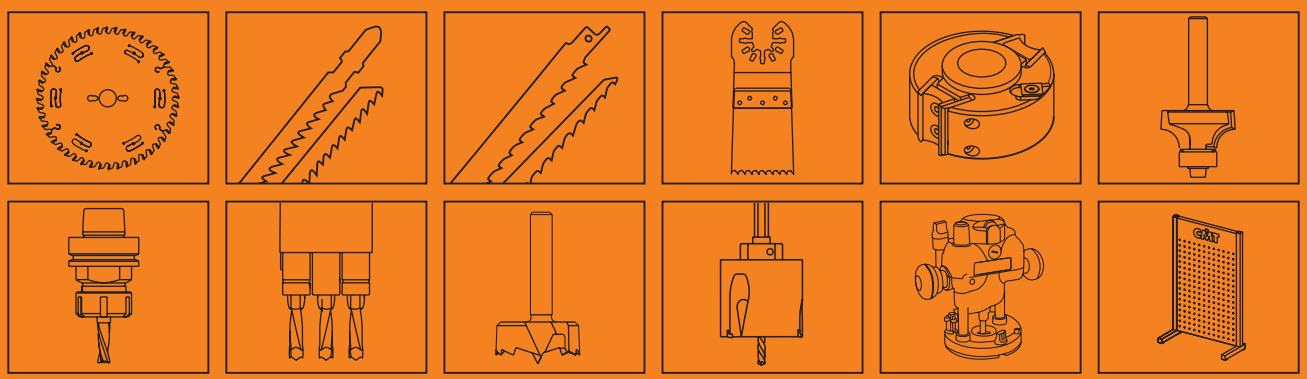
CMT ORANGE TOOLS®

THE WIDEST TOOLING RANGE



CATALOGUE ENGLISH EDITION 2020

Welcome to the 2020 catalogue

Dear Customer,

Thank you for your interest in CMT products.
Take a moment to browse our new catalogue and choose from an even wider range of innovative and state-of-the-art woodworking tools, from router bits, saw blades, jig and sabre saw blades, hole saws, and boring bits to oscillating tools, CNC cutters, cutter heads, chucks, power tools, and so much more!

A detailed list of spare parts on each product category is also provided to guide you through your purchase.

We continually strive to develop our technical know-how and make significant investments in research and development, but our greatest priority is customer care. A satisfied customer is worth more than any other achievement; therefore, each page of this catalogue contains CMT's highest commitment to the professional woodworker.

Should you not find a product that suits your needs, please let us know. Our highly skilled engineers and design technicians are always keen to assist you with your woodworking operations.

Thank you for your interest in CMT Orange Tools.

Your CMT Team

CMT ORANGE TOOLS®

OUR CHANNELS

www.cmtorangetools.com

www.youtube.com/user/cmtorangetools

www.facebook.com/cmt.italy

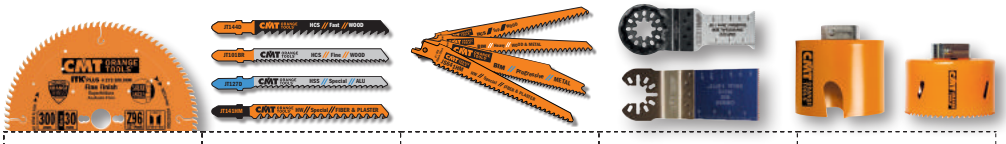
www.instagram.com/cmt_orangetools

Abbreviations

A = Cutting angle
α = Hook angle
ATB = Alternate top bevel grind
B = Bore diameter
β = Type of grind
COMBI3 = Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60
COMBI5 = Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120
COMBI7 = Pin-Hole 2/10/80 + 1/11/85 + 2/11/115 + 2/11/148 + 2/14/100 + 2/14/125 + 2/19/120
d = Small cutting diameter
D = Diameter
D_2 = Overall diameter
D_3 = For shank diameter
Ø = Diameter
FFT = Flat flat trapezoidal
FTG = Flat top grind
FWF = Flat with alternate chamfer
H = Cutting depth
HDF = Hollow ground teeth
I = Cutting length
I_1 = Short cutting length
K = Kerf thickness
L = Overall length
L_1 = Working length
LB = Adjusting length
LH = Left-hand rotation
MATB = Alternate top bevel with chamfer grind
MTCG = Triple chip grind (trapezoidal) with chamfer
mm = Millimeters
P = Plate thickness
PTFE = Non-stick industrial coating, black and orange
R, R_1 = Radius
RH = Right-hand rotation
RPM = Round per minute
S, S_1 = Shank diameter
T_1 = Thickness / Maximum joint thickness
TCG = Triple chip grind (trapezoidal)
TS = Tooth spacing
TPI = Teeth per inch
V = Spurs
W = Width
Z = Number of teeth
□ = On request
● = Solid tungsten carbide
= Dispatch Package Qty.

THE RIGHT TOOLS FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose the right tools for your application.



	SAW BLADES	JIG SAW BLADES	SABRE SAW BLADES	MULTI-CUTTERS	HOLE SAWS
WOOD					CARBIDE
WOOD & METAL		✓	✓	✓	
METAL					BI-METAL
ALUMINIUM					
MULTI-MATERIAL					
PLASTIC					
MASONRY					DIAMOND
SPECIAL					

CMT ORANGE TOOLS®

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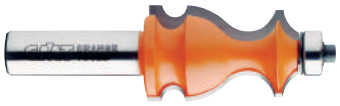

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SINCE 1962 - MADE IN ITALY THEN, STILL MADE IN ITALY TODAY

By now, the story has been told. After over 50 years of success and quality in manufacturing woodworking tools - orange woodworking tools, to be precise - word just sort of gets around. We have grown and we have changed, but one thing still remains the same: our commitment to making only the highest quality woodworking tools.

OUR BRANCHES

Pesaro, Italy

Greensboro, United States

Valencia, Spain

OUR TOOLS So, what does it take to make a CMT tool? Like all things of quality, it's not only what you do but how you do it. And anyone who works wood knows that you get out of a piece only what you put into it, and it is no different when manufacturing a tool. You choose your designs and materials carefully and you work using all of your skill and know-how. You'll be happy to know that's what we do at CMT too.

OUR TRADEMARK COLOR ORANGE

As the story goes, we began small. We also put orange color surface coating on our tools, then we put our tools on the market and soon our orange tools were all over the world. Now, any woodworker anywhere in the world can tell you that orange tools means CMT, and that CMT means quality. Here at CMT we know we produce quality. You should too. That's why we have trademarked the color orange on woodworking tools - it's your guarantee that you are getting a genuine high-quality CMT product.

DESIGN

Everything starts with a clear idea and having the potential to express it. We have both. At CMT, our technical department uses the best of both worlds - computer technology and hands-on experience - to engineer and design each tool so that it performs flawlessly each time you use it, and to guarantee that you'll be using it for a long, long time.

MATERIALS

Turning a design into a finished product means finding the right material that will do the job and that lives up to the specifications set out in the design - quality performance from the final product depends on it.
When it comes to selecting raw materials, we don't cut corners. At CMT, we know that high quality tools come only from high quality raw materials, so we use only solid bar stock steel and specially formulated micrograin carbide to manufacture our bits and blades.

MANUFACTURING

Like we said, it's not just what you do but how you do it. Over the years we have continuously invested in the latest technology in CNC machining equipment and innovative software to manufacture our tools.
The result is that now our entire manufacturing process, from turning and milling the steel shanks to brazing and sharpening the carbide cutting tips, is completely automated. And since a machine is only as intelligent at the person using it, everything is operated by specifically trained operators.

Loading the automated multi-axis CNC sharpening machines.

THE FINAL TOUCH

A tool simply wouldn't be a CMT tool if it didn't have the trademark orange color non-stick PTFE coating on it. This unique industrial-strength surface coating is designed to withstand the physical stresses the tool undergoes during use while protecting it from residue build-up and burning. And we really like the orange color too.

QUALITY CONTROL

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and the latest generation machining equipment to ensure that each bit has been manufactured with precision and accuracy and that it will give the long-lasting performance you expect from a CMT orange tool. Our tools are manufactured in compliance with European Standard EN 847 published and enforced by the CEN (European Committee for Standardisation).

WE RECYCLE

CMT filters and purifies its water using a reverse osmosis system located inside the plant. Also the oil used in grinding and machining our tools must be clean and absolutely free of contaminants. Clean oil, after enough use, gets dirty, so we filter and reprocess dirty oil on the premises.
This is our way of guaranteeing the quality of the oil we use, as well as contributing to help protect the environment.

LOGISTICS & SERVICES

CMT offers a wide product range with over 7000 different standard tools, but that still isn't enough to achieve 100% customer satisfaction. It's a top priority to process orders and ship the same day.
That's why CMT factories worldwide are equipped with 20+ automated vertical storage systems programmed to expedite and simplify order and delivery. The tools you need, in-stock and ready for prompt shipment within 24 hours.
What does this translate to for customers? Quick and efficient service exceeding customer satisfaction and branding our success.

Pesaro, Italy

Greensboro, United States

OUR CHANNELS

www.cmtorangetools.com

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www.instagram.com/cmt_orangetools

CMT
ORA
TOO

Saw Blades

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HOW WE PRODUCE OUR HIGH QUALITY BLADES

CMT stands for quality, which means we put quality into everything we do. It only makes sense. At CMT we figure that if our router bits are going to be top quality, high-performance and orange, then our saw blades should be too. And to do that, we simply follow the same guidelines for our blades that we do for our bits: we start with a solid design, use only the best materials and manufacture with skill and care. And of course, make sure they are trademark orange.

DESIGN

The simplicity of a circular saw blade design is in reality a complexity of technical considerations. Each blade has to make a certain type of cut, and this requires careful analysis of hook and grind angles, gullet designs, to location of sound dampening slots and the thickness of the blade - just to name a few. So in order for us to get the best design for our blades - and for you to get the best performance from them - we use the same method that we use to engineer our router bits: we combine the knowledgeable minds and experience of our technical department and the latest computer technology. The result is a superior blade that has some rather special "standard" features:

Anti-vibration Design. The anti-vibration cuts in the blade do exactly what their name implies: they are the anti in anti-vibration. This translates into less chattering during cutting and consequently it lengthens the life of the blade. Anti-vibration also means a flawless cut, so stabilizers and scoring blades are no longer necessary.

Expansion Slots. These little hook-shaped cuts in the blade help to reduce noise while regulating the expansion and contraction of the blade as it generates heat during cutting operations.

MATERIALS

When it comes down to it, saw blades are much like router bits - it's just two components: steel and carbide. So in selecting the raw materials, we are every bit as picky with our saw blades as we are with our router bits. Besides, why mess with a winning formula like superior steel and tungsten carbide?

Steel. It's the heart of the blade, so CMT uses only the finest steel available: super 42-44 Rockwell hardness steel.

Carbide. The cutting tips of every CMT blade are made from the best grades of micrograin carbide.

MANUFACTURING

CMT saw blades are machined on automated CNC machines, from start to finish. The advanced technology and precision of these machines ensures uniform quality on every blade while giving us the possibility to carry out more efficient quality controls.

Laser Cutting. The steel plate of the blade is laser cut, NEVER die cut, from superior strength steel. This way of cutting steel is not only extremely precise but it makes it possible to cut harder strengths of steel and does not stress the plate while cutting, so the resulting blade is flat and true and more resistant to warping.

Grinding & Tensioning. After it has been cut, the blade is polished and tensioned, the evidence of which can be seen in the superior finish and a tension ring that are visible on the blade. Then the central bore is ground to a smooth finish so that the blade will fit precisely on the saw arbor and will have perfect concentricity during rotation. The seats for the carbide teeth are also ground, making sure that the carbide tips fit perfectly, providing the right conditions for making a secure braze.

Silver-Copper-Silver Sandwich Brazing. Once again, experience has been a good teacher. Automated brazing with a special silver-copper-silver "sandwich" brazing compound yields excellent results and reduces the chances of failed welds. In addition, this combination of metals is critical during brazing because as the steel body and the carbide tipped teeth are heated and cooled, they expand and contract at different rates.

The copper layer acts as a buffer and keeps the carbide from cracking during cool down shrinkage.

When woodworking, the copper provides flexibility and resistance to impact which in turn protects the carbide tips and steel shoulders when cutting through harder substances or knots in the wood.

Specially Formulated Carbide Tips. What is true for router bit carbide tips is also true for the carbide tips on saw blades: what's good for one type of blade may not be good for another.

At CMT, we have studied carbide formulas and their impact on blade performance and have developed specially formulated carbide tips to match each blade's application. Larger blades require an extra-fine harder carbide that holds its edge and resharpens easily, while smaller blades need a special carbide that can withstand the occasional nail or imperfections that often occur in construction work.

For each blade and each use, there is carbide made especially for it.

Sharpening & Laser Marking. The final step is sharpening the micrograin carbide teeth. During the sharpening phase, each angle is ground to razor-sharp precision - down to the Milacron - on multi-axis CNC machines.

We also laser mark our blades so you have all the details about the blade type and its uses, right there on the blade.

Quality Control. We always manually check the quality of our blades at each step of the manufacturing process. However, now we also use a fully automatic measuring process that measures every dimension of the blades without actually coming into contact with it.

CMT's fully automatic measuring system.

Packaging & Instructions. CMT blades are packed and protected for shipping, display and storage in either a sturdy cardboard box or in a patented heavy duty HDPE plastic case that's as durable as our tools. Illustrated instructions for resharpening are included with your CMT blade so that you have all the details you need to keep the blade sharp, which will also help you extend the life of the blade.

CMT ORANGE TOOLS. *Manufacturers of high quality woodworking tools since 1962, we are still proud to put "Made in Italy" on all our orange tools.*

BLADE RANGE	ORANGE CHROME®	INDUSTRIAL / XTREME	ITK PLUS®	CMT CONTRACTOR TOOLS®
PERFORMANCE	SUPERIOR ★★★★★	BEST ★★★★	BETTER ★★★	GOOD ★★
DESCRIPTION	Designed for professional woodworkers who require high precision and durability from their saw blades. Special chrome carbide reduces tooth abrasion, whereas the chrome plated body protects against rust, corrosion and guarantees long-lasting performance.	Designed for fine woodworkers, finish carpenters, construction and industrial users who run their blades all day long demanding ultimate precision and extended life, while conquering the most challenging applications.	Designed for the professional contractor and remodeler, CMT's ITK Plus® delivers a clean, fast, effortless cut through wood and wood composite material. The features of the ITK Plus® line offer great price-performance balance which means greater value.	Designed for the contractor and remodeler CMT's Contractor® thin-kerf blade line delivers solid performance at a very economical price. Ideal for any construction projects that require cutting wood and wood composite material.
USER	Professional Woodworker	Professional	Contractor & Remodeler	Contractor & Remodeler
USAGE	Run All Day	Run All Day	Daily Use	Daily Use
PRICE POINT	Premium	Premium	Mid	Value
MATERIALS	Wood, plywood, OSB, laminate, melamine, mouldings, MDF.	Wood, Wood with nails, Plywood, OSB, Laminate, Melamine, MDF, Non-Ferrous, Metals, Stainless Steel, Plastics, Fiberglass, Solid Surface.	Wood, Composite Decking, Plywood, OSB, Laminate, Melamine, MDF, Fibercement.	Wood, Composite Decking, Plywood, OSB, Laminate, Melamine, MDF.
STEEL PLATE	LASER-CUT PREMIUM QUALITY STEEL PLATE Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.	LASER-CUT PREMIUM QUALITY STEEL PLATE Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.	HEAVY-DUTY LASER-CUT PLATE Made of a thin & strong plate, laser cut from the finest steel which is then hardened to 44 HRC ensuring longer life and precision cutting.	HEAVY-DUTY STAMPED DIE CUT PLATE Made of a thin & strong plate cut from the finest steel which is then hardened to 44 HRC ensuring longer life and precision cutting.
CARBIDE TEETH	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE Cutting teeth are made from a specially formulated chromium micrograin carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE Special formulated chromium micrograin carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.	INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE The new process SinterHIP (high temperature 1025°C and high pressure 105 bar) creates a porosity-free and Hi-Density carbide which provides a longer cutting life than traditional carbide.	LONG LASTING CONSTRUCTION GRADE CARBIDE A specially formulated construction grade carbide which promises longer cutting life and greater resistance to impact.
KERF	THICK	FULL KERF	THIN-KERF	THIN-KERF
BRAZING	TRI-METAL BRAZING The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand severe impact caused by cutting harder wood and composite material.	TRI-METAL BRAZING The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand severe impact caused by cutting harder wood and composite material.	SILVER BRAZING The silver brazing process lets the teeth withstand the standard impact caused by cutting soft wood and composite material.	SILVER BRAZING The silver brazing process lets the teeth withstand the standard impact caused by cutting soft wood and composite material.
COATING	CHROME® COATING Blade plate is covered with a chrome layer to protect your tool against corrosion and rust, guaranteeing longer tool life.	HARD LACQUER Protects against corrosion and rust.	NON-STICK ORANGE SHIELD COATING® Keeps the blade running cool, reduces pitch build up and protects against corrosion. Ideal for all types of wood including wet lumber.	HARD LACQUER Protects against corrosion and rust.
EXPANSION SLOTS	LASER-CUT HEAT EXPANSION SLOTS Engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	LASER-CUT HEAT EXPANSION SLOTS Are engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	LASER-CUT HEAT EXPANSION SLOTS Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.	HEAT EXPANSION SLOTS Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.
SOUND DAMPENING CHANNELS	LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING MATERIAL Slots are filled with polyurethane to reduce vibrations and noise (10% less than standard saw blades), improving cut quality and blade life.	LASER-CUT SOUND-DAMPENING CHANNELS Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.	LASER-CUT SOUND-DAMPENING CHANNELS Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.	×
TENSIONING RINGS	TENSIONING RING A visible tensioning ring on the blade body provides stability during cut and perfect concentricity during rotation.	TENSIONING RING A visible tensioning ring on the blade body provides stability during cut and perfect concentricity during rotation.	×	×
SHARPENING	PRECISION MIRROR FINISH SHARPENING Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angle, guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm Rmax in edge roughness.	PRECISION MIRROR FINISH SHARPENING Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angle, guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm Rmax in edge roughness.	SHEAR ANGLE SHARPENING The shear angle grind on the front face of the teeth allows for smoother cutting, while reducing the required cutting force thereby improving cutting speed and setting a new standard for performance.	STANDARD SHARPENING Each tooth is sharpened and carefully inspected to guarantee cleaner cuts and longer life.

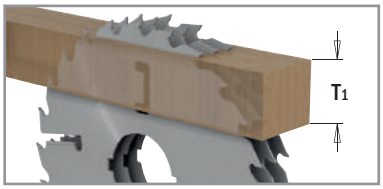
Multi-Rip Saw Blades with Rakers *Industrial Line*

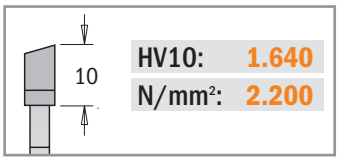
279

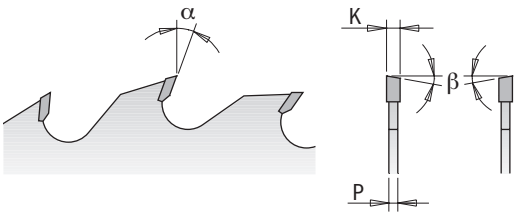
Application: for rip cutting where the rakers prevent contact between the steel plate body and the material in use.

Machines: multi-rip machines with one or two shafts.

Material: (wet or dry) soft and hardwood.







D mm	B mm	Key Way	Pin Hole	Z	K mm	P mm	T1 mm	α	β		ORDER NO.
250	30		COMBI3	20+4	3,2	2,2	65	18°	10° ATB	1	**279.020.10M**
250	70	21 x 5		20+4	3,2	2,2	65	18°	10° ATB	1	**279.020.10V**
250	80	13 x 5		20+4	3,2	2,2	65	18°	10° ATB	1	**279.020.10W**
300	30		COMBI3	24+4	3,2	2,2	80	18°	10° ATB	1	**279.024.12M**
300	60	21 x 5		24+4	3,2	2,2	80	18°	10° ATB	1	**279.024.12U**
300	70	21 x 5		24+4	3,2	2,2	80	18°	10° ATB	1	**279.024.12V**
300	80	13 x 5		24+4	3,2	2,2	80	18°	10° ATB	1	**279.024.12W**
350	30		COMBI3	28+4	3,5	2,5	105	18°	10° ATB	1	**279.028.14M**
350	60	21 x 5		28+4	3,5	2,5	105	18°	10° ATB	1	**279.028.14U**
350	70	21 x 5		28+4	3,5	2,5	105	18°	10° ATB	1	**279.028.14V**
350	80	14 x 5		28+4	3,5	2,5	105	18°	10° ATB	1	**279.028.14W**
400	30		COMBI3	28+6	4,0	2,8	120	18°	10° ATB	1	**279.028.16M**
400	70	21 x 5		28+6	4,0	2,8	120	18°	10° ATB	1	**279.028.16V**

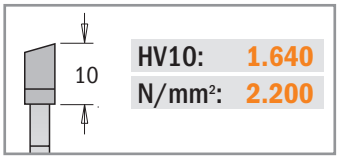
Multi-Rip Anti-Kickback Saw Blades *Industrial Line*

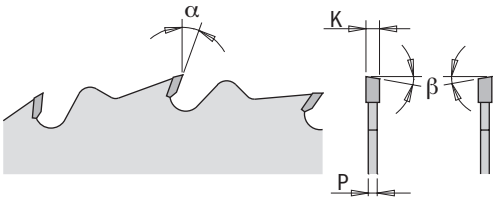
278

Application: for rip cutting where the steel body plate prevents vibration during the cutting operation.

Machines: multi-rip machines with one or two shafts.

Material: dry, soft and hardwood.



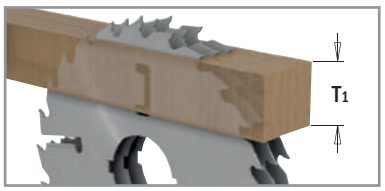


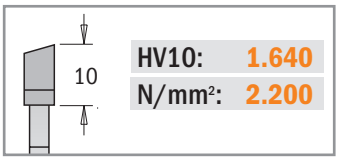
D mm	B mm	Key Way	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
300	30		COMBI3	28	3,2	2,2	18°	10° ATB	1	**278.028.12M**
300	70	21 x 5		28	3,2	2,2	18°	10° ATB	1	**278.028.12V**
350	30		COMBI3	36	3,5	2,5	18°	10° ATB	1	**278.036.14M**
350	70	21 x 5		36	3,5	2,5	18°	10° ATB	1	**278.036.14V**

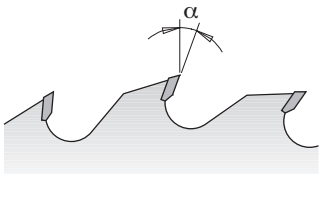
Thin-Kerf Multi-Rip Saw Blades with Rakers *Industrial Line*

280

Application: for rip cuts where the thin-kerf reduces material wastes.
Machines: multi-rip machines with one or two shafts.
Material: wet or dry hardwood.





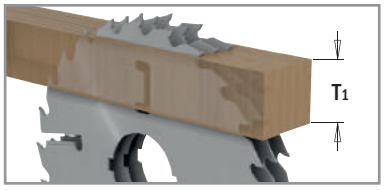


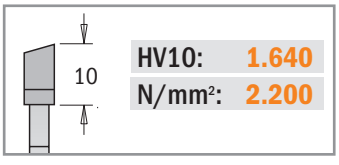
D mm	B mm	Key Way	Z	K mm	P mm	T1 mm	α	β		ORDER NO.
180	40		21+3	2,5	1,8	30	18°	FLAT	1	**280.021.07S**
200	40		21+3	2,5	1,8	35	18°	FLAT	1	**280.021.08S**
250	70	21 x 5	20+4	2,7	1,8	50	18°	10° ATB	1	**280.020.10V**
250	80	13 x 5	20+4	2,7	1,8	50	18°	10° ATB	1	**280.020.10W**
300	70	21 x 5	24+4	2,7	1,8	60	18°	10° ATB	1	**280.024.12V**
300	80	13 x 5	24+4	2,7	1,8	60	18°	10° ATB	1	**280.024.12W**

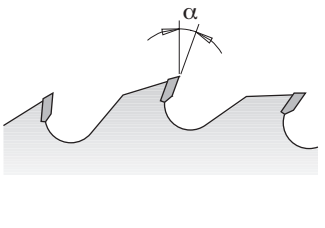
Thick-Kerf Multi-Rip Saw Blades with Rakers *Industrial Line*

277

Application: for rip cuts. Mounted on the sides of gang rip saws, these act as shoulder saw blades and ensure stability, reducing vibration under extreme work load.
Machines: multi-rip machines with one or two shafts.
Material: thick wet or dry hardwood.







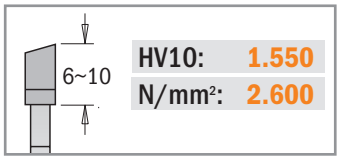
D mm	B mm	Key Way	Pin Hole	Z	K mm	P mm	T1 mm	α	β		ORDER NO.
300	30		COMBI3	24+4	4,0	2,8	80	18°	10° ATB	1	**277.024.12M**
300	70	21 x 5		24+4	4,0	2,8	80	18°	10° ATB	1	**277.024.12V**
300	80	13 x 5		24+4	4,0	2,8	80	18°	10° ATB	1	**277.024.12W**
350	30		COMBI3	24+6	4,2	2,8	105	18°	10° ATB	1	**277.024.14M**
350	70	21 x 5		24+6	4,2	2,8	105	18°	10° ATB	1	**277.024.14V**

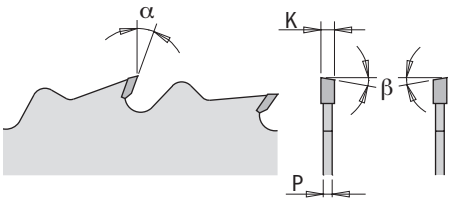
286

Application: for rip and crosscuts especially designed for building contractors.

Machines: table saws and portable machines.

Material: soft and hardwood, panels with nails, metal clips and pieces of concrete.





D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	16	2,8	1,8	15°	5° ATB	1	**286.016.10M**
300	30	COMBI3	20	2,8	1,8	15°	5° ATB	1	**286.020.12M**
300*	30	COMBI3	48	3,2	2,2	15°	10° ATB	1	**286.048.12M**
315	30	COMBI3	24	3,2	2,2	15°	5° ATB	1	**286.024.13M**
350	30	COMBI3	24	3,2	2,2	15°	5° ATB	1	**286.024.14M**
400	30	COMBI3	28	3,2	2,2	15°	5° ATB	1	**286.028.16M**
450	30	2/10/60	32	3,8	2,8	15°	5° ATB	1	**286.032.18M**
500	30	2/10/60	36	3,8	2,8	15°	5° ATB	1	**286.036.20M**
550	30	2/10/60	40	4,2	3,2	15°	5° ATB	1	**286.040.22M**
600	30	2/10/60	40	4,2	3,2	15°	5° ATB	1	**286.040.24M**
700	30	2/10/60	46	4,4	3,2	15°	5° ATB	1	**286.046.28M**

*without limiter

Shop Tips: Use our reduction ring from 30 to 25mm order n. 299.225.00 (for rip saw blades Ø250-300-315)
Use our reduction ring from 30 to 25mm order n. 299.228.00 (for rip saw blades Ø350 and larger)

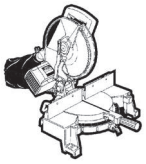
Rip Saw Blades *Industrial Line*

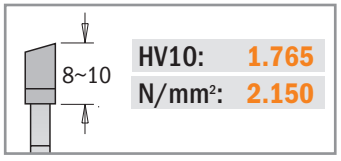
285-290-293

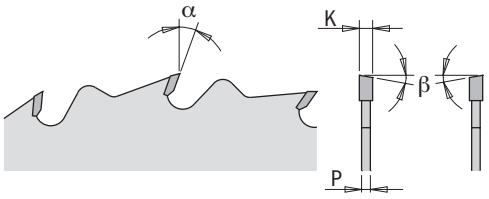
Application: for rip and glue line rip cuts.

Machines: table and special saws, portable and ripping machines for automatic or manual feeding.

Material: soft and hardwood.



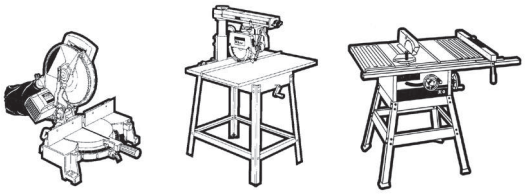


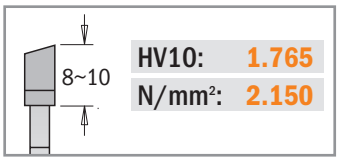


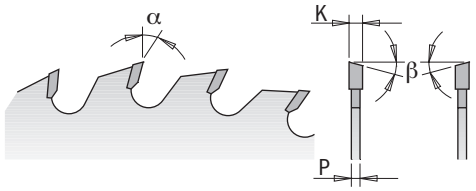
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	24	2,8	1,8	20°	10° ATB	1	**290.250.24M**
260	30	COMBI3	28	2,8	1,8	20°	10° ATB	1	**290.260.28M**
270	30	2/7/42	28	2,8	1,8	20°	10° ATB	1	**290.270.28M**
300	30	COMBI3	24	3,2	2,2	20°	10° ATB	1	**293.024.12M**
300	35		24	3,2	2,2	20°	10° ATB	1	**293.024.12R**
305	30	2/10/60	28	2,8	1,8	20°	10° ATB	1	**293.028.22M**
315	30	COMBI3	28	3,2	2,2	20°	10° ATB	1	**293.028.12M**
315	30	COMBI3	36	3,2	2,2	15°	5° ATB	1	**285.036.13M**
350	30	COMBI3	28	3,5	2,5	20°	10° ATB	1	**293.028.14M**
350	35		28	3,5	2,5	20°	10° ATB	1	**293.028.14R**
400	30	COMBI3	36	3,5	2,5	20°	10° ATB	1	**285.036.16M**
450	30	2/10/60	36	3,8	2,8	20°	10° ATB	1	**285.036.18M**
500	30	COMBI3	44	4,0	2,8	20°	10° ATB	1	**285.044.20M**

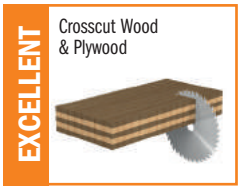
285-291-294-295

Application: for optimal quality rip and crosscuts.
Machines: table and special saws, portable machines.
Material: soft and hardwood, wood-based panels.







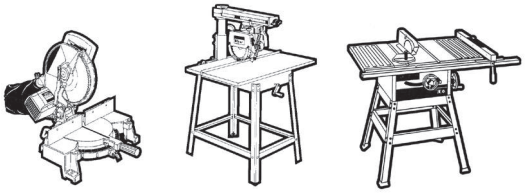


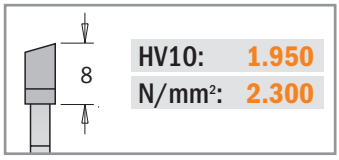
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
new 160	20	2/6/32	28	2,2	1,6	15°	10° ATB	1	**285.160.28H**
200	30	2/10/60 + 2/7/42	36	3,2	2,2	15°	10° ATB	1	**285.036.08M**
200	30	2/10/60 + 2/7/42	48	3,2	2,2	15°	15° ATB	1	**285.048.08M**
250*	20	COMBI3	40	3,2	2,2	15°	10° ATB	1	**285.040.10H**
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	1	**285.040.10M**
250	30	COMBI3	48	3,2	2,2	15°	10° ATB	1	**285.048.10M**
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	1	**285.060.10M**
250	35		40	3,2	2,2	15°	10° ATB	1	**285.040.10R**
250	35		60	3,2	2,2	10°	15° ATB	1	**285.060.10R**
254	30	COMBI3	48	2,4	1,8	- 5° Neg.	15° ATB	1	**294.048.10M**
254	30	COMBI3	60	2,4	1,8	- 5° Neg.	15° ATB	1	**294.060.10M**
260	30	2/10/60 + 2/7/42	48	2,8	1,8	15°	10° ATB	1	**285.048.11M**
260	30	2/10/60 + 2/7/42	60	2,8	1,8	10°	15° ATB	5	**285.060.11M**
260	30	COMBI3	60	2,5	1,8	- 5° Neg.	15° ATB	1	**294.060.11M**
270*	30	2/7/42	42	2,8	1,8	15°	15° ATB	1	**291.270.42M**
275	20		42	3,2	2,2	15°	10° ATB	1	**285.042.11H**
280*	30	2/10/60 + 2/7/42	64	2,8	1,8	10°	15° ATB	1	**295.064.11M**
300*	20	COMBI3	48	3,2	2,2	15°	10° ATB	1	**285.048.12H**
300	30	COMBI3	36	3,2	2,2	15°	10° ATB	1	**285.036.12M**
300	30	COMBI3	48	3,2	2,2	15°	10° ATB	1	**285.048.12M**
300	30	COMBI3	60	3,2	2,2	15°	10° ATB	1	**285.060.12M**
300	30	COMBI3	72	3,2	2,2	10°	15° ATB	1	**285.072.12M**
300	35		48	3,2	2,2	15°	10° ATB	1	**285.048.12R**
300	35		72	3,2	2,2	10°	15° ATB	1	**285.072.12R**
305*	30	2/10/60 + 2/7/42	54	2,8	1,8	-5° Neg.	15° ATB	1	**294.054.22M**
315*	30	COMBI3	54	3,2	2,2	15°	10° ATB	1	**294.054.12M**
350	30	COMBI3	54	3,5	2,5	15°	10° ATB	1	**285.054.14M**
350	30	COMBI3	72	3,5	2,5	15°	10° ATB	1	**285.072.14M**
350	30	COMBI3	84	3,5	2,5	10°	15° ATB	1	**285.084.14M**
350	35		54	3,5	2,5	15°	10° ATB	1	**285.054.14R**
350	35		84	3,5	2,5	10°	15° ATB	1	**285.084.14R**
400	30	COMBI3	48	3,5	2,5	20°	10° ATB	1	**285.048.16M**
400	30	COMBI3	60	3,5	2,5	10°	15° ATB	1	**285.060.16M**
450	30	2/10/60	54	3,8	2,8	15°	15° ATB	1	**285.054.18M**
450	30	2/10/60	66	3,8	2,8	10°	15° ATB	1	**285.066.18M**
500	30	2/10/60	60	3,8	2,8	15°	15° ATB	1	**285.060.20M**
500	30	2/10/60	72	3,8	2,8	10°	15° ATB	1	**285.072.20M**
550	30	2/10/60	60	4,2	3,2	10°	15° ATB	1	**285.060.22M**
550	30	2/10/60	96	4,2	3,2	10°	15° ATB	1	**285.096.22M**
600	30	2/10/60	66	4,2	3,2	10°	15° ATB	1	**285.066.24M**
700	30	2/10/60	72	4,4	3,2	10°	15° ATB	1	**285.072.28M**

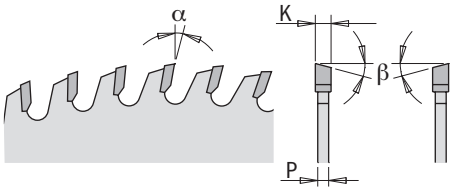
*Non-low noise

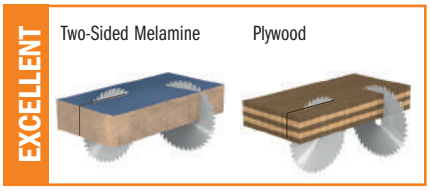
285-294

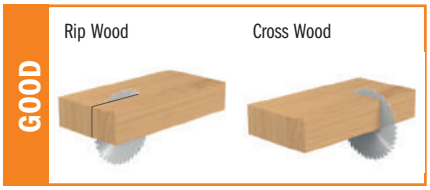
Application: for optimal quality crosscuts.
Machines: table and sizing saws, portable machines.
Material: soft, hard and exotic wood, wood-based panels.









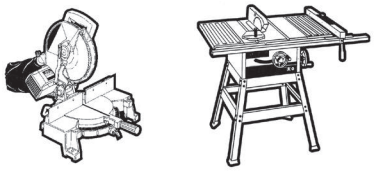


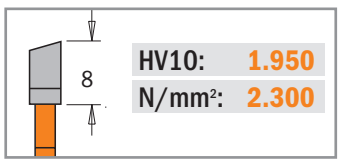
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
150	30	2/7/42	48	3,2	2,2	5°	15° ATB	5	**285.048.06M**
160	20	2/6/32	48	2,2	1,6	5°	15° ATB	5	**285.160.48H**
180	30	2/7/42	56	3,2	2,2	5°	15° ATB	5	**285.056.07M**
200	30	2/10/60 + 2/7/42	64	3,2	2,2	5°	15° ATB	1	**285.064.08M**
250	30	COMBI3	80	3,2	2,2	5°	15° ATB	1	**285.080.10M**
250	35		80	3,2	2,2	5°	15° ATB	1	**285.080.10R**
260	30	COMBI3	80	2,5	1,8	-5° Neg.	15° ATB	1	**294.080.11M**
300	30	COMBI3	96	3,2	2,2	5°	15° ATB	1	**285.096.12M**
300	35		96	3,2	2,2	5°	15° ATB	1	**285.096.12R**
305	30	COMBI3	72	3,2	2,2	10°	15° ATB	1	**285.072.22M**
305	30	COMBI3	72	3,2	2,2	-5° Neg.	15° ATB	1	**294.072.22M**
315	30	COMBI3	72	3,2	2,2	15°	10° ATB	1	**285.072.13M**
350	30	COMBI3	108	3,5	2,5	5°	15° ATB	1	**285.108.14M**
350	35		108	3,5	2,5	5°	15° ATB	1	**285.108.14R**
400	30	COMBI3	96	3,5	2,5	10°	15° ATB	1	**285.096.16M**
400	30	COMBI3	120	3,5	2,5	10°	15° ATB	1	**285.120.16M**

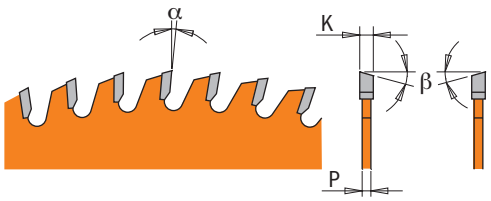
Super Finishing Saw Blades for Cutting Frames *XTreme Line*

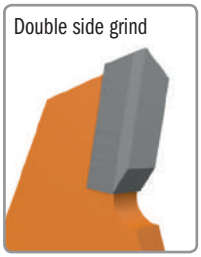
285.5 XTREME

Application: for optimal quality crosscuts on moulds and end trimming for perfect joints.
Machines: table and sizing saws, single or double mitre saws.
Material: soft and hardwood, MDF.





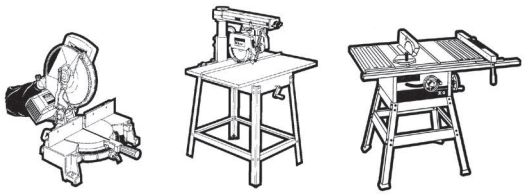


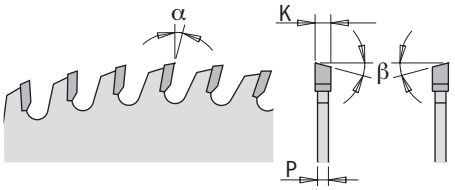


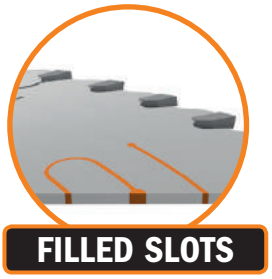
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3,0	2,5	10°	20° ATB	1	**285.580.10M**
300	30	COMBI3	96	3,0	2,5	10°	20° ATB	1	**285.596.12M**

■ Orange PTFE coated blades: a great choice for the shop that keeps its blades running all day, every day. With their heavy-gauge plate, these blades have the stamina for saws with lots of power.

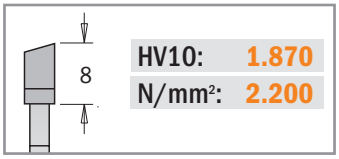
285 ORANGE CHROME®

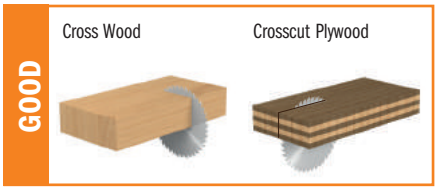






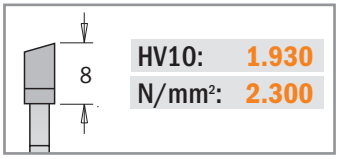
Application: for optimal quality rip and crosscuts.
Machines: table and special saws, portable machines.
Material: soft and hardwood, wood-based panels.

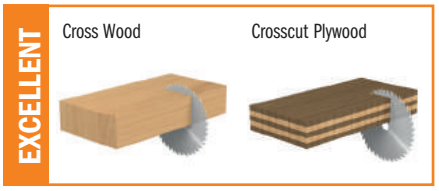




D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	5	**285.640.10M**
300	30	COMBI3	48	3,2	2,2	15°	10° ATB	5	**285.648.12M**
350	30	COMBI3	54	3,5	2,5	15°	10° ATB	5	**285.654.14M**
400	30	COMBI3	60	3,5	2,5	10°	15° ATB	1	**285.660.16M**

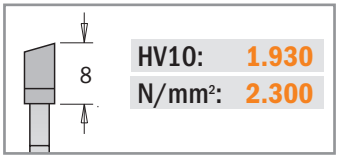
Application: for optimal quality crosscuts.
Machines: table and sizing saws, portable machines.
Material: soft, hard and exotic wood, wood-based panels.

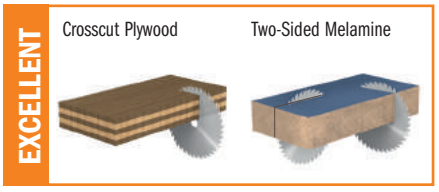




D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	5	**285.660.10M**
300	30	COMBI3	72	3,2	2,2	10°	15° ATB	5	**285.672.12M**
350	30	COMBI3	84	3,5	2,5	10°	15° ATB	5	**285.684.14M**
400	30	COMBI3	96	3,5	2,5	10°	15° ATB	5	**285.696.16M**

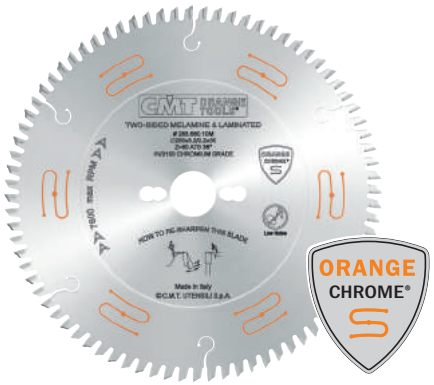
Application: for high-quality cross cutting.
Machines: table and sizing saws, portable machines.
Material: soft, hard and exotic wood, wood-based panels, one-sided veneer, paper-base laminates and thermoplastic material.





D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	80	3,2	2,2	5°	15° ATB	5	**285.680.10M**
300	30	COMBI3	96	3,2	2,2	5°	15° ATB	5	**285.696.12M**
350	30	COMBI3	108	3,5	2,5	5°	15° ATB	5	**285.708.14M**

Fine Cut-Off Saw Blades for Two-Sided Melamine *Industrial Line*

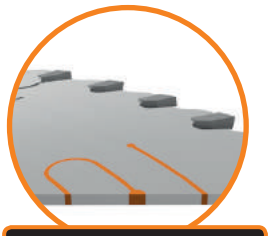


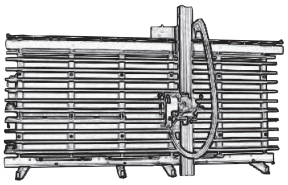
283 ORANGE CHROME®

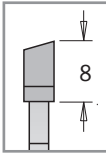
APPLICATION: for sizing cuts, perfect finishing on both sizes of double-sided panels without using scoring blades.

MACHINES: table and vertical saws, sizing and portable machines.

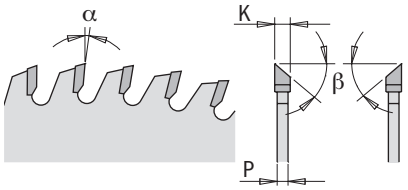
MATERIAL: single or double-sided laminated panels with coating and veneered panels.

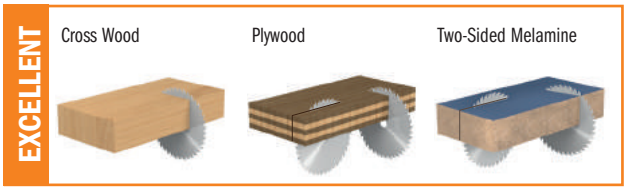






HV10: 2.150
N/mm²: 2.500





D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3,2	2,2	-2° Neg.	38° ATB	5	**283.680.10M**
300	30	COMBI3	96	3,2	2,2	2°	38° ATB	5	**283.696.12M**

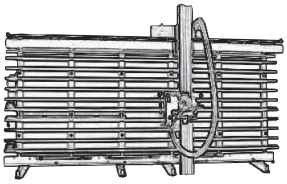
Fine Cut-Off Saw Blades for Two-Sided Melamine *Industrial Line*

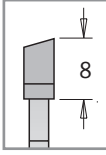
283

APPLICATION: for sizing cuts, perfect finishing on both sizes of double-sided panels without using scoring blades.

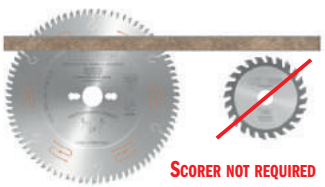
MACHINES: table and vertical saws, sizing and portable machines.

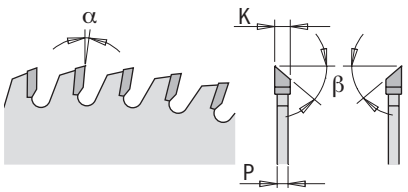
MATERIAL: single or double-sided laminated panels with coating and veneer.

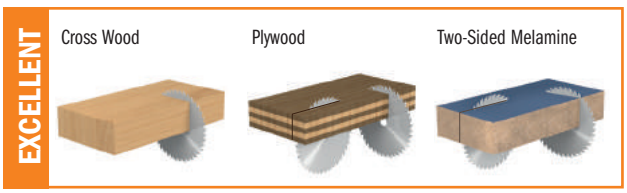




HV10: 1.950
N/mm²: 2.300





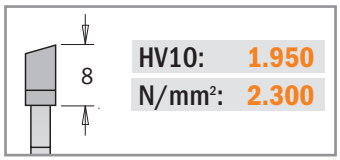


D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
220*	30	2/7/42	64	3,2	2,2	-5° Neg.	40° ATB	1	**283.064.09M**
250	30	COMBI3	80	3,2	2,2	-2° Neg.	40° ATB	1	**283.080.10M**
300	30	COMBI3	96	3,2	2,2	2°	40° ATB	1	**283.096.12M**
350	30	COMBI3	108	3,5	2,5	5°	40° ATB	1	**283.108.14M**

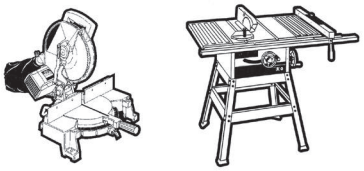
*Non-low noise

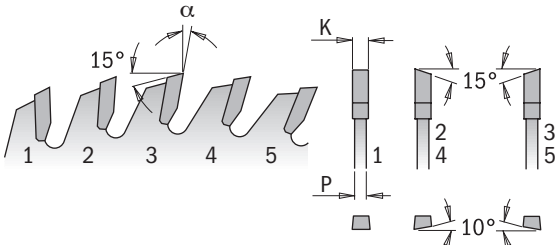
274 XTREME

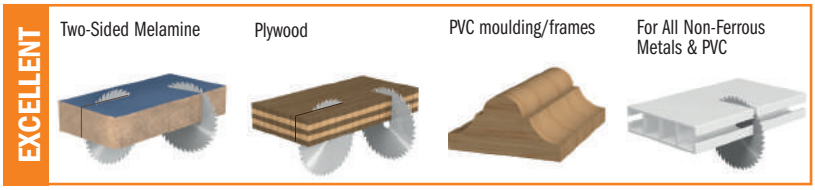
Application: for high-quality cross cutting.
Machines: table and sizing saws, portable machines.
Material: soft, hard and exotic wood, wood-based panels, one-sided veneered panels, paper-based laminate and thermoplastic material.



Max run out tolerance 0,05mm





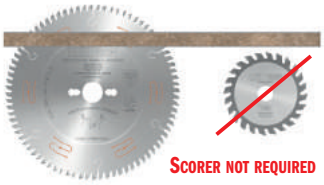


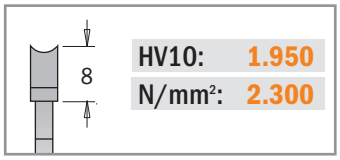
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	80	3,2	2,2	15°	1FTG+4ATB	1	**274.080.10M**
300	30	COMBI3	100	3,2	2,2	15°	1FTG+4ATB	1	**274.100.12M**

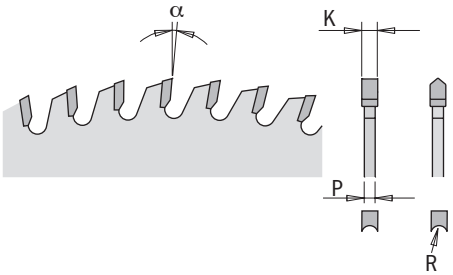
Fine Cut-Off Saw Blades for Two-Sided Melamine *Industrial Line*

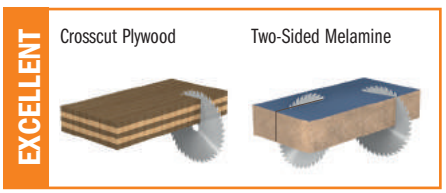
287

Application: for sizing cuts, perfect finishing with high feed rate and long tool life without using scoring blade.
Machines: table and vertical saws, sizing and portable machines.
Material: single or double-sided laminated panels with hard coating and veneered panels.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
Negative Hook Angle									
220	30	2/7/42	42	3,2	2,2	-6° Neg.	HDF	1	**287.043.09M**
250	30	COMBI3	48	3,2	2,2	-6° Neg.	HDF	1	**287.049.10M**
303	30	COMBI3	60	3,2	2,2	-6° Neg.	HDF	1	**287.061.12M**

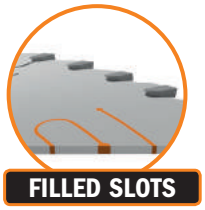
Fine Cut-Off Saw Blades for Two-Sided Melamine *Industrial Line*

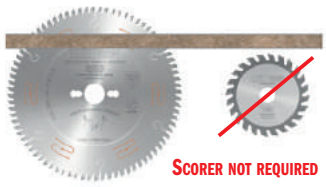
287 ORANGE CHROME®

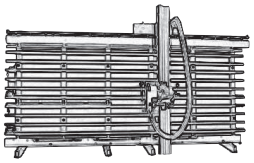
Application: for sizing cuts, perfect finishing with high feed rate and long tool life without using scoring blade.

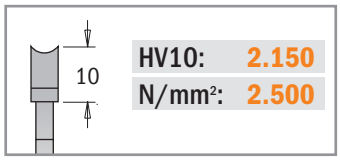
Machines: table and vertical saws, sizing and portable machines.

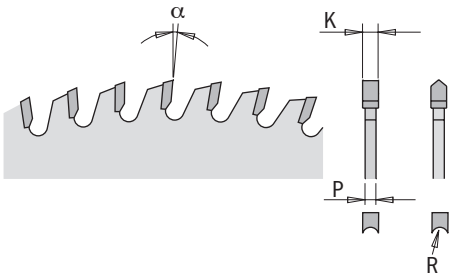
Material: single or double-sided laminated panels with hard coating and veneered panels.

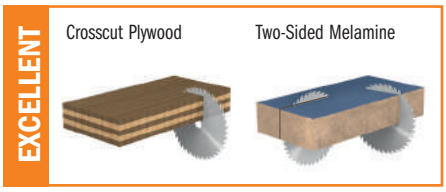












D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
Positive Hook Angle									
250	30	COMBI3	48	3,2	2,2	10°	HDF	5	**287.648.10M**
303	30	COMBI3	60	3,2	2,2	10°	HDF	5	**287.660.12M**

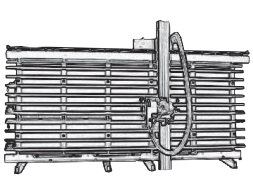
Fine Cut-Off Saw Blades for Two-Sided Melamine *Industrial Line*

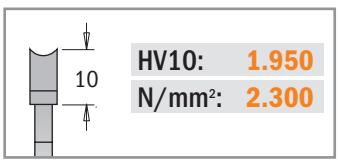
287

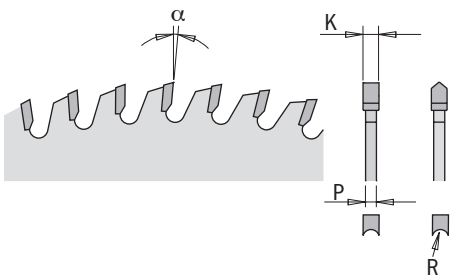
Application: for sizing cuts, perfect finishing with high feed rate and long tool life without using scoring blade.

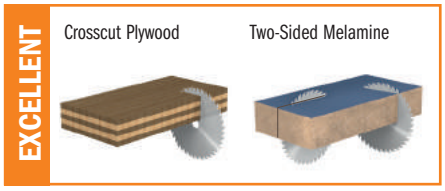
Machines: table and vertical saws, sizing and portable machines.

Material: single or double-sided laminated panels with hard coating and veneered panels.



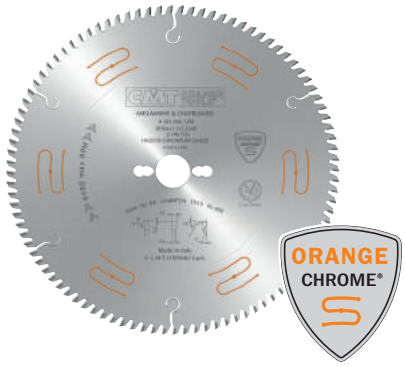






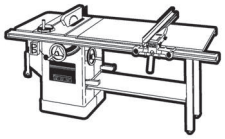
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
Positive Hook Angle									
160	20	2/6/32	34	2,6	1,8	10°	HDF	5	**287.034.06H**
220	30	2/7/42	42	3,2	2,2	10°	HDF	1	**287.042.09M**
250	30	COMBI3	48	3,2	2,2	10°	HDF	1	**287.048.10M**
303	30	COMBI3	60	3,2	2,2	10°	HDF	1	**287.060.12M**

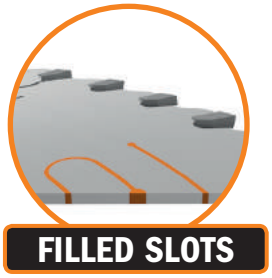
Low Noise & Chrome Coated Saw Blades with TCG Grind

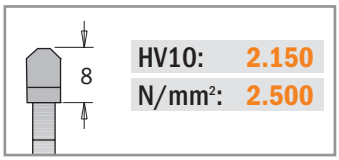


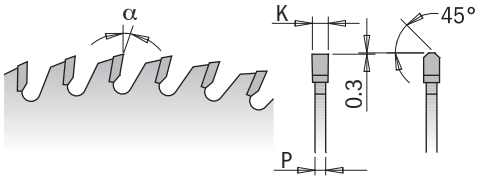
281 ORANGE CHROME®

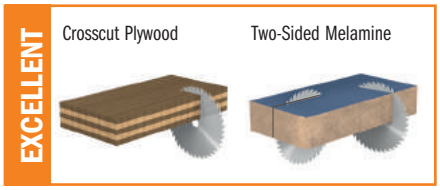
Application: for sizing cuts, perfect finishing with scoring blades.
Machines: table saws, horizontal and vertical sizing machines.
Material: single or double-sided plastic-laminated panels.









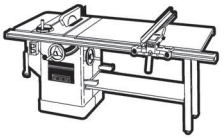


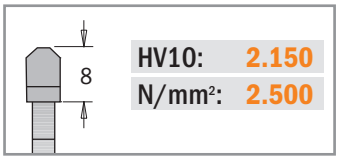
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	80	3,2	2,2	5°	TCG	5	**281.680.10M**
300	30	COMBI3	72	3,2	2,2	10°	TCG	5	**281.672.12M**
300	30	COMBI3	96	3,2	2,2	5°	TCG	5	**281.696.12M**
350	30	COMBI3	84	3,5	2,5	10°	TCG	5	**281.684.14M**
350	30	COMBI3	108	3,5	2,5	5°	TCG	5	**281.708.14M**

Melamine & Laminated Long-Lasting Saw Blades *XTreme Line*

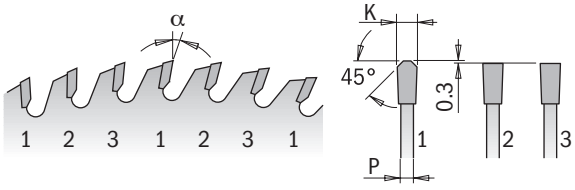
295 XTREME

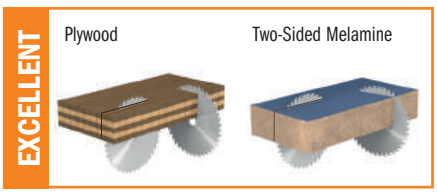
Application: for sizing cuts, perfect finishing without using scoring blade.
Machines: table saws, horizontal and vertical sizing machines.
Material: double-sided laminated panels.





Max run out tolerance 0,05mm



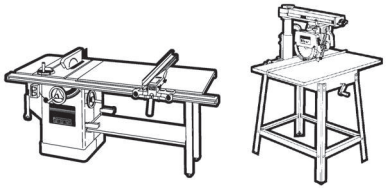


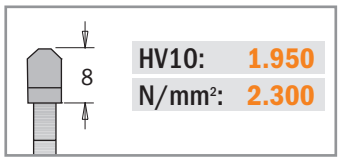
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	78	3,2	2,2	10°	FFT	1	**295.078.10M**
300	30	COMBI3	96	3,2	2,2	10°	FFT	1	**295.096.12M**
350	30	COMBI3	108	3,5	2,5	10°	FFT	1	**295.108.14M**

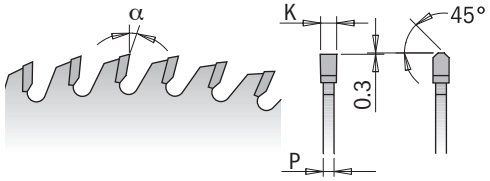
281

HW

Application: for sizing cuts, perfect finishing by using scoring blades.
Machines: table saws, horizontal and vertical sizing machines.
Material: single or double-sided plastic-laminated panels.







EXCELLENT

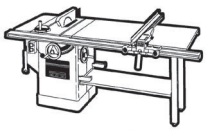
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
160	20 (Virutex)	4/7/32 45°	40	2,2	1,6	10°	TCG	5	**281.160.40H**
new 160*	20	2/6/32	48	2,2	1,6	10°	TCG	5	**281.160.48H**
new 190*	20 (Festool® FF)	5/7/2,5	54	2,6	1,8	4°	TCG	5	**281.190.54FF**
200*	30	2/7/42	64	3,2	2,2	10°	TCG	1	**281.064.08M**
220*	30	2/7/42	64	3,2	2,2	10°	TCG	1	**281.064.09M**
new 225*	30	2/7/42	64	2,6	1,8	4°	TCG	1	**281.225.64M**
250	30	COMBI3	60	3,2	2,2	10°	TCG	1	**281.060.10M**
250	30	COMBI3	80	3,2	2,2	10°	TCG	1	**281.080.10M**
300	30	COMBI3	72	3,2	2,2	10°	TCG	1	**281.072.12M**
300	30	COMBI3	96	3,2	2,2	10°	TCG	1	**281.096.12M**
350	30	COMBI3	84	3,5	2,5	10°	TCG	1	**281.084.14M**
350	30	COMBI3	108	3,5	2,5	10°	TCG	1	**281.108.14M**

*Non-low noise

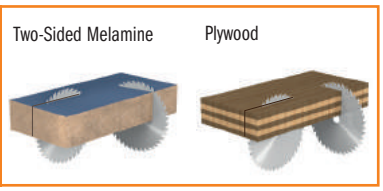
281 XTREME ORANGE CHROME®

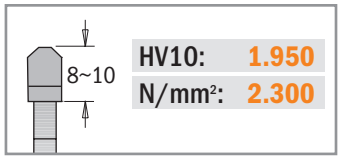
HW LONG LIFE

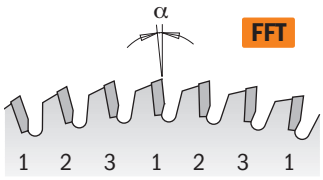
Application: for sizing cuts, perfect finishing without using scoring blade.
Machines: table saws, horizontal and vertical sizing machines.
Material: single or double-sided laminated panels.

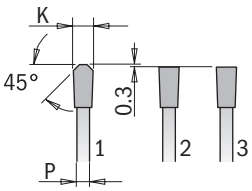


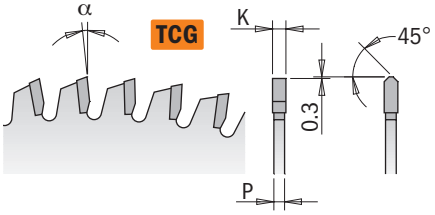
EXCELLENT











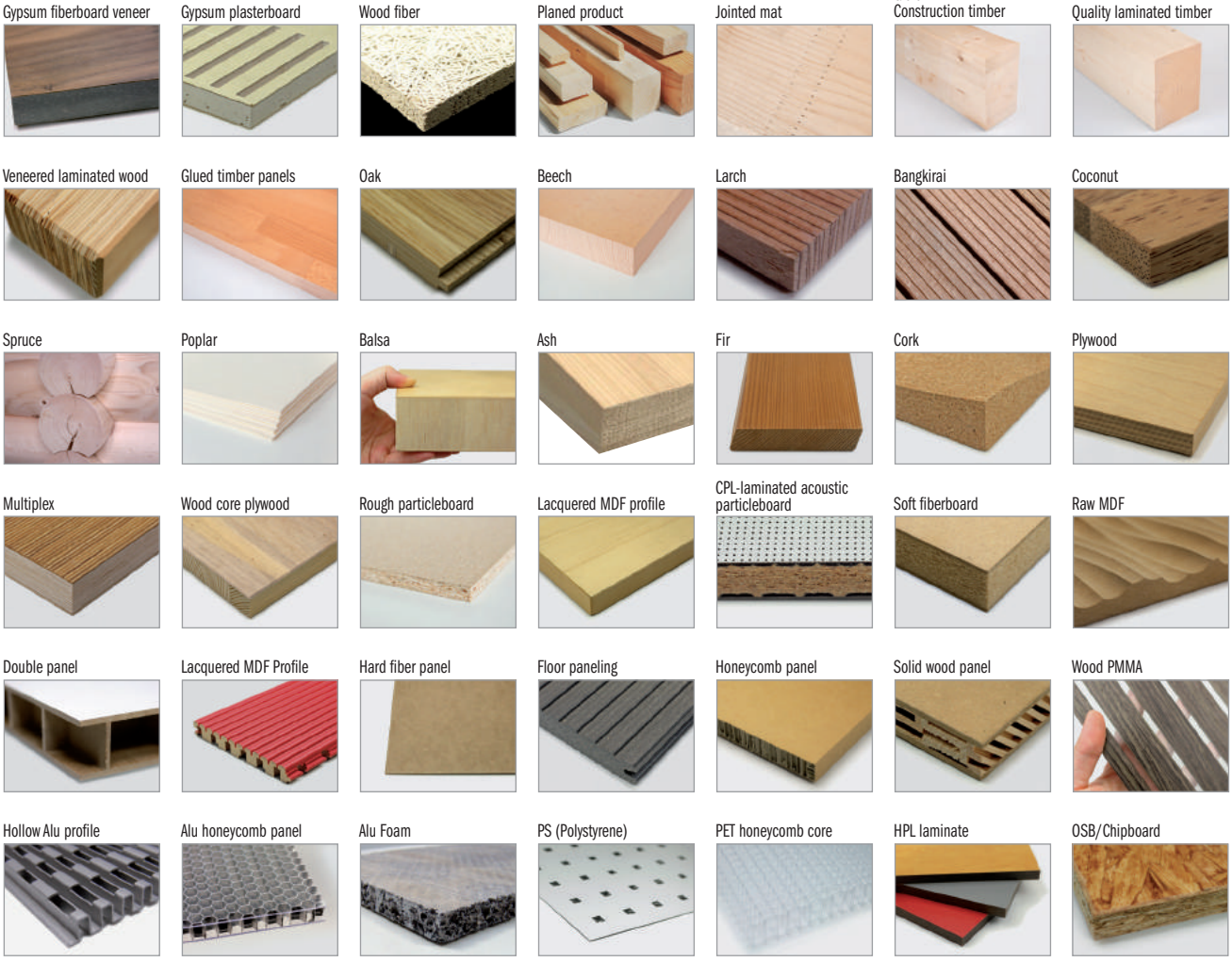
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
160	20	2/6/32	56	2,2	1,6	-3° Neg.	TCG	5	**281.161.56H**
165	20	2/6/32	56	2,2	1,6	-3° Neg.	TCG	5	**281.166.56H**
220	30	COMBI3	63	3,2	2,2	-3° Neg.	FFT	1	**281.063.09M**
250	30	COMBI3	60	3,2	2,2	-3° Neg.	FFT	1	**281.061.10M**
new 260	30	COMBI3	64	2,5	1,8	-3° Neg.	TCG	1	**281.065.11M**
300	30	COMBI3	72	3,2	2,2	-3° Neg.	FFT	1	**281.073.12M**
ORANGE CHROME®									
250	30	COMBI3	80	3,2	2,2	-3° Neg.	TCG	5	**281.681.10M**
300	30	COMBI3	96	3,2	2,2	-3° Neg.	TCG	5	**281.697.12M**

XTREME NOISELESS ALL-AROUND THE SAW BLADES REVOLUTION!

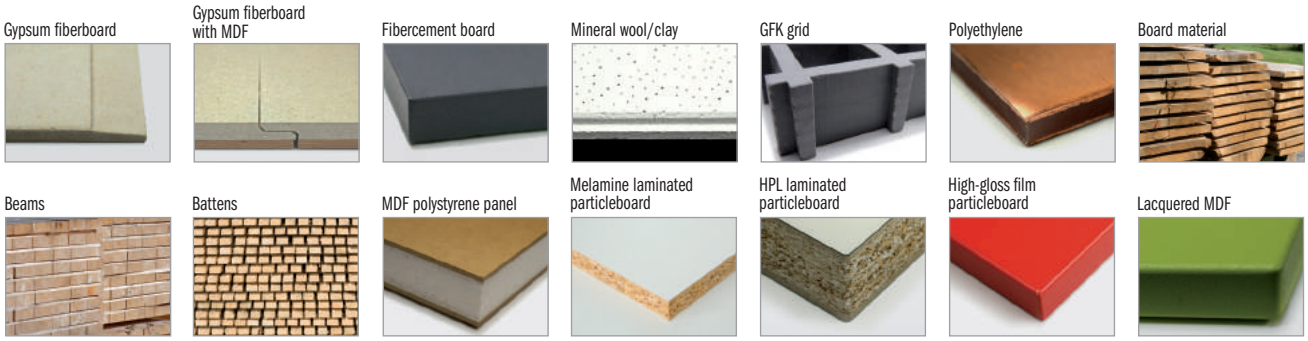
Leuco Patent Pending tooth geometry and tool body design guarantee an extensive array of applications when working with larger traditional solid woods and wood-based panels.
The “Xtreme All-Around” blade delivers excellent quality, ensures 20 times longer lifetime and boasts a 20% reduction in noise compared to conventional carbide saw blades.

NO LIMITS: CUT ALL THESE MATERIALS WITH ONE BLADE!

EXCELLENT



GOOD



- It is not recommended to use the saw blades for longitudinal cuts in soft wood and material thicknesses of more than 40mm.
- Do not cut materials with nails, stone and metal parts.
- Chip-free cuts can only be guaranteed in combination with a suitable scoring saw blade.

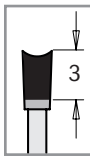
235 XTREME NOISELESS ALL-AROUND

DP LONG LIFE 20X LONGER LIFE THAN CARBIDE

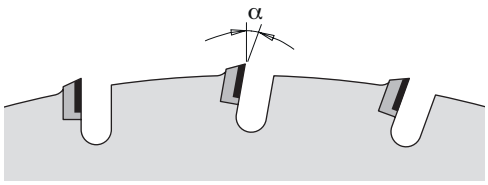
APPLICATION: for sizing cuts, perfect finishing with high feed rate and long tool life.

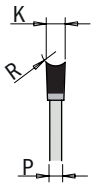
MACHINES: chop saws and portable machines, table and vertical panel sizing saws, CNCs and through-feed installations.

MATERIAL: look at the opposite page.



HV10: 10.000
Re-Sharpening: 2x

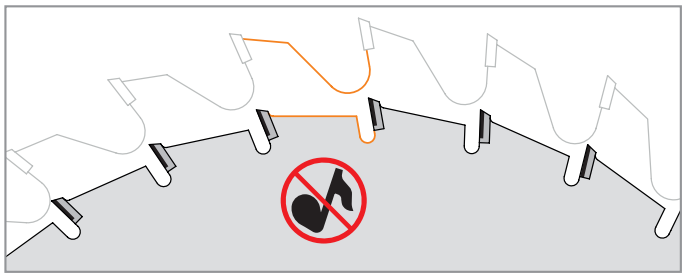




LEUCO
Patent Pending

XTREME NOISELESS

Thanks the new minimization of gullets design this blade succeeded in reducing the noise of idling by up to 15 dB(A) compared to conventional carbide saw blades. With a noise level of just around 70dB(A) when idling, the wearing of hearing protection is outdated.



XTREME ALL-AROUND

New industry standard with universal application in countless materials and suitable for all chop saws and portable machines, table and vertical panel sizing saws, CNCs and through-feed installations

XTREME QUALITY

The special hollow back tooth configuration (HR) guarantees an excellent cutting quality.

XTREME FAST

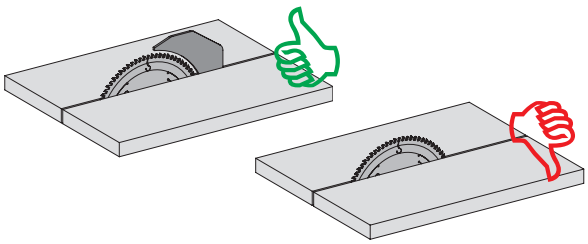
The teeth are surprisingly thin! The cutting width is a mere 2,5 mm and they generate noticeably lower cutting pressure and therefore also require less power during usage. Resharpenable max 2 times.

XTREME LIFETIME

The lifetime is 20X longer than carbide blades thanks to the diamond tips.

RECOMMENDED USE

We recommend the use of the splitting wedge with thickness between **2,0** and **2,4**mm.



LONGER LIFETIME THANKS TO DIAMOND TIPS

Clean your circolar saw blades on a regular basis. You will profit from a long-lasting and precise cutting quality and maximize the lifetime of your innovative saw blades many timer over.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	20	2,2	1,6	10°	HR	1	**235.160.20H**
190	30	2/7/42	24	2,5	2,0	10°	HR	1	**235.190.24M**
216	30	2/7/42	30	2,5	2,0	10°	HR	1	**235.216.30M**
250	30	COMBI3	36	2,5	2,0	10°	HR	1	**235.250.36M**
300	30	COMBI3	44	2,5	2,0	10°	HR	1	**235.300.44M**

DP Laminated & Chipboard Saw Blades *XTreme Line*

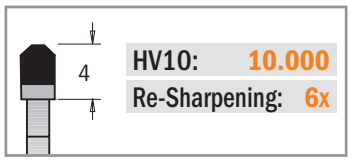
237 XTREME

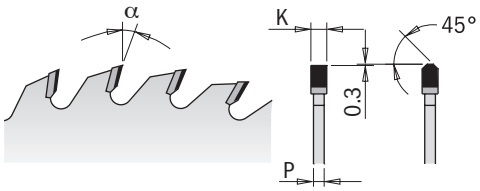
DP LONG LIFE 50X LONGER LIFE THAN CARBIDE

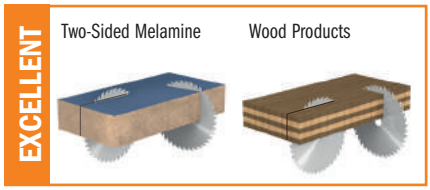
APPLICATION: for sizing cuts, perfect finishing (using scoring blade) and increased tool life up to 50 times longer than HW blades thanks to a special polycrystalline diamond formula. The best quality/price ratio!

MACHINES: table saws, horizontal and vertical sizing machines.

MATERIAL: single or double-sided plastic-laminated panels, MDF and HDF.







D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	48	3,2	2,2	10°	45° TCG	1	**237.048.10M**
300	30	COMBI3	60	3,2	2,2	10°	45° TCG	1	**237.060.12M**
300	30	COMBI3	96	3,2	2,2	15°	45° TCG	1	**237.096.12M**
350	30	COMBI3	72	3,5	2,4	15°	45° TCG	1	**237.072.14M**

High-quality nickel-plated saw blades with anti-friction and anti-corrosion properties.

DP Conical Scoring Blades *XTreme Line*

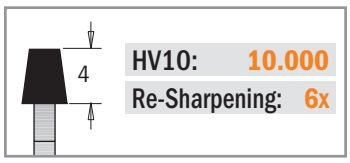
238 XTREME

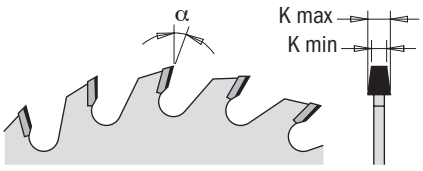
DP LONG LIFE 50X LONGER LIFE THAN CARBIDE

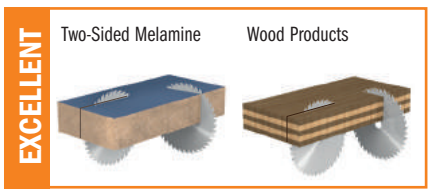
APPLICATION: for chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades thanks to a special polycrystalline diamond formula. The best quality/price ratio!

MACHINES: horizontal and vertical sizing machines equipped with scoring device.

MATERIAL: single or double-sided plastic-laminated panels, MDF and HDF.







D mm	B mm		Z	K mm		α	β		ORDER NO.
120	20		20	3,1-3,7		5°	CONICAL	1	**238.120.20H**
125	20		20	3,1-3,7		5°	CONICAL	1	**238.125.20H**

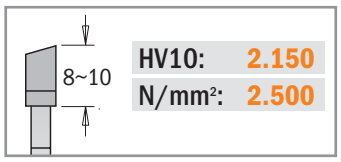
High-quality nickel-plated saw blades with anti-friction and anti-corrosion properties.

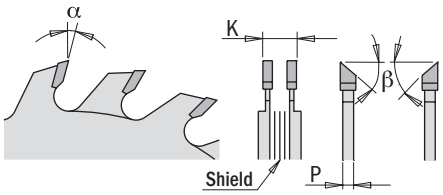
Industrial Chrome-Coated Adjustable Scoring Blades

289 ORANGE CHROME®

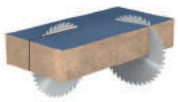
HW LONG LIFE

APPLICATION: for chip-free scoring on plastic-laminated panels.
MACHINES: horizontal and vertical sizing machines equipped with scoring device.
MATERIAL: single or double-sided plastic-laminated panels, MDF.





EXCELLENT — Two-Sided Melamine



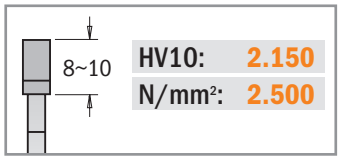
D mm	B mm	PIN HOLE	Z	K mm		α	β		ORDER NO.
new 100	20	2/4,2/42	10+10	2,8-3,6		11°	5° ATB	5	**289.700.20H**
120	20	2/4,2/42	12+12	2,8-3,6		11°	5° ATB	5	**289.720.24H**
120	22	2/4,2/42	12+12	2,8-3,6		11°	5° ATB	5	**289.720.24K**
125	20	2/4,2/42	12+12	2,8-3,6		11°	5° ATB	5	**289.725.24H**

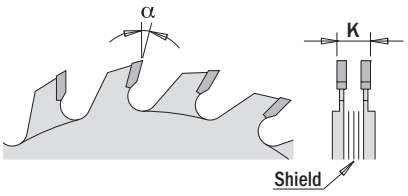
Adjustable Scoring Blades *Industrial Line*

289

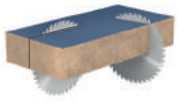
HW LONG LIFE

APPLICATION: for chip-free scoring on plastic-laminated panels.
MACHINES: horizontal and vertical sizing machines equipped with scoring device not allowing for cutting depth adjustment.
MATERIAL: single or double-sided plastic-laminated panels, MDF.





EXCELLENT — Two-Sided Melamine



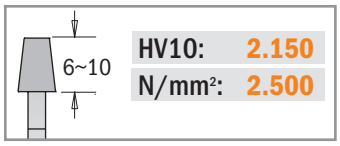
D mm	B mm	PIN HOLE	Z	K mm	α	β		ORDER NO.	Spare parts PVC SHIMS
70	20	2/3,1 - 3,8/32	8+8	2,8-3,6	12°	FLAT	1	**289.070.16H**	299.000.05H
80	20	2/3,1 - 3,8/32	10+10	2,8-3,6	12°	FLAT	1	**289.080.20H**	299.000.05H
100	20	2/3,1 - 3,8/42	10+10	2,8-3,6	12°	FLAT	1	**289.100.20H**	299.000.02K
100	22	2/3,1 - 3,8/42	10+10	2,8-3,6	12°	FLAT	1	**289.100.20K**	299.000.02K
120	20	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	**289.120.24H**	299.000.02K
120	22	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	**289.120.24K**	299.000.02K
120	50	4/6,2 - 10/62	12+12	2,8-3,6	12°	FLAT	1	**289.120.24T***	
125	20	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	**289.125.24H**	299.000.02K
125	22	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	**289.125.24K**	299.000.02K

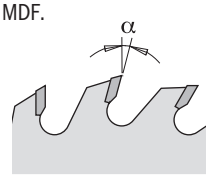
*** Suitable for Altendorf Rapido System**

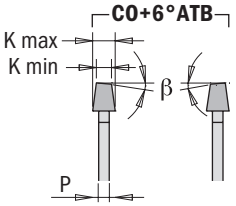
Industrial Chrome-Coated Scoring Blades

288 ORANGE CHROME®

Application: for chip-free scoring on plastic-laminated panels.
Machines: horizontal and vertical sizing machines equipped with scoring device.
Material: single or double-sided plastic-laminated panels, MDF.







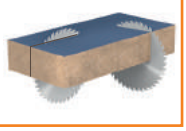
D mm	B mm		Z	K mm	P mm	α	β		ORDER NO.
120	20		24	3,1-4,3	2,2	0°	CO+6° ATB	5	288.720.24H
120	22		24	3,1-4,3	2,2	0°	CO+6° ATB	5	288.720.24K
125	20		24	3,1-4,3	2,2	0°	CO+6° ATB	5	288.725.24H

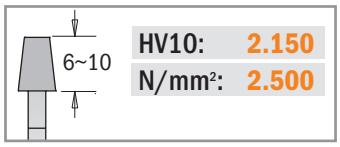
Conical Scoring Blades *Industrial Line*

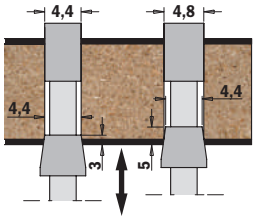
288

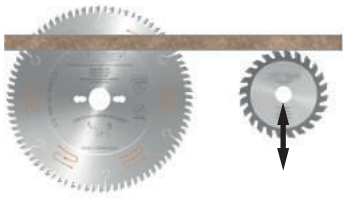
Application: for chip-free scoring on plastic-laminated panels.
Machines: horizontal and vertical sizing machines equipped with scoring device for vertical adjustment.
Material: single or double-sided plastic-laminated panels, MDF.

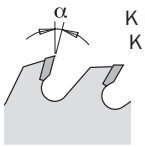
EXCELLENT — Two-Sided Melamine

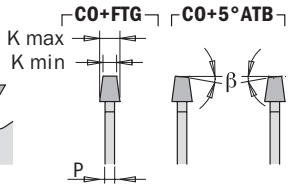








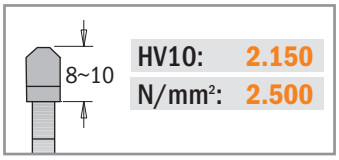




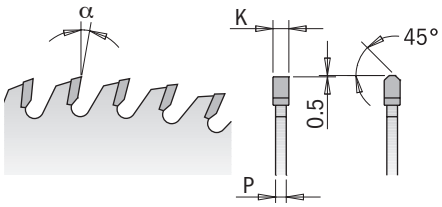
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.	ORDER NO. XTREME
80	20		12	3,1-3,6	2,2	10°	CO+FTG	1		S288.080.12H
100	20		20	3,1-4,0	2,5	5°	CO+5° ATB	1		288.100.20H
100	22		20	3,1-4,0	2,5	5°	CO+5° ATB	1		288.100.20K
120	20		24	3,1-4,0	2,5	5°	CO+5° ATB	1		288.120.24H
120	20		24	3,4-4,2	2,5	5°	CO+5° ATB	1		288.120.24H1
120	22		24	3,1-4,0	2,5	5°	CO+5° ATB	1		288.120.24K
125	20		24	3,1-4,0	2,5	5°	CO+5° ATB	1		288.125.24H
125	20		24	3,4-4,2	2,5	5°	CO+5° ATB	1		288.125.24H1
125	20		24	4,3-5,5	3,2	10°	CO+FTG	1		288.125.24H2
125	22		24	3,1-4,0	2,5	5°	CO+5° ATB	1		288.125.24K
125	45		24	4,3-5,5	3,2	10°	CO+FTG	1		288.125.24Q
140	16	1/6/33	24	3,1-4,0	2,2	10°	CO+FTG	1	Y288.140.24E	
150	45	3/11/70	36	4,3-5,5	3,2	10°	CO+FTG	1		288.150.36Q
160	45	3/11/70	36	4,3-5,5	3,2	10°	CO+FTG	1		288.160.36Q
160	55	3/7/66 + 3/6/84	36	4,3-5,5	3,2	10°	CO+FTG	1		288.160.36O
160	55	3/7/66 + 3/6/84	36	4,7-6,0	3,5	10°	CO+FTG	1	Y288.160.3602	
180	20		36	4,3-5,5	3,2	10°	CO+FTG	1	Y288.180.36H	
180	30		36	4,4-5,3	3,2	10°	CO+FTG	1		288.180.36M
new 180	45		36	4,3-5,5	3,2	8°	CO+5° ATB	1		288.180.36Q2
180	45		36	4,8-5,6	3,5	10°	CO+FTG	1		288.180.36Q
180	55		36	5,0-6,2	3,5	10°	CO+FTG	1	288.180.360	
180	50	3/12,5/80	44	4,3-5,5	3,2	10°	CO+FTG	1	288.180.44T	
200	20		36	4,4-5,3	3,2	10°	CO+FTG	1		288.200.36H
200	45		36	4,7-6,0	3,5	10°	CO+FTG	1		288.200.36Q
200	45		36	4,3-5,5	3,2	10°	CO+FTG	1		Y288.200.36Q2
200	65	2/9/100 + 2/9/110	36	4,4-5,3	3,2	10°	CO+FTG	1		288.200.36J
215	50	3/15/80	42	4,3-5,5	3,2	8°	CO+FTG	1	288.215.42T	
300	50	3/15/80	48	4,3-5,5	3,2	10°	CO+FTG	1	288.300.48T	
300	65	2/9/100 + 2/9/110	72	4,3-5,5	3,2	10°	CO+FTG	1	288.300.72J	

281-282

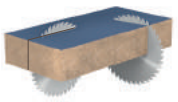
APPLICATION: for sizing single sheets and multiple panels.
MACHINES: horizontal panel sizing machines.
MATERIAL: single or double-sided plastic-laminated panels, MDF.



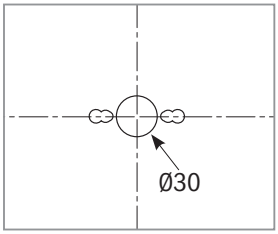
HV10: 2.150
N/mm²: 2.500



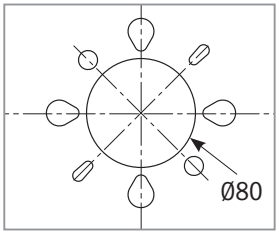
EXCELLENT — Two-Sided Melamine



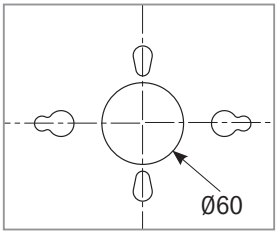
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	LOW NOISE		ORDER NO.	ORDER NO. XTREME
250	30	COMBI3	60	3,2	2,2	10°	TCG		1	281.060.10M	
250	30	COMBI3	80	3,2	2,2	10°	TCG		1	281.080.10M	
300	30	COMBI3	60	4,4	3,2	16°	TCG		1		282.060.12M
300	30	COMBI3	72	3,2	2,2	10°	TCG		5	281.072.12M	
300	30	COMBI3	96	3,2	2,2	10°	TCG		1	281.096.12M	
300	75		60	4,4	3,2	16°	TCG		1		282.060.12X
300	80	COMBI5	60	4,4	3,2	16°	TCG		1	282.060.12W	
320	65	2/9/100 + 2/9/110	60	4,4	3,2	16°	TCG		1		Y282.060.13J
320	65	2/9/100 + 2/9/110	72	4,4	3,2	16°	TCG		1		282.072.13J
350	30	COMBI3	54	4,4	3,2	16°	TCG		1	282.054.14M	
350	30	COMBI3	72	4,4	3,2	16°	TCG		1		282.072.14M
350	30	COMBI3	108	3,5	2,5	10°	TCG		1	281.108.14M	
350	50	3/12,5/80	72	4,4	3,2	16°	TCG		1	282.072.14T	
350	60	2/14/100	72	4,4	3,2	16°	TCG		1	Y282.072.14U	
350	75	4/15/105 + 3/7/100	54	4,4	3,2	16°	TCG		1	282.054.14X	
350	75	4/15/105 + 3/7/100	72	4,4	3,2	16°	TCG		1		282.072.14X
350	80	COMBI5	54	4,4	3,2	16°	TCG		1	282.054.14W	
350	80	COMBI5	72	4,4	3,2	16°	TCG		1		282.072.14W
355	30	2/7/42 + 2/10/60	72	4,4	3,2	16°	TCG		1	S282.03556	
355	65	2/9/100 + 2/9/110	72	4,4	3,2	16°	TCG		1		282.072.14J2
new 355	80	4/9/100 + 2/9/110 + 2/14/110	72	4,4	3,2	16°	TCG		1		282.072.14W2
new 380	60	2/14/100	72	4,4	3,2	15°	TCG		1		282.072.15U2
380	60	COMBI7	72	4,8	3,5	16°	TCG		1		282.072.15U
380	80	COMBI5	72	4,4	3,2	16°	TCG		1	282.072.15W	
400	30	2/10/60	60	4,4	3,2	16°	TCG		1		282.060.16M
400	30	2/10/60	72	4,4	3,2	16°	TCG		1		282.072.16M
400	60	COMBI7	72	4,4	3,2	16°	TCG		1		282.072.16U
400	75	4/15/105	60	4,4	3,2	16°	TCG		1	282.060.16X	
400	75	4/15/105	72	4,4	3,2	16°	TCG		1		282.072.16X
400	80	COMBI5	60	4,4	3,2	16°	TCG		1	282.060.16W	
400	80	COMBI5	72	4,4	3,2	16°	TCG		1		282.072.16W
new 420	80	4/9/100 + 2/9/110 + 2/14/110	72	4,4	3,2	15°	TCG		1		282.072.17W
new 430	65	2/9/100 + 2/9/110	72	4,4	3,2	16°	TCG		1		Y282.072.17J
430	75	4 /15/105	72	4,4	3,2	16°	TCG		1	282.072.17X	
430	80	COMBI5	72	4,4	3,2	16°	TCG		1		282.072.17W2
new 450	30	2/10/60 + 2/13/94	72	4,4	3,2	16°	TCG		1		Y282.072.18M2
450	60	COMBI7	72	4,8	3,5	16°	TCG		1		282.072.18U
450	80	COMBI5	72	4,8	3,5	16°	TCG		1		282.072.18W2
500	60	COMBI7	72	4,8	3,5	16°	TCG		1		282.072.20U
500	80	COMBI5	72	4,8	3,5	16°	TCG		1	Y282.072.20W	
550	100		72	5,2	3,5	16°	TCG		1	282.072.22A	



COMBI3
2/7/42mm
2/9/46,4mm
2/10/60mm



COMBI5
2/7/110mm
2/8,4/130mm
2/14/110mm
4/9/100mm
4/19/120mm



COMBI7
2/10/80mm
1/11/85mm
2/11/115mm
2/11/148mm
2/14/100mm
2/14/125mm
2/19/120mm

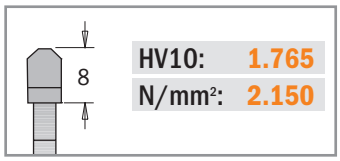
284

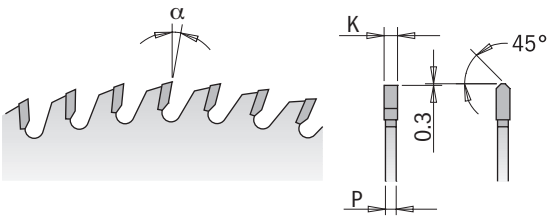
Application: for cutting and dividing tubes, wire drawn products and solid blocks.

Machines: table saws, single or double mitre saws with mechanical clamping of the workpiece.

Material: aluminium, brass, copper alloys, plastic, composite materials.

Warning: **it is recommended to properly clamp the workpiece during cutting operations and to use a liquid lubricant.**
Wax sticks are NOT RECOMMENDED.





Saw Blades for Portable Machines. Positive Hook Angle

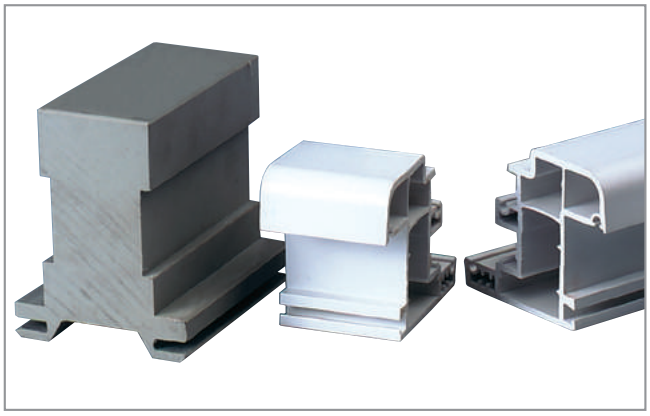
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
160	20	-	24	2,2	1,6	5°	TCG	5	**284.160.24H**
190	30	-	30	2,6	2,2	5°	TCG	5	**284.190.30M**
216	30	2/7/42	40	2,6	2,2	5°	TCG	5	**284.216.40M**

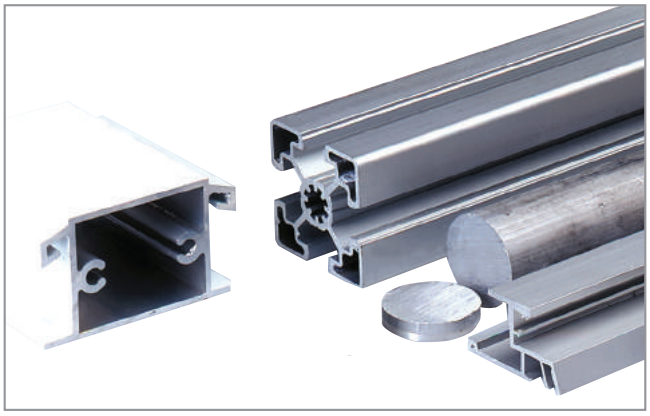
Remarks: in plastic carrying case.

Saw Blades for Industrial Machines. Positive Hook Angle

D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
250	32	2/12/64	80	3,2	2,5	5°	TCG	1	**284.080.10P**
300	32	2/12/64	96	3,2	2,5	5°	TCG	1	**284.096.12P**
350	32	2/12/64	92	3,2	2,5	5°	TCG	1	**284.092.14P**
350	32	2/12/64	108	3,2	2,5	5°	TCG	1	**284.108.14P**
400	32	2/12/64	96	3,8	3,2	5°	TCG	1	**284.096.16P**
420	32	2/12/64	96	3,8	3,2	5°	TCG	1	**284.096.17P**
450	30	2/10/60	108	3,8	3,2	5°	TCG	1	**284.108.18M**
450	32	2/12/64	108	3,8	3,2	5°	TCG	1	**284.108.18P**
500	30	2/10/60	120	4,0	3,2	5°	TCG	1	**284.120.20M**
500	32	2/12/64	120	4,0	3,2	5°	TCG	1	**284.120.20P**

Remarks: in cardboard box.





296-297

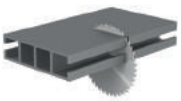
Application: for cutting and dividing tubes, profile/extrusion products and solid blocks.

Machines: single or double mitre saws, radial saws. Use series 296 for portable machines.

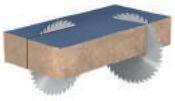
Material: aluminium, brass, copper alloys, plastic, composite material, melamine and laminated panels.

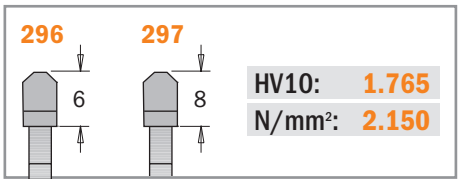
Warning: **it is recommended to use a liquid lubricant. Wax sticks are NOT RECOMMENDED.**

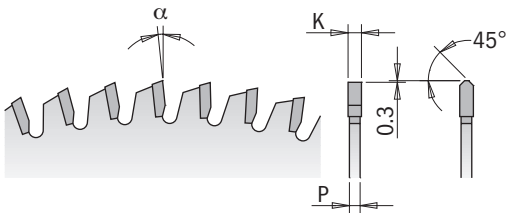
EXCELLENT — For All Non-Ferrous Metals & PVC



GOOD — Two-Sided Melamine







Saw Blades for Portable Machines & Mitre Saws. Negative Hook Angle

D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
120*	20	2/5,5/30	36	1,8	1,2	-6° Neg.	TCG	5	**296.120.36H**
160*	20	2/6/32	40	2,2	1,6	-6° Neg.	TCG	5	**296.160.40H**
160*	20	2/6/32	56	2,2	1,6	-6° Neg.	TCG	5	**296.160.56H**
165*	20	2/6/32	40	2,2	1,6	-6° Neg.	TCG	5	**296.165.40H**
165*	20	2/6/32	56	2,2	1,6	-6° Neg.	TCG	5	**296.165.56H**
180*	20	2/6/32	40	2,8	2,2	-6° Neg.	TCG	5	**296.180.40H**
190*	30	2/7/42	40	2,8	2,2	-6° Neg.	TCG	5	**296.190.40M**
190*	30	2/7/42	64	2,8	2,2	-6° Neg.	TCG	5	**296.190.64M**
190*	20 (Festool® FF)	Key 5/7/2,5	64	2,8	2,2	-6° Neg.	TCG	5	**296.190.64FF**
200*	30	COMBI3	48	2,8	2,2	-6° Neg.	TCG	5	**296.200.48M**
210*	30	2/7/42	48	2,8	2,2	-6° Neg.	TCG	5	**296.210.48M**
210*	30	2/7/42	64	2,8	2,2	-6° Neg.	TCG	5	**296.210.64M**
216*	30	2/7/42	64	2,8	2,2	-6° Neg.	TCG	5	**297.064.09M**
216*	30	2/7/42	80	2,8	2,2	-6° Neg.	TCG	5	**297.080.09M**
225*	30	2/7/42	64	2,8	2,2	-6° Neg.	TCG	5	**296.225.64M**
230*	30	2/7/42	48	2,8	2,2	-6° Neg.	TCG	5	**296.230.48M**
235*	30	2/7/42	48	2,8	2,2	-6° Neg.	TCG	5	**296.235.48M**

*Non-low noise

Remarks: in plastic carrying case.

Saw Blades to Fit on Trim & Mitre Saws, Table Saws & Combined Joinery Machines. Negative Hook Angle

D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3,2	2,5	-6° Neg.	TCG	1	**297.080.10M**
250	32	2/12/64	80	3,2	2,5	-6° Neg.	TCG	1	**297.080.10P**
254	30	COMBI3	80	3,2	2,5	-5° Neg.	TCG	1	**297.081.10M**
260	30	COMBI3	80	2,8	2,2	-6° Neg.	TCG	1	**297.080.11M**
280*	30	COMBI3	64	3,2	2,5	-6° Neg.	TCG	1	**297.064.11M**
300	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.12M**
300	32	2/12/64	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.12P**
305*	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.13M**
315	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.23M**
330	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.33M**
330	32	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	**297.096.33P**
350	30	COMBI3	108	3,2	2,5	-6° Neg.	TCG	1	**297.108.14M**
350	32	4/12/64	108	3,2	2,5	-6° Neg.	TCG	1	**297.108.14P**
400	30	2/10/60	120	3,8	3,2	-6° Neg.	TCG	1	**297.120.16M**
400	32	4/12/64	108	3,8	3,2	-6° Neg.	TCG	1	**297.108.16P**
450	30	2/10/60	140	3,8	3,2	-6° Neg.	TCG	1	**Y297.140.18M**
450	30	2/10/60	108	3,8	3,2	-6° Neg.	TCG	1	**297.108.18M**
450	32	2/12/64	108	3,8	3,2	-6° Neg.	TCG	1	**297.108.18P**
500	30	2/10/60	120	4,0	3,2	-6° Neg.	TCG	1	**297.120.20M**
500	32	2/12/64	120	4,0	3,2	-6° Neg.	TCG	1	**297.120.20P**

*Non-low noise

Remarks: in cardboard box.

226

APPLICATION: for crosscutting a variety of materials such as iron, steel, pvc, compound materials, melamine.

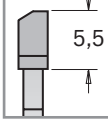
MACHINES: for "dry" crosscutting a variety of materials and ferrous materials such as iron, steel, pvc, compound materials, melamine.

MATERIAL: for ferrous materials and structural steel. Max Suggested Hardness HB420/HRC45.

WARNING: **not recommended for non-ferrous metals, wood, glass, concrete, plastic.**

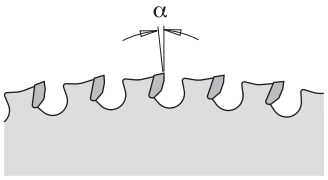
HW

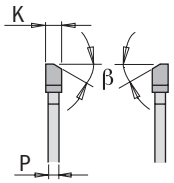
NEW CARBIDE GRADE



HV10: 1.520
N/mm²: 2.300

FOR BEST RESULTS AND LONGER LIFETIME PLEASE USE THE SUGGESTED RPM IN THE CHART





EXCELLENT For Iron, Steel, PVC, Compound Materials, Melamine

D mm	B mm	PIN HOLE	RPM suggested	Z	K mm	P mm	α	β		ORDER NO.
136,5*	10		4800	30	1,5	1,2	0°	8° FWF	5	**226.030.05**
136,5*	20		4800	30	1,5	1,2	0°	8° FWF	5	**226.030.05H**
150	20		4400	32	1,6	1,2	0°	8° FWF	5	**226.032.06H**
160	20	2/6/32	4100	30	2,0	1,6	0°	8° FWF	5	**226.030.06H**
165	15,87<>		4000	36	1,6	1,2	0°	8° FWF	5	**226.036.06**
165	20	2/6/32	4000	36	1,6	1,2	0°	8° FWF	5	**226.036.06H**
165	30	2/7/42	4000	36	1,6	1,2	0°	8° FWF	5	**226.036.06M**
184	15,87<>		3600	48	2,0	1,6	0°	8° FWF	5	**226.048.07**
190	30	2/7/42	3500	40	2,0	1,6	0°	8° FWF	5	**226.040.07M**
210	15,87<>		3100	48	2,2	1,8	0°	8° FWF	5	**226.048.08**
210	30	2/7/42	3100	48	2,2	1,8	0°	8° FWF	5	**226.048.08M**
216	30	2/7/42	3000	48	2,2	1,8	0°	8° FWF	5	**226.047.09M**
235	30	2/7/42	2800	48	2,2	1,8	0°	8° FWF	5	**226.048.09M**
254	15,87		2600	48	2,2	1,8	0°	8° FWF	5	**226.048.10**
254	15,87		2600	60	2,2	1,8	0°	8° FWF	1	**226.060.10**
254**	30	COMBI3	2600	60	2,2	1,8	0°	8° FWF	1	**226.060.10M**
305	25,4		2100	60	2,2	1,8	0°	8° FWF	5	**226.060.12**
305	25,4		2100	80	2,2	1,8	0°	8° FWF	5	**226.080.12**
305**	30	COMBI3	2100	80	2,2	1,8	0°	8° FWF	1	**226.080.12M**
355	25,4		1800	72	2,2	1,8	0°	8° FWF	5	**226.072.14**
355	25,4		1800	90	2,2	1,8	0°	8° FWF	5	**226.090.14**
355**	30	COMBI3	1800	90	2,2	1,8	0°	8° FWF	1	**226.090.14M**

*Non-low noise

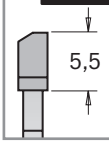
**REMARKS: in cardboard box.

XTREME

Saw Blades for Stainless Steel

MATERIAL: for stainless steel, studs and galvanized stuff. Max Suggested Hardness HB420/HRC45.

NEW CERMET GRADE



HV10: 1.600
N/mm²: 2.000

SPECIAL CARBIDE CERMET

CERMET CARBIDE LONG LIFE

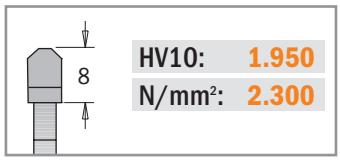
D mm	B mm	PIN HOLE	RPM suggested	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	4100	40	1,8	1,4	0°	8° FWF	1	**226.540.06H**
184	15,87<>		3600	48	2,0	1,6	0°	8° FWF	1	**226.548.07**
190	30	2/7/42	3500	48	1,8	1,4	0°	8° FWF	1	**226.548.07M**
216	30	2/7/42	3000	56	1,8	1,4	0°	8° FWF	1	**226.556.09M**
250**	30	COMBI3	2600	72	2,2	1,8	0°	8° FWF	1	**226.572.10M**
254	15,87		2600	72	2,2	1,8	0°	8° FWF	1	**226.572.10**
300**	30	COMBI3	2200	80	2,2	1,8	0°	8° FWF	1	**226.580.12M**
305	25,4		2100	80	2,2	1,8	0°	8° FWF	1	**226.580.12**
355	25,4		1800	90	2,2	1,8	0°	8° FWF	1	**226.590.14**
355**	30	COMBI3	1800	90	2,2	1,8	0°	8° FWF	1	**226.590.14M**

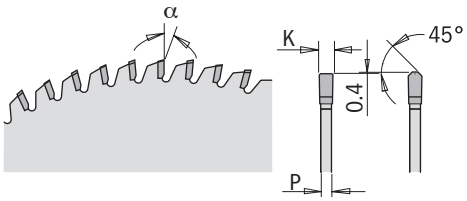
**REMARKS: in cardboard box.

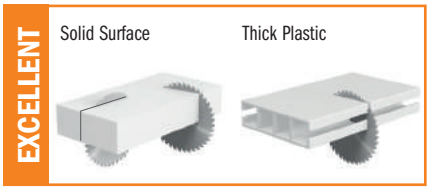
Solid Surface Saw Blades *Industrial Line*

223

Application: for swirl free cuts.
Machines: table saws and panel sizing.
Material: solid surface materials (DuPont™ Corian®, Wilsonart®, Gibraltar®, SSV Fountainhead®, Varicor®, etc.) and thick plastic.
Warning: **not recommended for use on mitre saws.**





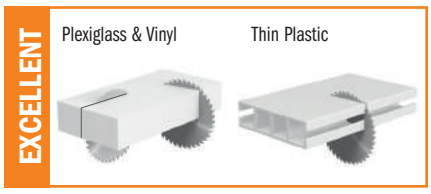


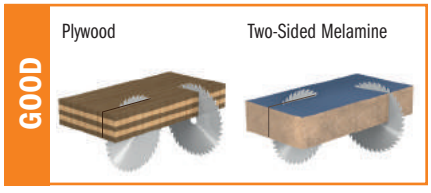
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
new 160	20	2/6/32	48	2,2	1,6	0°	MTCG	5	**223.048.06H**
250	30	COMBI3	72	3,2	2,5	0°	MTCG	1	**223.072.10M**
300	30	COMBI3	84	3,2	2,5	0°	MTCG	1	**223.084.12M**

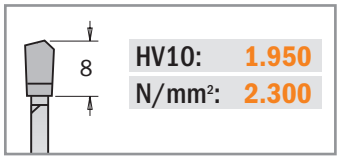
PVC & Plexiglass Saw Blades *Industrial Line*

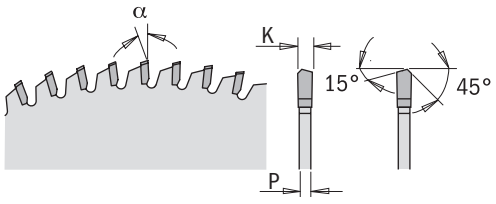
222

Application: for perfect cuts without melting and scratching.
Machines: table saws, panel sizing and mitre saws.
Material: thin plastic, plexiglass, vinyl, plywood, laminated flooring.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	2,8	2,2	-3° Neg.	MATB	1	**222.080.10M**
300	30	COMBI3	96	2,8	2,2	-3° Neg.	MATB	1	**222.096.12M**

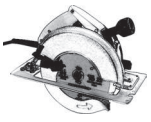
ITK-Plus® Ripping Saw Blades

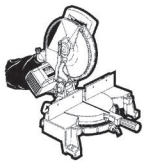
271

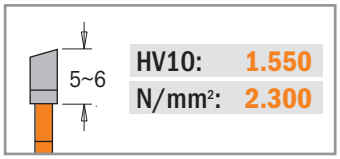
Application: for rip cuts at high-speed rotation. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for valuable wood.

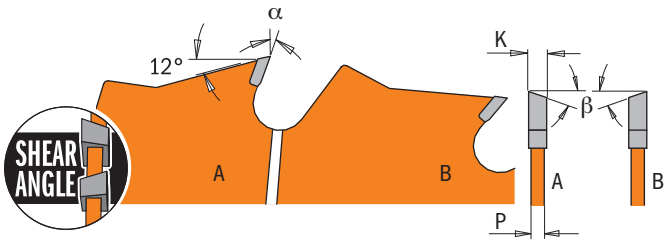
Machines: miter saws, table saws, portable and cordless saws.

Material: soft and hardwood.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
250	30	COMBI3	24	2,4	1,6	20°	10° ATB + 8° Shear	10	**271.250.24M**
300	30	COMBI3	24	2,6	1,8	22°	10° ATB + 8° Shear	5	**271.300.24M**

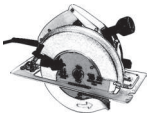
ITK-Plus® Rip & Crosscut Saw Blades

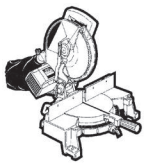
271

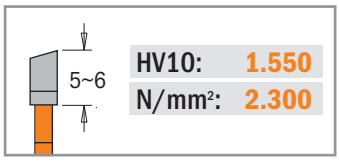
Application: for rip and crosscuts at high-speed rotation. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for valuable wood.

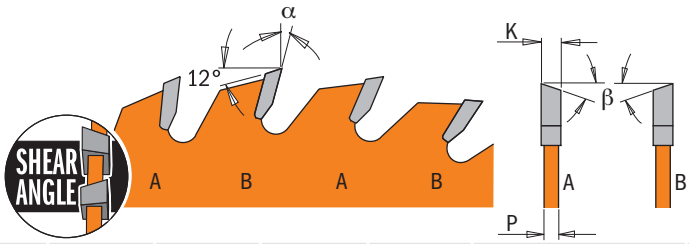
Machines: miter saws, table saws, portable and cordless saws.

Material: soft and hardwood, plywood.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
136	20 (+10)		18	1,5	1,0	20°	10° ATB + 8° Shear	10	**271.136.18H**
150	20 (+16)		24	1,5	1,0	18°	10° ATB + 8° Shear	10	**271.150.24H**
160	20 (+16)	2/6/32	24	1,8	1,2	18°	10° ATB + 8° Shear	10	**271.160.24H**
165	20 (+15,87)	2/6/32	24	1,7	1,1	18°	10° ATB + 8° Shear	10	**271.165.24H**
165	30	2/7/42	24	1,7	1,1	18°	10° ATB + 8° Shear	10	**271.165.24M**
184	20 (+16+15,87)	2/7/42	24	1,7	1,1	20°	10° ATB + 8° Shear	10	**271.184.24H**
184	30	2/7/42	24	1,7	1,1	20°	10° ATB + 8° Shear	10	**271.184.24M**
190	30 (+20+16)	2/7/42	24	1,7	1,1	20°	10° ATB + 8° Shear	10	**271.190.24M**
200	30	2/7/42	36	1,8	1,2	15°	10° ATB + 8° Shear	10	**271.200.36M**
new 210	30 (+25)	2/7/42	24	1,8	1,2	20°	10° ATB + 8° Shear	10	**271.210.24M**
210	30 (+25)	2/7/42	36	1,8	1,2	15°	10° ATB + 8° Shear	10	**271.210.36M**
216	30	2/7/42	36	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	**271.216.36M**
235	30 (+25)	2/7/42	36	2,4	1,6	18°	10° ATB + 8° Shear	10	**271.235.36M**
250	30	COMBI3	42	2,4	1,6	18°	10° ATB + 8° Shear	10	**271.250.42M**
300	30	COMBI3	48	2,6	1,8	18°	10° ATB + 8° Shear	5	**271.300.48M**
new 305	30	COMBI3	48	2,6	1,8	-5° Neg.	ATB	5	**271.305.48M**

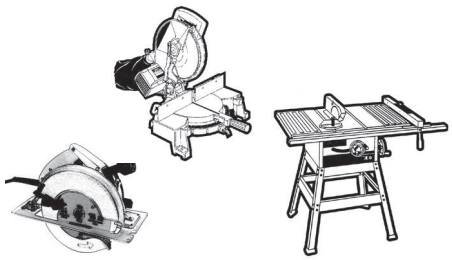
ITK-Plus® Crosscut Saw Blades

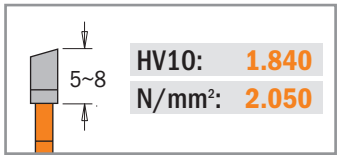
272

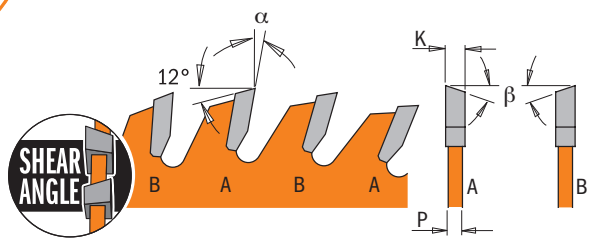
Application: for rip and crosscuts at high-speed rotation. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for valuable wood.

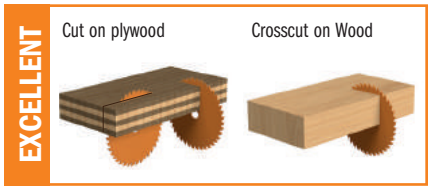
Machines: miter saws, table saws, portable and cordless saws.

Material: soft and hardwood, plywood.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
136	20 (+10)		36	1,5	1,0	18°	10° ATB + 8° Shear	10	**272.136.36H**
150	20 (+16)		40	1,5	1,0	16°	10° ATB + 8° Shear	10	**272.150.40H**
160	20 (+16)	2/6/32	40	1,8	1,2	16°	10° ATB + 8° Shear	10	**272.160.40H**
165	20 (+15,87)	2/6/32	36	1,7	1,1	20°	10° ATB + 8° Shear	10	**272.165.36H**
184	20 (+16+15,87)	2/7/42	40	1,7	1,1	18°	10° ATB + 8° Shear	10	**272.184.40H**
184	30	2/7/42	40	1,7	1,1	18°	10° ATB + 8° Shear	10	**272.184.40M**
190	30 (+20+16)	2/7/42	42	1,7	1,1	18°	10° ATB + 8° Shear	10	**272.190.42M**
200	30	2/7/42	48	1,8	1,2	15°	10° ATB + 8° Shear	10	**272.200.48M**
210	30 (+25)	2/7/42	48	1,8	1,2	15°	10° ATB + 8° Shear	10	**272.210.48M**
216	30	2/7/42	48	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	**272.216.48M**
235	30 (+25)	2/7/42	48	2,4	1,6	18°	10° ATB + 8° Shear	10	**272.235.48M**
250	30	COMBI3	60	2,4	1,6	15°	10° ATB + 8° Shear	10	**272.250.60M**
300	30	COMBI3	72	2,6	1,8	15°	10° ATB + 8° Shear	5	**272.300.72M**
new 305	30	COMBI3	72	2,6	1,8	-5° Neg.	ATB	5	**272.305.72M**

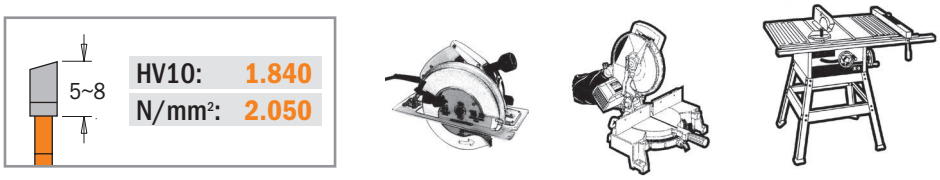
ITK-Plus® Fine Cut-Off Saw Blades

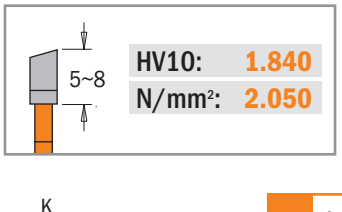
273

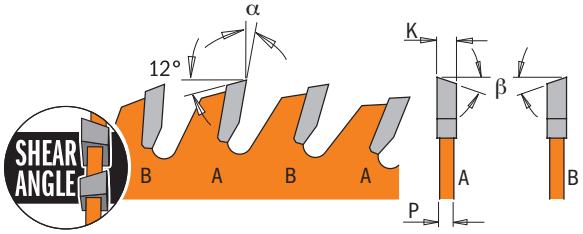
Application: for crosscuts and finish cuts. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for precious wood.

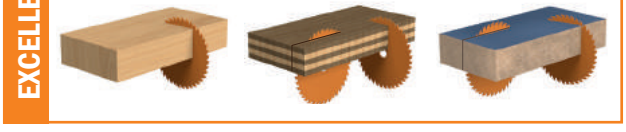
Machines: miter saws, table saws, portable and cordless saws.

Material: soft and hardwood, exotic wood, plywood and laminates.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
160	20 (+16)	2/6/32	56	1,8	1,2	12°	10° ATB + 8° Shear	10	**273.160.56H**
190	30 (+20+16)	2/7/42	64	1,7	1,1	15°	10° ATB + 8° Shear	10	**273.190.64M**
216	30	2/7/42	64	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	**273.216.64M**
250	30	COMBI3	80	2,4	1,6	12°	10° ATB + 8° Shear	10	**273.250.80M**
300	30	COMBI3	96	2,6	1,8	12°	10° ATB + 8° Shear	5	**273.300.96M**

ITK-Plus® Non-Ferrous Metal & Composite Decking

new

CMT ORANGE TOOLS®

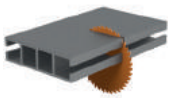
276

HW

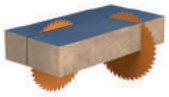
APPLICATION: for heavy-duty cutting, excellent on thin-walled extrusions, good on thick-walled extrusions.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: aluminum, brass, copper, PVC, non-ferrous metals and composite decking.

EXCELLENT

For All Non-Ferrous Metal and PVC

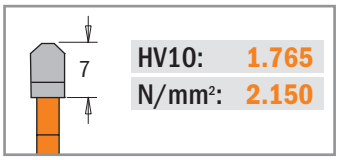


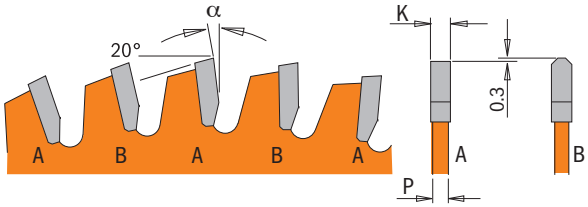
Double-Sided Laminate



Composite Decking

TREX®
TIMBERTECH®
AZEK®
VERANDA®
CHOICEDECK®





D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20 (16)	2/6/32	48	1,8	1,2	-6° Neg.	TCG	10	**276.160.48H**
184	20 (16-15,87)	2/7/42	48	1,8	1,2	-6° Neg.	TCG	10	**276.184.48H**
190	20 (20-16)	2/7/42	64	1,8	1,2	-6° Neg.	TCG	10	**276.190.64M**
210	30 (25)	2/7/42	64	1,8	1,2	-6° Neg.	TCG	10	**276.210.64M**
216	30	2/7/42	64	2,2	1,6	-6° Neg.	TCG	10	**276.216.64M**
250	30	COMBI3	80	2,6	1,8	-6° Neg.	TCG	10	**276.250.80M**
300	30	COMBI3	96	2,8	2,0	-6° Neg.	TCG	10	**276.300.96M**
305	30	COMBI3	96	2,8	2,0	-6° Neg.	TCG	10	**276.305.96M**

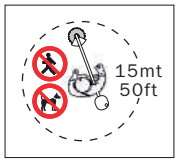
Garden Trimmer Saw Blades

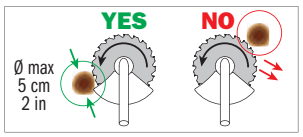
298

HW

SECURED TOOTH

APPLICATION: for cutting grass, bushes and small trees.
MACHINES: hedge trimmers.
MATERIAL: grass, bushes and small trees.
WARNING: **always wear safety glasses and ear protection. Carefully read the safety recommendations provided for this product.**

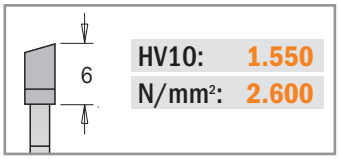


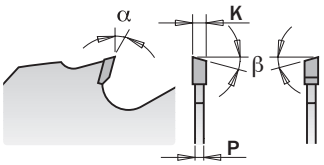


EXCELLENT

Bushes & Small Trees
(up to a diameter of Ø5 cm)

Grass





D mm	B mm	RPM max	Z	K mm	P mm	α	β		ORDER NO.
250	20	12.000	20	2,2	1,4	15°	10° ATB	10	**298.250.20H**
250	25,4	12.000	20	2,2	1,4	15°	10° ATB	10	**298.250.20**

DP Saw Blades for Ultra-Hard Materials

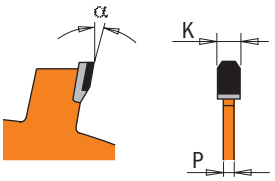
236

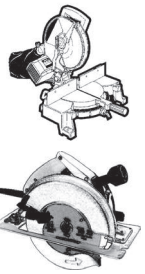
Application: for rip and crosscuts on abrasive materials.

Machines: mitre saws, portable and cordless machines.

Material: Eternit®, Swisspearl®, Fermacell®, Ivarplank®, HardiePlank®, HardiePanel®, Corian®, Duroplast®, Formica® and other generic panels such as chipboard, MDF plasterboard and thermoplastic.

DP · NON-STICK ORANGE SHIELD COATING · 60X LONGER LIFE THAN CARBIDE





D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
85	15		6	1,8	1,4	12°	TCG	10	**236.085.06G**
new 125	22,23		7	2,0	1,4	5°	TCG	10	**236.125.07**
160	20	2/6/32	4	2,4	1,8	12°	TCG	10	**236.160.04H**
160	20	2/6/32	10	2,4	1,8	5°	TCG	10	**236.160.10H**
new 165	20 (+15,87)	2/6/32	4	1,8	1,4	12°	TCG	10	**236.165.04H**
new 165	20 (+15,87)	2/6/32	10	1,8	1,4	5°	TCG	10	**236.165.10H**
180	20	2/6/32	4	2,4	1,8	12°	TCG	10	**236.180.04H**
190	30	2/7/42	4	2,4	1,8	12°	TCG	10	**236.190.04M**
190	30	2/7/42	12	2,4	1,8	12°	TCG	10	**236.190.12M**
210	30	2/7/42	12	2,4	1,8	12°	TCG	10	**236.210.12M**
216	30	2/7/42	14	2,4	1,8	12°	TCG	10	**236.216.14M**
230	30	2/7/42	4	2,4	1,8	12°	TCG	10	**236.230.04M**
250	30	COMBI3	16	2,4	1,8	12°	TCG	10	**236.250.16M**
300	30	COMBI3	20	2,4	1,8	12°	TCG	5	**236.300.20M**

Rip Saw Blades *for Portable Machines*

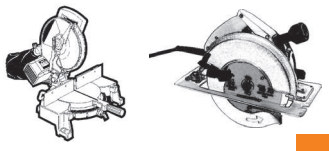
290

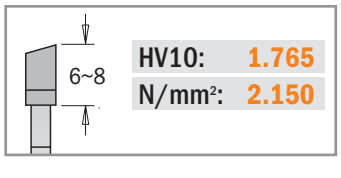
Application: for rip cuts.

Machines: mitre saws and portable machines.

Material: soft and hardwood.

HW



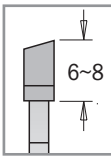


D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
150	20		12	2,4	1,4	20°	10° ATB	5	**290.150.12H**
160	16		12	2,2	1,6	20°	10° ATB	5	**290.160.12E**
160	20	2/6/32	12	2,2	1,6	20°	10° ATB	5	**290.160.12H**
180	30	2/7/42	12	2,6	1,6	20°	10° ATB	5	**290.180.12M**
190	16	2/6/32	12	2,6	1,6	20°	10° ATB	5	**290.190.12E**
190	20	2/6/32	12	2,6	1,6	20°	10° ATB	5	**290.190.12H**
190	30	2/7/42	12	2,6	1,6	20°	10° ATB	5	**290.190.12M**
200	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.200.24M**
210	25		24	2,8	1,8	20°	10° ATB	5	**290.210.24L**
210	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.210.24M**
216	30	2/7/42	24	2,8	1,8	-5° Neg.	15° ATB	5	**290.216.24M**
220	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.220.24M**
230	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.230.24M**
235	25		24	2,8	1,8	20°	10° ATB	5	**290.235.24L**
235	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.235.24M**
240	30	2/7/42	24	2,8	1,8	20°	10° ATB	5	**290.240.24M**
250	30	COMBI3	24	2,8	1,8	20°	10° ATB	5	**290.250.24M***
260	30	COMBI3	28	2,8	1,8	20°	10° ATB	1	**290.260.28M***
270	30	2/7/42	28	2,8	1,8	20°	10° ATB	5	**290.270.28M***

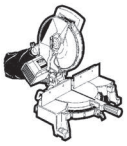
* *Industrial quality*

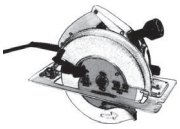
285-291

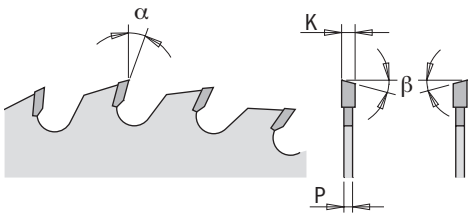
Application: for rip and crosscuts.
Machines: table and mitre saws, portable machines.
Material: soft and hardwood, plywood.



HV10: 1.765
N/mm²: 2.150







EXCELLENT

D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
120	20	2/5,5/30	18	1,8	1,2	15°	15° ATB	5	**291.120.18H***
125	20		20	2,4	1,4	15°	15° ATB	5	**291.125.20H**
130	20		20	2,4	1,4	15°	15° ATB	5	**291.130.20H**
140	20		20	2,4	1,4	15°	15° ATB	5	**291.140.20H**
150	16		24	2,4	1,4	15°	15° ATB	5	**291.150.24E**
150	20		24	2,4	1,4	15°	15° ATB	5	**291.150.24H**
160	16		24	2,2	1,6	15°	15° ATB	5	**291.160.24E**
160	20	2/6/32	24	2,2	1,6	15°	15° ATB	5	**291.160.24H**
160	30	2/7/42	24	2,2	1,6	15°	15° ATB	5	**291.160.24M**
165	20	2/6/32	24	2,2	1,6	15°	15° ATB	5	**291.165.24H**
165	30	2/7/42	24	2,6	1,6	15°	15° ATB	5	**291.165.24M**
170	30	2/7/42	24	2,6	1,6	20°	10° ATB	5	**291.170.24M**
180	20	2/6/32	24	2,6	1,6	20°	10° ATB	5	**291.180.24H**
180	30	2/7/42	24	2,6	1,6	20°	10° ATB	5	**291.180.24M**
184	16		24	2,6	1,6	20°	10° ATB	5	**291.184.24E**
184	30		24	2,6	1,6	20°	10° ATB	5	**291.184.24M**
190	16	2/6/32	24	2,6	1,6	20°	10° ATB	5	**291.190.24E**
190	20	2/6/32	24	2,6	1,6	20°	10° ATB	5	**291.190.24H**
190	30	2/7/42	24	2,6	1,6	20°	10° ATB	5	**291.190.24M**
190	20 (Festool® FF)	Key 5/7/2,5	32	2,6	1,8	10°	10° ATB	5	**291.190.32FF**
200	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.200.36M**
210	25		36	2,8	1,8	15°	15° ATB	5	**291.210.36L**
210	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.210.36M**
216	30	2/7/42	48	2,8	1,8	-5° Neg.	15° ATB	5	**291.216.48M**
220	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.220.36M**
225	30	2/7/42	36	2,8	1,8	20°	15° ATB	5	**291.225.36M**
230	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.230.36M**
235	25		36	2,8	1,8	15°	15° ATB	5	**291.235.36L**
235	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.235.36M**
240	30	2/7/42	36	2,8	1,8	15°	15° ATB	5	**291.240.36M**
250	20	COMBI3	40	3,2	2,2	15°	10° ATB	1	**285.040.10H***
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	1	**285.040.10M***
260	30	2/10/60 + 2/7/42	48	2,8	1,8	15°	10° ATB	1	**285.048.11M***
270	30	2/7/42	42	2,8	1,8	20°	10° ATB	5	**291.270.42M***

∗ *Industrial quality*

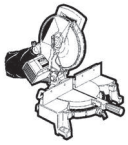
281-285-292

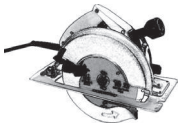
HW

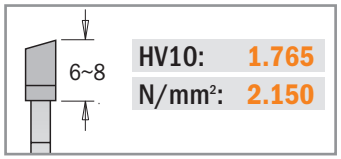
Application: for crosscuts, perfect finishing.

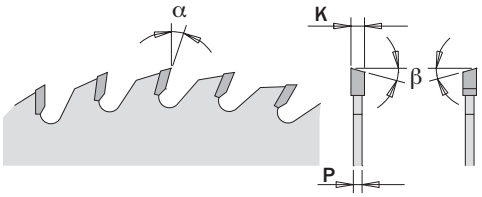
Machines: table and mitre saws, portable machines.

Material: soft, hard and exotic wood, wood-based panels, single-sided veneer, paper-based laminates.









D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
120	20	2/5,5/30	36	1,8	1,2	10°	15° ATB	5	**292.120.36H***
120	20	2/5,5/30	40	1,8	1,2	10°	15° ATB	5	**292.120.40H**
125	20	-	36	2,4	1,4	15°	15° ATB	5	**292.125.36H**
130	20	-	36	2,4	1,4	15°	15° ATB	5	**292.130.36H**
140	20	-	36	2,4	1,4	15°	15° ATB	5	**292.140.36H**
150	20	-	40	2,4	1,4	15°	15° ATB	5	**292.150.40H**
150	30	2/7/42	48	3,2	2,2	5°	15° ATB	5	**285.048.06M***
160	16	-	40	2,2	1,6	10°	15° ATB	5	**292.160.40E**
160	20	2/6/32	40	2,2	1,6	10°	15° ATB	5	**292.160.40H**
160	20 (Virutex)	4/7/32 (45°)	40	2,2	1,6	10°	TCG	5	**281.160.40H***
160	20	2/6/32	40	2,2	1,6	10°	TCG	5	**281.160.40H2***
160	30	2/7/42	40	2,2	1,6	10°	15° ATB	5	**292.160.40M**
160	20	2/6/32	48	2,2	1,6	5°	15° ATB	5	**285.160.48H**
160	20	2/6/32	56	2,2	1,6	15°	15° ATB	5	**292.160.56H**
165	20	2/6/32	40	2,2	1,6	10°	15° ATB	5	**292.165.40H**
165	20	2/6/32	56	2,2	1,6	15°	15° ATB	5	**292.165.56H**
165	30	2/7/42	40	2,6	1,6	10°	15° ATB	5	**292.165.40M**
170	30	2/7/42	40	2,6	1,6	15°	15° ATB	5	**292.170.40M**
180	20	2/6/32	40	2,6	1,6	15°	15° ATB	5	**292.180.40H**
180	30	2/7/42	40	2,6	1,6	15°	15° ATB	5	**292.180.40M**
180	30	2/7/42	56	3,2	2,2	5°	15° ATB	5	**285.056.07M***
184	16		40	2,6	1,6	15°	15° ATB	5	**292.184.40E**
184	30		40	2,6	1,6	15°	15° ATB	5	**292.184.40M**
190	16	2/6/32	40	2,6	1,6	15°	15° ATB	5	**292.190.40E**
190	20	2/6/32	40	2,6	1,6	15°	15° ATB	5	**292.190.40H**
190	30	2/7/42	40	2,6	1,6	15°	15° ATB	5	**292.190.40M**
190	30	2/7/42	64	2,6	1,6	15°	15° ATB	5	**292.190.64M**
190	20 (Festool® FF)	5/7/2,5	48	2,4	1,8	10°	15° ATB	5	**292.190.48FF**
200	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.200.48M**
210	25		48	2,8	1,8	15°	15° ATB	5	**292.210.48L**
210	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.210.48M**
210	30	2/7/42	64	2,8	1,8	15°	15° ATB	5	**292.210.64M**
216	30	2/7/42	64	2,8	1,8	-5° Neg.	15° ATB	5	**292.216.64M**
216	30	2/7/42	80	2,8	1,8	-5° Neg.	15° ATB	5	**292.216.80M**
220	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.220.48M**
225	30	2/7/42	48	2,8	1,8	10°	15° ATB	5	**292.225.48M**
230	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.230.48M**
230	30	2/7/42+2/10/60	64	2,8	1,8	15°	15° ATB	5	**292.230.64M**
235	25		48	2,8	1,8	15°	15° ATB	5	**292.235.48L**
235	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.235.48M**
240	30	2/7/42	48	2,8	1,8	15°	15° ATB	5	**292.240.48M**
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	1	**285.060.10M***
260	30	2/10/60 + 2/7/42	60	2,8	1,8	10°	15° ATB	5	**285.060.11M***

∗ *Industrial quality*

CMT ORANGE TOOLS®

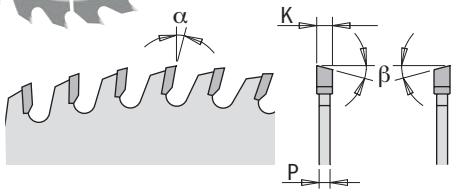
K (CMT Contractor Tools®)

Machines: portable benchtop and table saws.
Material: soft/hard wood, plywood, OSB panels.

Designed for construction, remodeling and DIY projects.
These blades deliver solid performance at a very economical price.

Kit 10 pcs.

HW



GREAT VALUE

Description	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		Order No.
Fine cut-off *(clamshell)*	85	15		24	1,1	0,7	12°	5° ATB	10	**K02403**
Crosscut *(pack 10 blades)*	136	20		18	1,5	1,0	15°	15° ATB	5	**K13618H-X10**
Fine cut-off *(pack 10 blades)*	160	20	2/6/32	24	2,2	1,4	15°	15° ATB	5	**K16024H-X10**
Crosscut *(pack 10 blades)*	160	20	2/6/32	40	2,2	1,4	10°	15° ATB	5	**K16040H-X10**
Crosscut *(pack 10 blades)*	165	20	2/6/32	24	1,7	1,1	15°	15° ATB	5	**K16524H-X10**
Crosscut *(pack 10 blades)*	190	30	2/7/42	24	2,2	1,4	20°	10° ATB	5	**K19024M-X10**
Crosscut *(pack 10 blades)*	216	30	2/7/42	24	2,4	1,6	-5° Neg.	15° ATB	5	**K21624M-X10**
Crosscut *(pack 10 blades)*	216	30	2/7/42	48	2,4	1,6	-5° Neg.	15° ATB	5	**K21648M-X10**
Crosscut *(pack 5 blades)*	250	30	COMBI3	40	2,6	1,8	15°	10° ATB	5	**K25040M-X05**

CMT Contractor Tools® Saw Blade Combo

K (CMT Contractor Tools®)

Machines: portable benchtop and table saws.
Material: soft/hard wood, plywood, OSB panels.

Designed for construction, remodeling and DIY projects.
These blades deliver solid performance at a very economical price.

GREAT VALUE

HW

K160H-X03 3-pc Set for Crosscut & Fine Cut Circular Saw Blades Ø160mm. Bore 20mm.

MASTERPACK 10

Description	Set Contains Order No.	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β
Crosscut	K16024H (1pc.)	160	20	2/6/32	24	2,2	1,4	15°	15° ATB
Fine cut-off	K16040H (2pc.)	160	20	2/6/32	40	2,2	1,4	10°	15° ATB

K190M-X03 3-pc Set for Crosscut & Fine Cut Circular Saw Blades Ø190mm. Bore 30mm.

MASTERPACK 10

Description	Set Contains Order No.	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β
Crosscut	K19024M (2pc.)	190	30	2/7/42	24	2,2	1,4	20°	10° ATB
Fine cut-off	K19040M (1pc.)	190	30	2/7/42	40	2,2	1,4	15°	10° ATB

K216M-X03 3-pc Set for Crosscut & Fine Cut Circular Saw Blades Ø216mm. Bore 30mm.

MASTERPACK 10

Description	Set Contains Order No.	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β
Crosscut	K21624M (1pc.)	216	30	2/7/42	24	2,4	1,6	-5° Neg.	15° ATB
Fine cut-off	K21648M (2pc.)	216	30	2/7/42	48	2,4	1,6	-5° Neg.	15° ATB

K250M-X02 2-pc Set for Rip & Crosscut Circular Saw Blades Ø250mm. Bore 30mm.

MASTERPACK 10

Description	Set Contains Order No.	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β
Rip	K25024M (1pc.)	250	30	COMBI3	24	2,6	1,8	20°	10° ATB
Crosscut	K25040M (1pc.)	250	30	COMBI3	40	2,6	1,8	15°	10° ATB

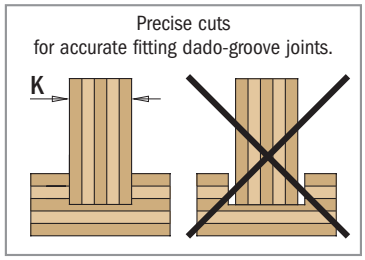
K305M-X02 2-pc Set for Crosscut & Fine Cut Circular Saw Blades Ø305mm. Bore 30mm.

MASTERPACK 5

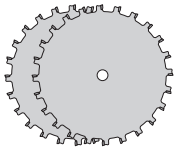
Description	Set Contains Order No.	D mm	B mm	Pin Hole	Z	K mm	P mm	α	β
Crosscut	K30540M (1pc.)	305	30	COMBI3	40	2,8	2,0	-5° Neg.	10° ATB
Fine cut-off	K30560M (1pc.)	305	30	COMBI3	60	2,8	2,0	-5° Neg.	10° ATB

230

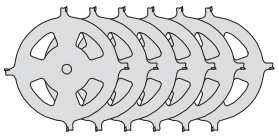
CMT thoroughly researched the shortcomings of "standard" dado sets and learned what cabinet makers required most from an "ideal" dado.
The result was the superior CMT precision dado, designed with the following features:
- anti-kickback design to reduce the possibility of overfeeding that can occur when cutting mass material.
- splinter resistant cuts in veneer plywood, melamine and hard and soft woods;
- shim sets included for cuts between 6,35mm (1/4") and 22,23mm (7/8").



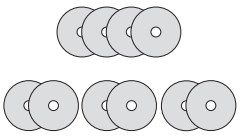
Precision Dado set includes:



2 BLADES

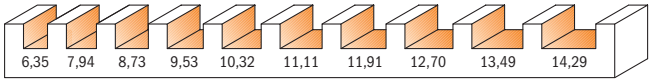


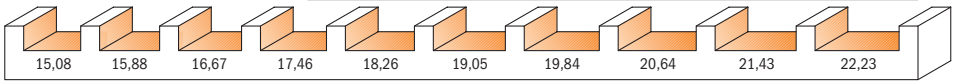
6 CARBIDE TIPPED FOUR TOOTH CHIPPERS

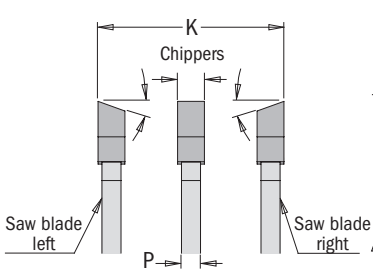


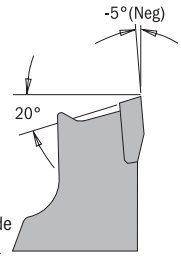
SHIM SET

Shims set contains No.	Shim Width
4	0.1mm
2	0.2mm
2	0.3mm
2	0.5mm





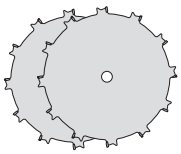




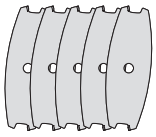
D mm	B mm	Z	P (inside blades) 3,2mm	2,4mm	1,6mm	K min.	K max	α	β		ORDER NO.
150	15,87	20	4 pcs.	1 pcs.	1 pcs.	6,35	22,23	-5° Neg.	FTG+ATB	3	**230.520.06**
200	15,87	24	4 pcs.	1 pcs.	1 pcs.	6,35	22,23	-5° Neg.	FTG+ATB	3	**230.524.08**
200	30	24	4 pcs.	1 pcs.	1 pcs.	6,35	22,23	-5° Neg.	FTG+ATB	3	**230.524.08M**

K mm	Number of required inside blades 1,6mm	2,4mm	3,2mm
6,35	0	0	0
7,94	1	0	0
8,73	0	1	0
9,53	0	0	1
10,32	1	1	0
11,11	1	0	1
11,91	0	1	1
12,70	0	0	2
13,49	1	1	1
14,29	1	0	2
15,08	0	1	2
15,88	0	0	3
16,67	1	1	2
17,46	1	0	3
18,26	0	1	3
19,05	0	0	4
19,84	1	1	3
20,64	1	0	4
21,43	0	1	4
22,23	1	1	4

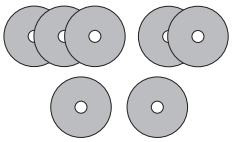
Dado Pro set includes:



2 BLADES

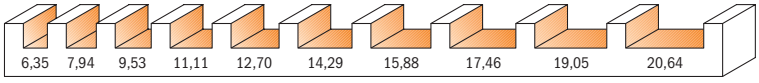


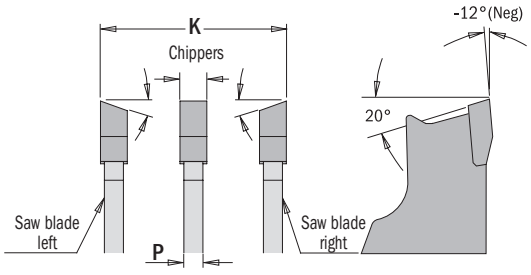
5 CARBIDE TIPPED TWO TOOTH CHIPPERS

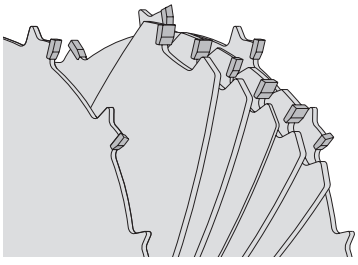


SHIM SET

Shims set contains No.	Shim Width
3	0.1mm
2	0.2mm
1	0.3mm
1	0.5mm





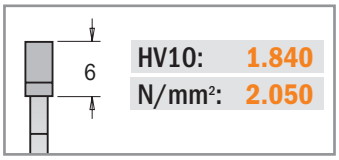


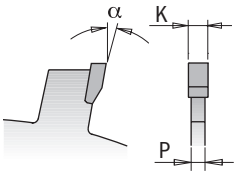
D mm	B mm	Z	P (inside blades) 3,2mm	1,6mm	K min.	K max	α	β		ORDER NO.
200	15,87	12	4 pcs.	1 pcs.	6,35	20,64	-12° Neg.	FTG+ATB	5	**230.012.08**

K mm	Number of required inside blades 1,6mm	3,2mm
6,35	0	0
7,94	1	0
9,53	0	1
11,11	1	1
12,70	0	2
14,29	1	2
15,88	0	3
17,46	1	3
19,05	0	4
20,64	1	4

240

Application: for grooving cuts or for rebating, chamfering, grooving and profiling as a set of tools.
Machines: double-end tenoners and moulding machines.
Material: soft and hardwood, wood-based panels, plastic.





The new design allows multi-rip grooves using different kerf thickness.

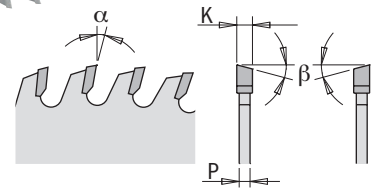
D mm	B mm		Z	K mm	P mm	α	β		ORDER NO.
150	30		12	2,0	1,4	15°	FLAT	1	**240.020.06M**
150	35		12	2,0	1,4	15°	FLAT	1	**240.020.06R**
150	30		12	3,0	2,0	15°	FLAT	1	**240.030.06M**
150	35		12	3,0	2,0	15°	FLAT	1	**240.030.06R**
150	30		12	4,0	3,0	15°	FLAT	1	**240.040.06M**
150	35		12	4,0	3,0	15°	FLAT	1	**240.040.06R**
150	30		12	5,0	3,0	15°	FLAT	1	**240.050.06M**
150	35		12	5,0	3,0	15°	FLAT	1	**240.050.06R**
150	30		12	6,0	3,0	15°	FLAT	1	**240.060.06M**
150	35		12	6,0	3,0	15°	FLAT	1	**240.060.06R**
180	30		18	3,0	2,0	15°	FLAT	1	**240.030.07M**
180	35		18	3,0	2,0	15°	FLAT	1	**240.030.07R**
180	30		18	4,0	3,0	15°	FLAT	1	**240.040.07M**
180	35		18	4,0	3,0	15°	FLAT	1	**240.040.07R**
180	30		18	5,0	3,0	15°	FLAT	1	**240.050.07M**
180	35		18	5,0	3,0	15°	FLAT	1	**240.050.07R**
180	30		18	6,0	3,0	15°	FLAT	1	**240.060.07M**
180	35		18	6,0	3,0	15°	FLAT	1	**240.060.07R**

Grooving Saw Blades *Industrial Line*

new

240

Application: for grooving cuts and rebating.
Machines: double-ended tenoners and moulding and CNC machines.
Material: soft and hardwood and wood-based panels.



Suitable for these CNC chucks

183.410.30

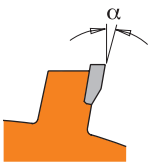
183.420.30

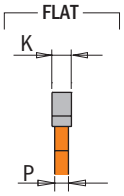
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
150	30	4/6,5 - 12/48	36	3	2,2	5°	5°ATB	1	**240.150.030M**
150	30	4/6,5 - 12/48	36	4	3,0	5°	5°ATB	1	**240.150.040M**
150	30	4/6,5 - 12/48	36	5	3,0	5°	5°ATB	1	**240.150.050M**
150	30	4/6,5 - 12/48	36	6	3,0	5°	5°ATB	1	**240.150.060M**

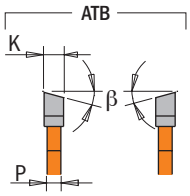
Biscuit Joiner Saw Blades

240-241

CMT's 100mm biscuit joiner saw blades featuring our trademark orange PTFE industrial coating make biscuit joints quickly and easily. These blades fit the most popular biscuit joint models on the market such as Lamello®, Dewalt®, Porter-Cable®, Skil®, Bosch®, Freud®.







EXCELLENT

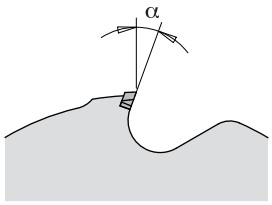
D mm	B mm	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
100	22	4/4,5 - 9,5/36	6	3,96	3,0	18°	10°ATB	10	**240.006.04**
100	22	4/4,5 - 9,5/36	8	3,96	3,0	15°	10°ATB	10	**240.008.04**
100*	22	-	8	3,96	3,1-3,8	15°	FLAT	10	**241.008.04**

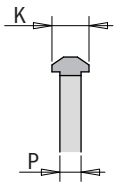
*** For Virutex® Machines**

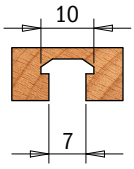
Grooving Saw Blades

240

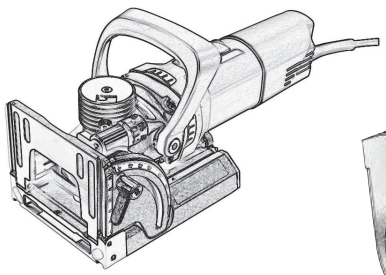
Application: P-System for connecting fittings. The connecting fitting is a preferred solution for open shelf units, large pieces of furniture and angled counters, and a popular choice as a general glueing aid for a variety of angles. Frequently used as a visually appealing and premium quality solid joint for high-end products.
- Knock down fitting for furniture, shelf units, fitted wardrobes, kitchen manufacturing etc.;
- Glueing aid for mitres and 45° angles;
- Connecting fittings for removable elements in trade booth construction and shopfitting projects;
- Great alternative to standard connecting fittings;
- Quick and easy prototype construction prior to launch of new furniture range;
- On-site adjustments and assembly.



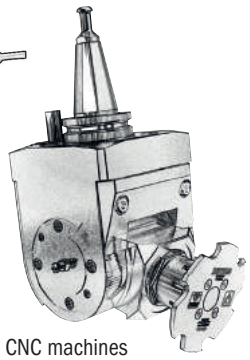




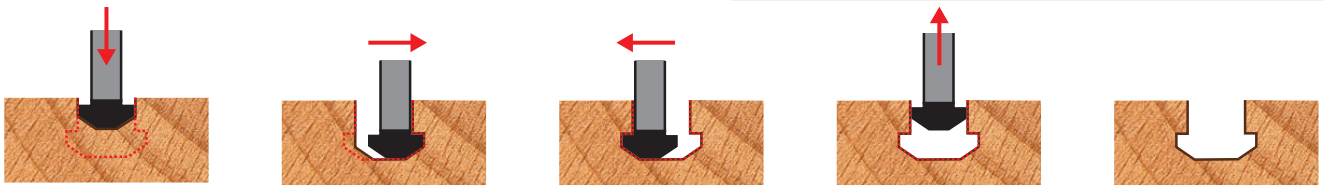
Machines



Lamello® Zeta P2



CNC machines



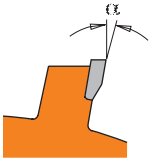
D mm	B mm	TEETH MATERIAL	Machine	Pin Hole	Z	K mm	P mm	α	β		ORDER NO.
100,4	22	DP	Zeta P2	4/4,5 - 9,5/36	3	7	4	20°	TCG	1	**240.601.04**
100,4	30	DP	CNC	4/6,6 - 12/48	3	7	4	20°	TCG	1	**240.601.04M**
100,4	30	HW	CNC	4/6,6 - 12/48	6	7	4	20°	TCG	1	**240.001.04***

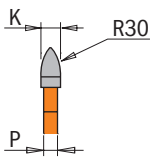
*** PTFE Coated**

Circular Saw Blade for Patch Work & Repair

240.004.04

The CMT circular saw blade for patch work and repair is ideal for any tyoe of repair work required on solid wood. Resin, knots and other unsightly wood defects are no longer a problem. Cut points using original patches remain practically invisible because wood and patch grains will match up perfectly.
For use with Lamello® and other machines designed for patch work and repair.





D mm	B mm	Machine	Z	K mm	P mm	α	β		Order No.
100	22	Fit Lamello®	4	8,0	6,0	18°	R30	10	**240.004.04**

Calibration & Sanding Disks

299.11

If you're looking for fast and easy saw alignment and balancing, the cut calibration and sanding disk is for you. First, mount your calibration and sanding disk in your table saw and line it up with a square for accuracy. Then, remove the calibration and sanding disk and mount your saw blade for true precise cuts. You can also use the calibration and sanding disk as a sander by simply attaching self-stick sandpaper and installing the disk in your table saw.

D mm	B mm	P mm		Order No.
200	15,87	2,8	10	**299.111.00**
200	30	2,8	10	**299.111.00M**
250	15,87	2,8	10	**299.112.00**
250	30	2,8	10	**299.112.00M**

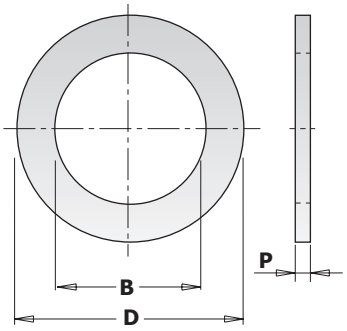
Saw Blades Stabilizers

299.10

The CMT blade stabilizer virtually eliminates rim vibration to make cleaner, straighter cuts and extend the life of your CMT saw blade. It also helps lessen noise caused by vibration during cutting. **Note: for use on stationary saws only. Each order includes 2 stabilizers.**

Description	D mm	B mm	P mm		Order No.
Stabilizer (2 pcs.) for Ø200mm	75	15,87	3,0	5	**299.101.00**
Stabilizer (2 pcs.) for Ø200mm	75	30	3,0	5	**299.101.00M**
Stabilizer (2 pcs.) for Ø250mm	125	15,87	3,0	5	**299.102.00**
Stabilizer (2 pcs.) for Ø250mm	125	30	3,0	5	**299.102.00M**
Stabilizer (2 pcs.) for Ø300mm	152	25,4	3,0	5	**299.103.00**
Stabilizer (2 pcs.) for Ø300mm	152	30	3,0	5	**299.103.00M**

Reduction Rings for Saw Blades



299

D mm	B mm	P mm		Order No.	D mm	B mm	P mm		Order No.
15,87	10	1,2	10	**299.218.00**	30	15	1,4	10	**299.240.00**
15,87	12,7	1,2	10	**299.217.00**	30	15,87	1,4	10	**299.211.00**
20	12,7	1,2	10	**299.221.00**	30	16	1,4	10	**299.223.00**
20	15,87	1,4	10	**299.243.00**	30	16	2,0	10	**299.226.00**
20	16	1,2	10	**299.222.00**	30	18	1,4	10	**299.232.00**
20	18	1,4	10	**299.236.00**	30	19,05	1,4	10	**299.241.00**
22,2	15	1,4	10	**299.237.00**	30	20	1,4	10	**299.224.00**
22,2	16	1,4	10	**299.242.00**	30	22	1,4	10	**299.231.00**
22,2	20	1,4	10	**299.238.00**	30	20	2,0	10	**299.227.00**
25,4	15,87	1,4	10	**299.216.00**	30	25	1,4	10	**299.225.00**
25,4	19,05	1,4	10	**299.213.00**	30	25	2,0	10	**299.228.00**
25,4	20	1,4	10	**299.214.00**	30	25,4	2,0	10	**299.212.00**
25,4	20	2,3	10	**299.220.00**	32	30	2,0	10	**299.229.00**
25,4	22	1,4	10	**299.215.00**	35	30	2,0	10	**299.230.00**
25,4	22,2	1,4	10	**299.239.00**	35	32	2,0	10	**299.233.00**
25,4	22,2	2,3	10	**299.219.00**					

D mm	B mm	Materials/Application	Z	K mm	P mm	α	β	ORDER NO.	Page
70	20	Two-Sided Melamine	8+8	2,8-3,6		12°	FLAT	289.070.16H	23
80	20	Two-Sided Melamine	12	3,1-4,0	2,2	10°	CO+FTG	S288.080.12H	24
80	20	Two-Sided Melamine	10+10	2,8-3,6		12°	FLAT	289.080.20H	23
85	15	Wood	24	1,1	0,7	12°	15° ATB	K02403	36
85	15	Abrasive Materials	6	1,8	1,4	12°	TCG	236.085.06G	33
100	20	Two-Sided Melamine	20	3,1-4,0	2,5	5°	CO+5° ATB	288.100.20H	24
100	20	Two-Sided Melamine	10+10	2,8-3,6		12°	FLAT	289.100.20H	23
100	20	Two-Sided Melamine	10+10	2,8-3,6		11°	ATB	289.700.20H	23
100	22	Grooving	4	8	6	18°	R30	240.004.04	39
100	22	Grooving	6	3,96	3	18°	10°ATB	240.006.04	38
100	22	Grooving	8	3,96	3	15°	10°ATB	240.008.04	38
100	22	Grooving	8	3,96	3,1-3,8	15°	FLAT	241.008.04	38
100	22	Two-Sided Melamine	20	3,1-4,0	2,5	5°	CO+5° ATB	288.100.20K	24
100	22	Two-Sided Melamine	10+10	2,8-3,6		12°	FLAT	289.100.20K	23
100,4	22	Grooving	3	7	4	20°	TCG	240.601.04	39
100,4	30	Grooving	3	7	4	20°	TCG	240.601.04M	39
100,4	30	Grooving	6	7	4	20°	TCG	240.001.04	39
120	20	Wood & Plywood	18	1,8	1,2	15°	15° ATB	291.120.18H	34
120	20	Two-Sided Melamine	20	3,1-3,7		5°	CONICAL	238.120.20H	22
120	20	Two-Sided Melamine	24	3,1-4,0	2,5	5°	CO+5° ATB	288.120.24H	24
120	20	Two-Sided Melamine	24	3,4-4,2	2,5	5°	CO+5° ATB	288.120.24H1	24
120	20	Two-Sided Melamine	24	3,1-4,3	2,2	0°	CO+6° ATB	288.720.24H	24
120	20	Wood & Derivatives	36	1,8	1,2	10°	15° ATB	292.120.36H	35
120	20	Aluminium	36	1,8	1,2	-6° Neg.	TCG	296.120.36H	27
120	20	Wood & Derivatives	40	1,8	1,2	10°	15° ATB	292.120.40H	35
120	20	Two-Sided Melamine	12+12	2,8-3,6		12°	FLAT	289.120.24H	23
120	20	Two-Sided Melamine	12+12	2,8-3,6		11°	5° ATB	289.720.24H	23
120	22	Two-Sided Melamine	24	3,1-4,0	2,5	5°	CO+5° ATB	288.120.24K	24
120	22	Two-Sided Melamine	24	3,1-4,3	2,2	0°	CO+6° ATB	288.720.24K	24
120	22	Two-Sided Melamine	12+12	2,8-3,6		12°	FLAT	289.120.24K	23
120	22	Two-Sided Melamine	12+12	2,8-3,6		11°	5° ATB	289.720.24K	23
120	50	Two-Sided Melamine	12+12	2,8-3,6		12°	FLAT	289.120.24T	23
125	20	Two-Sided Melamine	20	3,1-3,7		5°	CONICAL	238.125.20H	22
125	20	Wood & Plywood	20	2,4	1,4	15°	15° ATB	291.125.20H	34
125	20	Two-Sided Melamine	24	3,1-4,0	2,5	5°	CO+5° ATB	288.125.24H	24
125	20	Two-Sided Melamine	24	3,4-4,2	2,5	5°	CO+5° ATB	288.125.24H1	24
125	20	Two-Sided Melamine	24	4,3-5,5	3,2	10°	CO+FTG	288.125.24H2	24
125	20	Two-Sided Melamine	24	3,1-4,3	2,2	0°	CO+6° ATB	288.725.24H	24
125	20	Wood & Derivatives	36	2,4	1,4	15°	15° ATB	292.125.36H	35
125	20	Two-Sided Melamine	12+12	2,8-3,6		12°	FLAT	289.125.24H	23
125	20	Two-Sided Melamine	12+12	2,8-3,6		11°	5° ATB	289.725.24H	23
125	22	Two-Sided Melamine	24	3,1-4,0	2,5	5°	CO+5° ATB	288.125.24K	24
125	22	Two-Sided Melamine	12+12	2,8-3,6		12°	FLAT	289.125.24K	23
125	22,23	Abrasive Materials	7	2,0	1,4	5°	TCG	236.125.07	33
125	45	Two-Sided Melamine	24	4,3-5,5	3,2	10°	CO+FTG	288.125.24Q	24
130	20	Wood & Plywood	20	2,4	1,4	15°	15° ATB	291.130.20H	34
130	20	Wood & Derivatives	36	2,4	1,4	15°	15° ATB	292.130.36H	35
136	20	Wood	18	1,5	1	15°	15° ATB	K13618H-X10	36
136	20 (+10)	Wood	18	1,5	1	20°	10° ATB + 8° Shear	271.136.18H	30, 32
136	20 (+10)	Wood & Plywood	36	1,5	1	18°	10° ATB + 8° Shear	272.136.36H	31
136,5	10	Metal & Steel	30	1,5	1,2	0°	8° FWF	226.030.05	28, 32
136,5	20	Metal & Steel	30	1,5	1,2	0°	8° FWF	226.030.05H	28, 32
140	16	Two-Sided Melamine	24	3,1-4,0	2,2	10°	CO+FTG	Y288.140.24E	24
140	20	Wood & Plywood	20	2,4	1,4	15°	15° ATB	291.140.20H	34
140	20	Wood & Derivatives	36	2,4	1,4	15°	15° ATB	292.140.36H	35
150	15,87	Grooving & Dado	20	6,35-22,23	3,2-2,4-1,6	-5° Neg.	FTG+ATB	230.520.06	37
150	16	Wood & Plywood	24	2,4	1,4	15°	15° ATB	291.150.24E	34
150	20	Wood	12	2,4	1,4	20°	10° ATB	290.150.12H	33
150	20	Wood & Plywood	24	2,4	1,4	15°	15° ATB	291.150.24H	34
150	20	Metal & Steel	32	1,6	1,2	0°	8° FWF	226.032.06H	28
150	20	Wood & Derivatives	40	2,4	1,4	15°	15° ATB	292.150.40H	35
150	30	Grooving	12	2	1,4	15°	FLAT	240.020.06M	38
150	30	Grooving	12	3	2	15°	FLAT	240.030.06M	38
150	30	Grooving	12	4	3	15°	FLAT	240.040.06M	38
150	30	Grooving	12	5	3	15°	FLAT	240.050.06M	38
150	30	Grooving	12	6	3	15°	FLAT	240.060.06M	38
150	30	Wood & Derivatives	48	3,2	2,2	5°	15° ATB	285.048.06M	13
150	30	Grooving	36	3	2,2	5°	5° ATB	240.150.030M	38
150	30	Grooving	36	4	3	5°	5° ATB	240.150.040M	38

D mm	B mm	Materials/Application	Z	K mm	P mm	α	β	ORDER NO.	Page
150	30	Grooving	36	6	3	5°	5° ATB	240.150.060M	38
150	35	Grooving	12	2	1,4	15°	FLAT	240.020.06R	38
150	35	Grooving	12	3	2	15°	FLAT	240.030.06R	38
150	35	Grooving	12	4	3	15°	FLAT	240.040.06R	38
150	35	Grooving	12	5	3	15°	FLAT	240.050.06R	38
150	35	Grooving	12	6	3	15°	FLAT	240.060.06R	38
150	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.150.36Q	24
150	20 (+16)	Wood	24	1,5	1	18°	10° ATB + 8° Shear	271.150.24H	30
150	20 (+16)	Wood & Plywood	40	1,5	1	16°	10° ATB + 8° Shear	272.150.40H	31
160	16	Wood	12	2,2	1,6	20°	10° ATB	290.160.12E	33
160	16	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24E	34
160	16	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40E	35
160	20	Abrasive Materials	4	2,4	1,8	12°	TCG	236.160.04H	33
160	20	Abrasive Materials	10	2,4	1,8	5°	TCG	236.160.10H	33
160	20	Wood	12	2,2	1,6	20°	10° ATB	290.160.12H	33
160	20	Multi-Materials	20	2,2	1,6	10°	HR	235.160.20H	21
160	20	Aluminium	24	2,2	1,6	5°	TCG	284.160.24H	26
160	20	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24H	34
160	20	Wood	24	2,2	1,4	15°	15° ATB	K16024H	36
160	20	Wood	24	2,2	1,4	15°	15° ATB	K16024H-X10	36
160	20	Wood & Derivatives	28	2,2	1,6	15°	10° ATB	285.160.28H	12
160	20	Metal & Steel	30	2	1,6	0°	8° FWF	226.030.06H	28
160	20	Two-Sided Melamine	34	2,6	1,8	10°	HDF	287.034.06H	18
160	20	Stainless Steel	40	1,8	1,4	10°	8° FWF	226.540.06H	28
160	20	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40H	35
160	20	Aluminium	40	2,2	1,6	-6° Neg.	TCG	296.160.40H	27
160	20	Wood	40	2,2	1,4	10°	15° ATB	K16040H	36
160	20	Wood	40	2,2	1,4	10°	15° ATB	K16040H-X10	36
160	20	Wood & Derivatives	48	2,2	1,6	5°	15° ATB	285.160.48H	13
160	20	Solid Surface	48	2,2	1,6	0°	MTCG	223.048.06H	29
160	20	Two-Sided Melamine	48	2,2	1,6	10°	TCG	281.160.48H	19
160	20	Two-Sided Melamine	56	2,2	1,6	-3° Neg.	TCG	281.161.56H	19
160	20	Wood & Derivatives	56	2,2	1,6	15°	15° ATB	292.160.56H	35
160	20	Aluminium	56	2,2	1,6	-6° Neg.	TCG	296.160.56H	27
160	30	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24M	34
160	30	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40M	35
160	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.160.36Q	24
160	55	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.160.360	24
160	55	Two-Sided Melamine	36	4,7-6,0	3,5	10°	CO+FTG	Y288.160.3602	24
160	20 (+16)	Wood	24	1,8	1,2	18°	10° ATB + 8° Shear	271.160.24H	30
160	20 (+16)	Wood & Plywood	40	1,8	1,2	16°	10° ATB + 8° Shear	272.160.40H	31
160	20 (+16)	Aluminium & Melamine	48	1,8	1,2	-6° Neg.	TCG	276.160.48H	32
160	20 (+16)	Wood & Derivatives	56	1,8	1,2	12°	10° ATB + 8° Shear	273.160.56H	31
160	20 (Virutex)	Two-Sided Melamine	40	2,2	1,6	10°	TCG	281.160.40H	20
165	20	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.165.24H	34
165	20	Wood	24	1,7	1,1	15°	15° ATB	K16524H-X10	36
165	20	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06H	28
165	20	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.165.40H	35
165	20	Aluminium	40	2,2	1,6	-6° Neg.	TCG	296.165.40H	27
165	20	Wood & Derivatives	56	2,2	1,6	15°	15° ATB	292.165.56H	35
165	20	Two-Sided Melamine	56	2,2	1,6	-3° Neg.	TCG	281.166.56H	19
165	20	Aluminium	56	2,2	1,6	-6° Neg.	TCG	296.165.56H	27
165	30	Wood	24	1,7	1,1	18°	10° ATB + 8° Shear	271.165.24M	30, 32
165	30	Wood & Plywood	24	2,6	1,6	15°	15° ATB	291.165.24M	34
165	30	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06M	28
165	30	Wood & Derivatives	40	2,6	1,6	10°	15° ATB	292.165.40M	35
165	15,87<>	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06	28, 32
165	20 (+15,87)	Abrasive Materials	4	1,8	1,4	12°	TCG	236.165.04H	33
165	20 (+15,87)	Abrasive Materials	10	1,8	1,4	5°	TCG	236.165.10H	33
165	20 (+15,87)	Wood	24	1,7	1,1	18°	10° ATB + 8° Shear	271.165.24H	30, 32
165	20 (+15,87)	Wood & Plywood	36	1,7	1,1	20°	10° ATB + 8° Shear	272.165.36H	30, 32
170	30	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.170.24M	34
170	30	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.170.40M	35
180	20	Abrasive Materials	4	2,4	1,8	12°	TCG	236.180.04H	33
180	20	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.180.24H	34
180	20	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	Y288.180.36H	24
180	20	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.180.40H	35
180	20	Aluminium	40	2,8	2,2	-6° Neg.	TCG	296.180.40H	27
180	30	Wood	12	2,6	1,6	20°	10° ATB	290.180.12M	33

D mm	B mm	Materials/Application	Z	K mm	P mm	α	β	ORDER NO.	Page
180	30	Grooving	18	3	2	15°	FLAT	240.030.07M	38
180	30	Grooving	18	4	3	15°	FLAT	240.040.07M	38
180	30	Grooving	18	5	3	15°	FLAT	240.050.07M	38
180	30	Grooving	18	6	3	15°	FLAT	240.060.07M	38
180	30	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.180.24M	34
180	30	Two-Sided Melamine	36	4,4-5,3	3,2	10°	CO+FTG	288.180.36M	24
180	30	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.180.40M	35
180	30	Wood & Derivatives	56	3,2	2,2	5°	15° ATB	285.056.07M	13
180	35	Grooving	18	3	2	15°	FLAT	240.030.07R	38
180	35	Grooving	18	4	3	15°	FLAT	240.040.07R	38
180	35	Grooving	18	5	3	15°	FLAT	240.050.07R	38
180	35	Grooving	18	6	3	15°	FLAT	240.060.07R	38
180	40	Multi-Rip	21+3	2,5	1,8	18°	FLAT	280.021.07S	10
180	45	Two-Sided Melamine	36	4,8-5,6	3,5	10°	CO+FTG	288.180.36Q	24
180	45	Two-Sided Melamine	36	4,3-5,5	3,2	8°	CO+5° ATB	288.180.36Q2	24
180	50	Two-Sided Melamine	44	4,3-5,5	3,2	10°	CO+FTG	288.180.44T	24
180	55	Two-Sided Melamine	36	5,0-6,2	3,5	10°	CO+FTG	288.180.360	24
184	16	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.184.24E	34
184	16	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.184.40E	35
184	30	Wood	24	1,7	1,1	20°	10° ATB + 8° Shear	271.184.24M	30
184	30	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.184.24M	34
184	30	Wood & Plywood	40	1,7	1,1	18°	10° ATB + 8° Shear	272.184.40M	31
184	30	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.184.40M	35
184	15,87<>	Metal & Steel	48	2	1,6	0°	8° FWF	226.048.07	28
184	15,87<>	Stainless Steel	48	2	1,6	10°	8° FWF	226.548.07	28
184	20 (+16+15,87)	Wood	24	1,7	1,1	20°	10° ATB + 8° Shear	271.184.24H	30, 32
184	20 (+16+15,87)	Wood & Plywood	40	1,7	1,1	18°	10° ATB + 8° Shear	272.184.40H	30, 32
184	20 (+16+15,87)	Aluminium & Melamine	48	1,8	1,2	-6° Neg.	TCG	276.184.48H	32
190	16	Wood	12	2,6	1,6	20°	10° ATB	290.190.12E	33
190	16	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.190.24E	34
190	16	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.190.40E	35
190	20	Wood	12	2,6	1,6	20°	10° ATB	290.190.12H	33
190	20	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.190.24H	34
190	20	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.190.40H	35
190	30	Abrasive Materials	4	2,4	1,8	12°	TCG	236.190.04M	33
190	30	Abrasive Materials	12	2,4	1,8	12°	TCG	236.190.12M	33
190	30	Wood	12	2,6	1,6	20°	10° ATB	290.190.12M	33
190	30	Multi-Materials	24	2,5	2	10°	HR	235.190.24M	21
190	30	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.190.24M	34
190	30	Wood	24	2,2	1,4	20°	10° ATB	K19024M	36
190	30	Wood	24	2,2	1,4	20°	10° ATB	K19024M-X10	36
190	30	Aluminium	30	2,6	2,2	5°	TCG	284.190.30M	26
190	30	Metal & Steel	40	2	1,6	0°	8° FWF	226.040.07M	28
190	30	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.190.40M	35
190	30	Aluminium	40	2,8	2,2	-6° Neg.	TCG	296.190.40M	27
190	30	Wood	40	2,2	1,4	15°	10° ATB	K19040M	36
190	30	Stainless Steel	48	1,8	1,4	10°	8° FWF	226.548.07M	28
190	30	Wood & Derivatives	64	2,6	1,6	15°	15° ATB	292.190.64M	35
190	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.190.64M	27
190	20 (Festool® FF)	Wood & Plywood	32	2,6	1,8	10°	10° ATB	291.190.32FF	34
190	20 (Festool® FF)	Wood & Derivatives	48	2,4	1,8	10°	15° ATB	292.190.48FF	35
190	20 (Festool® FF)	Two-Sided Melamine	54	2,6	1,8	4°	TCG	281.190.54FF	19
190	20 (Festool® FF)	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.190.64FF	27
190	20 (+20+16)	Aluminium & Melamine	64	1,8	1,2	-6° Neg.	TCG	276.190.64M	32
190	30 (+20+16)	Wood	24	1,7	1,1	20°	10° ATB + 8° Shear	271.190.24M	30
190	30 (+20+16)	Wood & Plywood	42	1,7	1,1	18°	10° ATB + 8° Shear	272.190.42M	31
190	30 (+20+16)	Wood & Derivatives	64	1,7	1,1	15°	10° ATB + 8° Shear	273.190.64M	31
200	15,87	Grooving & Dado	12	3,2-1,6	6,35-20,64	-12° Neg.	FTG+ATB	230.012.08	37
200	15,87	Grooving & Dado	24	6,35-22,23	3,2-2,4-1,6	-5°Neg.	FTG+ATB	230.524.08	37
200	20	Two-Sided Melamine	36	4,4-5,3	3,2	10°	CO+FTG	288.200.36H	24
200	30	Grooving & Dado	24	6,35-22,23	3,2-2,4-1,6	-5° Neg.	FTG+ATB	230.524.08M	37
200	30	Wood	24	2,8	1,8	20°	10° ATB	290.200.24M	33
200	30	Wood	36	1,8	1,2	15°	10° ATB + 8° Shear	271.200.36M	30
200	30	Wood & Derivatives	36	3,2	2,2	15°	10° ATB	285.036.08M	12
200	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.200.36M	34
200	30	Wood & Plywood	48	1,8	1,2	15°	10° ATB + 8° Shear	272.200.48M	31
200	30	Wood & Derivatives	48	3,2	2,2	15°	15° ATB	285.048.08M	12
200	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.200.48M	35
200	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.200.48M	27

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200	30	Two-Sided Melamine	64	3,2	2,2	10°	TCG	281.064.08M	19
200	30	Wood & Derivatives	64	3,2	2,2	5°	15° ATB	285.064.08M	13
200	40	Multi-Rip	21+3	2,5	1,8	18°	FLAT	280.021.08S	10
200	45	Two-Sided Melamine	36	4,7-6,0	3,5	10°	CO+FTG	288.200.36Q	24
200	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	Y288.200.36Q2	24
200	65	Two-Sided Melamine	36	4,4-5,3	3,2	10°	CO+FTG	288.200.36J	24
210	25	Wood	24	2,8	1,8	20°	10° ATB	290.210.24L	33
210	25	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.210.36L	34
210	25	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.210.48L	35
210	30	Abrasive Materials	12	2,4	1,8	12°	TCG	236.210.12M	33
210	30	Wood	24	2,8	1,8	20°	10° ATB	290.210.24M	33
210	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.210.36M	34
210	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.08M	28
210	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.210.48M	35
210	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.210.48M	27
210	30	Wood & Derivatives	64	2,8	1,8	15°	15° ATB	292.210.64M	35
210	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.210.64M	27
210	15,87<>	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.08	28
210	30 (+25)	Wood	24	1,8	1,2	20°	10° ATB + 8° Shear	271.210.24M	30
210	30 (+25)	Wood	36	1,8	1,2	15°	10° ATB + 8° Shear	271.210.36M	30
210	30 (+25)	Wood & Plywood	48	1,8	1,2	15°	10° ATB + 8° Shear	272.210.48M	31
210	30 (+25)	Aluminium & Melamine	64	1,8	1,2	-6° Neg.	TCG	276.210.64M	32
215	50	Two-Sided Melamine	42	4,3-5,5	3,2	10°	CO+FTG	288.215.42T	24
216	30	Abrasive Materials	14	2,4	1,8	12°	TCG	236.216.14M	33
216	30	Wood	24	2,8	1,8	-5° Neg.	15° ATB	290.216.24M	33
216	30	Wood	24	2,4	1,6	-5° Neg.	15° ATB	K21624M	36
216	30	Wood	24	2,4	1,6	-5° Neg.	15° ATB	K21624M-X10	36
216	30	Multi-Materials	30	2,5	2	10°	HR	235.216.30M	21
216	30	Wood	36	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	271.216.36M	30
216	30	Aluminium	40	2,6	2,2	5°	TCG	284.216.40M	26
216	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.047.09M	28
216	30	Wood & Plywood	48	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	272.216.48M	31
216	30	Wood & Plywood	48	2,8	1,8	-5° Neg.	15° ATB	291.216.48M	34
216	30	Wood	48	2,4	1,6	-5° Neg.	15° ATB	K21648M	36
216	30	Wood	48	2,4	1,6	-5° Neg.	15° ATB	K21648M-X10	36
216	30	Stainless Steel	56	1,8	1,4	10°	8° FWF	226.556.09M	28
216	30	Wood & Derivatives	64	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	273.216.64M	31
216	30	Aluminium & Melamine	64	2,2	1,6	-6° Neg.	TCG	276.216.64M	32
216	30	Wood & Derivatives	64	2,8	1,8	-5° Neg.	15° ATB	292.216.64M	35
216	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	297.064.09M	27
216	30	Wood & Derivatives	80	2,8	1,8	-5° Neg.	15° ATB	292.216.80M	35
216	30	Aluminium	80	2,8	2,2	-6° Neg.	TCG	297.080.09M	27
220	30	Wood	24	2,8	1,8	20°	10° ATB	290.220.24M	33
220	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.220.36M	34
220	30	Two-Sided Melamine	42	3,2	2,2	10°	HDF	287.042.09M	18
220	30	Two-Sided Melamine	42	3,2	2,2	-6° Neg.	HDF	287.043.09M	17
220	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.220.48M	35
220	30	Two-Sided Melamine	63	3,2	2,2	-3° Neg.	FFT	281.063.09M	19
220	30	Two-Sided Melamine	64	3,2	2,2	10°	TCG	281.064.09M	19
220	30	Two-Sided Melamine	64	3,2	2,2	-5° Neg.	40° ATB	283.064.09M	15
225	30	Wood & Plywood	36	2,8	1,8	20°	15° ATB	291.225.36M	34
225	30	Wood & Derivatives	48	2,8	1,8	10°	15° ATB	292.225.48M	35
225	30	Two-Sided Melamine	64	2,6	1,8	4°	TCG	281.225.64M	19
225	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.225.64M	27
230	30	Abrasive Materials	4	2,4	1,8	12°	TCG	236.230.04M	33
230	30	Wood	24	2,8	1,8	20°	10° ATB	290.230.24M	33
230	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.230.36M	34
230	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.230.48M	35
230	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.230.48M	27
230	30	Wood & Derivatives	64	2,8	1,8	15°	15° ATB	292.230.64M	35
235	25	Wood	24	2,8	1,8	20°	10° ATB	290.235.24L	33
235	25	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.235.36L	34
235	25	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.235.48L	35
235	30	Wood	24	2,8	1,8	20°	10° ATB	290.235.24M	33
235	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.235.36M	34
235	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.09M	28
235	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.235.48M	35
235	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.235.48M	27
235	30 (+25)	Wood	36	2,4	1,6	18°	10° ATB + 8° Shear	271.235.36M	30

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235	30 (+25)	Wood & Plywood	48	2,4	1,6	18°	10° ATB + 8° Shear	272.235.48M	31
240	30	Wood	24	2,8	1,8	20°	10° ATB	290.240.24M	33
240	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.240.36M	34
240	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.240.48M	35
250	20	Garden	20	2,2	1,4	15°	10° ATB	298.250.20H	32
250	20	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10H	12
250	25,4	Garden	20	2,2	1,4	15°	10° ATB	298.250.20	32
250	30	Abrasive Materials	16	2,4	1,8	12°	TCG	236.250.16M	33
250	30	Construction Materials	16	2,8	1,8	15°	5° ATB	286.016.10M	11
250	30	Wood	24	2,4	1,6	20°	10° ATB + 8° Shear	271.250.24M	30
250	30	Wood	24	2,8	1,8	20°	10° ATB	290.250.24M	11, 33
250	30	Wood	24	2,6	1,8	20°	10° ATB	K25024M	36
250	30	Multi-Materials	36	2,5	2	10°	HR	235.250.36M	21
250	30	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10M	15
250	30	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.640.10M	14
250	30	Wood	40	2,6	1,8	15°	10° ATB	K25040M	36
250	30	Wood	40	2,6	1,8	15°	10° ATB	K25040M-X05	36
250	30	Wood	42	2,4	1,6	18°	10° ATB + 8° Shear	271.250.42M	30
250	30	Two-Sided Melamine	48	3,2	2,2	10°	45° TCG	237.048.10M	22
250	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.10M	12
250	30	Two-Sided Melamine	48	3,2	2,2	10°	HDF	287.048.10M	17
250	30	Two-Sided Melamine	48	3,2	2,2	-6° Neg.	HDF	287.049.10M	16
250	30	Two-Sided Melamine	48	3,2	2,2	10°	HDF	287.648.10M	17
250	30	Wood & Plywood	60	2,4	1,6	15°	10° ATB + 8° Shear	272.250.60M	31
250	30	Two-Sided Melamine	60	3,2	2,2	10°	TCG	281.060.10M	20, 25
250	30	Two-Sided Melamine	60	3,2	2,2	-3° Neg.	FFT	281.061.10M	19
250	30	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.060.10M	12
250	30	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.660.10M	14
250	30	Solid Surface	72	3,2	2,5	0°	MTCG	223.072.10M	29
250	30	Stainless Steel	72	2,2	1,8	10°	8° FWF	226.572.10M	28
250	30	Two-Sided Melamine	78	3,2	2,2	10°	FFT	295.078.10M	18
250	30	Aluminium & Melamine	80	2,6	1,8	-6° Neg.	TCG	276.250.80M	32
250	30	PVC, Plexiglass	80	2,8	2,2	-3° Neg.	MATB	222.080.10M	29
250	30	Wood & Derivatives	80	2,4	1,6	12°	10° ATB + 8° Shear	273.250.80M	31
250	30	Multi-Materials	80	3,2	2,2	15°	1FTG+4ATB	274.080.10M	16
250	30	Two-Sided Melamine	80	3,2	2,2	10°	TCG	281.080.10M	20, 25
250	30	Two-Sided Melamine	80	3,2	2,2	5°	TCG	281.680.10M	18
250	30	Two-Sided Melamine	80	3,2	2,2	-2° Neg.	40° ATB	283.080.10M	15
250	30	Two-Sided Melamine	80	3,2	2,2	-2° Neg.	38° ATB	283.680.10M	15
250	30	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.080.10M	13
250	30	Wood & Derivatives	80	3	2,5	10°	20° ATB	285.580.10M	13
250	30	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.680.10M	14
250	30	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10M	27
250	30	Two-Sided Melamine	80	3,2	2,2	-3° Neg.	TCG	281.681.10M	19
250	30	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10M	9
250	32	Aluminium	80	3,2	2,5	5°	TCG	284.080.10P	26
250	32	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10P	27
250	35	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10R	12
250	35	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.060.10R	12
250	35	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.080.10R	13
250	70	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10V	9
250	70	Multi-Rip	20+4	2,7	1,8	18°	10° ATB	280.020.10V	10
250	80	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10W	9
250	80	Multi-Rip	20+4	2,7	1,8	18°	10° ATB	280.020.10W	10
254	15,87	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.10	28
254	15,87	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.10	28
254	15,87	Stainless Steel	72	2,2	1,8	10°	8° FWF	226.572.10	28
254	30	Wood & Plywood	48	2,4	1,8	- 5° Neg.	15° ATB	294.048.10M	12
254	30	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.10M	28
254	30	Wood & Plywood	60	2,4	1,8	- 5° Neg.	15° ATB	294.060.10M	12
254	30	Aluminium	80	3,2	2,5	-5° Neg.	TCG	297.081.10M	27
260	30	Wood	28	2,8	1,8	20°	10° ATB	290.260.28M	11, 33
260	30	Wood & Derivatives	48	2,8	1,8	15°	10° ATB	285.048.11M	12
260	30	Wood & Derivatives	60	2,8	1,8	10°	15° ATB	285.060.11M	12
260	30	Wood & Plywood	60	2,5	1,8	-5° Neg.	15° ATB	294.060.11M	12
260	30	Two-Sided Melamine	64	2,5	1,8	-3° Neg.	TCG	281.065.11M	19
260	30	Wood & Derivatives	80	2,5	1,8	-5° Neg.	15° ATB	294.080.11M	13
260	30	Aluminium	80	2,8	2,2	-6° Neg.	TCG	297.080.11M	27
270	30	Wood	28	2,8	1,8	20°	10° ATB	290.270.28M	11, 33

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270	30	Wood & Plywood	42	2,8	1,8	15°	15° ATB	291.270.42M	12, 34
275	20	Wood & Derivatives	42	3,2	2,2	15°	10° ATB	285.042.11H	12
280	30	Wood & Plywood	64	2,8	1,8	10°	15° ATB	295.064.11M	12
280	30	Aluminium	64	3,2	2,5	-6° Neg.	TCG	297.064.11M	27
300	20	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12H	12
300	30	Abrasive Materials	20	2,4	1,8	12°	TCG	236.300.20M	33
300	30	Construction Materials	20	2,8	1,8	15°	5° ATB	286.020.12M	11
300	30	Wood	24	2,6	1,8	22°	10° ATB + 8° Shear	271.300.24M	30
300	30	Wood	24	3,2	2,2	20°	10° ATB	293.024.12M	11
300	30	Multi-Rip	28	3,2	2,2	18°	10° ATB	278.028.12M	9
300	30	Wood & Derivatives	36	3,2	2,2	15°	10° ATB	285.036.12M	12
300	30	Multi-Materials	44	2,5	2	10°	HR	235.300.44M	21
300	30	Wood	48	2,6	1,8	18°	10° ATB + 8° Shear	271.300.48M	30
300	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12M	12
300	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.648.12M	14
300	30	Construction Materials	48	3,2	2,2	15°	10° ATB	286.048.12M	11
300	30	Two-Sided Melamine	60	3,2	2,2	10°	45° TCG	237.060.12M	22
300	30	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12M	25
300	30	Wood & Derivatives	60	3,2	2,2	15°	10° ATB	285.060.12M	12
300	30	Wood & Plywood	72	2,6	1,8	15°	10° ATB + 8° Shear	272.300.72M	31
300	30	Two-Sided Melamine	72	3,2	2,2	10°	TCG	281.072.12M	19, 25
300	30	Two-Sided Melamine	72	3,2	2,2	-3° Neg.	FFT	281.073.12M	19
300	30	Two-Sided Melamine	72	3,2	2,2	10°	TCG	281.672.12M	18
300	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.12M	12
300	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.672.12M	14
300	30	Stainless Steel	80	2,2	1,8	10°	8° FWF	226.580.12M	28
300	30	Solid Surface	84	3,2	2,5	0°	MTCG	223.084.12M	29
300	30	Aluminium & Melamine	96	2,8	2,0	-6° Neg.	TCG	276.300.96M	32
300	30	PVC, Plexiglass	96	2,8	2,2	-3° Neg.	MATB	222.096.12M	29
300	30	Two-Sided Melamine	96	3,2	2,2	15°	45° TCG	237.096.12M	22
300	30	Wood & Derivatives	96	2,6	1,8	12°	10° ATB + 8° Shear	273.300.96M	31
300	30	Two-Sided Melamine	96	3,2	2,2	10°	TCG	281.096.12M	19, 25
300	30	Two-Sided Melamine	96	3,2	2,2	-3° Neg.	TCG	281.697.12M	19
300	30	Two-Sided Melamine	96	3,2	2,2	5°	TCG	281.696.12M	18
300	30	Two-Sided Melamine	96	3,2	2,2	2°	40° ATB	283.096.12M	15
300	30	Two-Sided Melamine	96	3,2	2,2	2°	38° ATB	283.696.12M	15
300	30	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.096.12M	13
300	30	Wood & Derivatives	96	3	2,5	10°	20° ATB	285.596.12M	13
300	30	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.696.12M	14
300	30	Two-Sided Melamine	96	3,2	2,2	10°	FFT	295.096.12M	18
300	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.12M	27
300	30	Multi-Materials	100	3,2	2,2	15°	1FTG+4ATB	274.100.12M	16
300	30	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12M	9
300	30	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12M	10
300	32	Aluminium	96	3,2	2,5	5°	TCG	284.096.12P	26
300	32	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.12P	27
300	35	Wood	24	3,2	2,2	20°	10° ATB	293.024.12R	11
300	35	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12R	12
300	35	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.12R	12
300	35	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.096.12R	13
300	50	Two-Sided Melamine	48	4,3-5,5	3,2	10°	CO+FTG	288.300.48T	24
300	60	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12U	9
300	65	Two-Sided Melamine	72	4,3-5,5	3,2	10°	CO+FTG	288.300.72J	24
300	70	Multi-Rip	28	3,2	2,2	18°	10° ATB	278.028.12V	9
300	70	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12V	9
300	70	Multi-Rip	24+4	2,7	1,8	18°	10° ATB	280.024.12V	10
300	70	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12V	10
300	75	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12X	25
300	80	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12W	25
300	80	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12W	9
300	80	Multi-Rip	24+4	2,7	1,8	18°	10° ATB	280.024.12W	10
300	80	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12W	10
303	30	Two-Sided Melamine	60	3,2	2,2	10°	HDF	287.060.12M	17
303	30	Two-Sided Melamine	60	3,2	2,2	-6° Neg.	HDF	287.061.12M	16
303	30	Two-Sided Melamine	60	3,2	2,2	10°	HDF	287.660.12M	17
305	25,4	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.12	28
305	25,4	Metal & Steel	80	2,2	1,8	0°	8° FWF	226.080.12	28
305	25,4	Stainless Steel	80	2,2	1,8	10°	8° FWF	226.580.12	28
305	30	Wood	28	2,8	1,8	20°	10° ATB	293.028.22M	11

D mm	B mm	Materials/Application	Z	K mm	P mm	α	β	ORDER NO.	Page
305	30	Wood	40	2,8	2	-5° Neg.	10° ATB	K30540M	36
305	30	Wood & Plywood	54	2,8	1,8	-5° Neg.	15° ATB	294.054.22M	12
305	30	Wood	60	2,8	2	-5° Neg.	10° ATB	K30560M	36
305	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.22M	13
305	30	Wood & Plywood	72	3,2	2,2	-5° Neg.	15° ATB	294.072.22M	13
305	30	Metal & Steel	80	2,2	1,8	0°	8° FWF	226.080.12M	28
305	30	Aluminium & Melamine	96	2,8	2,0	-6° Neg.	TCG	276.305.96M	32
305	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.13M	27
315	30	Construction Materials	24	3,2	2,2	15°	5° ATB	286.024.13M	11
315	30	Wood	28	3,2	2,2	20°	10° ATB	293.028.12M	11
315	30	Wood	36	3,2	2,2	15°	5° ATB	285.036.13M	11
315	30	Wood & Plywood	54	3,2	2,2	15°	10° ATB	294.054.12M	12
315	30	Wood & Derivatives	72	3,2	2,2	15°	10° ATB	285.072.13M	13
315	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.23M	27
320	65	Two-Sided Melamine	60	4,4	3,2	16°	TCG	Y282.060.13J	25
320	65	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.13J	25
330	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.33M	27
330	32	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.33P	27
350	30	Construction Materials	24	3,2	2,2	15°	5° ATB	286.024.14M	11
350	30	Wood	28	3,5	2,5	20°	10° ATB	293.028.14M	11
350	30	Multi-Rip	36	3,5	2,5	18°	10° ATB	278.036.14M	9
350	30	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14M	25
350	30	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.054.14M	12
350	30	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.654.14M	14
350	30	Two-Sided Melamine	72	3,5	2,4	15°	45° TCG	237.072.14M	22
350	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14M	25
350	30	Wood & Derivatives	72	3,5	2,5	15°	10° ATB	285.072.14M	12
350	30	Two-Sided Melamine	84	3,5	2,5	10°	TCG	281.084.14M	19
350	30	Two-Sided Melamine	84	3,5	2,5	10°	TCG	281.684.14M	18
350	30	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.084.14M	12
350	30	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.684.14M	14
350	30	Two-Sided Melamine	108	3,5	2,5	10°	TCG	281.108.14M	19, 25
350	30	Two-Sided Melamine	108	3,5	2,5	5°	TCG	281.708.14M	18
350	30	Two-Sided Melamine	108	3,5	2,5	5°	40° ATB	283.108.14M	15
350	30	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.108.14M	13
350	30	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.708.14M	14
350	30	Two-Sided Melamine	108	3,5	2,5	10°	FFT	295.108.14M	18
350	30	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14M	27
350	30	Multi-Rip	24+6	4,2	2,8	18°	10° ATB	277.024.14M	10
350	30	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14M	9
350	32	Aluminium	92	3,2	2,5	5°	TCG	284.092.14P	26
350	32	Aluminium	108	3,2	2,5	5°	TCG	284.108.14P	26
350	32	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14P	27
350	35	Wood	28	3,5	2,5	20°	10° ATB	293.028.14R	11
350	35	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.054.14R	12
350	35	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.084.14R	12
350	35	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.108.14R	13
350	50	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14T	25
350	60	Two-Sided Melamine	72	4,4	3,2	16°	TCG	Y282.072.14U	25
350	60	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14U	9
350	70	Multi-Rip	36	3,5	2,5	18°	10° ATB	278.036.14V	9
350	70	Multi-Rip	24+6	4,2	2,8	18°	10° ATB	277.024.14V	10
350	70	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14V	9
350	75	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14X	25
350	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14X	25
350	80	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14W	25
350	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14W	25
350	80	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14W	9
355	25,4	Metal & Steel	72	2,2	1,8	0°	8° FWF	226.072.14	28
355	25,4	Metal & Steel	90	2,2	1,8	0°	8° FWF	226.090.14	28
355	25,4	Stainless Steel	90	2,2	1,8	10°	8° FWF	226.590.14	28
355	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	S282.03556	25
355	30	Metal & Steel	90	2,2	1,8	0°	8° FWF	226.090.14M	28
355	30	Stainless Steel	90	2,2	1,8	10°	8° FWF	226.590.14M	28
355	65	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14J2	25
380	60	Two-Sided Melamine	72	4,4	3,2	15°	TCG	282.072.15U2	25
380	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.15U	25
355	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14W2	25
380	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.15W	25

D mm	B mm	Materials/Application	Z	K mm	P mm	α	β	ORDER NO.	Page
400	30	Construction Materials	28	3,2	2,2	15°	5° ATB	286.028.16M	11
400	30	Wood & Derivatives	36	3,5	2,5	20°	10° ATB	285.036.16M	11
400	30	Wood & Derivatives	48	3,5	2,5	20°	10° ATB	285.048.16M	12
400	30	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16M	25
400	30	Wood & Derivatives	60	3,5	2,5	10°	15° ATB	285.060.16M	12
400	30	Wood & Derivatives	60	3,5	2,5	10°	15° ATB	285.660.16M	14
400	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16M	25
400	30	Wood & Derivatives	96	3,5	2,5	10°	15° ATB	285.096.16M	13
400	30	Wood & Derivatives	96	3,5	2,5	10°	15° ATB	285.696.16M	14
400	30	Wood & Derivatives	120	3,5	2,5	10°	15° ATB	285.120.16M	13
400	30	Aluminium	120	3,8	3,2	-6° Neg.	TCG	297.120.16M	27
400	30	Multi-Rip	28+6	4	2,8	18°	10° ATB	279.028.16M	9
400	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.16P	26
400	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.16P	27
400	60	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16U	25
400	70	Multi-Rip	28+6	4	2,8	18°	10° ATB	279.028.16V	9
400	75	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16X	25
400	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16X	25
400	80	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16W	25
400	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16W	25
420	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.17P	26
420	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.17W	25
430	65	Two-Sided Melamine	72	4,4	3,2	16°	TCG	Y282.072.17J	25
430	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.17X	25
430	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.17W2	25
450	30	Construction Materials	32	3,8	2,8	15°	5° ATB	286.032.18M	11
450	30	Wood & Derivatives	36	3,8	2,8	20°	10° ATB	285.036.18M	11
450	30	Wood & Derivatives	54	3,8	2,8	15°	15° ATB	285.054.18M	12
450	30	Wood & Derivatives	66	3,8	2,8	10°	15° ATB	285.066.18M	12
450	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	Y282.072.18M2	25
450	30	Aluminium	140	3,8	3,2	-6° Neg.	TCG	Y297.140.18M	27
450	30	Aluminium	108	3,8	3,2	5°	TCG	284.108.18M	26
450	30	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.18M	28
450	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.18P	28
450	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.18U	25
450	80	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.18W2	25
500	30	Construction Materials	36	3,8	2,8	15°	5° ATB	286.036.20M	11
500	30	Wood & Derivatives	44	4	2,8	20°	10° ATB	285.044.20M	11
500	30	Wood & Derivatives	60	3,8	2,8	15°	15° ATB	285.060.20M	12
500	30	Wood & Derivatives	72	3,8	2,8	10°	15° ATB	285.072.20M	12
500	30	Aluminium	120	4	3,2	-6° Neg.	TCG	297.120.20M	28
500	30	Aluminium	120	4	3,2	5°	TCG	284.120.20M	26
500	32	Aluminium	120	4	3,2	5°	TCG	284.120.20P	26
500	32	Aluminium	120	4	3,2	-6° Neg.	TCG	297.120.20P	27
500	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.20U	25
500	80	Two-Sided Melamine	72	4,8	3,5	16°	TCG	Y282.072.20W	25
550	30	Construction Materials	40	4,2	3,2	15°	5° ATB	286.040.22M	11
550	30	Wood & Derivatives	60	4,2	3,2	10°	15° ATB	285.060.22M	12
550	30	Wood & Derivatives	96	4,2	3,2	10°	15° ATB	285.096.22M	12
550	100	Two-Sided Melamine	72	5,2	3,5	16°	TCG	282.072.22A	25
600	30	Construction Materials	40	4,2	3,2	15°	5° ATB	286.040.24M	11
600	30	Wood & Derivatives	66	4,2	3,2	10°	15° ATB	285.066.24M	12
700	30	Construction Materials	46	4,4	3,2	15°	5° ATB	286.046.28M	11
700	30	Wood & Derivatives	72	4,4	3,2	10°	15° ATB	285.072.28M	12

Saw Blades for Portable Machines

CMT ORANGE TOOLS®

Machine	DxB mm
AEG	
HK 125	120x20
HK 125 A, HK 125 B, HK 125 H	125x20
TKS 42, PC 300	132x20
HK 40, TK 40, TKS 42	140x20
HK 86, HK 707	143x19
HK 45, HK 717, HK 727	150x19
AHK 52, HK 45 A, HK 46, HK 46 S, HK 46 N,	150x20
HKS 46, HKS 46 S, HKS 46 N, HK 50,	
HK 52, HKS 52, HK 737	
HK 55, HK 55 A, HK 55 B, HKS 55,	160x20
HK 160 A, HK 160B, KS 55 S, KS 55 SE	
HKS 64 A, HK 65, HK 65 A, HKS 65,	190x30
HKS 65 A, HK 66, HKE 66, HKS 66,	
HKSE 66, HK 190, K 66, K 66 E, K 66 S,	
K 66 SE, KS 65, KS 66 S	
HK 200	200x25
HK 201	200x30
HK 75, HK 75 A, HKS 75	210x30
HKS 35, HKS 85	230x30
HK 240	240x30
MK 65	280x30
ALKO	
Basic 205 GK	205x18
Pro 250 GK	250x20
Basic, HS 3, HS 4, Hobby, Holzmeister H,	315x30
Holzmeister S, Holzmeister NHS, Pro-X	
W 450, W 500 450x30	
W 50 Profi, W 450, W 500	500x30
RM 60, W 60	600x30
RM 70, RZ 70, TWM 70, TWZ 700, W 70	700x30
ALPHA-TOOLS	
KS 250	205x18
ATIKA	
Toptronic	250x30
ATK 315 H, BTA 90, HAT 315	315x30
ABH 400, ABK 400, BTH 400, BTK 400	400x30
ABH 450, ABK 450, ATU 450,	450x30
BTH 450, BTK 450, BTU 450, BWK 450	
ABH 500, ABK 500, BTH 500,	500x30
BTK 500, BTU 500, BWK 500	
AVOLA	
LH 315, TZV 315, TVZ 315 W	315x30
TZH 350, TZH 350 W 350 30, ZB 400,	450x30
ZBV 400 400 30IC 450, ZB 450, ZBV 450	
ZB 500, ZBV 500	500x30
BWS 550	550x30
KWK 600, RK 600	600x30
BWS 700, BWTS 700, KWK 700	700x30
BLACK & DECKER	
D 984, D 985, DN 55, DN 56,	125x12,75
DN 254, DN 984, DN 985	
KC 1440 SK	136x10
BD 227, BD 228, BD 846, CD 600, DN 227,	140x12,75
DN 227 H, KS 40, KS 227, KS 840, KS 846,	
P 3501	
P 88-09 (Akku, 12 V)	150x20
BD 228, BD 228 CK, BD 228 L,	156x12,75
DN 57, DN 228, SR 352, SR 352 E, P 3601	
BD 855, GKS 54 CE, KS 55, KS 855, KS 855 N,	160x16
M 336, M 975, M 976,U 336, U 975, U 976	
BD 229, BD 865, BD 865 E, DN 59, DN 229,	180x16
DN 820, GD 60, HD 100, HD 1000,	
HD 1200 P, HD 2062, KS 65 K, KS 865, KS	
865 E, KS 865 KN, SEC 718, SR	
300, SR 362 E, P 37-03, P 37-05	
HD 1200	180x20
BD 365	190x30
M 338, U 338	200x16
BD 88, BD 800, DN 800,	210x30
DN 810, HD 2075 S HD 20755,	
KS 800, KS 805, KS 810, KS 810 A,	
P 38-02, PS 174, SEC 818, SR 700	
BOSCH	
GUF 4-22 A, PSF 22 (Schatten-fugensäge)	105x20
PKS 38, PKS 40, PKS 40 S, S 43	130x16
1551, 1559	140x20
GKS 12 V, GKS 46, PKS 46,	150x16
PKS 416, PKS 48, S 1, S 33	
GKS 24 V, GKS 54, GKS 54 C,	160x16
GKS 54 CE, GKS 54 E, GKS 59,	
KS 550, PKS 54, PKS 54 CE	
1552, 1556, 1563, GKS 55	170x30
0550, 1550, 1553, 1557, 1560	180x30
P 300, PKS 65	190x16
0051, 1553, 1564, GKS 65, GKS 66,	190x30
GKS 66 CE, GKS 68 B, GKS 68 BC,	
GKS 68 CE, P 30, PKS 66, PKS 66 CE	
0551, 1561	200x30
1554, 1558, 1565, 1588, GKS 72 S	210x30
GCM 8 S	216x30
0052, 0552, 1562, 1566, 1662, GKS 85 S	230x30
1555	240x30
GCM 10, GCM 10 S, GCM 10	250x30
SD, GTS 10	250x30
GCM 12, GCM 12 S	305x30

Machine	DxB mm
CASAIS	
SC 650	150x20
VSC 65	200x30
HKS 2000	210x30
SC 320	230x30
DEWALT	
DW 935 K, DW 936 K	136x10
DW 351	150x20
DW 007 K, DW 007 KH	165x10
DC 390 KA, DC 390 KA/3, DC 390 KB	165x20
DW 62	184x16
DW 365	190x30
DW 700, DW 701, DW 707	216x30
DW 383	235x30
DW 86	240x30
DW 100, DW 110, DW 111	250x16
DW 120, DW 125, DW 150, DW 170, DW 250,	250x30
DW 252, DW 320, DW 702, DW 703, DW 710,	
DW 742, DW 743, DW 744, DW 720 K,	
DW 746 K, DW 1251, DW 1370, DW 1501,	
DW 1503	
DW 709, DW 711	260x30
DW 721, DW 722 K, DW 725 K, DW 726 K,	300x30
DW 810, DW1370, DW 1935/31L, 142 DS,	
160 DS, 1635, 1875, 2155	
MC 20	300x32
DW 704, DW 705, DW 706,	305x30
DW 708, D 27105	350x30
DW 728 K, DW 729 K, 1600 S, C 14	
C 14, 1600 S, 1635 GL, 2155 G	400x30
6 K, 6 L, DA 1635	500x30
EINHELL	
BT-CS 1200, HES 55, HES 160	160x20
RT-CS 165	165x16
BHS 1300	184x16
BT-CS 1400	190x20
RT-CS 190 L	190x30
BT-TS 800	200x16
HES 200	200x30
RT-TS 920	205x16
RT-FF 1220 U	205x30
BT-MS 210, BT-SM 2050, KGST	210x30
210, RT-SM 305 L, RT-TS 1221	
KGT 500	250x20
BT-MS 250 L, BT-SM 3100,	250x30
BT-TS 1500 U, KGS 250, KGS, 300 UG,	
KGS 301, KGS 330, KGTN 245, KGTN 250,	
RT-SM 430 U, RT-TS, 1725 U, RT-TS 1825 U,	
RT-UD, 1825, RT-UD 1825, RT-XM 305 U	
RT-SM 330 U	305x30
RT-CC 315 U, RT-TS 2031 U, RT-TS 2231 DU	215x30
BT-LC 400/1	400x30
BT-LC 500	450x30
BT-LC 700 D	700x30
ELEKTRA BECKUM	
Multi 180	200x30
KS 205	205x18
KS 210, GKS 255, P200, PK 200,	210x30
PK 220, UK 220 W, UK 220 E	
Secanta	220x30
PK 250, PK 255, KGT 500, KGS	250x20
300, KGT 550, UK 330, KS 250	
KGS 250, KGS 250 K, KGS 300, KGS 301,	250x30
KGS 303,KGS 330, KGS 331, KGT 250,	
KGT 500, KGT 501, KGT 550, KS 250, KS	
304, Multi 260, Multi 310, PK 250,	
PK 255, PK 2800, PK 3100, PK	
4200, PK 6000, PKF 255, UK250, UK 330	
PK 300, PK 300 K, PKV 300 G	300x30
KS 304	304x30
1800, 2200, 2800, 3100, 4100,	315x30
Combi und Standard HS 315,	
Combi HSG, TKHS 315, TK, HS 315 E	
TK 350	350x30
BKH 400, BKS 400, BKS 450,	400x30
BS 3100 W, BS 4200, BS 5500 W	
BKH 450, BKS 450, BS 6000 D,	450x30
BS 8000 D	
BKH 450, BS 6000 D, BS 8000 D	500x30
BW 400, BW 600, BW 700	600x30
BW 700, BW 750, BW 4000	700x30
ELU/DEWALT	
MKK 26	86x12
MH 25, MH 25 K	100x12
DS 140 Doublo Schatten-fugensäge	105x22
MHA 14 KA, MHA 18 KA	136x10
MH 151, MH 151/10, MHA 151	150x20
MH 18, MH 30, MH 82, MH 182, PS 174	150x30
MH 55, MH 155	170x30
MH 65	180x30
MH 165, MH 265	190x30
MH 30, MH 82, MH 182	215x30
ETS 41, PS 174, PS 274, PS 244 E	216x30
MH 85, MH 286	240x30

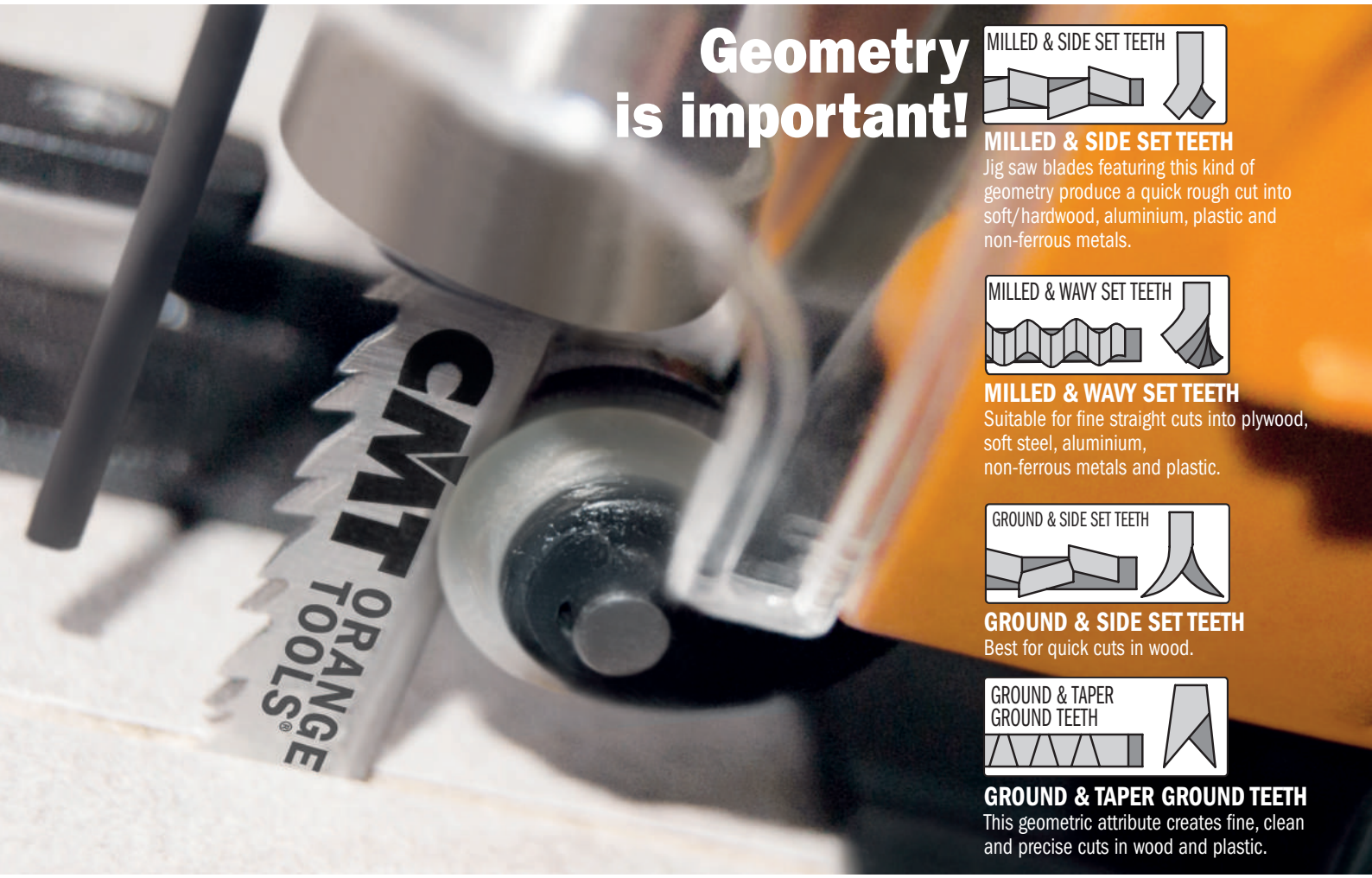
Machine	DxB mm
ELU/DEWALT (vervolg)	
ETS 21, ETS 23, ETS 31, ETS 33, KSU 101,	250x30
RAS 1251, RAS 1253, RKS 1251, RKS 1253,	
TGS 71, TGS 170, TGS 171, TGS 172,	
TGS 173, TGS 271, TGS 273	
EMTS 711	260x30
ETS 3001, ETS 3003, PS 374	300x30
EMS 705, PS 374	305x30
RKS 1603	350x30
MTS 24	355x25,4
RSA 133/25	500x30
ELUMATEC	
KS 101, MGS 460	254x32
DG 163, RS 160, TS 161	280x32
KS 101, MGS 460	300x32
MGS 72/04, MGS 73/23	330x32
DG 79/03-05, DG 79/50, SA 73/25	330x32
DG 79/30-32, DG 79/51, MGS	380x32
72/30, MGS 73/33, SA 73/35	
DG 102, DG 104, DG 140, MGS	420x30
105, MGS 461, SA 103/25	
DG 142, MGS 142, SA 142	500x30
DG 204, DG 240, MGS 205	550x30
EMCO	
Universal	200x15
Rex 2000, Super 1011	250x20
KS 80, MK 81	250x30
EUMENIA	
ML 50 L	220x30
FEIN	
SSK 646, SSL 646	150x20
SSK 660	160x20
SSK 661	210x30
FELDER	
KF 700	250x30
BF 6-26, BF 6-31, BF 6-41,	315x30
BF 31, K 37, KFS 37	
FELISATTI	
TP 751	150x20
TP 756	160x20
TP 765	190x20
TP 781	230x30
T 84, T 85, T 87, T 770, T 771,	250x20
T 777, T 777 B, T 777 CE, T 778, T 867 GS	
M 74, M 75, M 76, M 77, T 84,	250x30
T 85, T 87, T 88	
T 82, T 83, T 91, T 91 CE, T 97 CE	300x30
FERM	
FZT 250, FZT 250 EN	250x30
FESTOOL	
AUF 35-S3, AUF 35-S4	105x20
AUF 35-S2	120x20
AF 45 E, AXF 45	150x30
AP 55, AP 55 E, AP 55 E-FS, AP 55 FS,	160x20
ATF 55, ATF 55 E, ATF 55 EB, ATF 55 E-FS,	
ATF 55 FS, AP 55 EB, TS 55, TS 55	
EQ, TS 55 EBQ, TS 55 Q	
AAU, AU 50, AUP 50	160x30
AM 42 A, AM 42 S, AM 42 T, AMT 42 S,	170x33
AT 55 B, AT 55 C, AT 55 E, ATU 42-S,	
AU 42 S, AUT 42 S, AXT 50 LA, AXT 55	
AU 55 S, AU 60 P, AU 60 S, A	180x30
UP 60 S, AUT 60 S	
AP 65, AP 65 E, AP 65 E-FS, AP 65 EB,	190x30
AP 65 EB-FS, AT 65, AT 65 E, AT 65 E-FS,	
AT 65 EB, AT 65 EB-FS	
AD 65, AP 68 E, AP 65 S, AU 65 S,	200x30
AUP 65 S, AUT 65 S, AXP 65, AXP 200	
TS 75, TS 75 EBQ, TS 75	210x30
EBQ-FS, TS 75 EQ	
Symmetric SYM 70	216x30
AU 77 S	220x30
CS 70, CS 70 EB	225x30
AU 80 S	230x30
AP 85, AP 85 E, AP 85 E-FS, AP 85 E-TS,	240x30
AP 85 EB, AP 88, AP 88 E, AXP 85	
AD 85, AD 100, AE 85, AE 88	250x30
Kapex KS 88, Kapex KS 120	260x30
AXP 130, AXP 132 E, BD 125	350x30
BD 145, BD 145/1	400x30
BD 170	450x30
FEZER	
KG 20	200x18
KG 205	205x18
KG 25	250x32
KG 30	300x32
KG 40 S	400x32
AB 600	600x32
FLOTT/FLOTTJET/KRÄKU	
1000, 2000, Profi 3000	250x20
KS 1011, TKS 2011 D, TKS 2011 W,	250x30
KS 2011 D, KS 2011 W, KS 2012, 3011,	
Profi 2000, Profi 2001,	
Profi 3011, Uni-Profi 2011	
FKS 3000, KKS 305 M	315x30

Saw Blades for Portable Machines

Machine	DxB mm
GRAULE	
AKF F, AKF 4/200	200x40
AKF 2, AKF 4/250, AKF 6/250, KS, TS	250x40
85 N, AGL, AGT, AKF 6/300, Typ 85, ZS 85	300x40
Typ 135, ZS 135, ZS 135 N	350x40
Typ 170, ZS 170, ZS 170 N	420x40
ZS 200	520x50
GÜDE	
GTK 721	205x18
GTK 800	205x20
GKS 1100 P, GRK 210/300,	210x30
GUKS 2100, KT 210	
GFO 1401	216x30
GKS 250 L, GKS 250 T, GRK	250x20
250/300, GRK 250/500	
TK 2500 UG, GFO 1801	254x20
TK 2400 ECO	254x30
GTKS 315	315x30
GWS 400 Eco	400x30
GWS 450 Eco	450x30
FP 600 Plus, GWS 600 EC,	600x30
GWS 600 HM, QWS 600	
DTW 700, DWS 700, DWS 700 Z, GWS 700,	700x30
FP 700 Plus, GWS 700 HM, GWS 700 EC,	
PRS 700/7 HMF, PTW 700/7	
HMF, PWS 700/7 HMF	
HAAGER	
HTK 200	200x30
HKGS 250, HMS 10 RA	250x20
GKS 250 HR, HBTS 10 A	250x30
HTK 300	300x30
HAFFNER	
RF 60	100x20
KSU 40	120x20
KSU 105, KSU 125	125x20
KSU 50	160x20
KSU 110	170x30
KSU 60, KSU 113	180x20
KSU 60 alt	200x30
GL 136	200x20
AKS	210x30
AS 75, KS 75, RS 75	220x30
140, KL 177, KL 178, KSU 118	220x30
HSU 85, KL 176, KS 85, KSU 85,	250x30
SP 187, US 85	
AKS, GS 1, GS 2W, GS 2 D, GS 150, GS 163,	250x30
GS 165, GS 166, KL 140, SP 189, SP 195,	
SP 196, SP 197, SP 198, TGS 161,	
TGS 162, TGS 163, TGS 198	
MK 251 B	300x32
950, GS 146, GS 147, GS 148, GS 155,	330x30
GS 156, GS 157, GS 158, GS 165, GS 166,	
GS 183, GS 183 M, KS 120, KS 155,	
SP 221, SP 223, SP 224, TGS 168, TGS 169,	
TGS 200, TK 42, US 151	
DGS 180, DGS 182, GSM 180, GSA 180	350x30
GS 159, GS 160	340x30
MK 350 Vario	400x32
DGS 123, DGS 124, DGS 180, DGS 181,	500x30
DGS 182, DGS 184, DGS 184 E, DGS 188,	
DGS 185, GS 183, GS 184, GS 188 M,	
GS 188 P, GSA 184 E, KS 155, ZS 640,	
ZS 800	
DGS 187, DGS 202, GS 161,	600x30
GS 162, US 161, US 162 30	
HANNING	
TK 20 N, TK 20 S, TK 200,	200x16
TK 300, ZK 205, HKS 250	250x16
3 VS, HTK 315/1.6, HTK 315/2.1,	315x30
HTK 315/3.0, HTK 315/3 SV, HTK 315/4.0	
HANSEATIC	
PSC 160 D	160x20
HILTI	
WSC 55	160x20
WSC 85	230x30
HERCULES	
KG 205	205x16
TKS 250 UV	250x16
BK 315/1	315x30
HITACHI	
C 5 Y	125x20
C 5, FC 5, FC 5 SA	150x20
C 6, C 6 DA, C 60 A, FC 65 A, FC 6 SA	160x20
C 6 BU, C 6 U, C 6 DD-Akku, FC 6 SB	165x30
C 6 SA, PSU 6	170x30
C 7 U, C 7 BU, FC 7 SA, PSM 7, PSM 7 A,	190x30
PSU 7 C 8 U, C 8 FA, PSM 8, PSU 8	210x30
C 8 FC, C 8 FS	216x30
C 9 U	235x30
PSM 9, PSM 9 A, PSU 9	240x30
U 210	250x30
C 10 FB, C 10 FCA, C 10 FCS, C 10 RA	255x30
C 13 U, PSU 13	335x30
C 15 FC	380x30
HOLZ-HER (REICH)	
Derby 2110, Mosquito 2111, Mosquito 2171	132x30
2260, 2270	140x30
2103, 2104, 2105, 2106, 2107,	160x30
2108, HKU 50	
1563, 2115, 2266, 2271, 2281	170x30
2112, 2272, 2291, HKU 55	180x30
2114, 2116, 2117, 2119, 2126,	190x30
2127, 2269, 2282	
2113, 2292, 2555, HK 201	200x30
2267, 2284, PKS 267	210x30
Leistensäge 2141	216x30
2267, 2274, 2279, 2284, HKU 75, PKS	220x30
2118, 2120, 2171, 2279, 2293, 2294	230x30
2128, 2268, HKD 65	240x30
HKD 85, HKD 275, HKD 1212, PKS 1210,	300x30
PKS 1211, PKS 1213, PKS 1225,	
PKS 1230 303	
HKS 130, HKS 150, HKS 276	350x30
HKS 2136	380x30
HKS 155, HKS 277, HKS B 7 K, BTK 155	400x30
JEPSON	
8219	192x20
9211 D	255x25,4
9312 E, 9430	305x25,4
9314, 9435	355x25,4
KITY	
626	150x20
510, 616, 617, 2617	180x15
0419, 7419, 0618, Kombi 2000,	200x30
Kombi 5023, Junior 6	
618	250x30
1609, 1619, 5619, 6619, 9619 2	70x30
819	315x30
KRESS	
CHKS 6050, CHKS 6055	160x20
CHKS 6060, 1400 HKS, 1500 KS, 1800 KSE	190x20
MAFFEL	
A 35, FS 35, KSS 300, KSP 40	120x20
SF 32, X 40, XE 40	125x20
A 55, B 55, FU 50, KSP 55, KSP 55 F,	160x20
KSS 330, KSS 400, KST 55, MKS 55, MS 55,	
MT 55, PS 52, PSS 3000, PS 3100, X 55,	
XE 55	
KS 320	160x30
Erika 55	180x30
Erika 60, KSP 65, KSP 65 F, MS 65, MKS 65	190x30
B 65, X 72	200x30
AS 65, FUS 65	210x20
MS 75, MKS 75	210x20
Erika 70 E, MKS 85	225x20
KSP 85, KSP 85 FC	230x30
B 82	240x30
Erika 85, MS 85, MKS 85, MKS 85 S	250x30
A 85, Erika 65, FS 65, FU 585, FUS 85	280x30
Erika 70 L, Erika 70 K	290x20
Biberex, MKS 105, Monika,	315x30
TFK 85 L, TKF 85 K	
Biber, FS 85	325x30
MKS 130 EC	330x30
MKS 125, MKS 125 E	355x30
MKS 145, MKS 145 EC	370x30
BK 3, BKS 4, FS 130, FS 130 S, TD 3, VKS 1	400x30
MKS 165, MKS 165 EC, FS 130K	410x30
TDH 4, TDH 425	425x30
BK 4, BKV 4, BKS 5, FSG 165,	450x30
MKS 185 EC, TDH 5, TDH 450	
BKV 5, BKS 6, TDH 5-170	500x30
FSG 200	550x30
FSG 240 K	640x30
MAKITA	
4341 S, BTK 0, KS 0852 S, 61+2, 52 S	150x20
5600 NB, 5600 RDW	160x20
167, 0846 S, 0946 S, 5600 BR, 5603 R,	165x20
5604 R, TK 1256, KS 1155, KST 1157 S,	
KSTE 1357, S-Signal, SBTK 1, SR 1600	
5500 S, 5800 B, 5801 B, 6317 S	180x20
5800 BR, SR 1800	185x20
4346 S, KS 65, KS 1266 S, KS	190x20
1468, KS 4345 S, KSE 1668, TK 5348	
5703 R, 5705 R, 5017 RKB	190x30
Radial-Eudora 5700	200x25
LS 0810, SR 2100	210x25
KGS E 1670 S, KSE 1678 S	210x30
6322 S	220x30
SR 2300, SR 5900 B, SR 5900 BR	235x25
5903 R	235x30
KS 1785, KS 6323 S	240x30
LS 1013, LS 1014	260x25
SR 2600	266x25
5103 R, SR 2600	270x30
5100 BR	335x25
5143 R	355x30
METABO	
F 0520	100x22
4340 S, BHK 2, BHK 3, 4345 S 140 20	140x13
4341 S, BTK 0, 61 + 2, KS 52,	150x20
KS 0846 S, KS 0852 S	
BTK 1, KS 1155 S, Magnum, TK 1256	165x20
6317 S	180x20
KS 655, KS 1266, KS 1468 S,	190x20
KS 4345 S, KS 4346 S, KS5348,	
KSE 1668, Robert	
KGSE 1670, KSE 1678 S-Signal,	210x30
Magnum TK 1066, TKU 225	
6322 S	220x30
KS 1785 S, KS 6323 S	240x30
TK 1633, TKU 1633, TKU 1693	250x30
TK 1688, TK 1688 D	315x30
PANASONIC	
EY 3501	110x20
EY 3530	135x20
PERLES	
25 S	100x12
SC 47 C	140x20
KS 50, Peugot, SC 53 C	150x20
FIP 50 S	180x20
KS 85	230x30
PROTOOL	
CSP 55-2, CSP 56 EQ,	160x20
CSP 56 Q, CSP 68	
CSP 68 E	190x30
CSP 85	240x30
ROBLAND	
K 210 - 260	240x30
X 260	250x30
K 310, X 310	300x30
ROCKWELL	
346, 63416	170x16
315, 4500, 63417	184x16
368, 63418	220x20
SCHEER	
HM 5, HM 6	100x22
MS 50	150x16
MS 45, MS 45 E	150x20
FM	160x16
MS 55	160x20
FM	180x16
MS 65, MKS 65	190x30
MS 70	200x30
MS 80	220x30
MS 85	230x30
FM 10, A 3100, A 4200	240x30
SCHEPPACH	
KG 205	205x18
TS 2000	200x30
Capas 1, Capas 2	216x30
KG 250, TKG 250, TS 2500	250x20
KSE 250, TS 2500, KG 260, TKG	250x30
260, KG 280, TKG 280	
Capas 3, TKG 305 E	305x30
TS 315 GT, TS 400, TS 4010, TKU	315x30
BSH 400	400x30
BSH 500	500x30
SKIL	
22501 B	125
5140 A, 5140 B, 5240	130
532	140
533, 553, 5246, 1800 H, 1850 H	150
416 H, 534, 536, 552 B, 1408 H,	160
1409 H, 1410 H, 1440 H, 5750 A	
77 U, 537 U, 553 B, 553 H,	184
559 U, 574 U, 599 U, 857	
1865, 1866, 5266, 5565, 5566,	190
5666, 5866 A, 1899, 1965 U, 1986	
554 B, 554 H, 825, 858, 1524 H, 1873 H	210
555 H, 1525 H, 1886 H, 1985 U	230
1523 H, 1526 H, 1899 H	260
STAYER	
CP 50	150x20
KS 700, SC 205, TKS 2000	205x18
SC 250, SC 251, SCU 75	250x20
SC 260, SCE 1610, SLL 250	250x30
TD 305	305x25,4
TIP	
HKS 160	160x20
HKS 200	200x16
TKS 250	250x15,8
TGS 250	250x25,4
ULMIA	
1409 B	160x20
1706, 1708	200x16
1710 S, 1710 R	250x15,8
Gecombineerde Macchine	300x25,4
WEGOMA	
TB 204	105x22
HS 50	150x20
TS 250	250x30
S 4 D, S 4 W	350x30
TS 400	400x30

QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

Produced by following state-of-the-art processes and by using high-tech machines, these jig saw blades have been specifically designed for precise cuts on soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous & non-ferrous materials, aluminium, fiberglass and also stainless steel. These are made of four different materials.



Geometry is important!

MILLED & SIDE SET TEETH
Jig saw blades featuring this kind of geometry produce a quick rough cut into soft/hardwood, aluminium, plastic and non-ferrous metals.

MILLED & WAVY SET TEETH
Suitable for fine straight cuts into plywood, soft steel, aluminium, non-ferrous metals and plastic.

GROUND & SIDE SET TEETH
Best for quick cuts in wood.

GROUND & TAPER GROUND TEETH
This geometric attribute creates fine, clean and precise cuts in wood and plastic.

HCS **High Carbon Steel**
Great for cutting wood, fiberboard and plastic.

BIM 8% Co **Bi-Metal with 8% Cobalt**
Premium bi-metal with 8% Cobalt provides superb results and guarantees long life when cutting metal, non-ferrous, plastic and wood with nails.

HSS **High Speed Steel**
For cutting harder materials, such as metals, aluminium and non-ferrous metals.

HW **Tungsten Carbide Tipped**
For cutting fibercement board, brick, porous concrete, plasterboard, MDF, fiberglass and Eternit®.

THE RIGHT BLADE FOR THE BEST RESULTS!

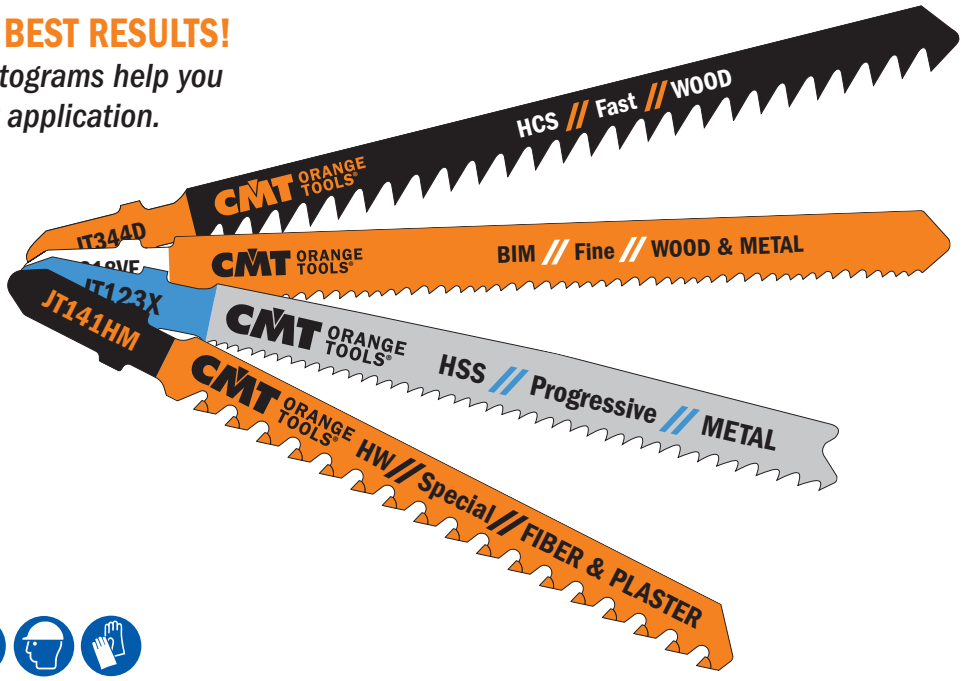
Quick reference charts and pictograms help you choose the right blade for your application.

// Wood

/// Wood & Metal

// Metal

// Special



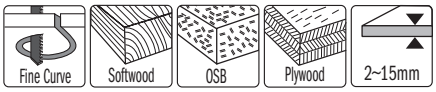
Guide to Choosing the Most Suitable Jig Saw Blade

CMT ORANGE TOOLS®

Series	Material	Thickness mm	Line	Fine Straight	Coarse Straight	Fine Curve	Coarse Curve	Page
WOOD	Softwood	1,5~15	Fine			JT101AO		54
		2~15	Basic			JT119BO		53
		3~65	Fine, Splinter-Free	JT234X				55
		3~30	Fine	JT101B				54
		3~30	Fine, Splinter-Free	JT101BR				54
		4~60	Basic		JT111C			53
		5~60	Fast		JT144D		JT244D - JT244DDC	53
		5~100	Fast		JT344D			54
		7~55	Fine	JT101D				55
		7~65	Fine	JT301CD - JT318VF				55
	Hardwood	1,5~15	Fine			JT101AO		54
		3~30	Fine	JT101B				54
		3~30	Fine, Splinter-Free	JT101BR				54
		3~65	Fine, Splinter-Free	JT234X				55
		5~60	Fast		JT144D		JT244D - JT244DDC	53
		5~100	Fast		JT344D			54
		7~55	Fine	JT101D				55
		7~65	Fine	JT301CD - JT318VF				55
	OSB	2~15	Basic			JT119BO		53
		3~30	Fine	JT101B				54
		4~60	Basic		JT111C			53
		5~60	Fast		JT144D		JT244D - JT244DDC	53
		7~55	Fine	JT101D - JT318VF				55
	Plywood	1,5~15	Fine			JT101AO		54
		2~15	Basic			JT119BO		53
		3~30	Fine	JT101B				54
		3~30	Fine, Splinter-Free	JT101BR				54
		3~65	Fine, Splinter-Free	JT234X - JT318VF				55
		4~60	Basic		JT111C			53
		5~60	Fast		JT144D		JT244D - JT244DDC	53
		5~100	Fast		JT344D			54
		7~55	Fine	JT101D - JT318VF				55
	Construction Wood	<30	Fine	JT101B				54
		3~65	Fine, Splinter-Free	JT234X				55
		<100	Fast		JT344D			54
		<135	Fast		JT144D			53
	Chipboard	2~15	Basic			JT119BO		53
		3~30	Fine	JT101B		JT101AO		54
		3~65	Fine, Splinter-Free	JT234X - JT318VF				55
		4~60	Basic		JT111C			53
		5~60	Fast		JT144D		JT244D - JT244DDC	53
	Laminated panels	1,5~15	Fine			JT101AO		54
	Kitchen Tops	1,5~15	Fine, Long Life	JT101BIF				55
	Worktops	3~30	Fine	JT101B				54
		3~30	Fine, Splinter-Free	JT101BR				54
		3~65	Fine, Splinter-Free	JT234X				55
METAL	Sheet metals	1~3	Basic	JT118A		JT218A		56
		1,5~10	Fast, Long Life	JT123X - JT318VF				55-56
		2,5~6	Basic	JT118B				56
	Aluminium, non-ferrous	<30	Fast	JT127D				56
		1,5~10	Fast	JT123X - JT318VF				55-56
	Pipes	<30	Fast	JT123X - JT318VF				55-56
	Inox Sheets	1,5~3	Fast	JT123X - JT318VF				55-56
	Sandwich Material	<120	Fast, Flexible	JT718BF				56
PLASTIC	GRP (Fiberglass)	<30	Fast	JT127D				56
	Plastic (PP, PE, PVC, PA, PS)	<30	Fine	JT101D				55
		<30	Fast	JT123X				56
		7~65	Fine	JT301CD - JT318VF				55
SPECIAL	Plasterboard	5~50	Special		JT141HM			57
		5~80	Special		JT341HM			57
	GRP (Fiberglass)	<80	Special		JT341HM			57
	Fiber cement boards	5~50	Special		JT141HM			57
		5~80	Special		JT341HM			57

JT119BO

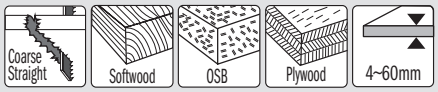
Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	2	12	100	**JT119BO-5**



Curve cuts on softwood (2 ~ 15mm), plywood, OSB.

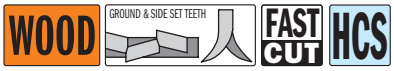
JT111C

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	3	8	100	**JT111C-5**

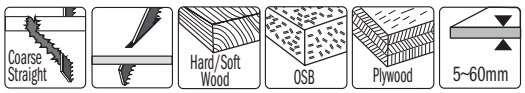


Fast coarse cuts on softwood (4 ~ 60mm), plywood, OSB.

JT144D



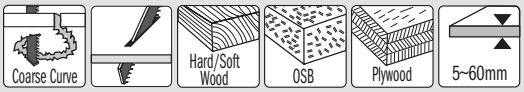
Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	4	6	100	**JT144D-5**
25	100	75	4	6	10	**JT144D-25**
100	100	75	4	6	4	**JT144D-100**



Very fast cuts, straight and coarse, on hard/softwood (5 ~ 60mm), plywood, OSB. Plunge cutting.

JT244D

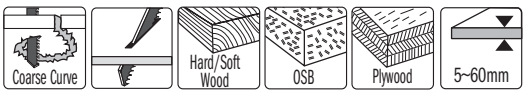
Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	4	6	100	**JT244D-5**



Fast, curve, coarse cut on soft and hardwood from 5mm to 60mm, plywood, OSB. Plunge cutting.

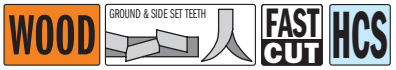
JT244DDC

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	4	6	100	**JT244DDC-5**

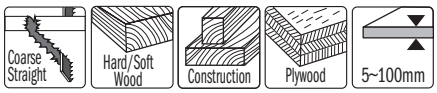


Fast, curve, coarse cut on soft and hardwood from 5mm to 60mm (7/32"~2-3/8"), plywood, OSB. Plunge cutting. Special "DUO" (double) cuts for fast curve.

JT344D

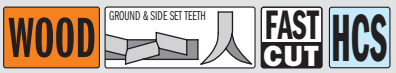


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	132	110	4	6	100	**JT344D-5**

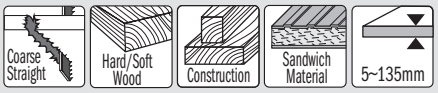


Very fast cuts, straight and coarse on thick construction timber, hard/softwood (5 ~ 100mm), plywood, OSB.

JT744D

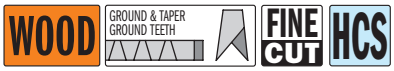


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
3	180	155	4	6	20	**JT744D-3**

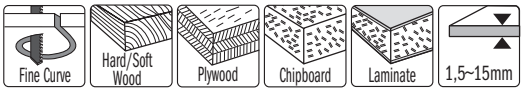


Very fast cuts, straight and coarse on thick construction timber, hard/softwood (5 ~ 135mm) and sandwich material.

JT101A0

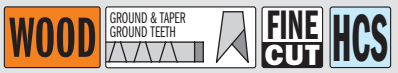


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	1,4	20	100	**JT101A0-5**

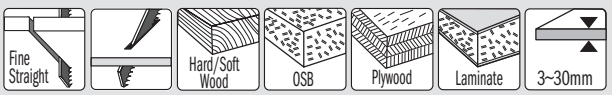


Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, chipboard, MDF, double sided laminates (1,5 ~ 15mm).

JT101B

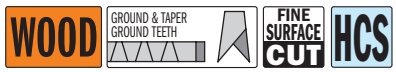


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	2,5	10	100	**JT101B-5**
25	100	75	2,5	10	10	**JT101B-25**

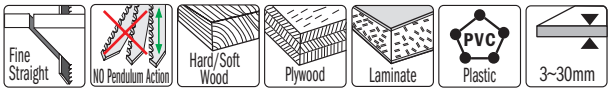


Fine straight cuts on hard/softwood, plywood, OSB and plastics (3 ~ 30mm). Plunge cutting.

JT101BR

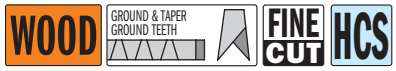


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	2,5	10	100	**JT101BR-5**
25	100	75	2,5	10	10	**JT101BR-25**

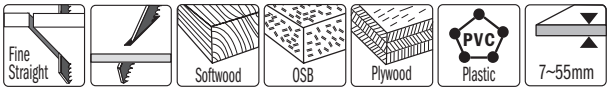


Straight cuts, fine finishing on surfaces, hard/softwood, plywood, OSB, laminated panels, plastics (3 ~ 30mm). Reverse tooth.

JT101D

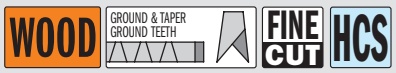


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	4	6	100	JT101D-5

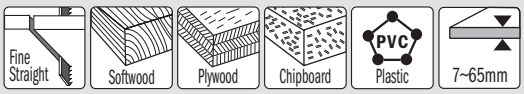


Good straight cuts on hard/softwood, plywood, OSB, plastics (7 ~ 55mm). Plunge cutting.

JT301CD

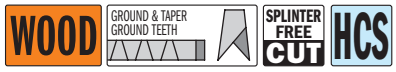


Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	116	90	3	8	100	JT301CD-5

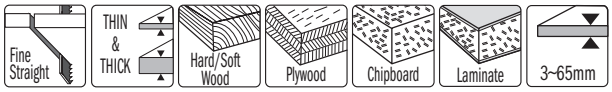


Straight cuts, fine finishing, on hard/softwood, plywood, laminates, plastics (7 ~ 65mm).

JT234X



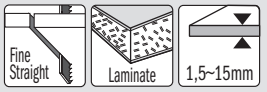
Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	116	90	2-3	8-12	100	JT234X-5



Extra-clean splinter-free straight cuts on hard/softwood, plywood, OSB, laminates (3 ~ 65mm).

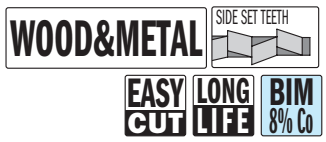
JT101BIF

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	83	58	1,7	15	100	JT101BIF-5



Splinter-free cuts. For all laminates, HPL and multiplex panels (1,5 ~ 15mm).

JT318VF



Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	132	100	1,7-2,6	10-15	100	JT318VF-5

Straight cuts on wood with nails/metal, chipboard and laminate (<60mm), sheet metal, aluminium profiles (3-18mm), glass fiber reinforced plastic/epoxy (<60mm).

JT118A

JT118A // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	1,2	21	100	**JT118A-5**

Straight cuts on thin sheet metals, ferrous and non-ferrous (1 ~ 3mm).

JT218A

JT218A // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	1,2	21	100	**JT218A-5**

Curve cuts on thin sheet metals, ferrous and non-ferrous (1 ~ 3mm).

JT118B

JT118B // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	2	12	100	**JT118B-5**

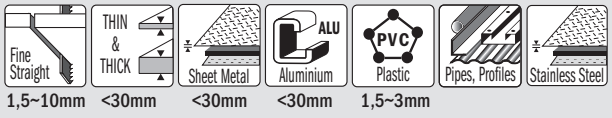
Straight cuts on medium-thick metals, ferrous and non-ferrous (2,5 ~ 6mm).

JT123X

JT123X // CMT ORANGE TOOLS HSS // Progressive // METAL

METAL · MILLED & SIDE SET TEETH · LONG LIFE · FAST CUT · HSS

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	1,2-2,6	10-21	100	**JT123X-5**



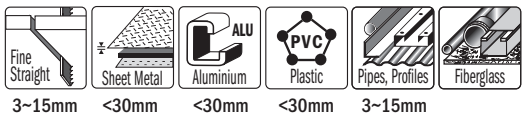
Straight cuts on thin to thick sheet metals (1,5 ~ 10mm), pipes, profiles in plastic and aluminium (diameter <30mm), stainless steel (1,5 ~ 3mm).

JT127D

JT127D // CMT ORANGE TOOLS HSS // Special // ALU

METAL · MILLED & SIDE SET TEETH · FAST CUT · HSS

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	3	8	100	**JT127D-5**



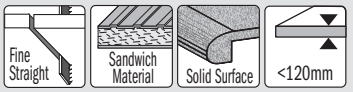
Special for aluminium, thin to thick (3 ~ 15mm), pipes and profiles, (diameter <30mm) as well as plastic and fiberglass.

JT718BF

JT718BF // CMT ORANGE TOOLS BIM // Flexible // METAL-SANDWICH

METAL · MILLED & WAVY SET TEETH · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
3	185	160	1,8	14	20	**JT718BF-3**



Special for Sandwich Materials & Solid Surfaces (<120mm).

JT141HM

HW TOOTH

JT141HM CMT ORANGE TOOLS HW // Special // FIBER & PLASTER

SPECIAL | SIDE SET TEETH | LONG LIFE | HW

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
3	100	75	4,3	6	50	JT141HM-3

Plasterboard, fiber cement boards (<50mm). Glass fiber reinforced plastic/epoxy (5 ~ 20mm), Eternit®, MDF, HDF.

JT341HM

HW TOOTH

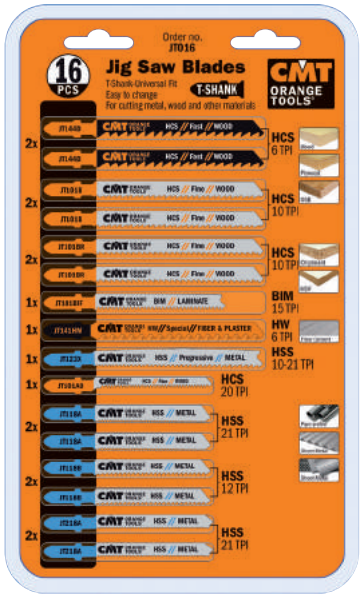
JT341HM CMT ORANGE TOOLS HW // Special // FIBER & PLASTER

SPECIAL | SIDE SET TEETH | LONG LIFE | HW

Pack Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
3	132	110	4,3	6	50	JT341HM-3

Plasterboard, fiber cement boards (<80mm). Glass fiber reinforced plastic/epoxy (5 ~ 50mm), Eternit®, MDF, HDF.

JT016 16 piece Jig Saw Blades Set



2 PCS — JT144D HCS — WOOD | FAST CUT

Hard/Soft Wood | OSB | Plywood | 5-60mm 7/32"–2-3/8" | 4mm | TPI 6 | Coarse Straight

Very fast cuts, straight and coarse, on hard/softwood (5-60mm), plywood, OSB. Plunge cutting.

2 PCS — JT101B HCS — WOOD | FINE CUT

Hard/Soft Wood | OSB | Plywood | Laminate | 3-30mm 1/8"–1-1/4" | 2,5mm | TPI 10 | Fine Straight

Fine straight cuts on hard/softwood, plywood, OSB and plastics (3-30mm). Plunge cutting.

2 PCS — JT101BR HCS — WOOD | FINE SURFACE CUT

Hard/Soft Wood | Plywood | Laminate | Plastic | 3-30mm 1/8"–1-1/4" | 2,5mm REVERSE | TPI 10 REVERSE | Fine Straight | Pendulum Action

Straight cuts, fine finishing on the surface, on hard/softwood, plywood, OSB, laminated panels, plastics (3-30mm). Reverse tooth.

1 PC — JT101BIF BIM — WOOD | FINE CUT | LONG LIFE

Laminate | 1,5-15mm 1/16"–5/8" | 1,7mm | TPI 15 | Fine Straight

Splinter-free cut. Special for all laminates, HPL and multiplex panels (1,5-15mm).

1 PC — JT101AO HCS — WOOD | FINE CUT

Hard/Soft Wood | Plywood | Chipboard | Laminate | 1,5-15mm 1/16"–3/4" | 1,4mm | TPI 20 | Fine Curve

Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, MDF, double sided laminates (1,5-15mm).

1 PC — JT141HM HW — SPECIAL | LONG LIFE

Plasterboard <50mm 1-31/32" | Porous Concrete <50mm 1-31/32" | Fibercement Board <50mm 1-31/32" | Epoxy 5-20mm 3/16"–3/4" | 4,3mm | TPI 6 | Coarse Straight

Plasterboard, fibre cement boards (<50mm), Glass fibre reinforced plastic/epoxy (5-20mm), Eternit®, MDF, HDF.

1 PC — JT123X HSS — METAL | FAST CUT

Sheet Metal 1,5-10mm 1/16"–3/8" | Aluminum <30mm <1-1/4" | Plastic <30mm <1-1/4" | Pipes, Profiles <30mm <1-1/4" | Stainless Steel 1,5-3mm 1/16"–1/8" | 1,2-2,6mm PROGRESSIVE | TPI 10-21 PROGRESSIVE | Fine Straight | THIN & THICK

Straight cuts on thin to thick sheet metals (1,5-10mm), pipes, profiles in plastic and aluminium (diameter <30mm), stainless steel (1,5-3mm).

2 PCS — JT118A HSS — METAL | BASIC CUT

Sheet Metal | Aluminum | Pipes, Profiles | 1-3mm 3/64"–1/8" | 1,2mm | TPI 21 | Fine Straight | GREAT VALUE

Straight cuts on thin sheet metals, ferrous and non-ferrous materials (1-3mm).

2 PCS — JT118B HSS — METAL | BASIC CUT

Sheet Metal | Aluminum | Pipes, Profiles | 2,5-6mm 1/8"–1/4" | 2mm | TPI 12 | Fine Straight | GREAT VALUE

Straight cuts on medium-thick metals, ferrous and non-ferrous materials (2,5-6mm).

2 PCS — JT218A HSS — METAL | BASIC CUT

Sheet Metal | Aluminum | Pipes, Profiles | 1-3mm 3/64"–1/8" | 1,2mm | TPI 21 | Fine Curve | GREAT VALUE

Curve cuts on thin sheet metals, ferrous and non-ferrous (1-3mm).

An assortment of 16 Jig Saw Blades featuring the 10 most popular blades for a variety of cutting needs:
- wood and timber (straight, curve cuts, course cutting and finishing);
- plasterboard, fiber cement, fiberglass, epoxy resins, and panels such as Eternit®;
- metal and sheet metal both thick and thin;
- stainless steel;
- aluminium and plastics.

15 Sets in End-cap display
(minimum order 15 sets)

QUALITY MATERIALS FOR MAXIMUM PRODUCTIVITY

Produced by following state-of-the-art processes, using high-tech machines and premium quality raw materials, these sabre saw blades have been specifically designed to ensure maximum lifetime and performance in all materials.

Geometry is important!

Easily cut construction wood, plywood, framing lumber and plastic.

For quick cutting on hard/softwood, aluminium, plastic, ferrous and non-ferrous metal.

For fine, precise cuts in thin/thick metal, pipe, open and closed profiles.

HCS **High Carbon Steel**
Great for cutting wood and plastic.

BIM 8% Co **Bi-Metal with 8% Cobalt**
Premium bi-metal with 8% Cobalt provides superb results and guarantees long life when cutting metal, plastic and wood with nails.

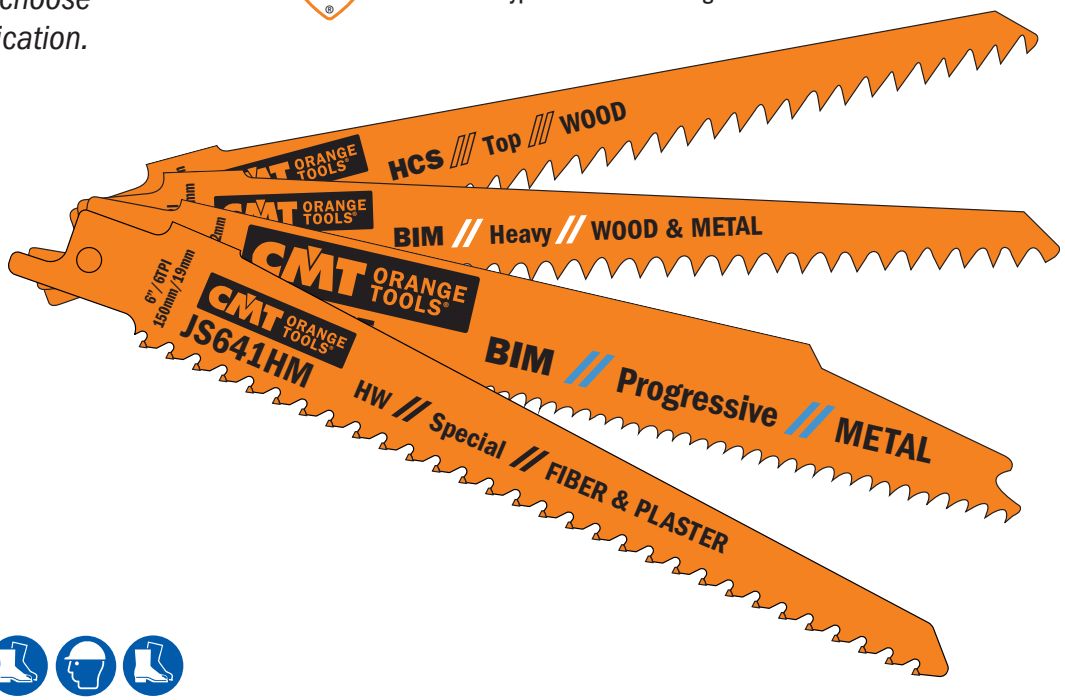
HW **Tungsten Carbide Tipped**
Best for fiber cement board, brick and porous concrete.

THE RIGHT BLADE FOR THE JOB!

Use our quick reference chart and pictograms to help you choose the best blade for your application.

NON-STICK ORANGE SHIELD COATING **Non-Stick Orange Shield Coating**
Keeps the blade running cool, reduces pitch build up and protects against corrosion.
Ideal for all types of wood including wet lumber.

- // Wood
- /// Wood & Metal
- // Metal
- // Special



JS032 32 piece Recip Saw Blades Set

7 PCS	KS644D HCS	WOOD	TPI 6 4.3mm	Curve	Nail-Free Coarse Wood	Wooden Wall Cutout	Boards		<100mm <4"	FINE CUT
5 PCS	KS944D HCS	WOOD	TPI 6 4.3mm	Curve	Nail-Free Coarse Wood	Wooden Wall Cutout	Boards		<175mm <6-7/8"	FINE CUT
5 PCS	KS611DF BIM	WOOD & NAILS	TPI 6 4.3mm	Wood with Nails	Boards	Plasterboard	Epoxy		<100mm <4"	LONG LIFE
5 PCS	KS925VF BIM	METAL	TPI 10 2.5mm	Fine Straight	Sheet Metal	Pipes, Profiles	<100mm	<2-10mm <3/64"-25/64"	DEMOLITION	LONG LIFE
5 PCS	KS922BF BIM	METAL	TPI 14 1.8mm	Fine Straight	Sheet Metal	Pipes, Profiles	<100mm	<3-8mm <1/8"-5/16"	LONG LIFE	FAST CUT
5 PCS	KS922EF BIM	METAL	TPI 18 1.4mm	Fine Straight	Sheet Metal	Pipes	Pipes, Profiles	<100mm	<1.5-4mm <1/16"-5/32"	LONG LIFE

CMT has choosen the 6 most popular Recip Saw Blades for our 32-piece set

This set includes recip saw blades for:

- Construction wood, wooden wall, boards like chipboard and MDF, plywood and timber products
- Wood with nails/metal, plastic profile, glass fiber reinforced plastic/epoxy, window frames
- Plasterboard, fiber cement, fiberglass, epoxy resins and Eternit®
- Metal and sheet-metal, both thick and thin
- Aluminium and plastics

Purchase this set to satisfy a variety of needs

10 Sets in End-cap display
(minimum order 10 sets)

Sabre Saw Blades Application Chart

CMT ORANGE TOOLS®

Series	Material	Material Thickness mm	Line	L	Fine Straight	Coarse Straight	Curve	Fine Angle Cut	Flush Cut	Thin & Thick	Demolition	TPI	Page
WOOD	**Coarse wood (free of nails)**	<100	Basic			JS617K	JS617K					3	62
	Pruning green wood	<175	Basic			JS1111K						3	62
	Coolant: dry	<190	Top			JS1531L						5	62
	MAX RPM 2500	<250	Basic			JS1617K						3	62
	Construction wood	<100	Top	150	JS644D		JS644D					6	62
	Coolant: dry	<150	Progressive	200	JS2345X					JS2345X		6~10	63
	MAX RPM 2500	<150	Pallet	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	63
	Boards	<60	Top	150	JS644D		JS644D					6	62
	Coolant: dry	<60	Progressive	200	JS2345X					JS2345X		6~10	63
	MAX RPM 2500	<60	Pallet	200	JS725VFR			JS725VFR		JS725VFR		8~12	63
	Wooden wall cutout	<100	Top	150	JS644D		JS644D					6	62
	Coolant: dry	<150	Progressive	200	JS2345X					JS2345X		6~10	63
	MAX RPM 2500	<150	Pallet	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	63
		<190	Top	240		JS1531L						5	62
	Plastic	<100	Top	150	JS644D		JS644D					6	62
	Coolant: water MAX RPM 500	<150	Progressive	200	JS2345X					JS2345X		6~10	63
WOOD & METAL	**Wood with nails/metal**	<100	Flexible	150	JS922HF							10	63
	Coolant: dry	<100	Flexible	150	JS922VF							10~14	64
	MAX RPM 2500	<100	Heavy	150	JS641HM	JS611DF	JS711DF					6	64, 66
		<100	Heavy	150		JS610VF		JS610VF			JS610VF	5~8	65
		<150	Progressive	200		JS3456XF				JS3456XF		6~12	63
		<150	Pallet	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	63
		<175	Flexible	225	JS1122HF				JS1122HF			10	63
		<175	Flexible	225	JS1122VF				JS1122HF			10~14	63-64
		<175	Heavy	225		JS1111DF						6	65
		<175	Heavy	225		JS1110VF		JS1110VF			JS1110VF	5~8	65
		<250	Flexible	300	JS1222VF				JS1222VF			10~14	64
		<250	Heavy	300		JS1210VF		JS1210VF			JS1210VF	5~8	65
		<250	Heavy	300		JS1411DF						6	65
	Pallet	<100	Flexible	150	JS922HF	JS641HM						10	63, 66
	Coolant: dry	<150	Pallet	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	63
	MAX RPM 2500	<175	Flexible	225	JS1122HF				JS1122HF			10	63
	Wood, chipboard	<100	Heavy	150		JS611DF	JS711DF					6	64
	Coolant: dry	<100	Heavy	150		JS610VF		JS610VF			JS610VF	5~8	65
	MAX RPM 2500	<150	Progressive	200		JS3456XF				JS3456XF		6~12	63
		<150	Pallet	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	63
		<175	Heavy	225		JS1111DF						6	65
		<175	Heavy	225		JS1110VF		JS1110VF			JS1110VF	5~8	65
		<250	Heavy	300		JS1210VF		JS1210VF			JS1210VF	5~8	65
		<250	Heavy	300		JS1411DF						6	65
	Sheet metals	3~10	Flexible	150	JS922VF							10~14	64
	Coolant: cutting oil	3~10	Flexible	225	JS1122VF				JS1122HF			10~14	63-64
	MAX RPM 500~2000	3~10	Flexible	300	JS1222VF				JS1222HF			10~14	63-64
		3~18	Progressive	200		JS3456XF				JS3456XF		6~12	63
	Pipes, profiles	<100	Flexible	150	JS922VF							10~14	64
	Coolant: cutting oil	<150	Progressive	200		JS3456XF				JS3456XF		6~12	63
	MAX RPM 1500	<175	Flexible	225	JS1122VF				JS1122HF			10~14	63-64
		<250	Flexible	300	JS1222VF				JS1222VF			10~14	64
	Plastic, pipes, profiles	<100	Heavy	150		JS611DF	JS711DF					6	64
	Coolant: water	<150	Progressive	200		JS3456XF				JS3456XF		6~12	63
	MAX RPM 500	<175	Heavy	225		JS1111DF						6	65
		<250	Heavy	300		JS1411DF						6	65
	Glass fiber reinforced	<50	Heavy	150		JS611DF	JS711DF					6	64
	plastic/epoxy	<60	Heavy	300		JS1411DF						6	65
	Coolant: water	<60	Heavy	150		JS610VF		JS610VF			JS610VF	5~8	65
	MAX RPM 500	<60	Heavy	225		JS1111DF						6	65
		<60	Heavy	225		JS1110VF		JS1110VF			JS1110VF	5~8	65
		<100	Flexible	150	JS922VF	JS641HM						10~14	64, 66
		<150	Progressive	200		JS3456XF				JS3456XF		6~12	63
		<175	Flexible	225	JS1122VF				JS1122HF			10~14	63-64
		<250	Flexible	300	JS1222VF				JS1222VF			10~14	64
		<250	Heavy	300		JS1210VF		JS1210VF			JS1210VF	5~8	65

Tip: Using a lubricant can extend blade lifetime up to 500%.

Sabre Saw Blades Application Chart

CMT ORANGE TOOLS®

Series	Material	Material Thickness (mm)	Line	L	Fine Straight	Coarse Straight	Curve	Fine Angle Cut	Flush Cut	Thin & Thick	Demolition	TPI	Page
METAL	**Sheet, perforated metals, (thin & thick)** Coolant: cutting oil MAX RPM 500~2000	0,7~3	Flexible	150	**JS922AF**							24	66
		0,7~3	Flexible	225	**JS1122AF**				**JS1122AF**			24	66
		1~8	Progressive	150	**JS123XF**					**JS123XF**		8~14	66
		1,5~4	Flexible	150	**JS922EF**							18	66
		1,5~4	Flexible	225	**JS1122EF**				**JS1122EF**			18	66
		2~10	Heavy	150	**JS925VF**						**JS925VF**	10~14	67
		2~10	Heavy	200	**JS1025VF**						**JS1025VF**	10~14	67
		2~10	Heavy	225	**JS1125VF**						**JS1125VF**	10~14	67
		2~10	Heavy	300	**JS1125VF**						**JS1225VF**	10~14	67
		3~8	Flexible	150	**JS922BF**							14	67
		3~8	Flexible	225	**JS1122BF**				**JS1122BF**			14	67
		4~12	Heavy	150		**JS920CF**		**JS920CF**			**JS920CF**	9	68
		4~12	Heavy	225		**JS1120CF**		**JS1120CF**			**JS1120CF**	9	68
	Pipes, profiles, thin-walled (open & closed) Coolant: cutting oil MAX RPM 500~2000	<100	Flexible	150	**JS922AF**							24	66
		<100	Flexible	150	**JS922EF**							18	66
		<100	Progressive	150	**JS123XF**					**JS123XF**		8~14	66
		<100	Heavy	150	**JS925VF**						**JS925VF**	10~14	67
		<150	Heavy	200	**JS1025VF**						**JS1025VF**	10~14	67
		<175	Flexible	225	**JS1122AF**				**JS1122AF**			24	66
		<175	Flexible	225	**JS1122EF**				**JS1122EF**			18	66
		<175	Heavy	225	**JS1125VF**						**JS1125VF**	10~14	67
		<250	Heavy	300	**JS1225VF**						**JS1225VF**	10~14	67
	Pipes, profiles, thick-walled (open & closed) Coolant: cutting oil MAX RPM 500~2000	<100	Flexible	150	**JS922BF**							14	67
		<100	Progressive	150	**JS123XF**					**JS123XF**		8~14	66
		<100	Heavy	150	**JS925VF**						**JS925VF**	10~14	67
		<100	Heavy	150		**JS920CF**		**JS920CF**			**JS920CF**	9	68
		<150	Heavy	200	**JS1025VF**						**JS1025VF**	10~14	67
		<175	Flexible	225	**JS1122BF**				JS1122BF			14	67
		<175	Heavy	225	**JS1125VF**						**JS1125VF**	10~14	67
		<175	Heavy	225		**JS1120CF**		**JS1120CF**			**JS1120CF**	9	68
		<250	Heavy	300	**JS1225VF**						**JS1225VF**	10~14	67
	Pipes, profiles (solid) Coolant: cutting oil MAX RPM 500~2000	<100	Progressive	150	**JS123XF**					**JS123XF**		8~14	66
		<100	Flexible	150	**JS922BF**							14	67
		<100	Heavy	150		**JS920CF**		**JS920CF**			**JS920CF**	9	68
		<175	Flexible	225	**JS1122BF**					**JS1122BF**		14	67
		<175	Heavy	225		**JS1120CF**		**JS1120CF**			**JS1120CF**	9	68
SPECIAL	**Plasterboard**	<100	Heavy	150	**JS641HM**	**JS611DF**	**JS711DF**					6	64-66
	Fiber Cement panels	<215	Special	305		**JS1243HM**		**JS1243HM**				2	68
		<365	Special	455		**JS2243HM**		**JS2243HM**				2	68
	Porous concrete, red brick	<215	Special	305		**JS1243HM**		**JS1243HM**				2	68
		<365	Special	455		**JS2243HM**		**JS2243HM**				2	68

TIP: Using a lubricant can extend blade lifetime up to 500%.

BLADE LINE DESCRIPTIONS

Different lines help you choose the right blade for the task at hand.

BASIC: Cost effective

FLEXIBLE: Breakproof, long lifetime

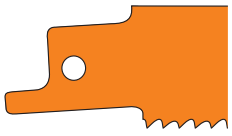
PROGRESSIVE: Fast cutting through thin and thick material

TOP: Fast and efficient

HEAVY: Sturdy and precise

12,7MM (1/2") UNIVERSAL SHANK

Fits: AEG, B&D, Bosch, DeWalt, Fein, Flex, Hilti, Makita, Metabo, Milwaukee, Porter Cable, Ridgid, Rothenberger, Ryobi, Skil.

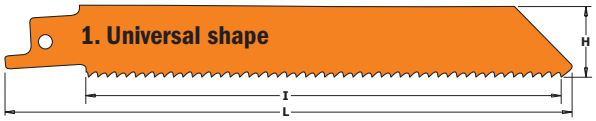


BLADES SHAPES & THICKNESS

Sabre Saw Blades vary in shape and thickness. These two characteristics are adjusted according to the demands of the application as well as the required flexibility. Rigorous applications such as cutting tube and pipe require thick robust blades, while less demanding applications require narrower blades.

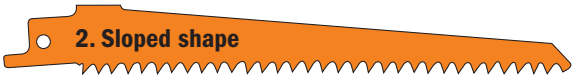
Blade shapes are divided into three categories below:

1. Universal shape



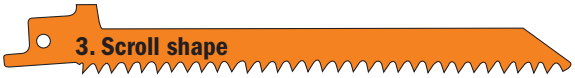
Universal blades are for general use. Their even width guarantees good cutting stability and excellent control. This enables straight edge cutting through many different materials.

2. Sloped shape



Sloped blades are commonly used for cutting wood and for demolition applications. Their narrow tip allows for plunge and curve cutting. This shape is rarely used for metal, since the tip does not have the strength required for this application.

3. Scroll shape



Scroll blades are especially used for curve cutting. The narrower the blade, the smaller the radius it can cut.

JS617K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	1,25	8,5	3	10	JS617K-5

Cuts coarse wood, free of nails (<100mm), pruning green wood (diameter <100mm), excellent for curved and plunge cutting.

JS1111K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	1,25	8,5	3	10	JS1111K-5

Coarse wood, free of nails (<175mm), firewood (diameter <175mm).

JS1617K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

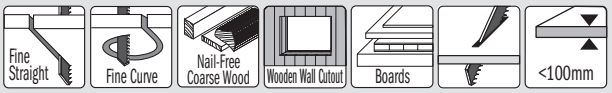
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	19	1,25	8,5	3	10	JS1617K-5

Coarse wood, free of nails (<250mm), pruning green wood (diameter <250mm).

JS644D

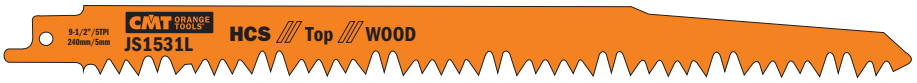
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	1,25	4,3	6	10	JS644D-5



Cuts construction wood (<100mm), wooden wall panels, particle board, chipboard, MDF (6-60mm), plywood, plastic (<100mm). Excellent for plunge cutting

JS1531L



WOOD · GROUND & TAPER GROUND TEETH · FAST CUT · HCS

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	240	220	19	1,50	5	5	10	JS1531L-5

Coarse wood, free of nails (<190mm), pruning green wood (diameter <190mm), firewood (diameter <190mm).

JS2345X

WOOD | GROUND & TAPER GROUND TEETH | FINE CUT | EASY CUT | HCS

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	200	180	19	1,25	2,4-4	6-10	10	JS2345X-5

Fine Straight | Construction | Wooden Wall Cutout | Boards | PVC Plastic | THIN & THICK | <150mm

Cuts construction wood (<150mm), particle board: chipboard, MDF (6-60mm), plywood, plastic (<150mm), wooden wall (<150mm). Effortless fine cutting.

JS922HF

WOOD&METAL | MILLED & SIDE SET TEETH | LONG LIFE | BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	2,5	10	10	JS922HF-5

Fine Straight | Pallets | Wood with Nails | Sheet Metal | Pipes | ALU Aluminium | <100mm

For pallet repair, wood with nails/metal (<100mm), sheet metal, pipe, aluminium profiles (3-12mm).

JS1122HF

WOOD&METAL | MILLED & SIDE SET TEETH | LONG LIFE | BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0,90	2,5	10	10	JS1122HF-5
20	225	205	19	0,90	2,5	10	5	JS1122HF-20

Flush Cut | Pallets | Wood with Nails | Sheet Metal | Pipes | ALU Aluminium | <175mm

For pallet repair, wood with nails/metal (<175mm), sheet metal, pipe, aluminium profiles (3-12mm). Flexible flush cutting.

JS3456XF

WOOD&METAL | MILLED & SIDE SET TEETH | XTREME CUT | LONG LIFE | FAST CUT | BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	200	180	19	1,25	2,1-4,3	6-12	10	JS3456XF-5
20	200	180	19	1,25	2,1-4,3	6-12	5	JS3456XF-20

Coarse Straight | Wood with Nails | Boards | Sheet Metal | Epoxy | THIN & THICK | <150mm

For cutting wood with nails or metal, chipboard less than 150mm (6") in thickness, sheet metal, aluminium profiles from 3mm to 18mm (1/8" - 3/4") in thickness, glass fiber reinforced plastic/epoxy less than 150mm (6") in thickness.

JS725VFR

WOOD&METAL | MILLED & SIDE SET TEETH | DEMOLITION | EASY CUT | LONG LIFE | BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	200	180	19	1,27	2,1-3,2	8-12	10	JS725VFR-5
20	200	180	19	1,27	2,1-3,2	8-12	5	JS725VFR-20

Fine Straight | Accurate Angle Cut | Pallets | Wood with Nails | Wooden Wall Cutout | THIN & THICK | <150mm

Special saw blade for pallet repairs. Cutting depth 150mm. Optimized saw blade dimensions for low vibration.

JS922VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	l mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	1,8-2,6	10-14	10	JS922VF-5

Cuts wood with nails/metal (<100mm), sheet metal, pipe, aluminium profiles (3-10mm), glass fiber reinforced plastic/epoxy (<100mm).

JS1122VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	l mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0,90	1,8-2,6	10-14	10	JS1122VF-5

Cuts wood with nails/metal (<175mm), sheet metal, aluminium profiles (3-10mm), glass fiber reinforced plastic/epoxy (<175mm). Flexible flush cutting.

JS1222VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

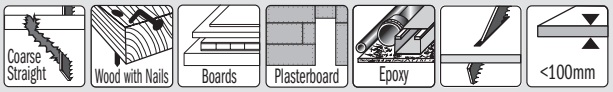
Pack Quantity	L mm	l mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	19	0,90	1,8-2,6	10-14	10	JS1222VF-5

Cuts wood with nails/metal (<250mm), sheet metal, aluminium profiles (3-10mm), glass fiber reinforced plastic/epoxy (<250mm). Flexible flush cutting.

JS611DF

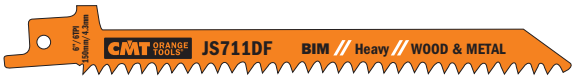
WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	l mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	1,25	4,3	6	10	JS611DF-5



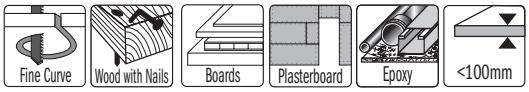
Cuts wood with nails/metal, chipboard (<100mm), plastic profiles (<100mm), glass fiber reinforced plastic/epoxy (<50mm), wood and metal window frames plasterboard. Excellent for plunge cutting.

JS711DF



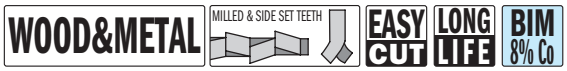
WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	l mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	12	1,25	4,3	6	10	JS711DF-5

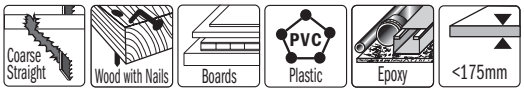


Cuts wood with nails/metal, chipboard (<100mm), glass fiber reinforced plastic/epoxy (<50mm), plasterboard. Excellent for curved cuts.

JS1111DF

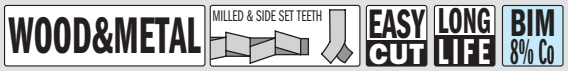


Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	1,25	4,3	6	10	JS1111DF-5
20	225	205	19	1,25	4,3	6	5	JS1111DF-20

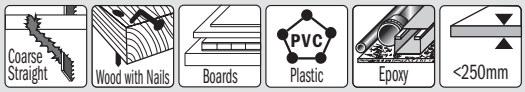


For cutting wood with nails or metal, chipboard less then 175mm (7") in thickness, plastic profiles less than 175mm in diameter (7") in diameter, glass fiber reinforced plastic/epoxy less than 50mm (2") in thickness.

JS1411DF

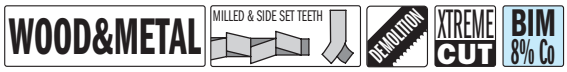


Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	19	1,25	4,3	6	10	JS1411DF-5

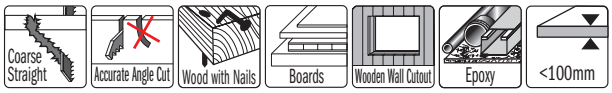


Cuts wood with nails/metal, chipboard (<250mm), glass fiber reinforced plastic/epoxy (<60mm).

JS610VF

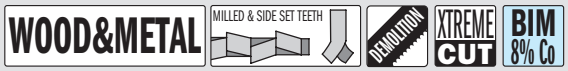


Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	22	1,60	3,2-5	5-8	10	JS610VF-5

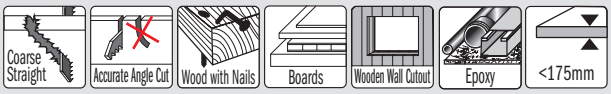


Cuts wood with nails/metal, wood, chipboard (<100mm), glass fiber reinforced plastic/epoxy and solid (<100mm), wood and metal wall cut-outs, (<100mm). Excellent for rescue/demolition work.

JS1110VF

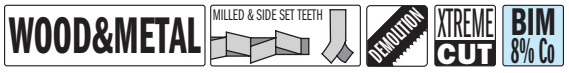


Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	22	1,60	3,2-5	5-8	10	JS1110VF-5
20	225	205	22	1,60	3,2-5	5-8	5	JS1110VF-20

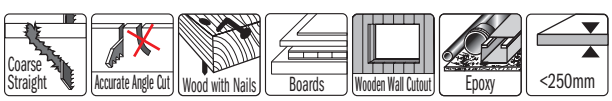


For cutting wood with nails or metal, chipboard, glass fiber reinforced with solid plastic epoxy, wooden and metal wall cutouts with less than 175mm (7") in thickness. For rescue and demolition work.

JS1210VF



Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	22	1,60	3,2-5	5-8	10	JS1210VF-5



Cuts wood with nails/metal, wood, chipboard (<250mm), glass fiber reinforced plastic/epoxy (<250mm), wood and metal wall cut-outs less than (<250mm). Excellent for rescue/demolition work.

JS641HM

SPECIAL · EASY CUT · FINE CUT · EXTRA LONG LIFE · HW

HW TOOTH

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
2	150	130	19	1,25	4,3	6	25	JS641HM-2

Cuts porous concrete, red brick, fiber cement, plasterboard, glass fiber reinforced plastic/epoxy (<100mm), wood & nails, Eternit®, MDF.

JS922AF

METAL · MILLED & WAVY SET TEETH · EASY CUT · FINE CUT · LONG LIFE · BIM 8% Co

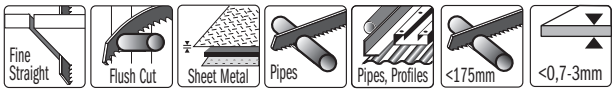
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	1	24	10	JS922AF-5

Cuts thin sheet metal (0,7-3mm), fine pipe and profiles (diameter <100mm). Effortless fine cuts.

JS1122AF

METAL · MILLED & WAVY SET TEETH · EASY CUT · FINE CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0,90	1	24	10	JS1122AF-5



Cuts thin sheet metal (0,7-3mm), fine pipe and profiles (diameter <175mm). Effortless fine cuts.

JS922EF

METAL · MILLED & WAVY SET TEETH · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	1,4	18	10	JS922EF-5
20	150	130	19	0,90	1,4	18	5	JS922EF-20

Cuts thin sheet metal (1,5-4mm), pipe and profiles (diameter <100mm).

JS1122EF

METAL · MILLED & WAVY SET TEETH · LONG LIFE · BIM 8% Co

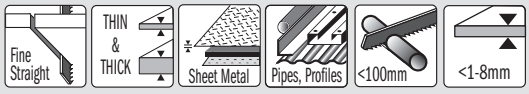
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0,90	1,4	18	10	JS1122EF-5
20	225	205	19	0,90	1,4	18	5	JS1122EF-20

Cuts thin sheet metal (1,5-4mm), pipe and profiles (diameter <175mm). Flexible flush cuts.

JS123XF

METAL · MILLED & SIDE SET TEETH · LONG LIFE · FAST CUT · BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	1,8-3,2	8-14	10	JS123XF-5



Cuts thin to thick sheet metal (1-8mm) and thin to thick profiles (diameter <100mm).

JS922BF

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0,90	1,8	14	10	**JS922BF-5**
20	150	130	19	0,90	1,8	14	5	**JS922BF-20**

Cuts thick sheet metal (3-8mm), solid pipe and profiles (diameter <100mm). Quick cutting.

JS1122BF

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0,90	1,8	14	10	**JS1122BF-5**
20	225	205	19	0,90	1,8	14	5	**JS1122BF-20**

Cuts thick sheet metal (3-8mm), solid pipe and profiles (diameter <175mm). Flexible flush cuts and quick cutting.

JS925VF

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	1,25	1,8-2,6	10-14	10	**JS925VF-5**

Cuts medium-thick to thick sheet metal (2-10mm), thin and thick-walled pipe and profiles (<100mm). Ideal for demolition work in metal. Effortless, fine cutting.

JS1025VF

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	200	180	19	1,25	1,8-2,6	10-14	10	**JS1025VF-5**

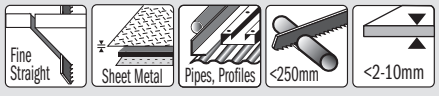
Cuts medium-thick to thick sheet metal (2-10mm), thin and thick-walled pipe and profiles (<150mm). Ideal for demolition work in metal. Effortless, fine cutting.

JS1125VF

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	1,25	1,8-2,6	10-14	10	**JS1125VF-5**

Cuts medium-thick to thick sheet metal (2-10mm), thin and thick-walled pipe and profiles (<175mm). Ideal for demolition work in metal. Effortless, fine cutting.

JS1225VF



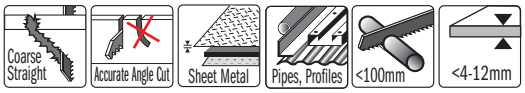
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	19	1,25	1,8-2,6	10-14	10	**JS1225VF-5**

Cuts medium-thick to thick sheet metal (2-10mm), thin and thick-walled pipe and profiles (<250mm). Ideal for demolition work in metal. Effortless, fine cutting.

JS920CF

METAL · MILLED & SIDE SET TEETH · DEMOLITION · XTREME CUT · LONG LIFE · BIM 8% Co

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	22	1,60	2,9	9	10	**JS920CF-5**

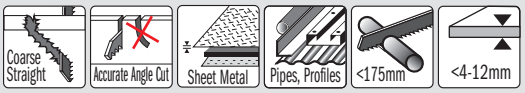


Cuts thick sheet metal (4-12mm), thick-walled pipe, solid pipe and profiles (<100mm). Ideal for pipe cutting, for rescue/demolition work.
Powerful, coarse cutting.

JS1120CF

METAL · MILLED & SIDE SET TEETH · DEMOLITION · XTREME CUT · LONG LIFE · BIM 8% Co

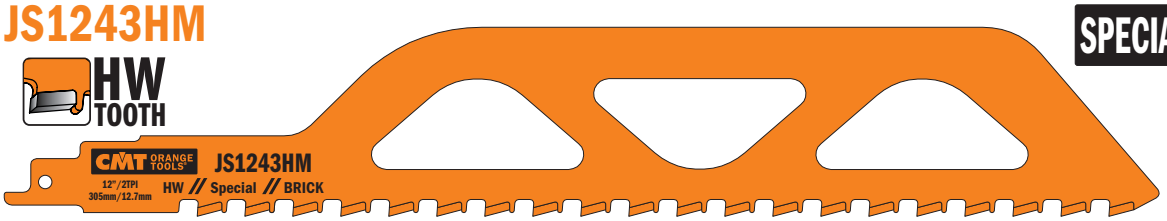
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	22	1,60	2,9	9	10	**JS1120CF-5**
20	225	205	22	1,60	2,9	9	5	**JS1120CF-20**



For cutting thick sheet metal from 4mm to 12mm (5/32" - 1/2") in thickness, thick-walled solid pipe and profiles less than 175mm (7") in thickness.
Ideal for pipe cutters, for rescue and demolition work. Powerful coarse cut.

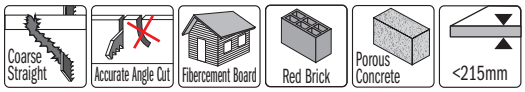
JS1243HM

HW TOOTH



SPECIAL · LONG LIFE · FAST CUT · HW

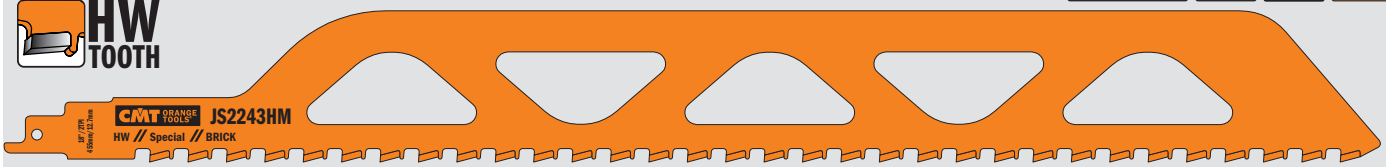
Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
1	305	250	50	1,50	12,7	2	25	**JS1243HM**



Cuts medium-sized brick up to a material thickness of 215mm.

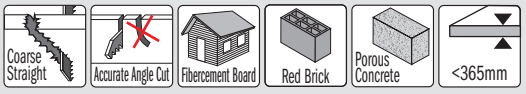
JS2243HM

HW TOOTH



SPECIAL · LONG LIFE · FAST CUT · HW

Pack Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
1	455	400	50	1,50	12,7	2	25	**JS2243HM**



Cuts large brick up to 365mm in thickness.

Tools for Multi-Cutters

PRODUCTS	PAGE
Starlock/StarlockPlus/StarlockMax Arbors	
Radial Saw Blade	73
Plunge and Flush-Cut for Wood	74~76
Plunge and Flush-Cut for Wood & Nails	76-77
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Scraper for all Materials	81
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Multipurpose set for Oscillantig Multi-Tools	82
Polishing Fleece	83
Sandpaper & Accessory for Wood	83

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Multipurpose set for Oscillantig Multi-Tools	93-94

CMT11 Oscillating Multi-Tools	355

MAXIMIZING YOUR WORK PERFORMANCE

HCS
HIGH CARBON STEEL
for cutting wood and plastic.

BIM 8% Co
BI-METAL WITH 8% COBALT
for cutting metal, nail embedded wood and plastic.

BIM TiN
BI-METAL WITH 8% COBALT WITH TITANIUM COATING
for cutting metal, nail embedded wood and plastic, providing extreme performance and 30% longer lifetime.

HW
TUNGSTEN CARBIDE TIPPED
for cutting wood, screws and nails, fiber cement board, plasterboard, plastic, sheet metal, copper, aluminium and stainless steel with double lifetime.

CARBIDE GRIT
TUNGSTEN CARBIDE GRIT COATED
for routing joints and grooves, smaller cutouts, routing recesses in several materials, from tiles, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

GRIT
DIAMOND GRIT COATED
for routing joints and grooves, smaller cutouts, routing recesses in several materials, from tiles, plasterboard, porous concretes, construction materials, epoxy and glass fibre providing extreme performance and longer lifetime.

Sawing & Cutting

Scraping & Rasping

Routing & Grinding

MULTI MATERIALS

Sanding, Cleaning & Polishing

APPLICATIONS

- GRINDING
- SAWING
- JOINT OPENING
- PLASTIC CUTTING
- CARPET REMOVAL
- PLUNGE CUTTING
- WOOD CUTTING
- CUTTING LAMINATE SHEETS
- TUBE LENGTH TRIMMING
- NAIL CUTTING

THE RIGHT BLADE FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose the right blade for your application.

WOOD | WOOD&NAILS | WOOD&METAL | METAL | MULTI-MAT | MASONRY

STARLOCK: THE NEW SYSTEM FOR OSCILLATING POWER TOOLS

Starlock enables extremely reliable and fast accessory changes in a record time of less than 3 seconds. It also guarantees a secure fit and therefore maximum power transfer. The result: up to around 35% faster performance depending on the accessory, noticeably improved precision and reduced noise. To protect the individual tools from overload and damage, the system is divided into 3 performance classes: **Starlock, StarlockPlus** and **StarlockMax**.

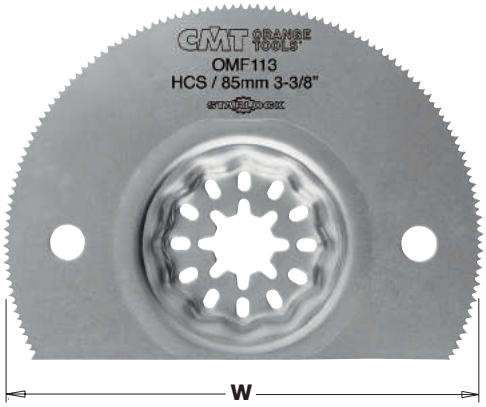
The performance potential of an oscillating tool can only be fully exploited with the right accessories.

The exceptional quality and service life of our accessories combined with the perfect results delivers excellent value for money.

WHICH POWER TOOLS ARE THE BLADES COMPATIBLES WITH?	STARLOCK SL	STARLOCK PLUS SLP	STARLOCK MAX SLM
AEG	●		
Bosch	●	●	●
CMT	●		
Craftsman	●	●	
Dewalt	●		
Dremel	●		
Einhell	●		
Fein Multi Talent/Multi Master	●	●	
Fein Supercut Automotive/Construction	●	●	●
Festool Vecturo	●	●	●
Hitachi	●		
Makita	●	●	
Metabo	●		
Milwaukee	●	●	
Ridgid	●		
Rockwell	●	●	
Ryoby	●	●	
Skil	●	●	
Worx	●		

Some brands may require an adapter

OMF113 STARLOCK



85mm Radial Saw Blade for Soft Materials

MULTI-MAT HCS

Softwood | Blockboard | PVC Plastic

Features: HCS with hardened teeth.

Material: Soft materials only.

Application: Segmented, ideal for corners, edges, flush to the surface. Prevents overcutting.

Pack Quantity	W mm	K mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	85	0,8	1,5	17	1	**OMF113-X1**
5 in clamshell	85	0,8	1,5	17	1	**OMF113-X5**

OMF106 STARLOCK

85mm Radial Saw Blade for Metal & Wood

WOOD&METAL HSS

Hard/Soft Wood | PVC Plastic | ALU Aluminium | Sheet Metal | Non-Ferrous Metals | Fiberglass | Cu Zn Non-Ferrous Metals | Pipes, Profiles | Epoxy

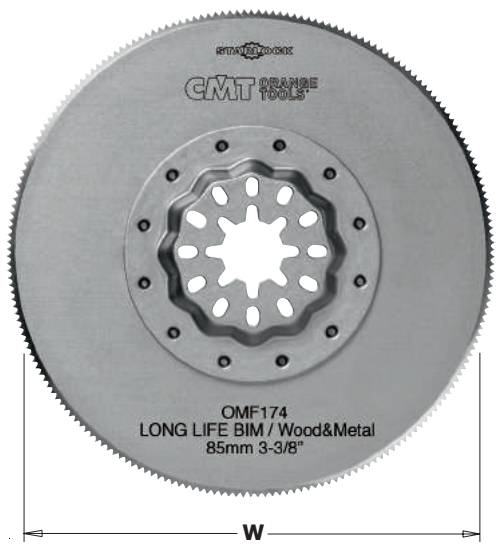
Features: HSS with metal toothing.

Material: For sheet metal up to 2mm, plastic, GFRP, wood, parquet flooring, glazing compound, brass, bronze and fiberglass.

Application: clean narrow cutting lines, excellent for corner work, flush to the surface.

Pack Quantity	W mm	K mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	85	0,5	1,34	19	1	**OMF106-X1**
5 in clamshell	85	0,5	1,34	19	1	**OMF106-X5**

OMF174 STARLOCK



85mm Circular Saw Blade for Metal & Wood. Long Life

WOOD&METAL BIM 8% Co

Hard/Soft Wood | PVC Plastic | ALU Aluminium | Sheet Metal | Cu Zn Non-Ferrous Metals | Pipes, Profiles | Fiberglass | 130% LONGER LIFE | LONG LIFE

Features: Reinforced teeth with Bi-metal 8% cobalt for long life.

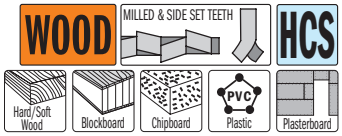
Material: For sheet metal up to 2mm, plastics, fiberglass, GFRP, wood, glazing compound, brass, bronze.

Application: Work flush to the surface, circular shape for increased cost-effectiveness.

Pack Quantity	W mm	K mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	85	0,7	1,27	20	1	**OMF174-X1**
5 in clamshell	85	0,7	1,27	20	1	**OMF174-X5**

OMF133 STARLOCK

35mm Plunge and Flush-Cut for Wood



Features: HCS with hardened teeth.

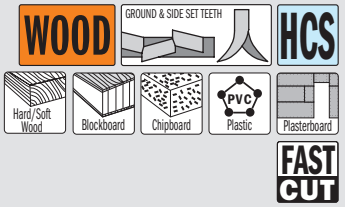
Material: For all wood products up to 50mm, plasterboard and soft plastics.

Application: Fast, easy precision cutting at any point in the material. Narrow waist means outstanding cutting speed and quality.

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	35	50	1,4	18	1	**OMF133-X1**
5 in clamshell	35	50	1,4	18	1	**OMF133-X5**
50 in masterpack	35	50	1,4	18	1	**OMF133-X50**

OMF126 STARLOCK

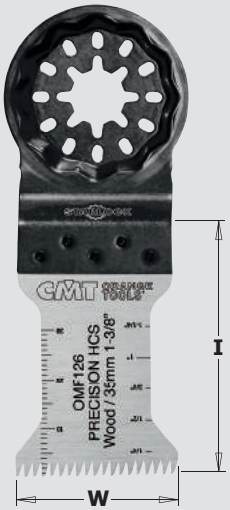
35mm Precision Cut, Japanese toothing for Wood



Features: HCS with hardened teeth featuring double-row pattern "Japanese toothing".

Material: For all wood products up to 50mm, blockboard, plasterboard and soft plastics.

Application: Excellent cutting quality and speed and outstanding precision.

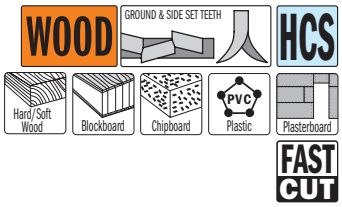


Japanese Toothing

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	35	50	1,75	14	1	**OMF126-X1**
5 in clamshell	35	50	1,75	14	1	**OMF126-X5**
50 in masterpack	35	50	1,75	14	1	**OMF126-X50**

OMF233 STARLOCK

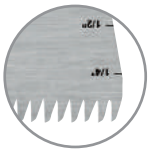
45mm Precision Cut, Japanese toothing for Wood



Features: HCS with hardened teeth featuring double-row pattern "Japanese toothing".

Material: For all wood products up to 50mm, blockboard, plasterboard and soft plastics.

Application: Excellent cutting quality and speed, outstanding precision. Medium width waist for a wide range of applications.

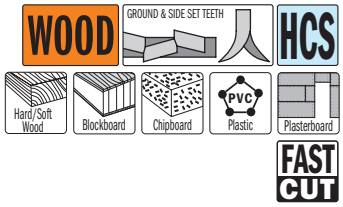


Japanese Toothing

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	45	50	1,75	14	1	**OMF233-X1**
5 in clamshell	45	50	1,75	14	1	**OMF233-X5**
50 in masterpack	45	50	1,75	14	1	**OMF233-X50**

OMF230 STARLOCK

35mm Precision Cut, Japanese toothing for Wood



Features: HCS with hardened teeth featuring hooked cutting geometry

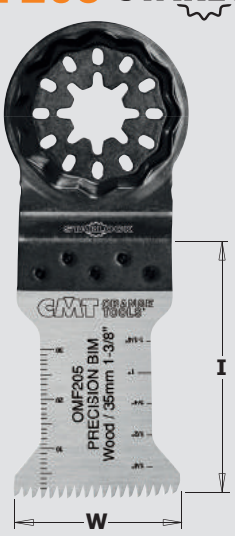
Material: For all wood products, blockboard, plasterboard and plastics

Application: Wide shape for long, straight, clean cuts and maximum cutting performance with good cutting speed.

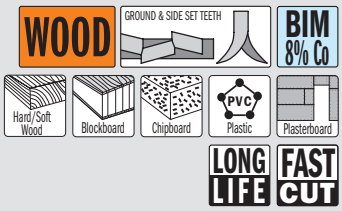
Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	65	50	1,75	14	1	**OMF230-X1**
5 in clamshell	65	50	1,75	14	1	**OMF230-X5**
50 in masterpack	65	50	1,75	14	1	**OMF230-X50**

Japanese Toothing

OMF205 STARLOCK



35mm Precision Cut, Japanese toothing for Wood. Long Life

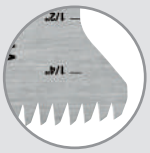


Features: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese toothing" for guaranteed long life.

Material: For all wood materials up to 50mm, blockboard, plasterboard and soft plastics.

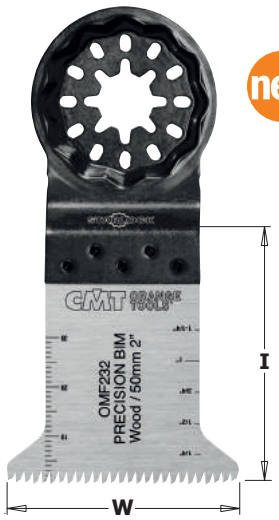
Application: Accelerated work performance with optimal precision and speed. Plunge easily at any point in the material. Outstanding cutting quality.

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	35	50	1,75	14	1	**OMF205-X1**
5 in clamshell	35	50	1,75	14	1	**OMF205-X5**
50 in masterpack	35	50	1,75	14	1	**OMF205-X50**

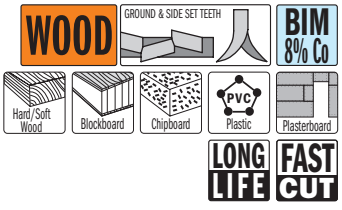


Japanese Toothing
With reduced teeth height for longer lifetime

OMF232 STARLOCK



45mm Precision Cut, Japanese toothing for Wood. Long Life

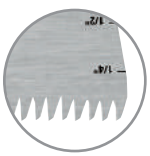


Features: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese toothing" for guaranteed long life.

Material: For all wood products up to 50mm, blockboard, plasterboard and soft plastics

Application: Medium width waist for outstanding cutting speed and maximum precision. Plunge easily at any point in the material. Exceptional cutting quality and a wide range of applications.

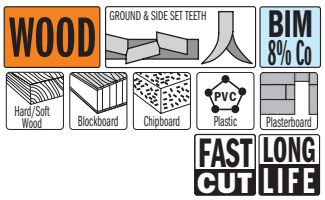
Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	45	50	1,75	14	1	**OMF232-X1**
5 in clamshell	45	50	1,75	14	1	**OMF232-X5**
50 in masterpack	45	50	1,75	14	1	**OMF232-X50**



Japanese Toothing
With reduced teeth height for longer lifetime

OMF229 STARLOCK

65mm Precision Cut, Japanese toothing for Wood. Long Life



Features: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese toothing" for guaranteed long life.

Material: For all wood products, blockboard, plasterboard and soft plastics.

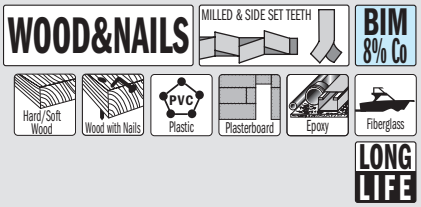
Application: Superb long straight cuts, extra wide shape for maximum cutting and fast progression. Extremely durable and sturdy.

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	65	50	1,75	14	1	**OMF229-X1**
5 in clamshell	65	50	1,75	14	1	**OMF229-X5**
50 in masterpack	65	50	1,75	14	1	**OMF229-X50**

Japanese Toothing
Reduced tooth height
to maximize lifetime

OMF184 STARLOCK

10mm Plunge and Flush-Cut for Wood & Nails. Long Life



Features: Reinforced teeth with Bi-metal 8% Cobalt for long life.

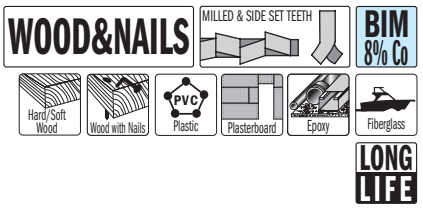
Material: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete

Application: Long, super-narrow shape perfect for the smallest cut-outs and tightest groove work.

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	10	30	1,4	18	1	**OMF184-X1**
5 in clamshell	10	30	1,4	18	1	**OMF184-X5**
50 in masterpack	10	30	1,4	18	1	**OMF184-X50**

OMF183 STARLOCK

20mm Plunge and Flush-Cut for Wood & Nails. Long Life



Features: Reinforced teeth with Bi-metal 8% Cobalt for long life.

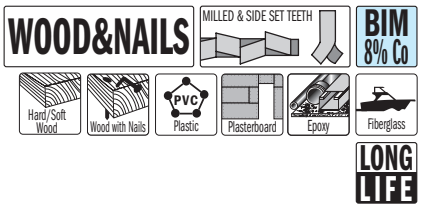
Material: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

Application: Short, medium-width shape ideal for groove work and cut-outs. Clean cuts and superb performance for detail oriented jobs. Extreme durability and sturdy.

Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	20	34	1,4	18	1	**OMF183-X1**
5 in clamshell	20	34	1,4	18	1	**OMF183-X5**
50 in masterpack	20	34	1,4	18	1	**OMF183-X50**

OMF160 STARLOCK

35mm Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.

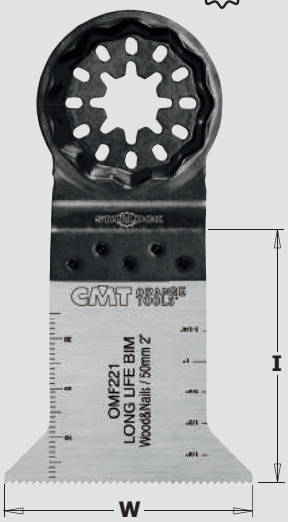
MATERIAL: For all wood products, blockboard, plasterboard, fiberglass, epoxy and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

APPLICATION: Medium width waist ensures superb cutting speed and quality. Plunge easily at any point in the material.

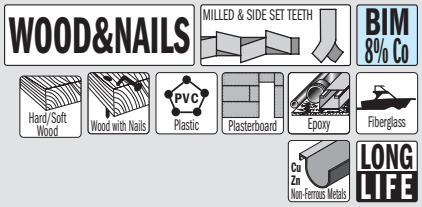
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	35	50	1,4	18	1	**OMF160-X1**
5 in clamshell	35	50	1,4	18	1	**OMF160-X5**
50 in masterpack	35	50	1,4	18	1	**OMF160-X50**

Join us on our YouTube

OMF221 STARLOCK



50mm Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.

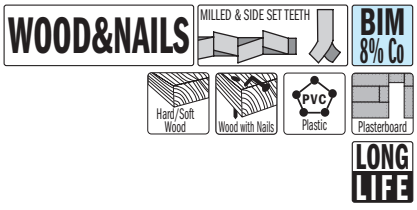
MATERIAL: For all wood products, blockboard, plasterboard, metal, and non-ferrous pipe and profiles such as copper, aluminum and brass as well as soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

APPLICATION: Medium width waist ensures superb cutting speed and quality. Plunge easily at any point in the material.

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	50	50	1,4	18	1	**OMF221-X1**
5 in clamshell	50	50	1,4	18	1	**OMF221-X5**
50 in masterpack	50	50	1,4	18	1	**OMF221-X50**

OMF228 STARLOCK

65mm Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.

MATERIAL: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm.

APPLICATION: Superb long straight, clean cuts: Extra wide shape for maximum cutting performance. Extremely durable and sturdy.

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	65	50	1,4	18	1	**OMF228-X1**
5 in clamshell	65	50	1,4	18	1	**OMF228-X5**
50 in masterpack	65	50	1,4	18	1	**OMF228-X50**

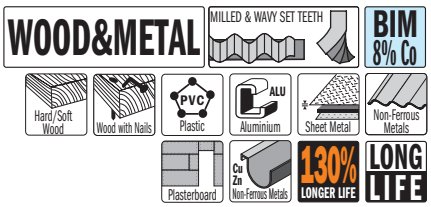
OMF222 STARLOCK

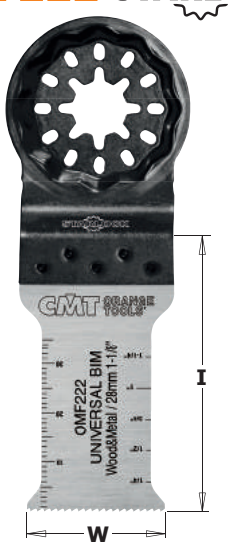
28mm Plunge and Flush-Cut for Wood & Metal. Long Life

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life featuring milled & wavy universal toothing.

MATERIAL: For sheet metal up to 2mm, wood products, plasterboard and soft plastics, non-ferrous pipe and profiles such as copper, aluminum and brass.

APPLICATION: Fast, easy precision cutting at any point in the material. Narrow waist means outstanding cutting speed and quality. Plunge easily at any point in the material.





Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	28	55	1,4	18	1	**OMF222-X1**
5 in clamshell	28	55	1,4	18	1	**OMF222-X5**
50 in masterpack	28	55	1,4	18	1	**OMF222-X50**

WAVY UNIVERSAL TOOTHING

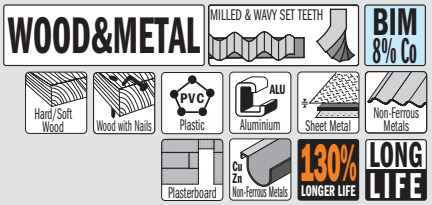
OMF223 STARLOCK

44mm Plunge and Flush-Cut for Wood & Metal. Long Life

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life featuring milled & wavy universal toothing.

MATERIAL: For sheet metal up to 2mm, wood products, plasterboard and soft plastics, non-ferrous pipe and profiles such as copper, aluminum and brass.

APPLICATION: Fast, easy precision cutting at any point in the material. Wide waist means outstanding cutting speed and quality. Plunge easily at any point in the material.



Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	44	55	1,4	18	1	**OMF223-X1**
5 in clamshell	44	55	1,4	18	1	**OMF223-X5**
50 in masterpack	44	55	1,4	18	1	**OMF223-X50**

WAVY UNIVERSAL TOOTHING

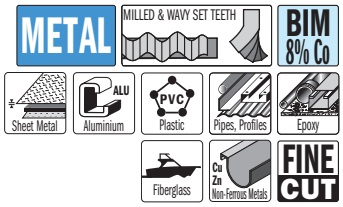
OMF157 STARLOCK

30mm Plunge and Flush-Cut for Metal. Fine Cut

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life featuring thin kerf.

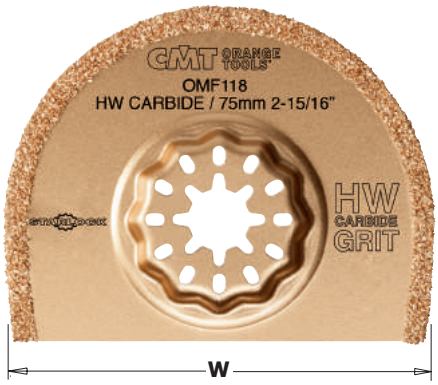
MATERIAL: For sheet metal up to 2mm, hard plastics, non-ferrous pipe and profiles such as copper, aluminum and brass, and fiberglass (GFRP)

APPLICATION: For fine, thin and precise cuts. Easy control.
Medium waist for faster cutting and good swarf evacuation.

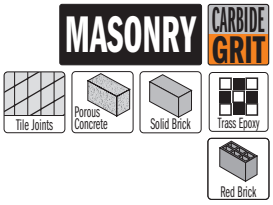


Pack Quantity	W mm	I mm	TS mm	TPI		ORDER NO. Starlock
1 in clamshell	30	50	1,2	21	1	**OMF157-X1**
5 in clamshell	30	50	1,2	21	1	**OMF157-X5**
50 in masterpack	30	50	1,2	21	1	**OMF157-X50**

OMF118 STARLOCK



75mm Carbide Grit Radial Saw Blade



Features: Carbide Grit Radial saw blade, segmented.

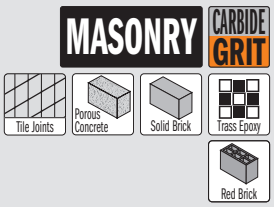
Material: For tile joints, plasterboard, porous concrete, construction materials and reworking or cleaning planked deck joints.

Application: An economic option to diamond tools. For milling wall joints or floors, carving grooves on porous concrete, laying concealed cables or pipes. Ideal for working close to corners and edges. Not suitable for joint work on very hard epoxy resin or cement joints.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
1 in clamshell	75	2,2	1	**OMF118-X1**
5 in clamshell	75	2,2	1	**OMF118-X5**

OMF125 STARLOCK

75mm Carbide Grit Radial Saw Blade



Features: Carbide Grit Radial Saw Blade, segmented.

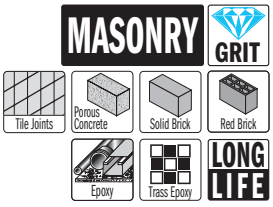
Material: For tile joints, plasterboard, porous concrete, construction materials and reworking or cleaning planked deck joints.

Application: An economic option to diamond tools. For milling wall joints or floors, carving grooves on porous concrete for the purpose of laying concealed cables or pipes. Ideal for working close to corners and edges. Not suitable for joint work on very hard epoxy resin or cement joints.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
1 in clamshell	75	1,2	1	**OMF125-X1**
5 in clamshell	75	1,2	1	**OMF125-X5**

OMF114 STARLOCK

75mm Diamond Coated Extra-Long Life Radial Saw Blade



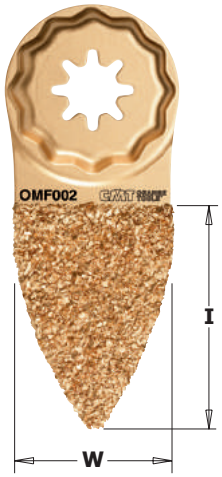
Features: Diamond coated Radial Saw Blade for extra-long lifetime.

Material: For tiles, plasterboard, porous concrete, construction materials and reworking planked deck joints. Suitable for hard epoxy resin and cement joints.

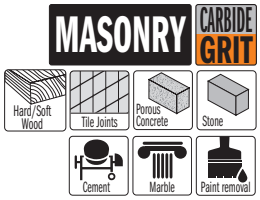
Application: Best for frequent use and challenging jobs. For milling wall joints, carving grooves in porous concrete for the purpose of laying concealed cables and pipes. Ideal for working close to corners and edges. Cutting width approx. 2.2mm.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
1 in clamshell	75	2,2	1	**OMF114-X1**
5 in clamshell	75	2,2	1	**OMF114-X5**

OMF002 STARLOCK PLUS



45mm Double-Face Carbide Grit Fingertip Rasp



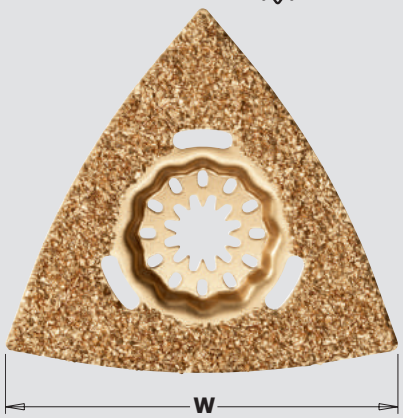
FEATURES: Double-sided Carbide Grit.

MATERIAL: For tiles, plasterboard, porous concrete, stone, construction materials, wood and carpet adhesives.

APPLICATION: Fingertip rasp perfect for coarse grinding in tight corners, grooves, channels, openings, slots, gaps and rabbets. For mold-making in curves, slots and artistic work.

PACK Quantity	W mm	I mm		ORDER NO. StarlockPlus
1 in clamshell	33	45	1	**OMF002-X1**

OMF001 STARLOCK



80mm Carbide Grit Delta Rasp

FEATURES: Carbide Grit Delta Rasp.

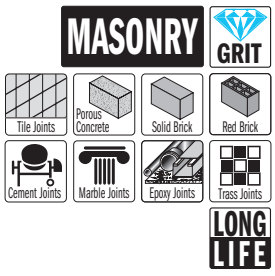
MATERIAL: For tiles and tile adhesives, plasterboard, porous concrete, stone, fiberglass, plastics, construction material, wood and carpet adhesives.

APPLICATION: For tight corners and cramped work areas and for removing mortar and adhesives, removing carpet adhesive residues, rasping wood, rough grinding of filler and tile adhesive.

PACK Quantity	W mm		ORDER NO. Starlock
1 in clamshell	80	1	**OMF001-X1**

OMF243 STARLOCK MAX

60mm Diamond Coated Extra-Long Life Segment Saw Blade



FEATURES: Diamond coated for extra-long life, Segmented Saw Blade.

MATERIAL: For tiles, marble, hard epoxy resins and cement grouts.

APPLICATION: Best for frequent use and challenging jobs in tight corners and edges. Efficient shape allows aggressive grinding without damaging tile. Cuts out marble and trass concrete joints, great for sinking ducts in plaster, pumice, brick and honeycomb stone as well as autoclave aerated concrete. Cutting width approx. 2.2mm

PACK Quantity	W mm	K mm		ORDER NO. StarlockMax
1 in clamshell	60	2,2	1	**OMF243-X1**

OMF226 STARLOCK

52mm Rigid Scraper Blade for All Materials

MULTI-MAT | 52mm | 60mm | Sharp Blade | HL | Paint removal | Tile Joints | Carpet

Features: Rigid Scraper in HL.

Material: Removes tough paint layers and stubborn adhesive residues, scrapes away carpet, tile adhesives and underseal.

Application: For a wide range of applications: Removes mortar or tile adhesives and concrete residues. Scrapes away hard, brittle carpet adhesive residue.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
1 in clamshell	52	0,8	1	**OMF226-X1**

OMF165 STARLOCK

52mm Flexible Scraper Blade for All Materials

MULTI-MAT | 52mm | 60mm | Sharp Blade | HL | Paint removal | Tile Joints | Carpet

Features: Flexible Scraper in HL.

Material: Soft and semi-soft materials like silicone, caulking for plumbing jobs and stickers.

Application: For a wide range of applications: removes soft carpet adhesive residue, paint residues and silicone joints.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
1 in clamshell	52	0,4	1	**OMF165-X1**

OMF245 STARLOCK

70mm "Mushroom-Shaped" Cutting Blade for All Materials

MULTI-MAT | 70mm | Sharp Blade | HL

Features: "Mushroom Shaped" blade in HL.

Material: For cutting silicone, caulking, soft putty as well as glazing compounds.

Application: Blade shape keeps hands safely away from broken glass when repairing window panes and/or separating insulated glass panels.

Pack Quantity	W mm	K mm		ORDER NO. Starlock
5 in clamshell	70	0,4	1	**OMF245-X5**

OMF201 STARLOCK PLUS

new

KERF THICKNESS

4mm Angled Gouging Blade

SPECIAL HCS

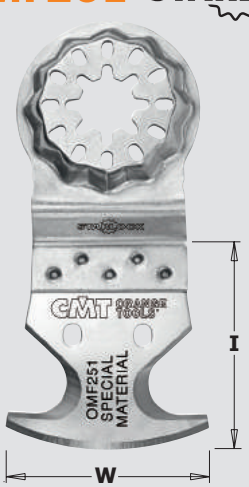
FEATURES: Angled Gouging blade in HCS.

MATERIAL: For cutting, gouging and digging out soft materials like sealant, caulk and silicone from tight recesses.

APPLICATION: For cleaning out tight notches and narrow recesses or crevices. Specialized blade for boat maintenance such as cabins, rails, gunwales, cleats and curves. Ideal for cutting out sealant on boats with panelled decks.

PACK Quantity	K mm	W mm	I mm		ORDER NO. StarlockPlus
1 in clamshell	4	16	11	1	**OMF201-X1**

OMF251 STARLOCK



new

3 CUTTING SURFACES

41mm Multi-Knife with Three Cutting Surfaces

SPECIAL HCS

FEATURES: Multi-Knife, segmented with three cutting surfaces.

MATERIAL: For cutting carpet, soft materials like sealant and foam insulation, leather goods, PVC flooring, cardboard, bitumen shingles and roofing paper.

APPLICATION: Unique shape means that material can be cut simply by pulling, pushing or pressing. Ideal for grout between tiles and removing carpet, PVC floors, cardboard, bitumen shingles and roofing fabric.

PACK Quantity	W mm	I mm		ORDER NO. Starlock
1 in clamshell	41	41	1	**OMF251-X1**

OMF-X4 STARLOCK

new

4 piece Multipurpose Set for Oscillating Multi-tools

- 2 blades with Japanese Toothing for all wood products, blockboard, plasterboard and plastics.
- 2 blades in BIM for all wood products, blockboard, plasterboard, fiberglass, epoxy and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

WOOD WOOD&NAILS

8 Sets in End-cap display
(minimum order 8 sets)

PACK Quantity	MATERIAL	W mm	I mm	TS mm	TPI		ORDER NO.
1	HCS	35	50	1,75	14	8	**OMF126-X1**
1	BIM	35	50	1,4	18	8	**OMF160-X1**
1	BIM	50	50	1,4	18	8	**OMF221-X1**
1	HCS	65	50	1,75	14	8	**OMF230-X1**

OMF136 STARLOCK

93mm Delta Sanding Pad, Perforated

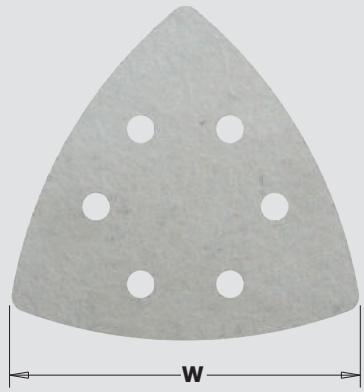
MULTI-MAT

FEATURES: perforated Sanding pad with micro Velcro®-type fastening system. Quick, easy sanding sheet changes.

APPLICATION: perfectly sands surfaces on any material. Comprehensive range of sanding sheets permits a wide range of sanding applications.

PACK Quantity	W mm		ORDER NO. Starlock
1 in clamshell	93	1	**OMF136-X1**

OMA30000



93mm Delta Polishing Fleece, Perforated

MULTI-MAT

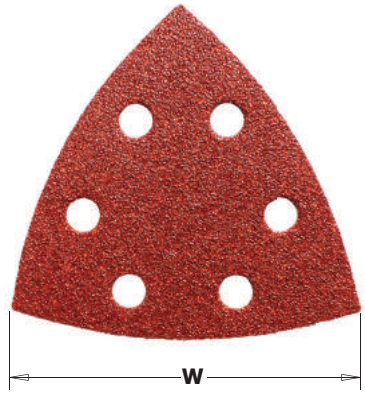
Glass · Hard/Soft Wood · Sheet Metal

FEATURES: Delta Polishing Fleece with micro Velcro®-type to be use with our sku # OMM30 and # OMS30 and # OMF136.

APPLICATION: wide range of applications: suitable for bringing out grain in wood (rustic look), de-rusting metal, matte sanding varnished surfaces and glass, removing dirt and deposits without altering the workpiece surface.

PACK Quantity	W mm		ORDER NO.
4 in clamshell	93	10	**OMA30000-X4**

OMA30



93mm Aluminium-Oxide Delta Sandpaper for Wood, Perforated

WOOD

Construction · Plywood · Hard/Soft Wood

FEATURES: Delta Sandpaper lined with self adhesive micro Velcro® - for use with skus #OMM30 and #OMS30 and #OMF136.

APPLICATION: wide range of applications: suitable for sanding all types of wood, chipboard, plywood, construction boards, for pre-sanding of rough, uneven beams and boards. Best results achieved with dust extractor. Aluminium-Oxide abrasive grain and full resin bond guarantee high abrasion performance.

PACK Quantity	W mm	GRIT		ORDER NO.
10 in clamshell	93	40	10	**OMA30040-X10**
10 in clamshell	93	60	10	**OMA30060-X10**
10 in clamshell	93	80	10	**OMA30080-X10**
10 in clamshell	93	100	10	**OMA30100-X10**
10 in clamshell	93	120	10	**OMA30120-X10**
10 in clamshell	93	180	10	**OMA30180-X10**
10 in clamshell	93	240	10	**OMA30240-X10**

THE RIGHT BLADE FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose the right blade for your application.

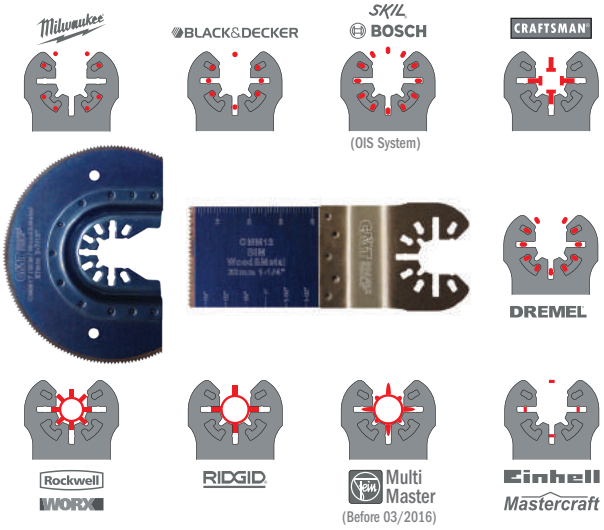
WOOD

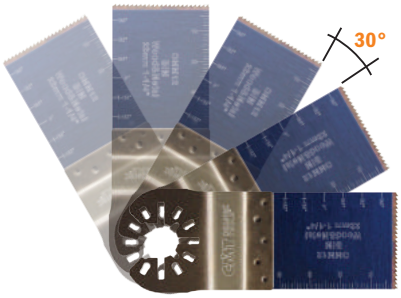
WOOD&METAL

MULTI-MAT

MASONRY

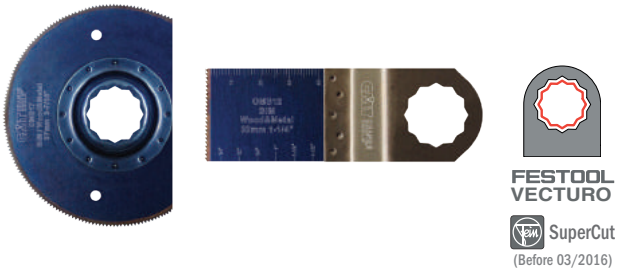
CMT Universal arbor fits directly onto almost all different commercially available multitools

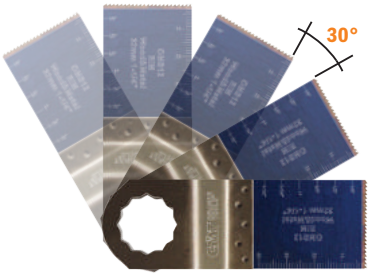




This tool mount also enables the accessory to be repositioned in 30-degree steps.

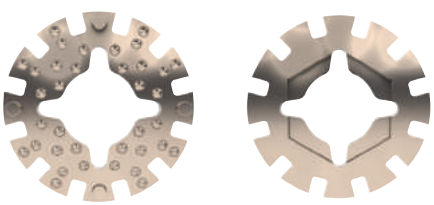
Arbor for Fein® SuperCut and Festool® Vecturo





This tool mount also enables the accessory to be repositioned in 30-degree steps.

OMA31



Universal Adapters

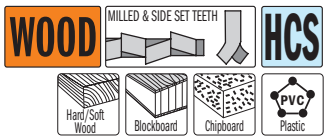
Hardwearing universal adapter allowing your CMT to attach multi-tool blades that do not have matching shanks. Fits snugly and does not slip.
Ideal for Bosch, Chicago, Craftsman, Dremel, Fein, Makita, Milwaukee, Mastercraft, Ozito, Aeg, Ridgid, Rockwell, Smart, Worx.

Pack Quantity		ORDER NO.
2 in clamshell	10	OMA31-X2

OMM01 / OMS01

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

10mm Plunge and Flush-Cut for Wood



Features: HCS with hardened teeth.

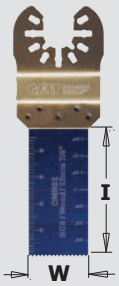
Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, adjustment work in wood like sawing recesses for locks and fitting, window and door hardware.

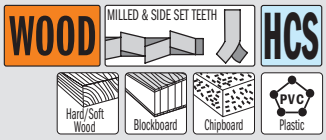
Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	10	28	18	10	**OMM01-X1**	**OMS01-X1**

OMM02 / OMS02

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



22mm Plunge and Flush-Cut for Wood



Features: HCS with hardened teeth.

Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

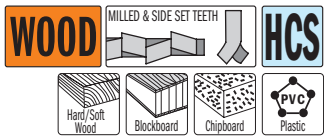
Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	22	48	18	10	**OMM02-X1**	**OMS02-X1**
5 in clamshell	22	48	18	5	**OMM02-X5**	**OMS02-X5**

OMM03 / OMS03

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

28mm Plunge and Flush-Cut for Wood



Features: HCS with hardened teeth.

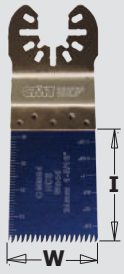
Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

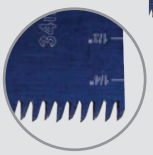
Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	28	48	18	10	**OMM03-X1**	**OMS03-X1**
new 50 in masterpack	28	48	18	2	**OMM03-X50**	**OMS03-X50**

OMM04 / OMS04

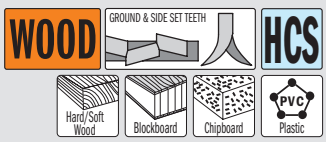
Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo





Japanese Toothing

34mm Precision Cut, Japanese toothing for Wood



Features: HCS with "Japanese" double-row pattern, hardened teeth.

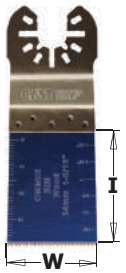
Material: for wood, timber, blockboard, chipboard.

Application: ground and side set teeth for precision, clean, quick cutting into soft wood and timber. This tooth pattern with its longer teeth allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood.

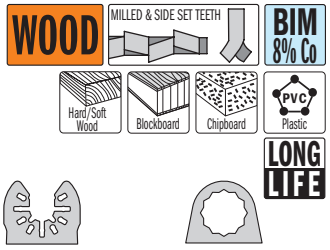
Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	34	40	14	10	**OMM04-X1**	**OMS04-X1**
5 in clamshell	34	40	14	5	**OMM04-X5**	**OMS04-X5**
50 in masterpack	34	40	14	2	**OMM04-X50**	**OMS04-X50**

OMM05 / OMS05

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



34mm Extra-Long Life Plunge and Flush-Cut for Wood



Features: Bi-metal with 8% Cobalt teeth guarantee extra-long life.

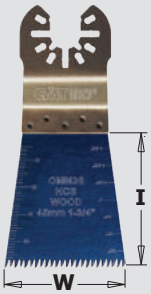
Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	34	40	18	10	**OMM05-X1**	**OMS05-X1**
5 in clamshell	34	40	18	5	**OMM05-X5**	**OMS05-X5**
50 in masterpack	34	40	18	2	**OMM05-X50**	**OMS05-X50**

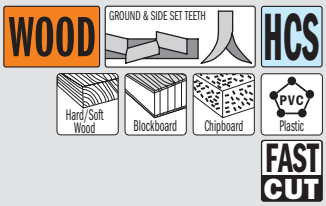
OMM36 / OMS36

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



Japanese Toothing

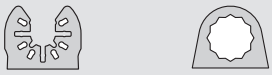
45mm Precision Cut, Japanese toothing for Wood



Features: HCS with "Japanese" double-row pattern, hardened teeth.

Material: for wood, timber, blockboard, chipboard.

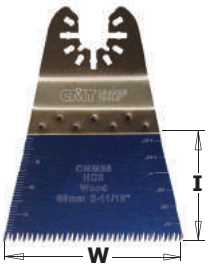
Application: ground and side-set teeth for precision, clean, quick cutting into soft wood and timber. This tooth pattern with its longer teeth allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood. Ideal width for creating long flat horizontal cuts like: door jambs and skirting board.

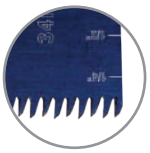


Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
5 in clamshell	45	50	14	5	**OMM36-X5**	**OMS36-X5**
50 in masterpack	45	50	14	2	**OMM36-X50**	**OMS36-X50**

OMM06 / OMS06

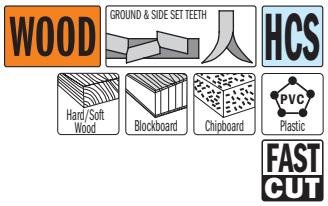
Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo





Japanese Toothing

68mm Precision Cut, Japanese toothing for Wood



Features: HCS with "Japanese" double-row pattern, hardened teeth.

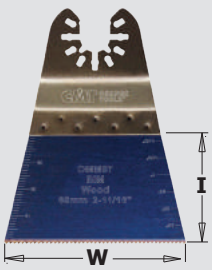
Material: for wood, timber, blockboard, chipboard.

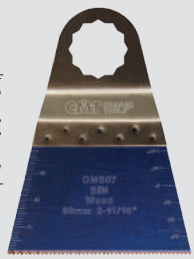
Application: ground and side-set teeth for precision, clean, quick cutting into soft wood and timber. This tooth pattern with its longer teeth allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood. Ideal width for creating long flat horizontal cuts like: door jambs and skirting board.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	68	40	14	10	**OMM06-X1**	**OMS06-X1**
5 in clamshell	68	40	14	5	**OMM06-X5**	**OMS06-X5**
50 in masterpack	68	40	14	2	**OMM06-X50**	**OMS06-X50**

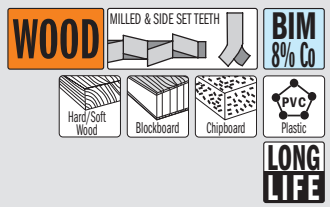
OMM07 / OMS07

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo





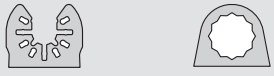
68mm Extra-Long Life Plunge and Flush-Cut for Wood



Features: Bi-metal with 8% Cobalt teeth guarantee extra-long life.

Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.

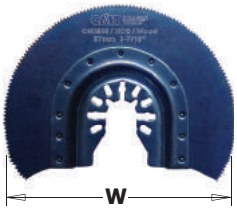


Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	68	40	18	10	**OMM07-X1**	**OMS07-X1**
5 in clamshell	68	40	18	5	**OMM07-X5**	**OMS07-X5**
50 in masterpack	68	40	18	2	**OMM07-X50**	**OMS07-X50**

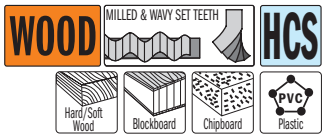
OMM08 / OMS08

OMM08 Universal Arbor

OMS08 Arbor for Fein® SuperCut Festool® Vecturo



87mm Radial Saw Blade for Wood



Features: HCS with hardened teeth.

Material: for wood, blockboard, chipboard, plastic, pipes and profiles.

Application: wide range of applications: installing a ventilation grille, cutting a recess in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons).
Cutting a plastic pipe (PVC) to length.

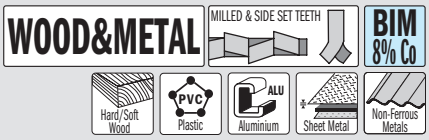
Pack Quantity	W mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	87	18	10	OMM08-X1	OMS08-X1

OMM09 / OMS09

OMM09 Universal Arbor

OMS09 Arbor for Fein® SuperCut Festool® Vecturo

10mm Plunge and Flush-Cut for Wood & Metal



Features: Bi-metal with 8% Cobalt teeth.

Material: for wood, chipboard, plastic, sheet metal, copper and aluminium pipes and profiles.

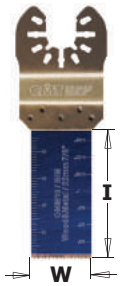
Application: wide range of applications: flush-cutting a nail in wood, adjustment work on non-ferrous profiles, plunge-cutting in plasterboard.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	10	28	18	10	OMM09-X1	OMS09-X1
5 in clamshell	10	28	18	5	OMM09-X5	OMS09-X5
50 in masterpack	10	28	18	2	OMM09-X50	OMS09-X50

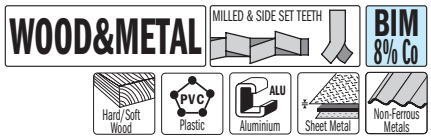
OMM10 / OMS10

OMM10 Universal Arbor

OMS10 Arbor for Fein® SuperCut Festool® Vecturo



22mm Plunge and Flush-Cut for Wood & Metal



Features: Bi-metal with 8% Cobalt teeth.

Material: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

Application: wide range of applications: flush-cutting a nail in wood, cutting copper pipes, plunge-cutting in plasterboard.

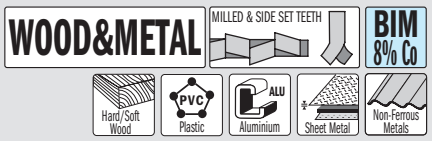
Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	22	48	18	10	OMM10-X1	OMS10-X1
5 in clamshell	22	48	18	5	OMM10-X5	OMS10-X5
50 in masterpack	22	48	18	2	OMM10-X50	OMS10-X50

OMM11 / OMS11

OMM11 Universal Arbor

OMS11 Arbor for Fein® SuperCut Festool® Vecturo

28mm Plunge and Flush-Cut for Wood & Metal



Features: Bi-metal with 8% Cobalt teeth.

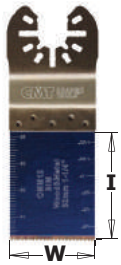
Material: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

Application: wide range of applications: flush-cutting a nail in wood, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	28	48	18	10	OMM11-X1	OMS11-X1
5 in clamshell	28	48	18	5	OMM11-X5	OMS11-X5
50 in masterpack	28	48	18	2	OMM11-X50	OMS11-X50

OMM12 / OMS12

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



32mm Plunge and Flush-Cut for Wood & Metal

WOOD&METAL · MILLED & SIDE SET TEETH · BIM 8% Co

Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

FEATURES: Bi-metal with 8% Cobalt teeth.

MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

APPLICATION: wide range of applications: flush-cutting a nail in wood, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	32	40	18	10	**OMM12-X1**	**OMS12-X1**
5 in clamshell	32	40	18	5	**OMM12-X5**	**OMS12-X5**
50 in masterpack	32	40	18	2	**OMM12-X50**	**OMS12-X50**

OMM13 / OMS13

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

32mm Extra-Long Life Plunge & Flush-Cut for Wood & Metal

WOOD&METAL · MILLED & SIDE SET TEETH · BIM TiN

Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

130% LONGER LIFE · LONG LIFE

FEATURES: TiN Coated Bi-metal with 8% Cobalt teeth.

MATERIAL: for wood and nails, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

APPLICATION: wide range of applications: flush-cutting a nail in wood, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard. Tooth strip coated with titanium nitride for 30% longer life.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	32	40	18	10	**OMM13-X1**	**OMS13-X1**
5 in clamshell	32	40	18	5	**OMM13-X5**	**OMS13-X5**
50 in masterpack	32	40	18	2	**OMM13-X50**	**OMS13-X50**

OMM14 / OMS14

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

35mm Extra-Long Life Plunge & Flush-Cut for Wood & Metal

WOOD&METAL · HW

Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

2X LONGER LIFE · LONG LIFE

FEATURES: High Quality carbide teeth.

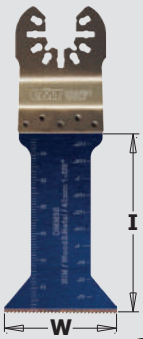
MATERIAL: for wood, hardened screws and nails, plasterboard, plastic, sheet metal, copper, aluminium and stainless steel.

APPLICATION: wide range of applications: cutting hardened screws/nails, Cutting stainless steel like kitchen front covers, plunge cuts in severely abrasive materials like fiberglass.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	35	40	20	10	**OMM14-X1**	**OMS14-X1**

OMM35 / OMS35

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



EXTRA LONG

new

42mm Plunge and Flush-Cut for Wood & Metal

WOOD&METAL · MILLED & SIDE SET TEETH · BIM 8% Co

Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

FEATURES: Bi-metal with 8% Cobalt teeth.

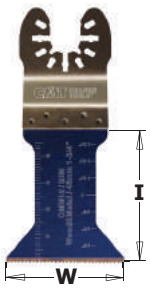
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

APPLICATION: wide range of applications: flush-cutting a nail, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
5 in clamshell	42	68	18	5	**OMM35-X5**	**OMS35-X5**
50 in masterpack	42	68	18	2	**OMM35-X50**	**OMS35-X50**

OMM15 / OMS15

OMM15: Universal Arbor
OMS15: Arbor for Fein® SuperCut Festool® Vecturo



45mm Plunge and Flush-Cut for Wood & Metal

Features: Bi-metal with 8% Cobalt teeth.

Material: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

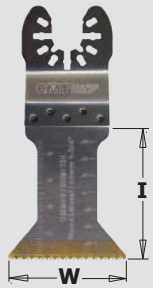
Application: wide range of applications: flush-cutting a nail, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.

WOOD&METAL · MILLED & SIDE SET TEETH · BIM 8% Co
Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	45	48	18	10	OMM15-X1	OMS15-X1
5 in clamshell	45	48	18	5	OMM15-X5	OMS15-X5
50 in masterpack	45	48	18	2	OMM15-X50	OMS15-X50

OMM16 / OMS16

OMM16: Universal Arbor
OMS16: Arbor for Fein® SuperCut Festool® Vecturo



45mm Extra-Long Life Plunge & Flush-Cut for Wood & Metal

Features: TiN Coated Bi-metal with 8% Cobalt teeth.

Material: for wood and nails, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.

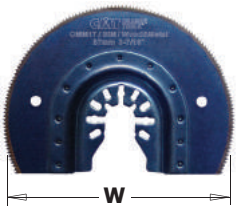
Application: wide range of applications: flush-cutting a nail, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard. Tooth strip coated with titanium nitride for 30% longer life.

WOOD&METAL · MILLED & SIDE SET TEETH · BIM 8% Co
Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals
130% LONGER LIFE · LONG LIFE

Pack Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	45	48	18	10	OMM16-X1	OMS16-X1
5 in clamshell	45	48	18	5	OMM16-X5	OMS16-X5
50 in masterpack	45	48	18	2	OMM16-X50	OMS16-X50

OMM17 / OMS17

OMM17: Universal Arbor
OMS17: Arbor for Fein® SuperCut Festool® Vecturo



87mm Radial Saw Blade for Wood & Metal

Features: Bi-metal with 8% Cobalt teeth.

Material: for wood, veneered panels, plastic and laminated panels, sheet metal, copper and aluminium pipes and profiles.

Application: wide range of applications: flush-cutting a nail, cutting a door frame, laminate/parquet, cutting aluminium profiles, plunge-cutting.

WOOD&METAL · BIM 8% Co
Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Non-Ferrous Metals
LONG LIFE

Pack Quantity	W mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	87	20	10	OMM17-X1	OMS17-X1

OMM18 / OMS18

OMM18: Universal Arbor
OMS18: Arbor for Fein® SuperCut Festool® Vecturo

87mm Extra-Long Life Radial Saw Blade for Wood & Metal

Features: TiN Coated Bi-metal with 8% Cobalt teeth.

Material: for wood, plasterboard and fibercement boards, sheet metal, copper and aluminium pipes and profiles.

Application: wide range of applications: plunge-cutting in plasterboard, cutting smaller aluminium mouldings to length, cutting recesses in epoxy/glass fibre like dashboard in a boat.

WOOD&METAL · BIM TiN
Hard/Soft Wood · PVC Plastic · ALU Aluminium · Sheet Metal · Cu Zn Non-Ferrous Metals
130% LONGER LIFE · LONG LIFE

Pack Quantity	W mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	87	20	10	OMM18-X1	OMS18-X1

OMM19 / OMS19

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

52mm Rigid Scraper for all Materials

MULTI-MAT · 52mm · Sharp Blade · HL

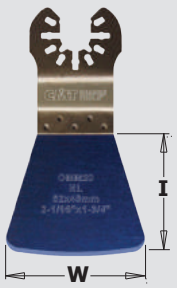
FEATURES: HL rigid scraper.

APPLICATION: wide range of applications: removing mortar or tile adhesive, removing mortar and concrete residues, removing hard, brittle carpet adhesive residues.

PACK Quantity	W mm	I mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	52	26	10	**OMM19-X1**	**OMS19-X1**
5 in clamshell	52	26	5	**OMM19-X5**	**OMS19-X5**

OMM20 / OMS20

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo



52mm Flexible Scraper for all Materials

MULTI-MAT · 52mm · Sharp Blade · HL

FEATURES: HL flexible scraper.

APPLICATION: wide range of applications: removing soft carpet adhesive residues, removing paint residues, removing silicone joints.

PACK Quantity	W mm	I mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	52	45	10	**OMM20-X1**	**OMS20-X1**
5 in clamshell	52	45	5	**OMM20-X5**	**OMS20-X5**

OMM21 / OMS21

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

28mm Sharp Corner Scraper for all Materials

MULTI-MAT · 28mm · 50mm · Sharp Blade · HL

FEATURES: HL sharp corner scraper.

APPLICATION: wide range of applications: cutting soft expansion joints, cutting window putty like sealing compound, cutting insulation materials.

PACK Quantity	W mm	I mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	28	50	10	**OMM21-X1**	**OMS21-X1**
5 in clamshell	28	50	5	**OMM21-X5**	**OMS21-X5**
50 in masterpack	28	50	2	**OMM21-X50**	**OMS21-X50**

OMM22 / OMS22

Universal Arbor / Arbor for Fein® SuperCut Festool® Vecturo

87mm Carbide Grit Radial Saw Blade

MASONRY · CARBIDE GRIT

Tile Joints · Porous Concrete · Solid Brick · Trass Epoxy · Red Brick

FEATURES: Carbide Grit.

MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes and similar construction materials.

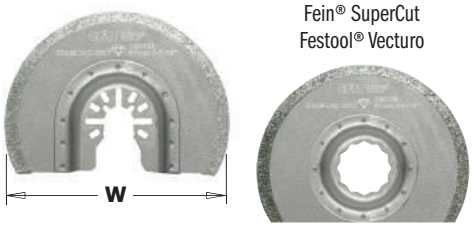
APPLICATION: wide range of applications: routing joints on wall and floor tiles, smaller cutouts in soft wall tiles, routing grooves in porous concrete, for laying concealed cables and pipes.

PACK Quantity	W mm	K mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	87	2,2	10	**OMM22-X1**	**OMS22-X1**

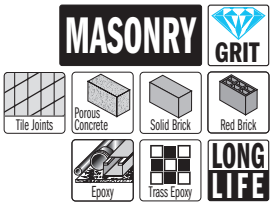
OMM23 / OMS23

OMM23 Universal Arbor

OMS23 Arbor for Fein® SuperCut Festool® Vecturo



87mm Diamond Coated Extra-Long Life Radial Saw Blade



FEATURES: Diamond coated for extended lifetime.

MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

APPLICATION: wide range of applications: routing joints on wall and floor tiles, smaller cutouts in soft wall tiles, routing recesses in epoxy/glass fibre reinforced plastic like in a boat's hull, routing joints on wall tiles.

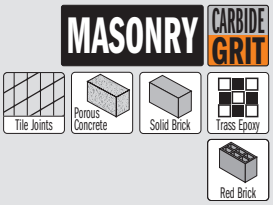
Pack Quantity	W mm	K mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	87	1,6	10	**OMM23-X1**	**OMS23-X1**
25 in masterpack	87	1,6	2	**OMM23-X25**	**OMS23-X25**

OMM24 / OMS24

OMM24 Universal Arbor

OMS24 Arbor for Fein® SuperCut Festool® Vecturo

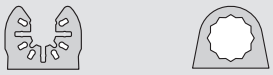
65mm Carbide Grit Radial Saw Blade



FEATURES: Carbide Grit.

MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes and similar construction materials.

APPLICATION: wide range of applications: routing joints on wall and floor tiles, smaller cutouts in soft wall tiles, routing grooves in porous concrete, for laying concealed cables and pipes.



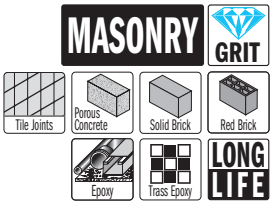
Pack Quantity	W mm	K mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	65	1,6	10	**OMM24-X1**	**OMS24-X1**

OMM27 / OMS27

OMM27 Universal Arbor

OMS27 Arbor for Fein® SuperCut Festool® Vecturo

65mm Diamond Coated Extra-Long Life Radial Saw Blade



FEATURES: Diamond coated for extended lifetime.

MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

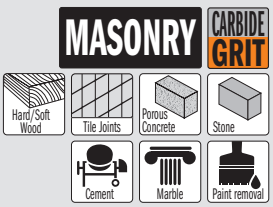
APPLICATION: wide range of applications: routing joints on wall and floor tiles, smaller cutouts in soft wall tiles, routing recesses in epoxy/glass fibre reinforced plastic like in a boat's hull, routing joints on wall tiles.

Pack Quantity	W mm	K mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	65	2	10	**OMM27-X1**	**OMS27-X1**

OMM26

Universal Arbor

33mm Double-Face Carbide Grit Fingertip Rasp



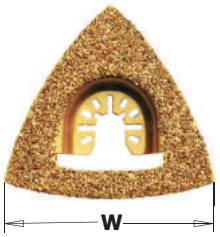
FEATURES: Carbide Grit coated on both sides.

MATERIAL: Fingertip Rasp for tiles, plasterboard, porous concretes, construction materials, wood, carpets.

APPLICATION: wide range of applications: removing mortar or tile adhesive, removing carpet adhesive residues, rasping wood for rough adjustment, rough grinding of filler, tile adhesives, concrete, stone and wood.

Pack Quantity	W mm	I mm		ORDER NO. Universal Arbor
1 in clamshell	33	35	10	**OMM26-X1**

OMM25
Universal Arbor

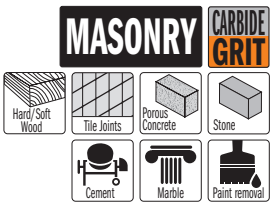


80mm Carbide Grit Delta Rasp

Features: Carbide Grit.

Material: Delta Rasp for tiles, plasterboard, porous concretes, construction materials, wood, carpets.

Application: wide range of applications: removing mortar or tile adhesive, removing carpet adhesive residues, rasping wood for rough adjustment, rough grinding of filler, tile adhesives, concrete, stone and wood.



Pack Quantity	W mm		ORDER NO. Universal Arbor
1 in clamshell	80	10	**OMM25-X1**

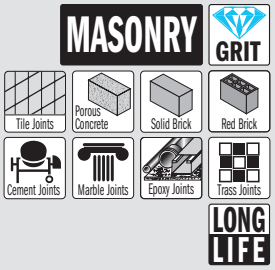
OMM28
Universal Arbor

57mm Diamond Coated Extra-Long Life Segment Saw Blade

Features: Diamond coated for extended lifetime.

Material: for tiles, marble, epoxy resins.

Application: wide range of applications: remove tough grout from between tiled surfaces. Efficient shape allows aggressive grinding without damaging the tile. Cutting out marble and trass concrete joints. Also for sinking ducts in plaster, brick, pumice and honeycomb stone as well as autoclave aerated concrete.
Long-lasting blades are designed specifically for harder grouts.



Pack Quantity	W mm	K mm		ORDER NO. Universal Arbor
1 in clamshell	57	2	10	**OMM28-X1**
25 in masterpack	57	2	4	**OMM28-X25**

OMM29
Universal Arbor

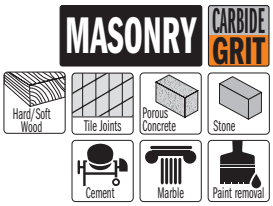
OMS29
Arbor for Fein® SuperCut Festool® Vecturo

65mm Carbide Grit Grout and Mortar Remover

Features: Carbide Grit.

Material: Grout and Mortar remover for tiles, concrete, stone.

Application: wide range of applications: routing grout, rasping away mortar or tile adhesive, remove joints, tiles, all with one extra long life tool. Suitable for removing carpet residues from a mineral surface. The special design allows access into 90° corners.



Pack Quantity	W mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	65	10	**OMM29-X1**	**OMS29-X1**

OMM30
Universal Arbor

OMS30
Arbor for Fein® SuperCut Festool® Vecturo

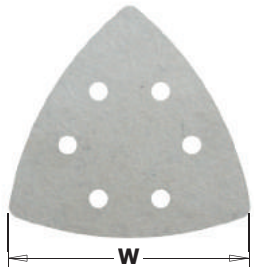
93mm Delta Sanding Pad, Perforated

Features: perforated sanding pad with self adhesive micro Velcro® makes for quick and easy sanding sheet changes.

Application: the comprehensive range of sanding sheets allows for perfect sanding of any material or any application.

Pack Quantity	W mm		ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut
1 in clamshell	93	10	**OMM30-X1**	**OMS30-X1**

OMA30000



93mm Delta Polishing Fleece, Perforated

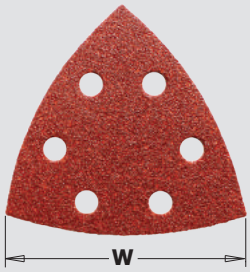
MULTI-MAT — Velcro® — Glass — Hard/Soft Wood — Sheet Metal

Features: Delta Polishing Fleece with self adhesive micro Velcro® for use with skus #OMM30 and #OMS30.

Application: wide range of applications: suitable for bringing out grain in wood (rustic look), de-rusting metal, matte sanding varnished surfaces and glass, removing dirt and deposits without altering the workpiece surface.

Pack Quantity	W mm		ORDER NO.
4 in clamshell	93	10	**OMA30000-X4**

OMA30



93mm Aluminium-Oxide Delta Sandpaper for Wood, Perforated

WOOD — Velcro® — Construction — Plywood — Hard/Soft Wood

Features: Delta Sandpaper with self adhesive micro Velcro® for use with skus #OMM30 and #OMS30.

Application: wide range of applications: suitable for sanding all types of wood, chipboard, plywood, construction boards, for pre-sanding of rough, uneven beams and boards. Best results achieved with dust extractor. Aluminium-Oxide abrasive grain and full resin bond guarantee high abrasion performance.

Pack Quantity	W mm	Grit		ORDER NO.
10 in clamshell	93	40	10	**OMA30040-X10**
10 in clamshell	93	60	10	**OMA30060-X10**
10 in clamshell	93	80	10	**OMA30080-X10**
10 in clamshell	93	100	10	**OMA30100-X10**
10 in clamshell	93	120	10	**OMA30120-X10**
10 in clamshell	93	180	10	**OMA30180-X10**
10 in clamshell	93	240	10	**OMA30240-X10**

OMM-X4

4 piece Multipurpose Set for Oscillating Multi-tools

WOOD — WOOD&NAILS

- 2 blades with Japanese Toothing for all wood products, blockboard, plasterboard and plastics.
- 2 blades in BIM for all wood products, blockboard, plasterboard, fiberglass, epoxy, soft plastics, sheet metal, copper, aluminium pipes and profiles. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

8 Sets in End-cap display
(minimum order 8 sets)

Pack Quantity	Material	W mm	I mm	TPI		ORDER NO.
1	HCS	34	40	14	8	**OMM04-X1**
1	HCS	68	40	14	8	**OMM06-X1**
1	BIM	32	40	18	8	**OMM12-X1**
1	BIM	45	48	18	8	**OMM15-X1**

OMM-X33

Universal Arbor

33 piece Multipurpose Set for Oscillating Multi-tools

- blades for cutting wood, plastic, drywall, sheet metal, profiles and tubing in aluminum and copper.
- scraper to remove carpet adhesive/glue residues as well as paint and silicone residues.
- sanding pad and sanding sheets for sanding (60, 100, and 180 grit).

Pack Quantity	W mm	I mm	TPI	Grit		ORDER NO.
1	32	40	18		10	**OMM12-X1**
1	52	45			10	**OMM20-X1**
1	93				10	**OMM30-X1**
10	93			60	10	**OMA30060-X10**
10	93			100	10	**OMA30100-X10**
10	93			180	10	**OMA30180-X10**

OMM-X37

Universal Arbor

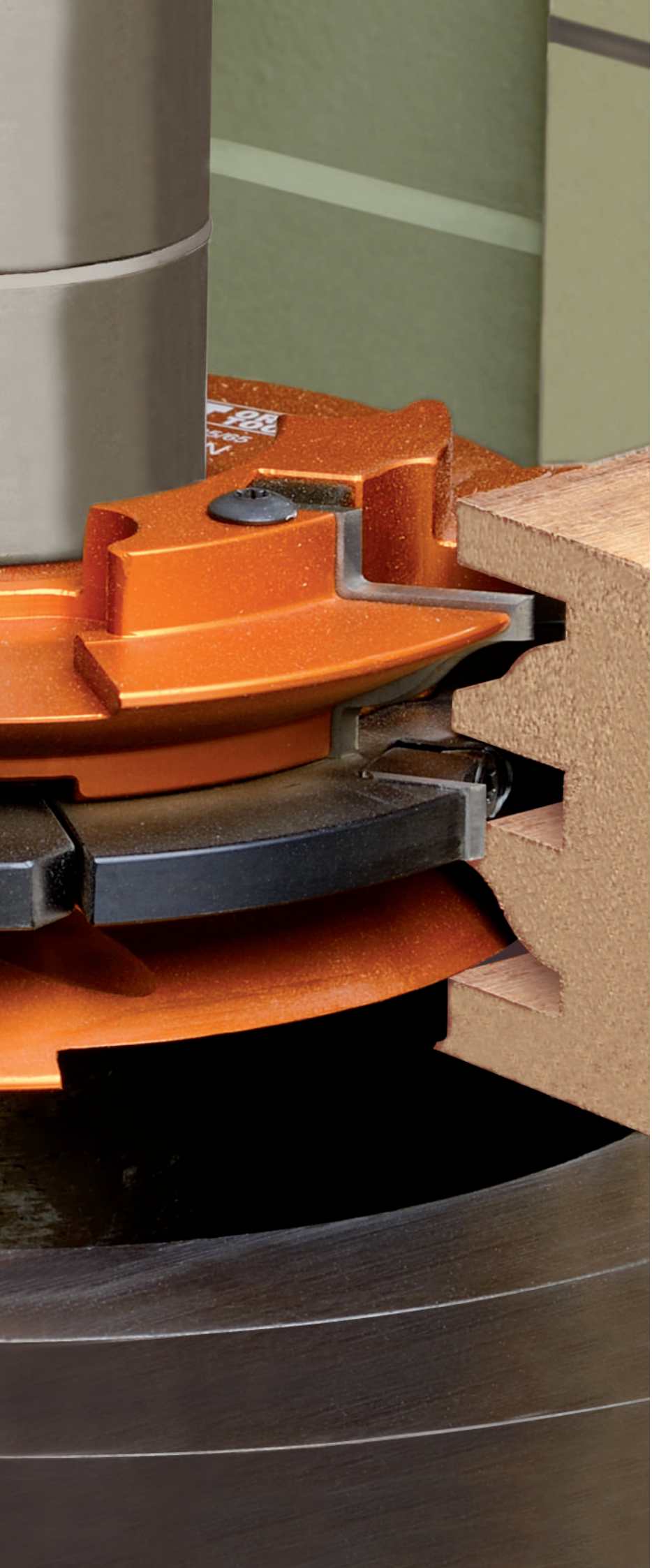
Front

Back

37 piece Multipurpose Set for Oscillating Multi-Tools

- blades (in two sizes) for making cuts in wood, plastic, drywall, sheet metal, profiles and tubing in aluminum and copper.
- segmented blade for cutting wood and metal.
- scraper for removing carpet adhesive/glue residues as well as paint and varnish residues.
- rasp in carbide for grinding/sanding/removal of tiles, drywall, and cement, wood and building materials.
- specially designed blade to remove mortar, cementitious materials, cement and stone, even in hard to reach corners.
- sanding pad and sanding sheets (60, 100, 180 grit).

Pack Quantity	W mm	I mm	TPI	Grit		ORDER NO.
1	10	28	18		10	**OMM09-X1**
1	32	40	18		10	**OMM12-X1**
1	87		20		10	**OMM17-X1**
1	52	45			10	**OMM20-X1**
1	80				10	**OMM25-X1**
1	65				10	**OMM29-X1**
1	93				10	**OMM30-X1**
10	93			60	10	**OMA30060-X10**
10	93			100	10	**OMA30100-X10**
10	93			180	10	**OMA30180-X10**



Tools with Bore & Knives

PRODUCTS	PAGE
Rabbeting Cutter Heads	96-97
Adjustable Grooving Set	98-99
Planing & Jointing Spiral Cutter Heads	100
2 piece Adjustable Rounding & Chamfering Set	101
Chamfer Cutter Heads	102-103
Multiradius Roundover Cutter Heads	104~106
Jointing Cutter Heads	107~109
Panel Cutter Heads	110~114
Cutter Heads for Universal Knives & Sets	115~117
Profile Knives & Limiters	118~131
Blank Knives & Limiters (to be sharpened)	132
Bore Reducers	132
HS Corrugated Back Moulder Knives	133
Magnetic Knife Setting Jigs	133
Planer & Jointer Knives	134-135
HWM Reversible Knives	136-137
HWM Reversible Knives for Portable Planers	138

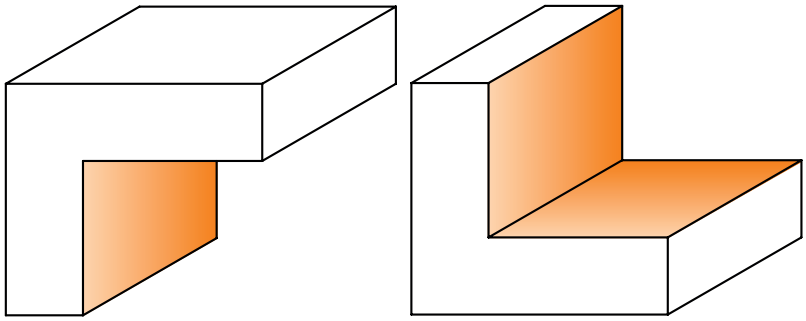
694.100

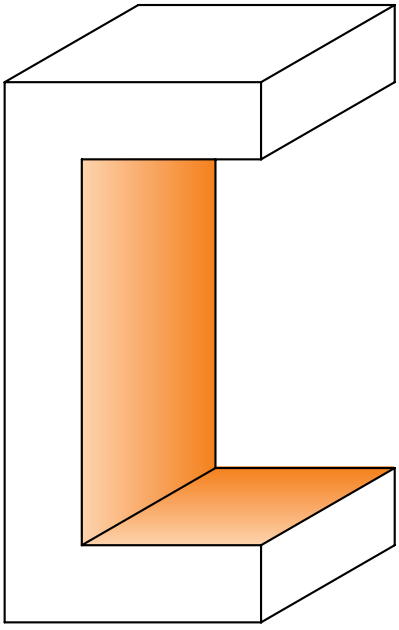
These cutter heads have been designed for:
- rabbeting from either top or bottom;
- jointing
- grooving

For use on spindle moulder machines, double-end tenoner and edging machines.
Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates. Improved design with shear angle.

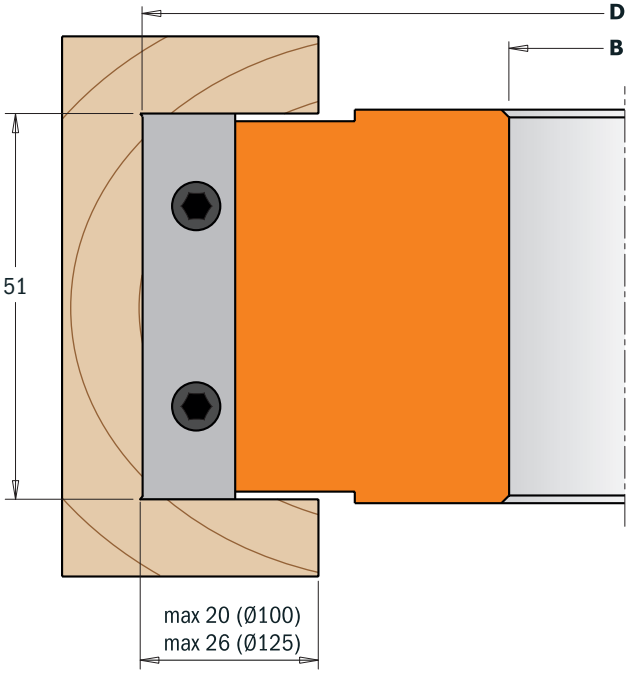
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 universal HWM straight knives 50x12x1,5mm [Z2], 1 up cut - 1 down cut.
- 4 universal HWM scoring knives 14x14x2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

Supplied in a solid plastic box.



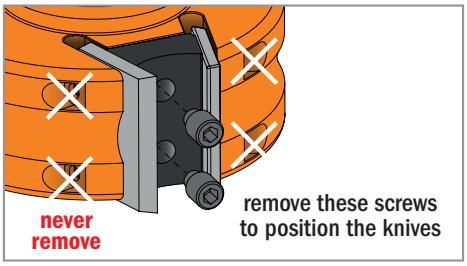


Drawing is 1:1 scale



D mm	B mm	I mm	Z+V	RPM		ORDER NO.	Spare parts						
100	19,05	51	2+4	7500~12500	1	**694.100.19**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
100	30	51	2+4	7500~12500	1	**694.100.30**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
100	31,75	51	2+4	7500~12500	1	**694.100.31**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
100	35	51	2+4	7500~12500	1	**694.100.35**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
125	40	51	2+4	6100~10000	1	**694.125.40**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
125	50	51	2+4	6100~10000	1	**694.125.50**	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00

790.140.00 and 790.500.00 are supplied in 10-piece pack or multiple



694.020

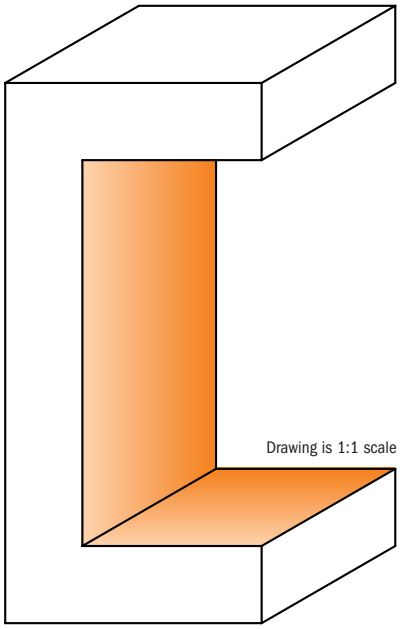
INSERT CARBIDE | MAN | Z2 | V2

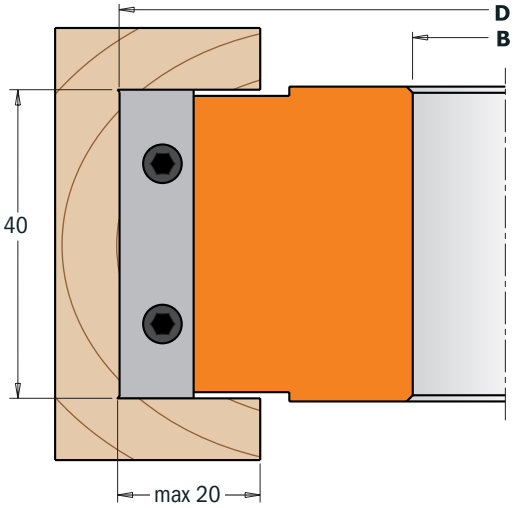
These cutter heads have been designed for:
- rabbeting from either top or bottom;
- jointing
- grooving
- 40mm SP profile knives

For use on spindle moulder machines, double-end tenoners and edging machines.
Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates.

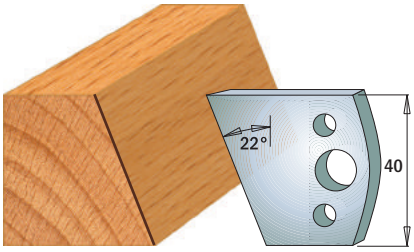
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 universal HWM straight knives 40x12x1,5mm [Z2].
- 2 universal HWM scoring knives 14x14x2mm [V2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

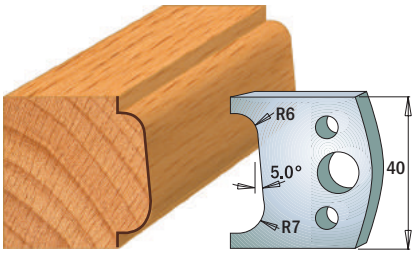
Supplied in a solid plastic box.

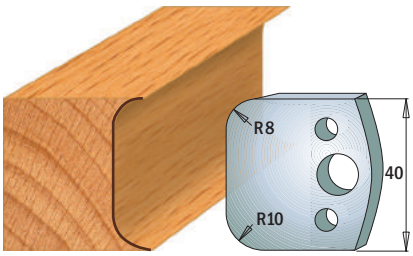




To use with all 40mm profile knives
(refer to pages 118 to 127)







D mm	B mm	I mm	Z+V	RPM		ORDER NO.
100	30	40	2+2	7500~12500	1	**694.020.30**
100	31,75	40	2+2	7500~12500	1	**694.020.31**
125	35	40	2+2	7500~12500	1	**694.020.35**
125	40	40	2+2	7500~12500	1	**694.020.40**
125	50	40	2+2	7500~12500	1	**694.020.50**

Spare parts						
790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00

Spare parts
691.192 Pair of limiters 40x4mm
695.020.01 Indexable knife edge block 38x4x15mm

790.140.00 and 790.400.00 are supplied in 10-piece pack or multiple

694.001

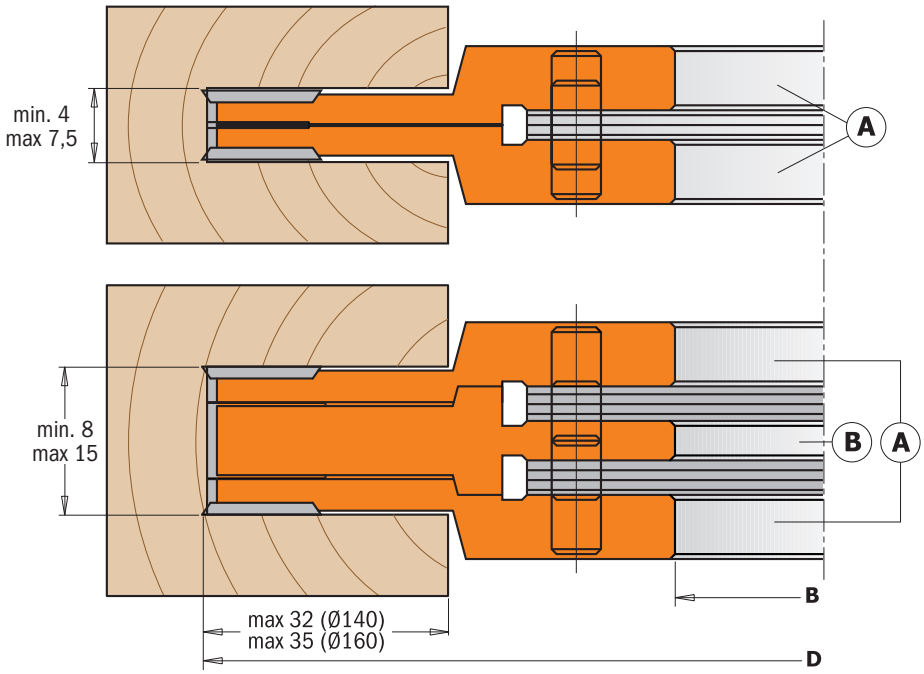
These cutter heads are the ideal tools to create precision slots and grooves on material 4 to 15mm deep.
These sets include:
- 2 cutter heads type (A) [Z4 + V4]
- 1 cutter head type (B) [Z2]
- 12 spacer rings from 0,1 to 2mm

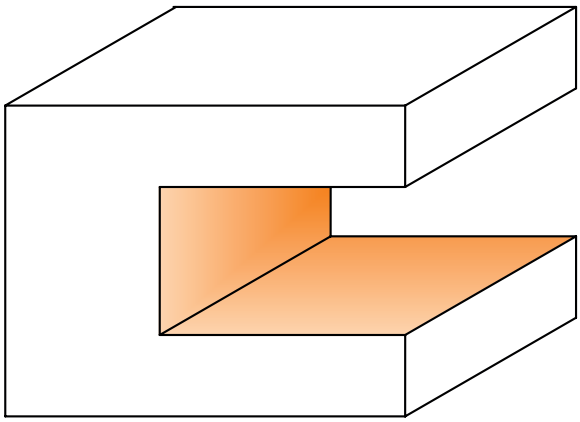
For use on your spindle moulder machines, double-end tenoner and shaper machines.
Perfect grooving on all materials, but ideal on solid wood, plywood and laminated panels.

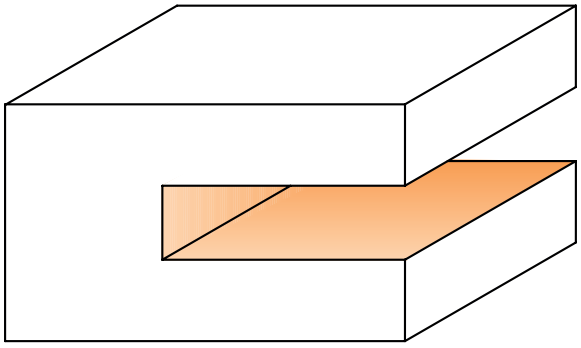
Technical details:

- Super-strength steel body.
- 2 HWM Knives 7,65x12x1,5mm [Z2].
- 4 HWM Knives 18x18x1,95mm [Z4].
- 4 HWM Knives 14x14x1,2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

Supplied in a solid plastic box.







Drawing is 1:1 scale

D mm	B mm	Z+V	RPM		ORDER NO.	Spare parts			
140	30	4+4	5500~9500	1	**694.001.30**	790.181.00	790.140.10	790.076.00	695.998.21
140	31,75	4+4	5500~9500	1	**694.001.31**	790.181.00	790.140.10	790.076.00	695.998.22
140	35	4+4	5500~9500	1	**694.001.35**	790.181.00	790.140.10	790.076.00	695.998.23
160	40	4+4	4800~8300	1	**694.001.40**	790.181.00	790.140.10	790.076.00	695.998.24N
160	50	4+4	4800~8300	1	**694.001.50**	790.181.00	790.140.10	790.076.00	695.998.25N

Spare parts

For cutter heads (A)
990.079.00 M4x3,2mm Torx screws
991.069.00 T9 Torx key
695.996.02 M4 (Ø12x1,7mm) threaded ring
695.996.01 M4 (Ø10x1,6mm) threaded ring

For cutter heads (B)
695.999.07 7x11x9,5mm wedge for knives
990.063.00 M5x18mm screw
991.072.00 T20 Torx key

790.181.00, 790.140.10 and 790.076.00 are supplied in 10-piece pack or multiple

694.021 - 694.022

INSERT CARBIDE | MAN | Z4 | V4

These cutter heads are the ideal tools to create precision slots and grooves on material from 14 to 39mm deep. These sets include:
- 1 cutter head type (A) [Z2 + V2]
- 1 cutter head type (B) [Z2 + V2]
- spacer rings set

For use on spindle moulder machines, double-end tenoners and shaper machines. Perfect grooving on all materials, but ideal on solid wood, plywood and laminated panels.

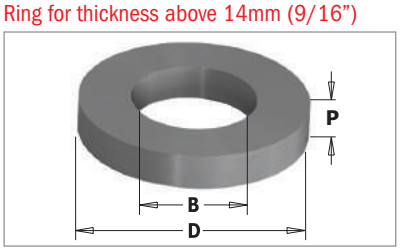
TECHNICAL DETAILS:
- Super-strength hard aluminium alloy body.
- 694.021: 8 HWM knives 13,6x13,6x2mm.
- 694.022: 4 HWM knives 19,5x12x1,5mm.
  4 HWM knives 14x14x2mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

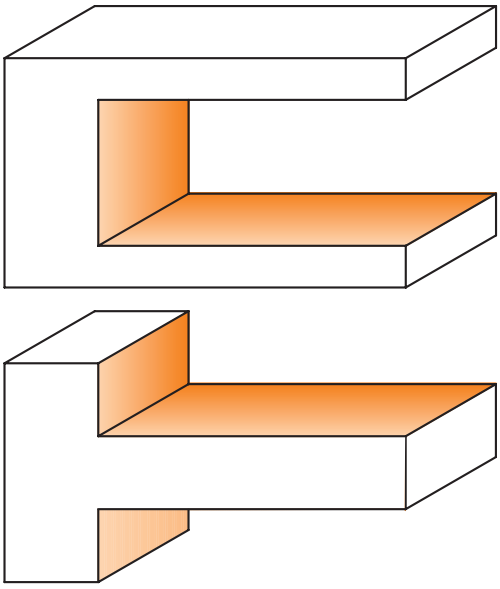
Supplied in a solid plastic box.

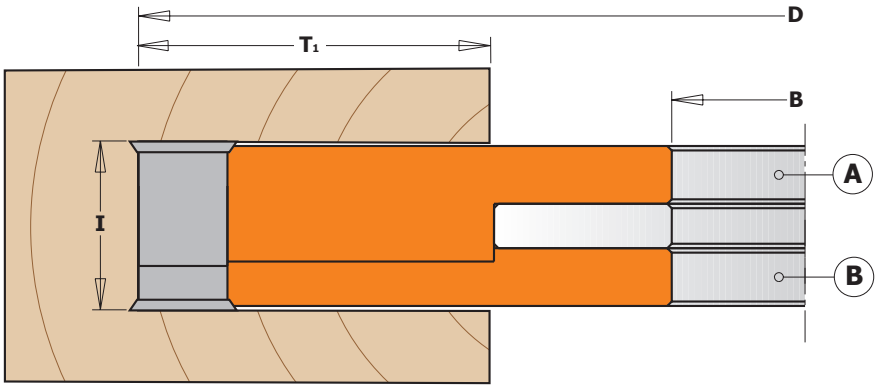
299 Spacer Rings *(Optional)*

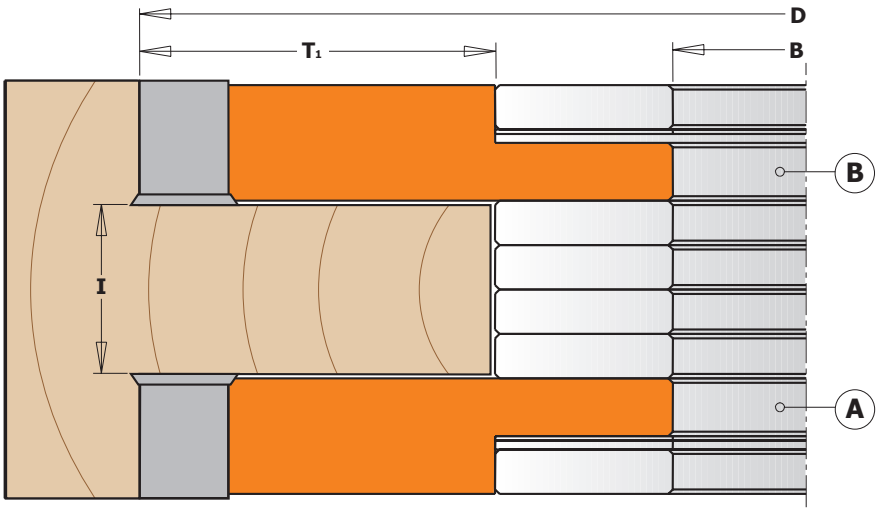
ORDER NO.	B mm	D mm	P mm
299.560.30	30	60	5
299.560.31	31,75	60	5
299.560.35	35	60	5
299.560.40	40	60	5
299.560.50	50	70	5

Ring for thickness above 14mm (9/16")









Drawing is 1:1 scale

D mm	I mm	B mm	T1 mm	Z+V	RPM		ORDER NO.	Spare parts				
150	14-27	30	44	4+4	5000~8000	1	**694.021.30**	790.136.00	990.093.00			695.998.41
150	14-27	31,75	44	4+4	5000~8000	1	**694.021.31**	790.136.00	990.093.00			695.998.42
150	14-27	35	44	4+4	5000~8000	1	**694.021.35**	790.136.00	990.093.00			695.998.43
150	14-27	40	44	4+4	5000~8000	1	**694.021.40**	790.136.00	990.093.00			695.998.44
160	14-27	50	44	4+4	5000~8000	1	**694.021.50**	790.136.00	990.093.00			695.998.45
170	20-39	30	54	4+4	4400~7400	1	**694.022.30**	790.140.00	990.093.00	790.195.12	990.094.00	695.998.46
170	20-39	31,75	54	4+4	4400~7400	1	**694.022.31**	790.140.00	990.093.00	790.195.12	990.094.00	695.998.47
170	20-39	35	54	4+4	4400~7400	1	**694.022.35**	790.140.00	990.093.00	790.195.12	990.094.00	695.998.48
170	20-39	40	54	4+4	4400~7400	1	**694.022.40**	790.140.00	990.093.00	790.195.12	990.094.00	695.998.49
170	20-39	50	49	4+4	4400~7400	1	**694.022.50**	790.140.00	990.093.00	790.195.12	990.094.00	695.998.50

Spare parts 991.072.00 T20 Torx key
991.073.00 T25 Torx key

790.136.00, 790.140.00 and 790.195.12 are supplied in 10-piece pack or multiple

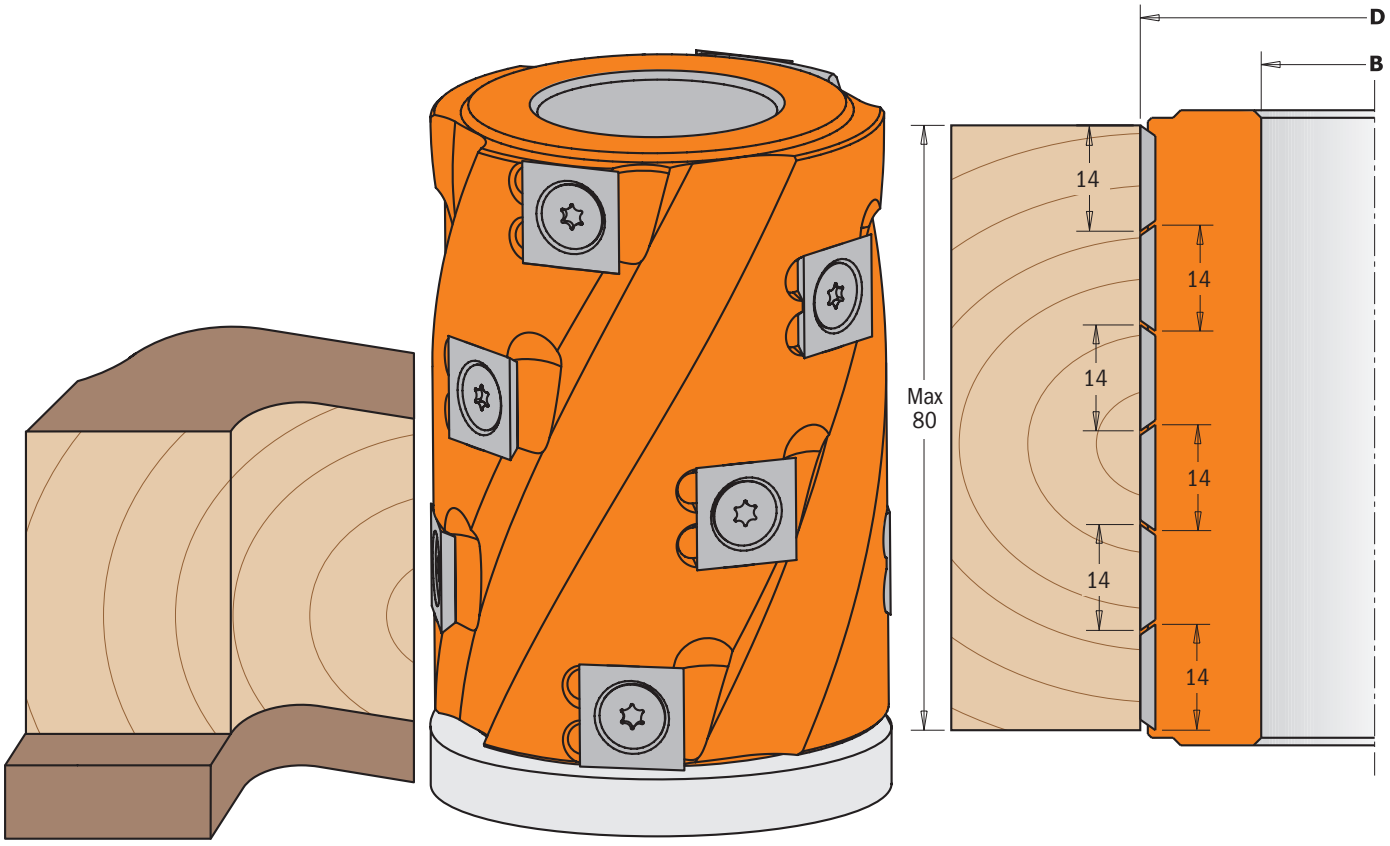
694.019

INSERT CARBIDE · MAN · Z12

These new cutter heads have been designed for planing and jointing on soft or hard wood and wooden boards on spindle moulder machines. Ideal for routing curved elements with the aid of a bearing guide (sold separately) and a template.

TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 12 HWM Knives 14x14x2mm [Z2] with 4 spiral indexing.
- Tools for manual feed (MAN).

Supplied in a plastic twistpack.



Optional bearing

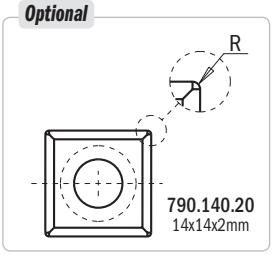
D mm	I mm	B mm	Z	RPM		ORDER NO.	Spare parts		
62	80	30	12	8000~12000	1	**694.019.30**	790.140.00	990.093.00	991.073.00
62	80	35	12	8000~12000	1	**694.019.35**	790.140.00	990.093.00	991.073.00
80	80	40	12	8000~12000	1	**694.019.40**	790.140.00	990.093.00	991.073.00
80	80	50	12	8000~12000	1	**694.019.50**	790.140.00	990.093.00	991.073.00

790.140.00 and 790.140.20 are supplied in 10-piece pack or multiple

Optional

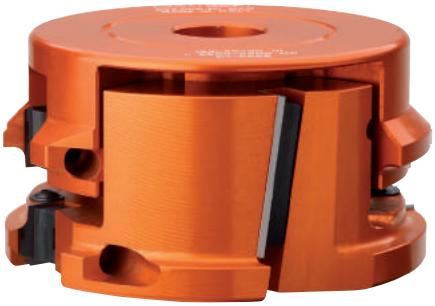
791.051.00 30x62x16mm bearing
791.052.00 35x62x14mm bearing
791.054.00 40x80x18mm bearing
791.053.00 50x80x16mm bearing

Optional



790.140.20
14x14x2mm

NOTE: In order to achieve an extra-fine finish, you can order the optional knife **790.140.20**



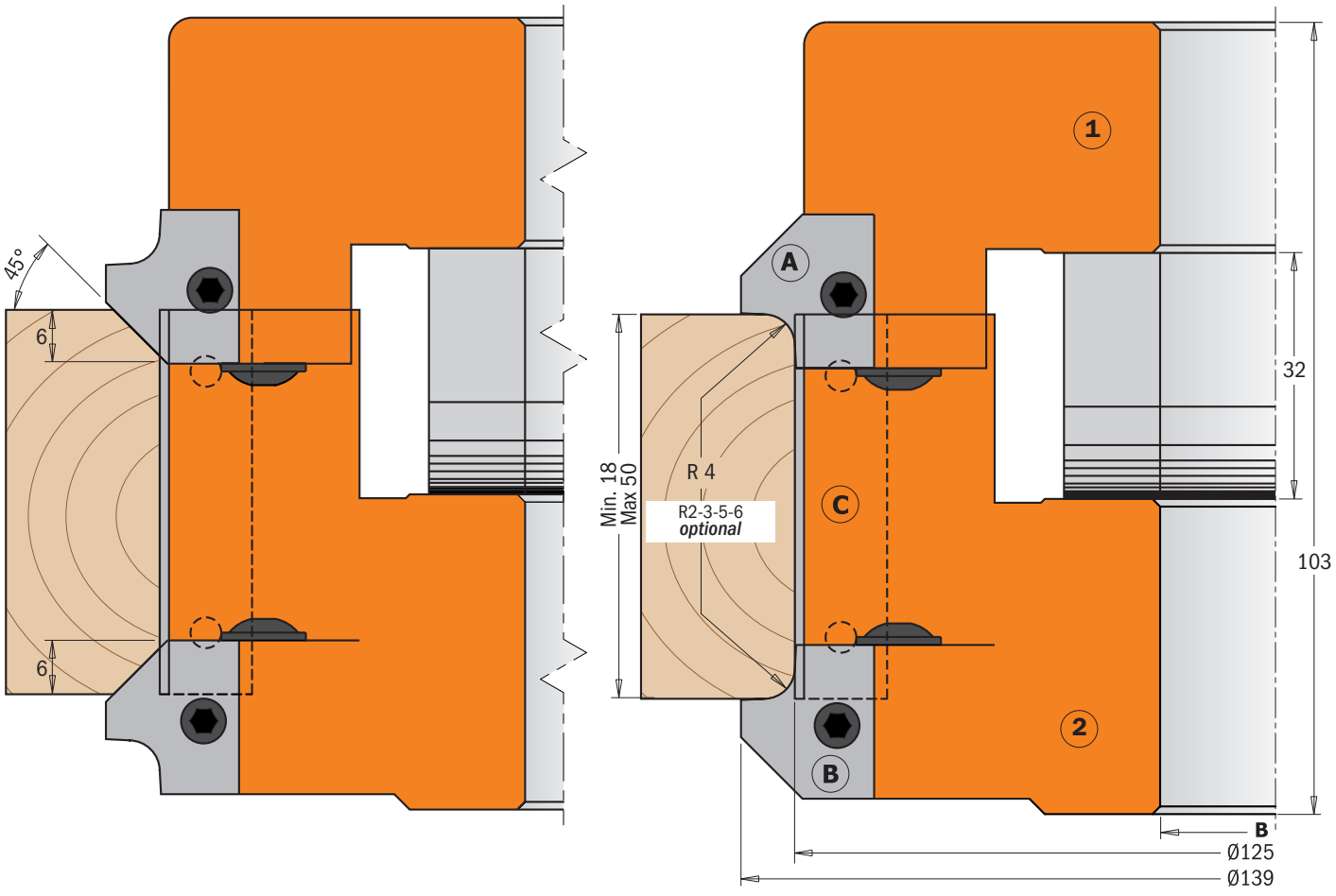
694.005

INSERT CARBIDE | MAN | Z2+2

Innovative design, simple assembly and countless possibilities. The CMT adjustable rounding and chamfering sets consist of two pieces, which are very easy to set up on your splindle moulder machine, allowing you to profile on solid wood and synthetic boards (with or without coating). Includes five different knives for rounding over top and bottom edges in one single pass with a radius of 2,3,4,5 or 6mm and for 45° chamfering on material 18mm to 50mm in thickness.
The improved design with shear angle guarantees perfect finishing! For use on spindle moulder machines and double-end tenorers.

TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- One pair of HWM top knives radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- One pair of HWM bottom knives radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- Two HWM knives 50x12x1,5mm.
- Set of 21 spacer rings from 0,1 to 3mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



D mm	B mm	Z	RPM		ORDER NO.	Spare parts 17x11x9,5mm	46x11x9,5mm		
139	30	2+2	5500~9400	1	**694.005.30**	695.999.17	695.999.46	990.064.00	695.998.11
139	31,75	2+2	5500~9400	1	**694.005.31**	695.999.17	695.999.46	990.064.00	695.998.12
139	35	2+2	5500~9400	1	**694.005.35**	695.999.17	695.999.46	990.064.00	695.998.13
139	40	2+2	5500~9400	1	**694.005.40**	695.999.17	695.999.46	990.064.00	695.998.14
139	50	2+2	5500~9400	1	**694.005.50**	695.999.17	695.999.46	990.064.00	695.998.15

Spare parts

695.005.A4	R=4+45° pair of knives for roundover/chamfer (top)
695.005.B4	R=4+45° pair of knives for roundover/chamfer (bottom)
790.500.00	50x12x1,5mm knives
991.064.00	4mm hex key
991.067.00	3mm hex key

Optional

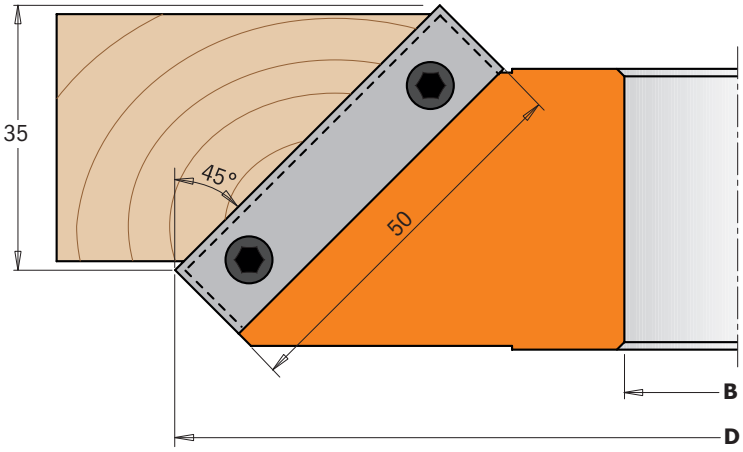
695.005.A2	R=2+45° pair of knives for roundover/chamfer (top)
695.005.A3	R=3+45° pair of knives for roundover/chamfer (top)
695.005.A5	R=5+45° pair of knives for roundover/chamfer (top)
695.005.A6	R=6+45° pair of knives for roundover/chamfer (top)
695.005.B2	R=2+45° pair of knives for roundover/chamfer (bottom)
695.005.B3	R=3+45° pair of knives for roundover/chamfer (bottom)
695.005.B5	R=5+45° pair of knives for roundover/chamfer (bottom)
695.005.B6	R=6+45° pair of knives for roundover/chamfer (bottom)

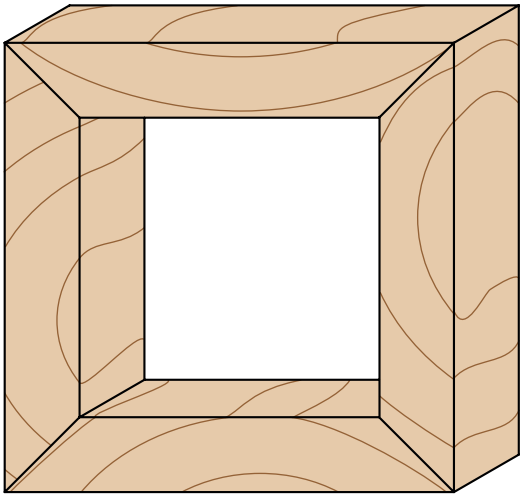
694.002

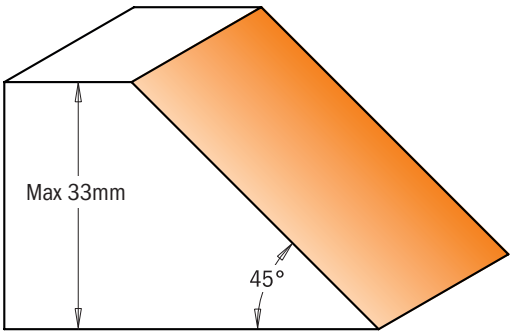
CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood, veneer, plywood and laminated materials.

TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives 50x12x1,5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.







Drawing is 1:1 scale

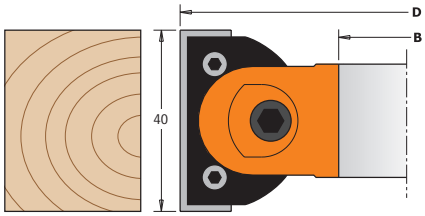
D mm	B mm	Z	RPM		ORDER NO.
150	30	2	5100~8800	1	**694.002.30**
150	31,75	2	5100~8800	1	**694.002.31**
150	35	2	5100~8800	1	**694.002.35**
150	40	2	5100~8800	1	**694.002.40**
160	50	2	4800~8300	1	**694.002.50**

Spare parts

790.500.00	695.999.42	990.064.00	991.064.00
790.500.00	695.999.42	990.064.00	991.064.00
790.500.00	695.999.42	990.064.00	991.064.00
790.500.00	695.999.42	990.064.00	991.064.00
790.500.00	695.999.42	990.064.00	991.064.00

790.500.00 are supplied in 10-piece pack or multiple

Adjustable Chamfer Cutter Heads with Positive Stop



694.018

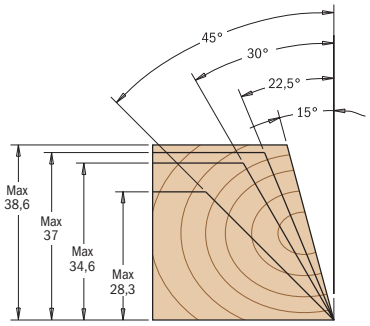
INSERT CARBIDE · MAN · Z2

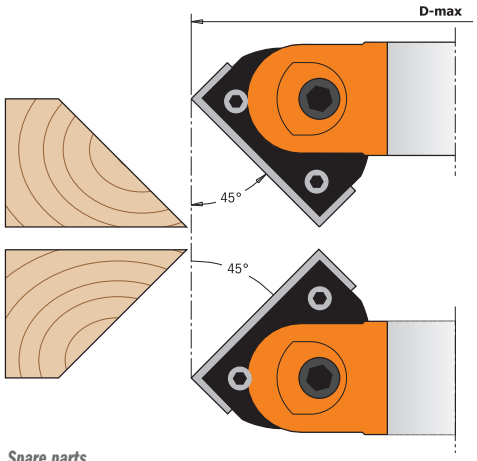
This chamfer cutter head carries out very precise cuts on wooden boards and solid timber. It also crafts gap-free bevel joints and is the perfect tool for a variety of joinery projects. For use on spindle moulding machines, double-end tenoners and shaper machines.

TECHNICAL DETAILS:

- Tool body made from high strength aluminum alloy extremely resistant to tensile and yield stress
- Manual feed tool (MAN)
- 2 HWM knives 40x12x1,5mm[Z2]
- Adjustable swivelling blades
- Range: ± 45° (Rotates at 7,5° intervals; Precision= 7,5°)

Supplied in a solid plastic box.





D mm	l mm	B mm	Z	D_Max 45° mm	RPM		ORDER NO.
120	40	30	2	140	7000~9000	1	**694.018.30**
120	40	35	2	140	7000~9000	1	**694.018.35**
145	40	40	2	165	4800~7200	1	**694.018.40**
145	40	50	2	165	4800~7200	1	**694.018.50**

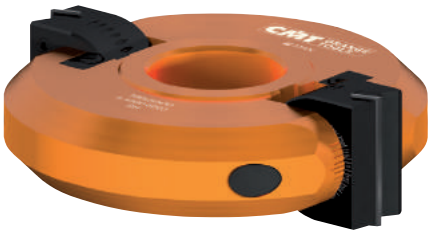
Spare parts

695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00

Spare parts **991.065.00** 5mm hex key

790.400.00 are supplied in 10-piece pack or multiple

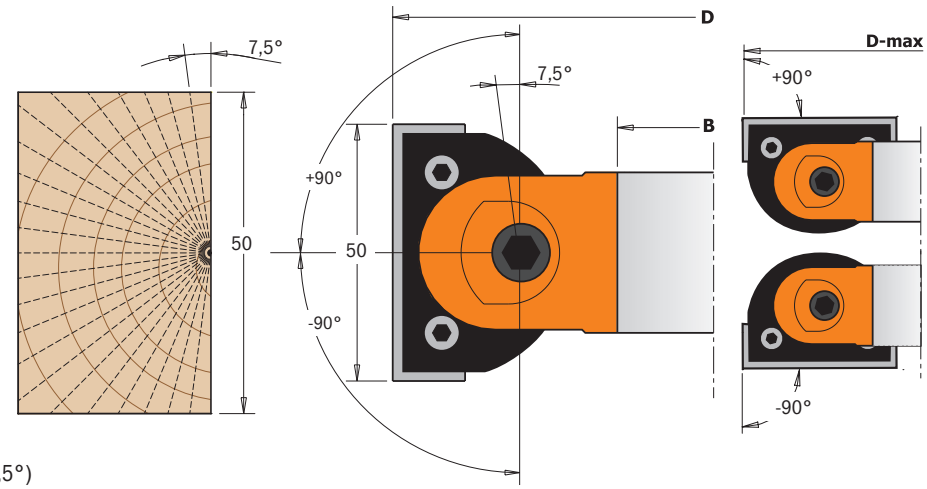
Professional Adjustable Chamfer Cutter Heads with Gear Box



694.017

INSERT CARBIDE · MAN · Z2

These new professional adjustable chamfer cutter heads carry out precise cuts, accurate bevels and joints on wooden boards and solid timber. For use on spindle moulder machines, double-end tenoner and shaper machines.



TECHNICAL DETAILS:

- Tool body made from high strength aluminum alloy extremely resistant to tensile and yield stress
- Manual feed tool (MAN)
- 2 HWM knives 50x12x1,5mm [Z2]
- Adjustable swivelling blades
- Range ± 90° (Rotates at 7,5° intervals; Precision = 7,5°)

Supplied in a solid plastic box.

D mm	l mm	B mm	Z	D_Max 45° mm	RPM		ORDER NO.
160	50	30	2	183	4800~6000	1	**694.017.30**
160	50	35	2	183	4800~6000	1	**694.017.35**
160	50	50	2	183	4800~6000	1	**694.017.50**

Spare parts

695.017.01	790.500.00	695.999.48	990.106.00	991.067.00
695.017.01	790.500.00	695.999.48	990.106.00	991.067.00
695.017.01	790.500.00	695.999.48	990.106.00	991.067.00

Spare parts **991.081.00** 4mm hex key

790.500.00 are supplied in 10-piece pack or multiple

694.003

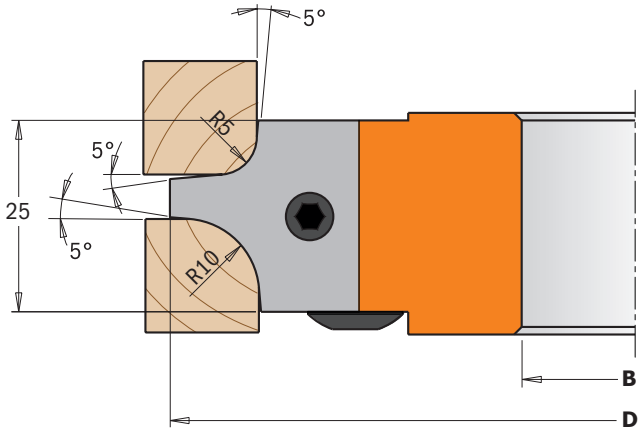
INSERT CARBIDE | MAN | Z2

Innovative cutter heads supporting three different knives for making six radius roundover profiles. Standard cutter heads are sold with knives featuring 5 and 10mm radii; two more knife sets are available for radii 4-8mm and 3-6mm. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

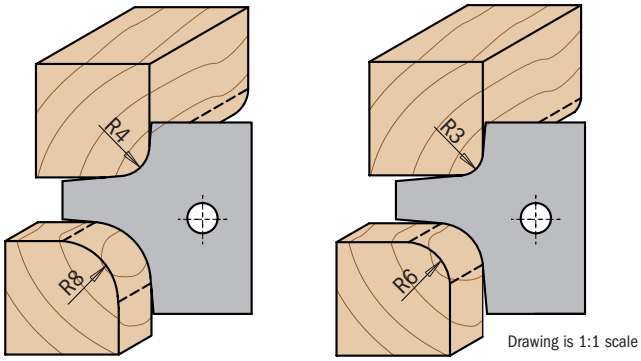
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 5/10mm (25x24,8x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard — Pair of knives **695.003.05**



Optional



Pair of knives **695.003.04**

Pair of knives **695.003.03**

D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2			
113	30	2	6700~11000	1	**694.003.30**	695.003.05	695.999.22	990.064.00	991.064.00
113	31,75	2	6700~11000	1	**694.003.31**	695.003.05	695.999.22	990.064.00	991.064.00
113	35	2	6700~11000	1	**694.003.35**	695.003.05	695.999.22	990.064.00	991.064.00
128	40	2	5900~9700	1	**694.003.40**	695.003.05	695.999.22	990.064.00	991.064.00
128	50	2	5900~9700	1	**694.003.50**	695.003.05	695.999.22	990.064.00	991.064.00

Optional
695.003.04 R=4/8mm (25x24,8x2mm) pair of profiled knives
695.003.03 R=3/6mm (25x24,8x2mm) pair of profiled knives

694.004

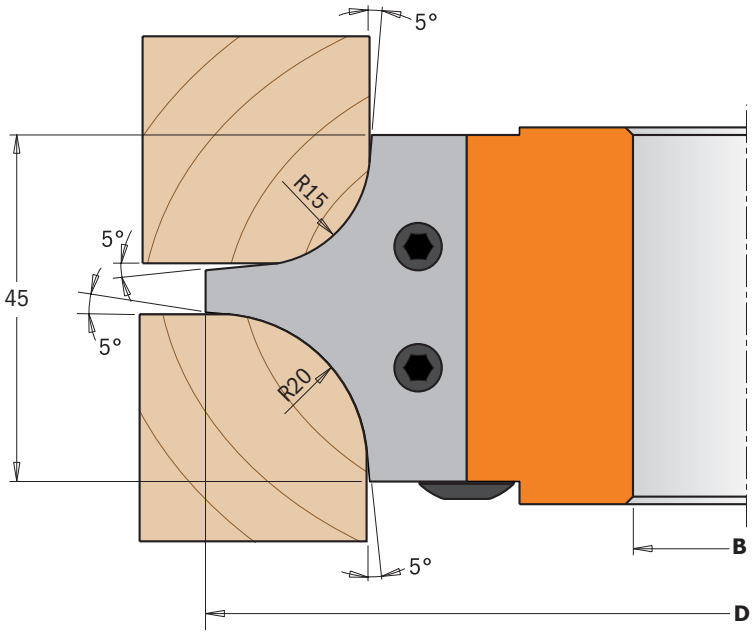
INSERT CARBIDE | MAN | Z2

Innovative cutter heads supporting two different knives for making four radius roundover profiles. Standard cutter heads are sold with knives featuring radii 15 and 20mm; one more knife set is available for radii 12-18mm. For use on spindle moulder machines, double-end tenorer and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

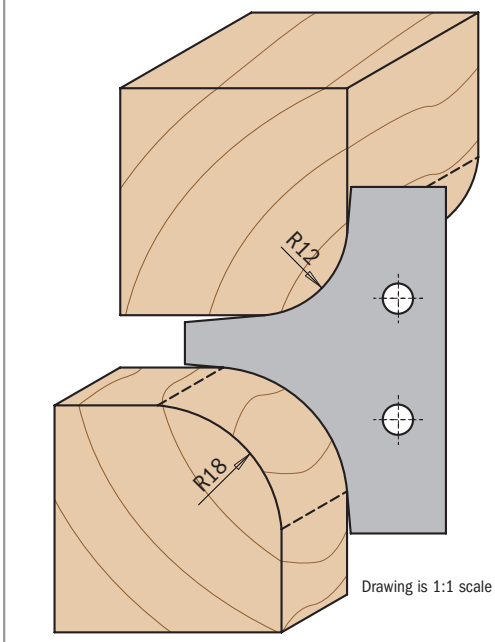
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 15/20mm (45x34,5x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard Pair of knives **695.004.15**



Optional



Pair of knives **695.004.12**

D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2			
132	30	2	5700~9500	1	**694.004.30**	695.004.15	695.999.42	990.064.00	991.064.00
132	31,75	2	5700~9500	1	**694.004.31**	695.004.15	695.999.42	990.064.00	991.064.00
132	35	2	5700~9500	1	**694.004.35**	695.004.15	695.999.42	990.064.00	991.064.00
147	40	2	5100~8500	1	**694.004.40**	695.004.15	695.999.42	990.064.00	991.064.00
147	50	2	5100~8500	1	**694.004.50**	695.004.15	695.999.42	990.064.00	991.064.00

Optional **695.004.12** R=12/18mm (45x34,5x2mm) pair of profiled knives

694.007

INSERT CARBIDE | MAN | Z2

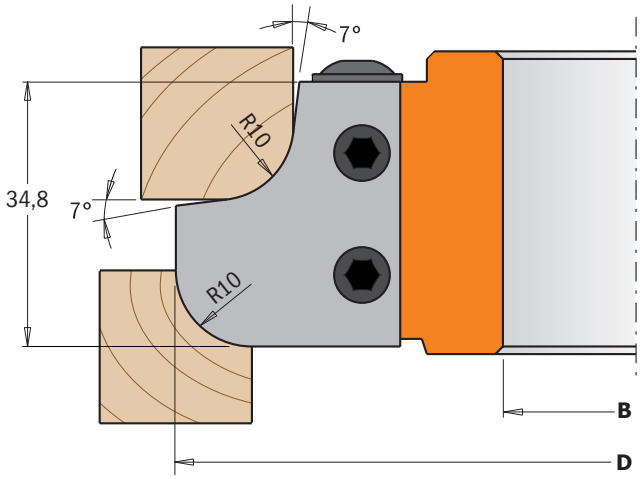
These cutter heads are perfect for making furniture, doors and drawer fronts simply and stylishly by giving them a final touch with a CMT cove bit. It is also used for making perfect roundover profiles, drop leaf counters and table tops. You can use three different knives for carrying out roundover and cove profiles with radius 10, 12 and 15mm. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:

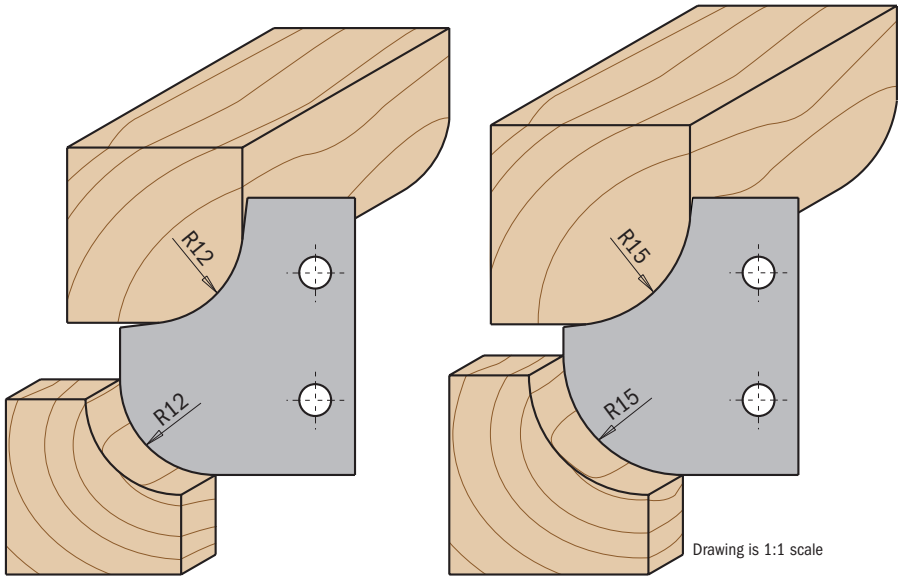
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 10mm (34,8x29,3x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard — Pair of knives **695.007.10**



Optional — Pair of knives **695.007.12** — Pair of knives **695.007.15**



D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2			
121	30	2	6300~10500	1	**694.007.30**	695.007.10	695.999.31	990.064.00	991.064.00
121	31,75	2	6300~10500	1	**694.007.31**	695.007.10	695.999.31	990.064.00	991.064.00
121	35	2	6300~10500	1	**694.007.35**	695.007.10	695.999.31	990.064.00	991.064.00
136	40	2	5600~9300	1	**694.007.40**	695.007.10	695.999.31	990.064.00	991.064.00
136	50	2	5600~9300	1	**694.007.50**	695.007.10	695.999.31	990.064.00	991.064.00

Optional

695.007.12 R=12mm (34,8x29,3x2mm) pair of roundover/cove knives
695.007.15 R=15mm (34,8x29,3x2mm) pair of roundover/cove knives

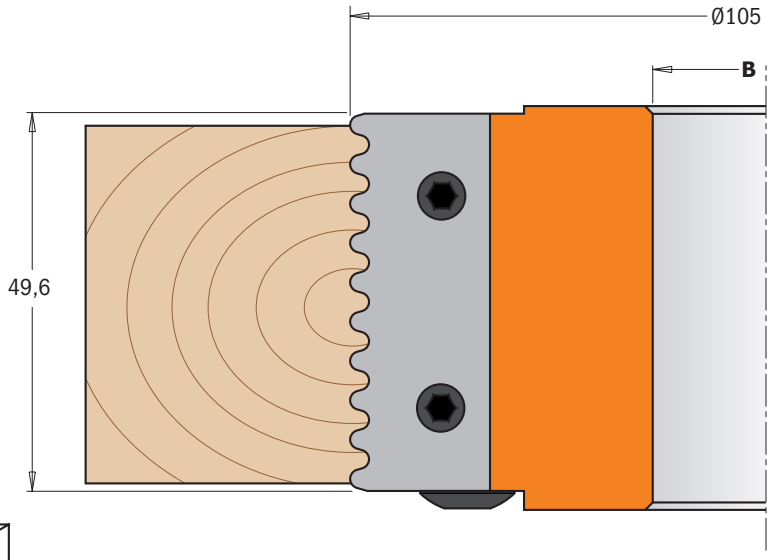
694.008

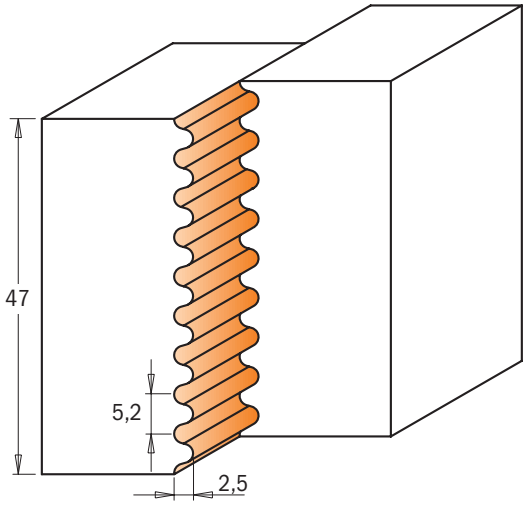
INSERT CARBIDE | MAN | Z2

The CMT professional finger joint cutter head makes the strongest side-to-side joints on all wood types and composites. The tightness of the joint and the maximum surface area for glue application ensure that the joint itself is stronger than an unworked piece of wood. Maximum thickness 47mm.
For use on spindle moulder machines, double-end tenoner and shaper machines.
Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 49,6x11,9x1,5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.





Drawing is 1:1 scale

D mm	B mm	Z	RPM		ORDER NO.
105	30	2	7300~11500	1	**694.008.30**
105	31,75	2	7300~11500	1	**694.008.31**
105	35	2	7300~11500	1	**694.008.35**
105	40	2	7300~11500	1	**694.008.40**
105	50	2	7300~11500	1	**694.008.50**

Spare parts

x2			
695.008.01	695.999.49	990.066.00	991.067.00
695.008.01	695.999.49	990.066.00	991.067.00
695.008.01	695.999.49	990.066.00	991.067.00
695.008.01	695.999.49	990.066.00	991.067.00
695.008.01	695.999.49	990.066.00	991.067.00

Optional

695.998.2630	Ø50x2,6x30mm guide ring
695.998.2631	Ø50x2,6x31,75mm guide ring
695.998.2635	Ø55x2,6x35mm guide ring
695.998.2640	Ø60x2,6x40mm guide ring
695.998.2650	Ø70x2,6x50mm guide ring

694.009

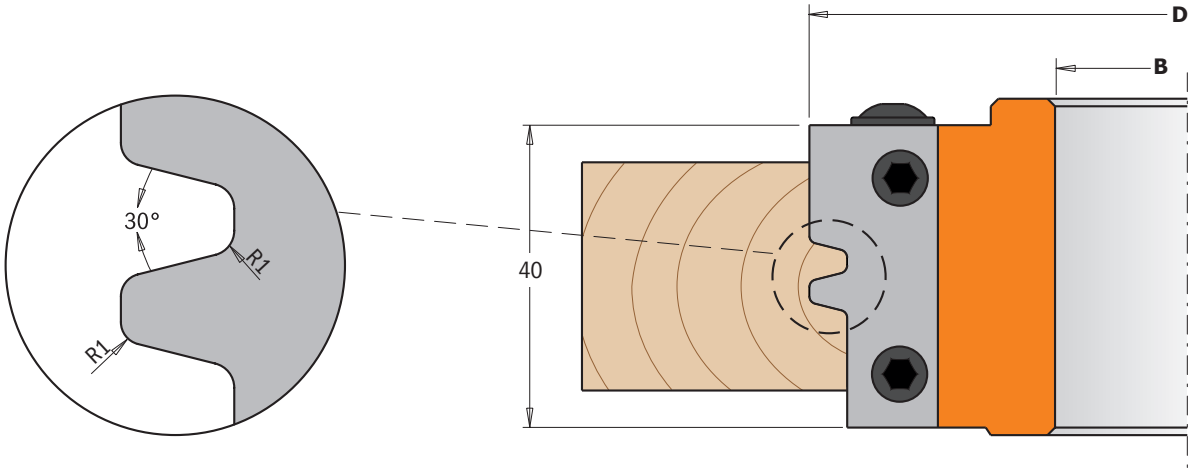
INSERT CARBIDE | MAN | Z2

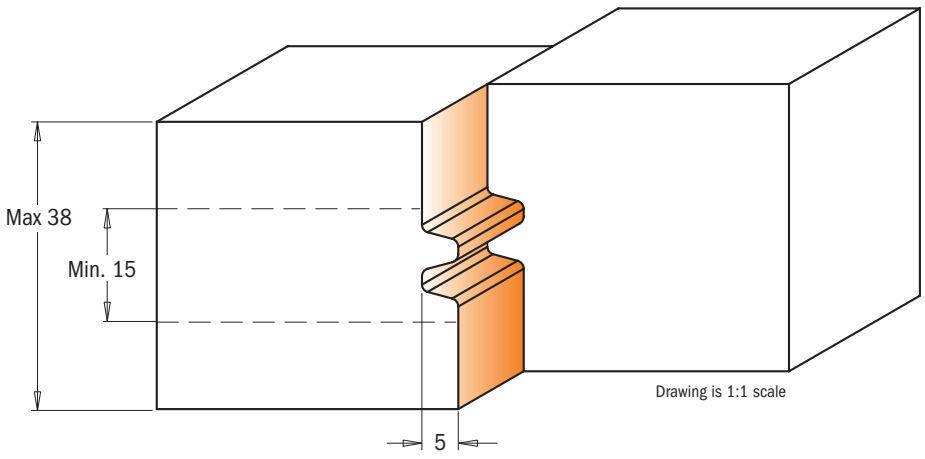
One of the unique characteristics of this particular CMT cutter head is its capacity to craft indestructible glue joints both quickly and accurately. Ideal for shaping panels, doors and furniture pieces of wide proportion. Simply run one side of the panel, turn the panel over, and then run the opposite side. The result? Perfectly harmonized reverse cuts which match up to produce a flawless joint. Excellent for most materials, but ideal on solid wood, coated and uncoated man-made materials.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 40x18x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.





D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2			
100	30	2	7500~12500	1	**694.009.30**	695.009.01	695.999.38	990.064.00	991.064.00
100	31,75	2	7500~12500	1	**694.009.31**	695.009.01	695.999.38	990.064.00	991.064.00
100	35	2	7500~12500	1	**694.009.35**	695.009.01	695.999.38	990.064.00	991.064.00
120	40	2	6400~10500	1	**694.009.40**	695.009.01	695.999.38	990.064.00	991.064.00
120	50	2	6400~10500	1	**694.009.50**	695.009.01	695.999.38	990.064.00	991.064.00

694.011

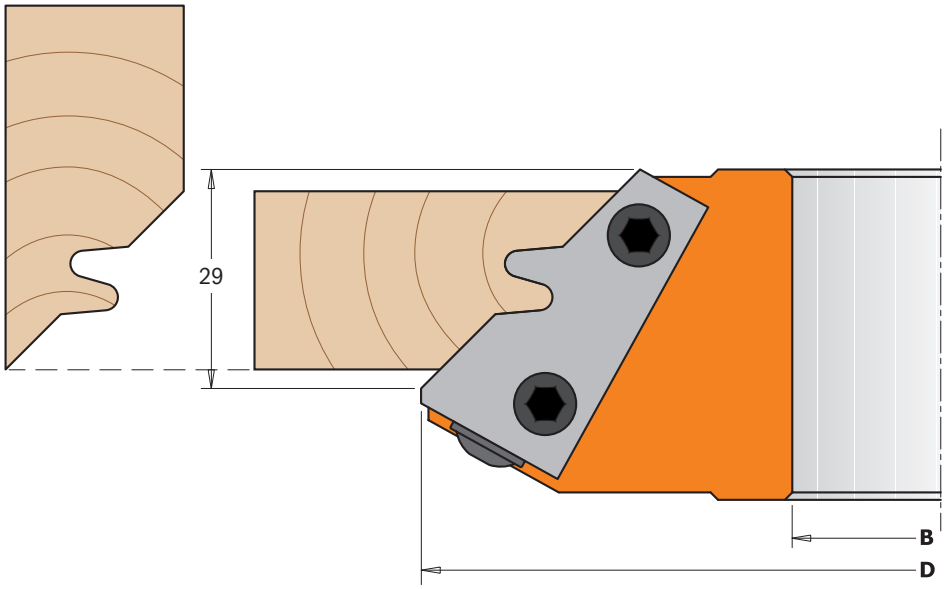
INSERT CARBIDE | MAN | Z2

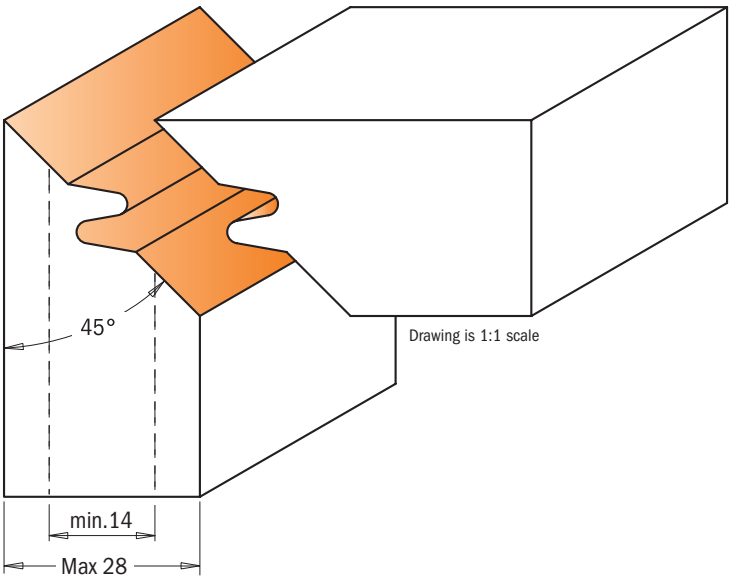
CMT's lock miter cutter heads are ideal for milling miter joints in stock with maximum 28mm in thickness. Create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects. Two easy steps to produce perfect fitting 45° miter joints: first, position your workpiece horizontally, then vertically. Also, create parallel glue joints in two steps: place your workpiece horizontally, internal side facing down, and then turn it facing up. For use on spindle moulder and shaper machines. Perfect on all materials, but ideal on solid wood and panels.

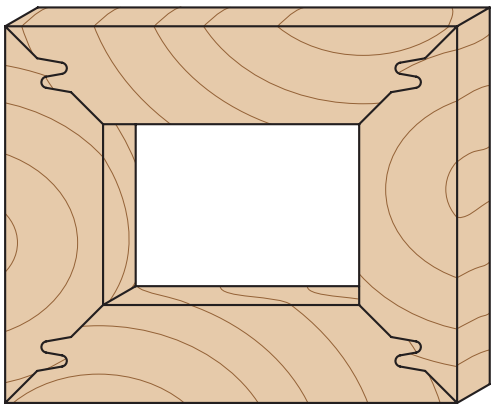
TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 43x23x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

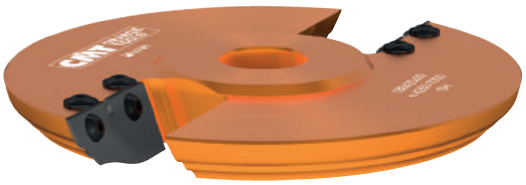
Supplied in a solid plastic box.







D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2			
140	30	2	5500~9500	1	**694.011.30**	695.011.01	695.999.42	990.064.00	991.064.00
140	31,75	2	5500~9500	1	**694.011.31**	695.011.01	695.999.42	990.064.00	991.064.00
140	35	2	5500~9500	1	**694.011.35**	695.011.01	695.999.42	990.064.00	991.064.00
140	40	2	5500~9500	1	**694.011.40**	695.011.01	695.999.42	990.064.00	991.064.00
150	50	2	5100~8800	1	**694.011.50**	695.011.01	695.999.42	990.064.00	991.064.00

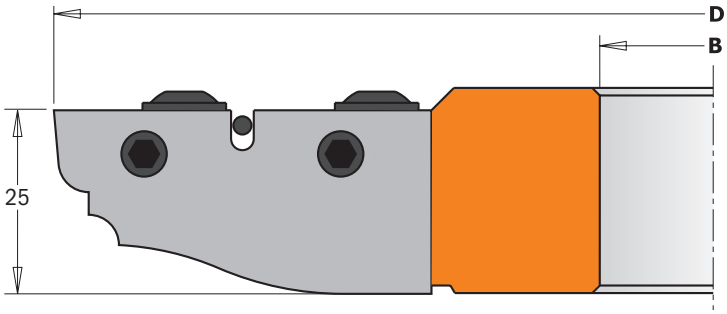


694.012

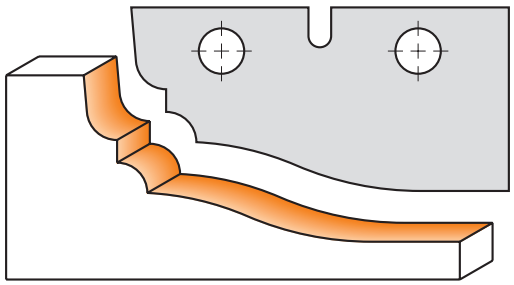
These new CMT cutter heads will allow you to make classic raised panels on furniture, interior and cabinet doors. An exceptional tool that makes up to six different profiles using the optional knives included. A practical and economical solution. We recommend multiple passes for safe and accurate finishing. For use on spindle moulders. Perfect for all materials, but ideal on solid wood and panels.

Supplied in a solid plastic box.

TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 50x25x2mm [Z2].
- Tools for manual feed (MAN)
- Pins for the automatic positioning of the knives.

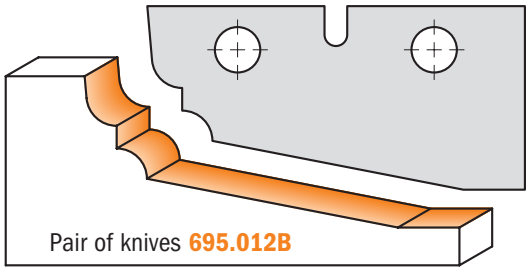


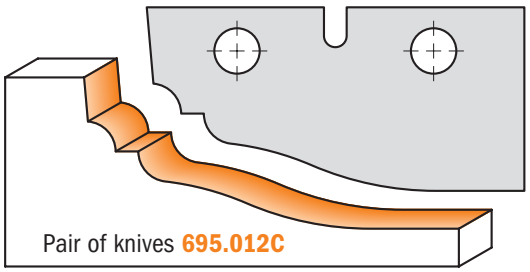
Standard Pair of knives **695.012A**

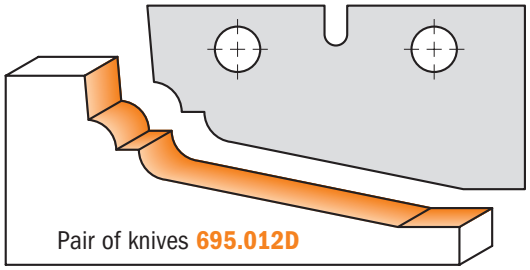


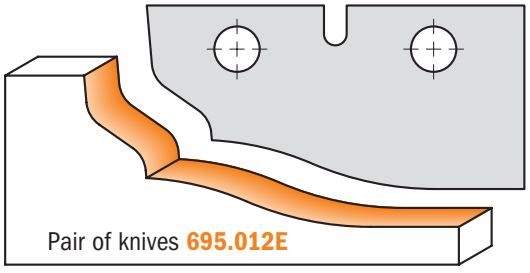
Drawing is 1:1 scale

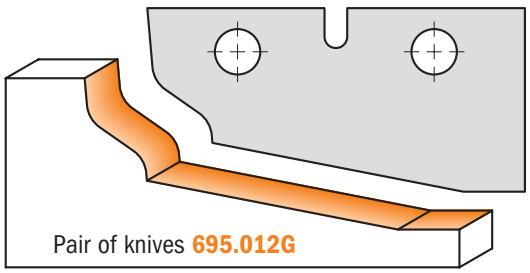
Optional











D mm	I mm	B mm	Z	RPM		ORDER NO.	Spare parts x2		
180	25	30	2	4200~7000	1	**694.012.30**	695.012A	990.107.00	991.067.00
180	25	35	2	4200~7000	1	**694.012.35**	695.012A	990.107.00	991.067.00
180	25	40	2	4200~7000	1	**694.012.40**	695.012A	990.107.00	991.067.00
180	25	50	2	4200~7000	1	**694.012.50**	695.012A	990.107.00	991.067.00

Optional

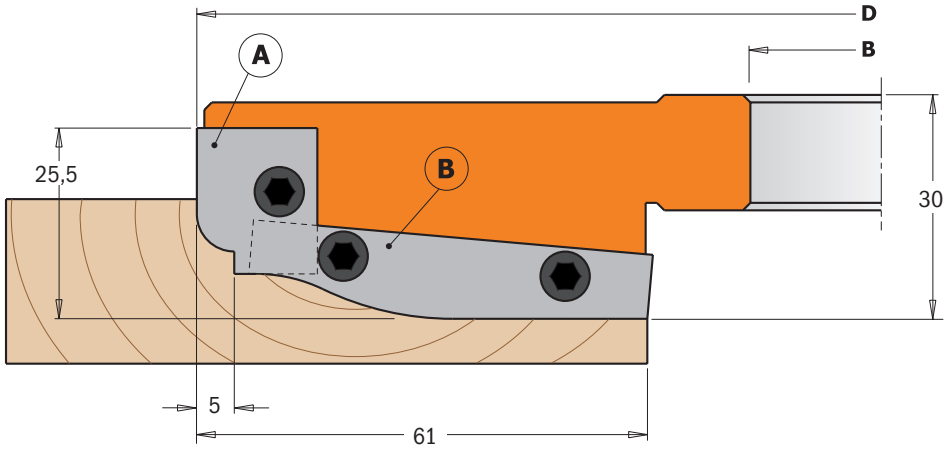
695.012B	50x25x2mm pair of knives type (B)
695.012C	50x25x2mm pair of knives type (C)
695.012D	50x25x2mm pair of knives type (D)
695.012E	50x25x2mm pair of knives type (E)
695.012G	50x25x2mm pair of knives type (G)

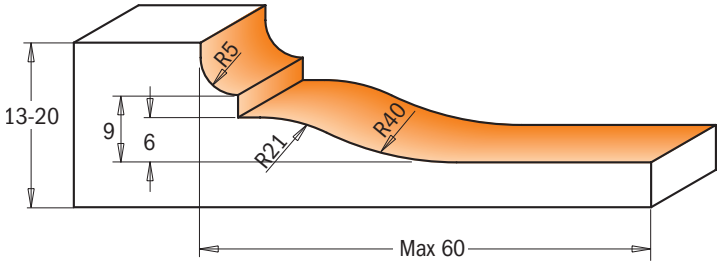
694.013

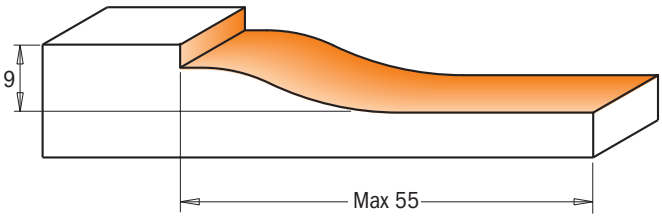
We offer a traditional approach to panel construction with these CMT raised panel cutter heads. Make classic raised panels on furniture, interior and cabinet doors on solid wood and wooden boards, and achieve three different profiles by adjusting the cutting depth.
We recommend multiple passes for safe and accurate finishing.
For use on spindle moulders.
Perfect for all materials, but ideal on solid wood and panels.

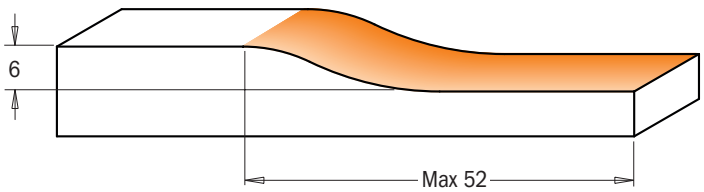
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 19,8x11,9x1,5mm [Z2].
- 2 HWM Knives type (B) 60x11,9x1,5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.









Drawing is 1:1 scale

D mm	B mm	Z	RPM		ORDER NO.	Spare parts x2	16x11x9,5mm	x2	53x11x9,5mm	
183	30	2+2	4100~7000	1	**694.013.30**	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
183	31,75	2+2	4100~7000	1	**694.013.31**	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
183	35	2+2	4100~7000	1	**694.013.35**	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
200	40	2+2	3800~6400	1	**694.013.40**	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
200	50	2+2	3800~6400	1	**694.013.50**	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00

Spare parts **991.083.00** 3x90x135mm hex key

694.015

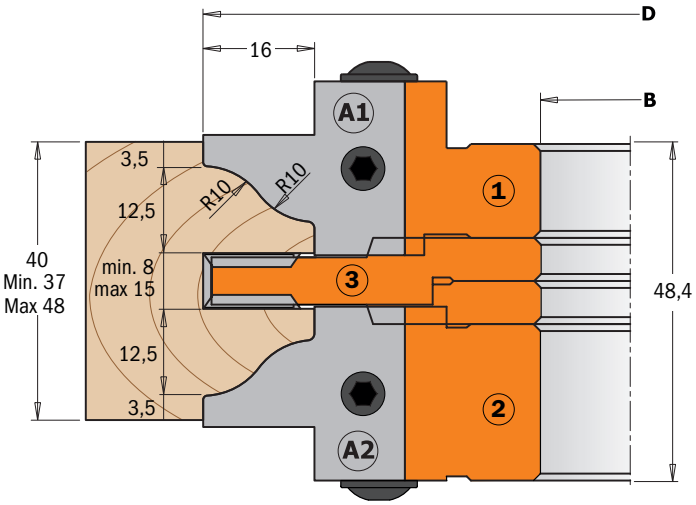
INSERT CARBIDE | MAN | Z2 | V4

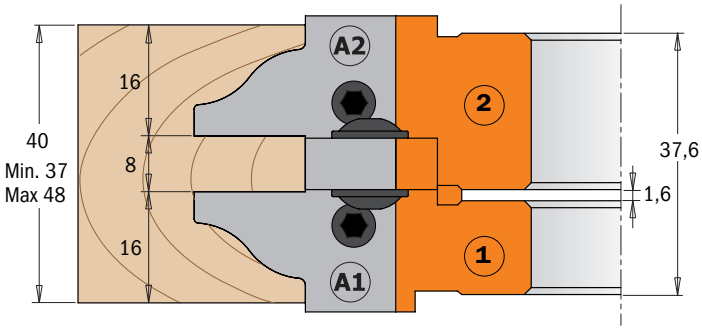
These versatile sets were designed to make furniture and doors on soft and hardwood. It allows the insertion of five different knives to produce the most popular and classical profiles. The adjustable cutter, included in the set, can also be used individually to carry out grooves between 8mm 15mm thick. For use on spindle moulders. Perfect on solid wood and panels maximum 48mm (1-7/8") in thickness.

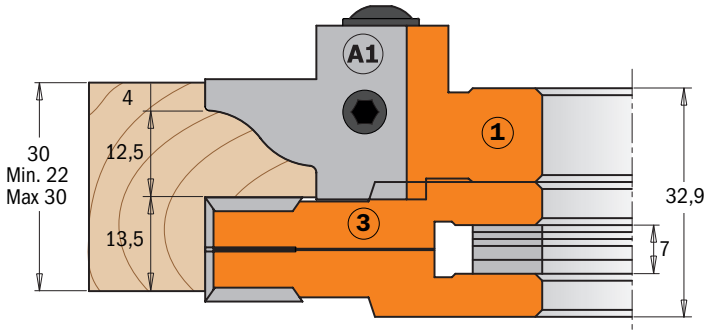
TECHNICAL DETAILS:

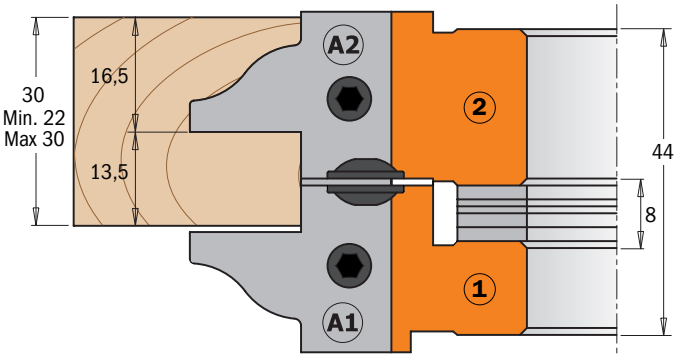
- Hard aluminium alloy body with high resistance to tensile and yield stress for cutter heads (1 & 2).
- Super-strength steel body for cutter head (3).
- 2 HWM knives type (A1) 25x29,8x2mm [Z2].
- 2 HWM knives type (A2) 25x29,8x2mm [Z2].
- 4 HWM knives 7,65x12x1,5mm [Z4].
- 4 HWM knives 14x14x2m for heads type (1 & 2).
- 12 spacer rings from 0,1 to 3mm for heads type (1 & 2).
- 12 spacer rings from 0,1 to 2mm for heads type (3).
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.









D mm	B mm	Z+V	RPM		ORDER NO.
132	30	2+4	5700~9500	1	**694.015.30**
132	31,75	2+4	5700~9500	1	**694.015.31**
132	35	2+4	5700~9500	1	**694.015.35**
147	40	2+4	5100~8500	1	**694.015.40**
147	50	2+4	5100~8500	1	**694.015.50**

Spare parts

9		10.6
695.998.01	695.998.21	695.998.30
695.998.02	695.998.22	695.998.31
695.998.03	695.998.23	695.998.35
695.998.04	695.998.24N	695.998.40
695.998.05	695.998.25N	

Spare parts

Head type (1)

695.015.A1 25x29,8x2mm HWM pair of knives (A1)
695.015.B1 25x29,8x2mm HWM pair of knives (B1)
695.015.C1 25x29,8x2mm HWM pair of knives (C1)
695.015.D1 25x29,8x2mm HWM pair of knives (D1)
695.015.E1 25x29,8x2mm HWM pair of knives (E1)
695.999.23 23x11x9,5mm wedge for knives
990.066.00 M6x16mm screw
991.067.00 3mm hex key

Head type (2)

695.015.A2 25x29,8x2mm HWM pair of knives (A2)
695.015.B2 25x29,8x2mm HWM pair of knives (B2)
695.015.C2 25x29,8x2mm HWM pair of knives (C2)
695.015.D2 25x29,8x2mm HWM pair of knives (D2)
695.015.E2 25x29,8x2mm HWM pair of knives (E2)
695.999.24 23x11x9,5mm wedge for knives
990.066.00 M6x16mm screws
991.067.00 3mm hex key

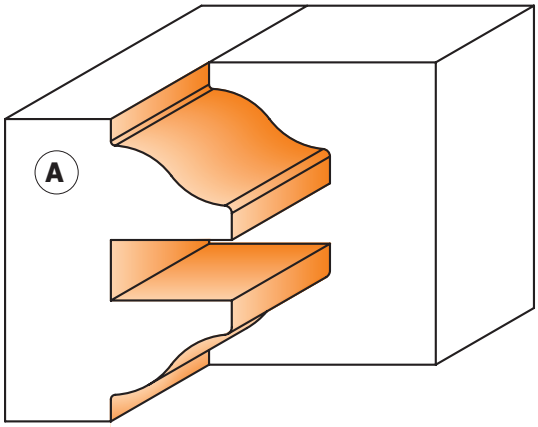
Head type (3)

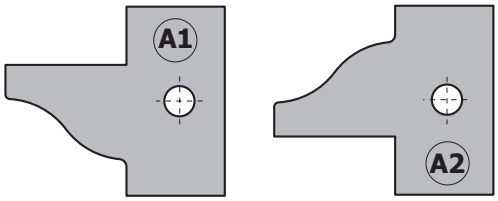
790.076.00 7,65x12x1,5mm HWM knives
695.999.07 6,8x11x9,5mm wedge for knives
990.063.00 M5x18mm screw
991.072.00 T20 hex key
790.140.00 14x14x2mm HWM Knives
990.080.00 M5x6,5mm screw
991.073.00 T25 hex key

790.076.00 and 790.140.00
are supplied in 10-piece pack or multiple

Standard

Pair of knives **695.015.A1** - Pair of knives **695.015.A2**

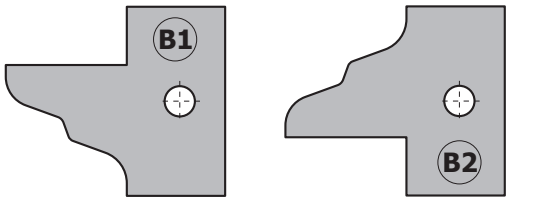


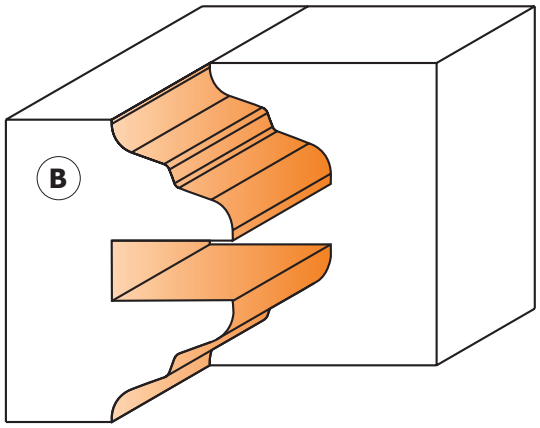


Drawing is 1:1 scale

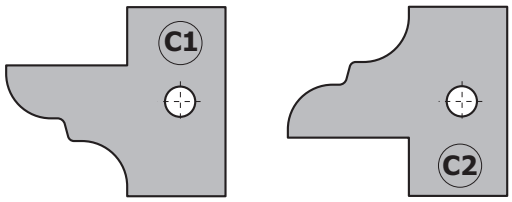
Optional

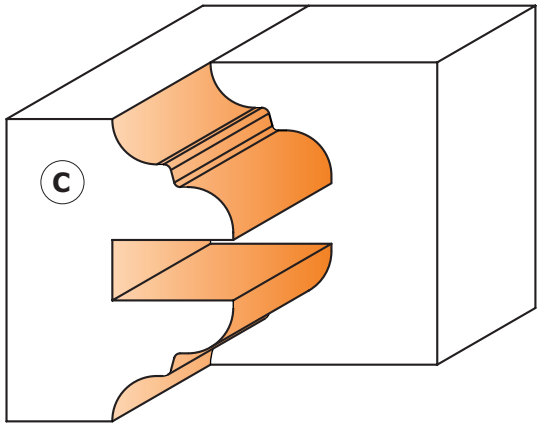
Pair of knives **695.015.B1**
Pair of knives **695.015.B2**



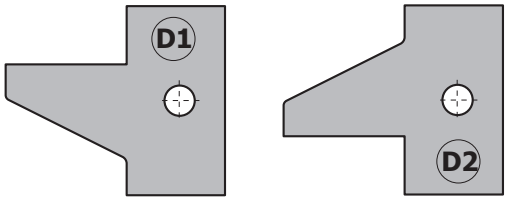


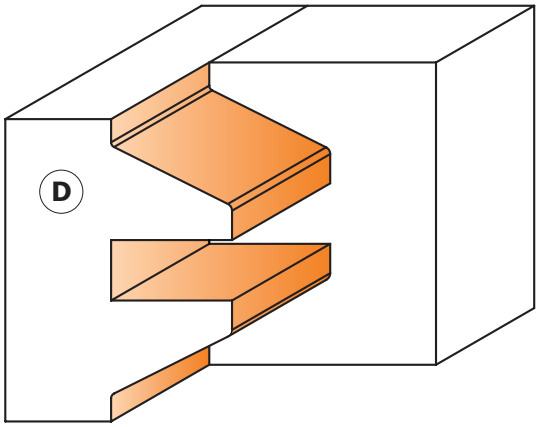
Pair of knives **695.015.C1**
Pair of knives **695.015.C2**



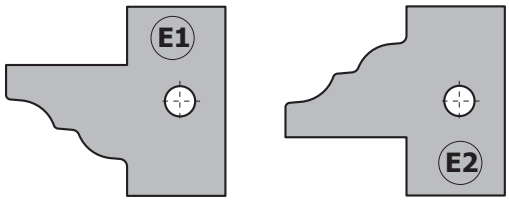


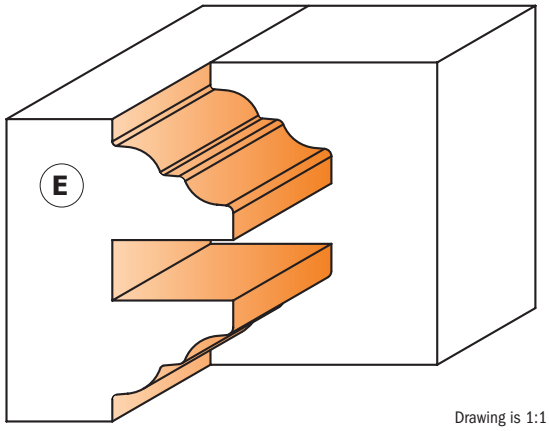
Pair of knives **695.015.D1**
Pair of knives **695.015.D2**





Pair of knives **695.015.E1**
Pair of knives **695.015.E2**





Drawing is 1:1 scale

694.014

INSERT CARBIDE | MAN | Z2

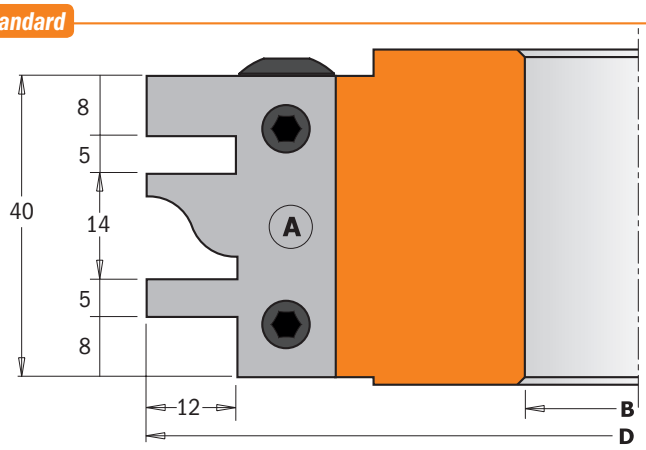
These are unique products made by combining two cutter heads, ideal for making furniture doors and drawers. By adjusting the height of the of the cutter head, you can cut two perfectly fitted profiles without wasting time or effort on the fence or replacing the tool. Improve your efficiency and save money only having to purchase one single cutter head!!! For use on spindle moulers. Perfect on hardwood and panels between 22mm-25mm in thickness.

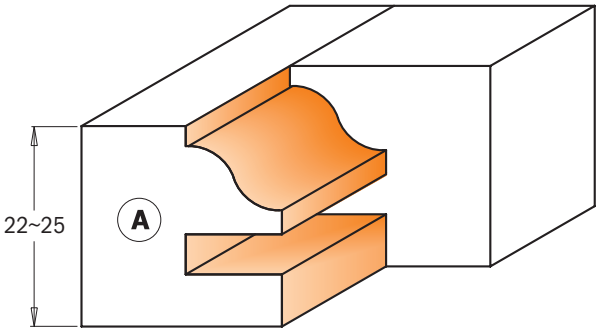
TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 40x24,5x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard

Pair of knives **695.014A**

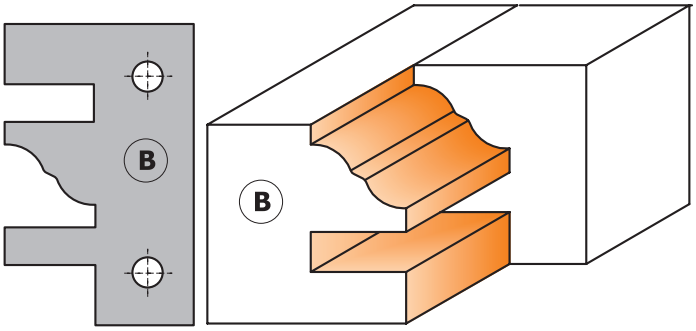




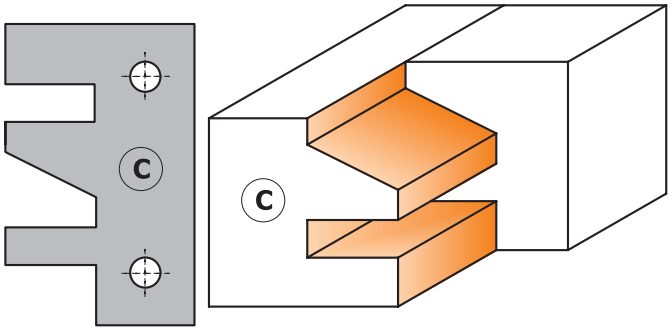
Drawing is 1:1 scale

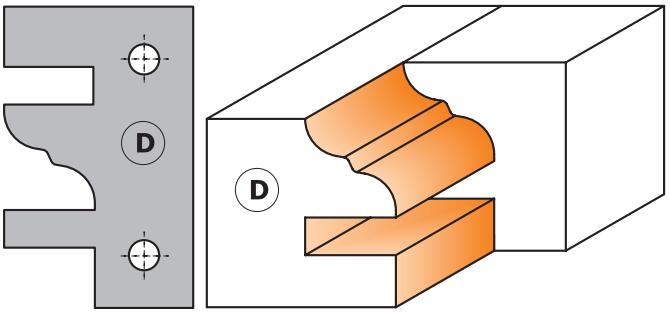
Optional

Pair of knives **695.014B**



Pair of knives **695.014C**





Drawing is 1:1 scale

Pair of knives **695.014D**

D mm	B mm	Z	RPM		ORDER NO.
120	30	2	6400~10500	1	**694.014.30**
120	31,75	2	6400~10500	1	**694.014.31**
120	35	2	6400~10500	1	**694.014.35**
120	40	2	6400~10500	1	**694.014.40**
130	50	2	5900~9700	1	**694.014.50**

Spare parts x2			
695.014A	695.999.39	990.066.00	991.067.00
695.014A	695.999.39	990.066.00	991.067.00
695.014A	695.999.39	990.066.00	991.067.00
695.014A	695.999.39	990.066.00	991.067.00
695.014A	695.999.39	990.066.00	991.067.00

Optional

695.014B 40x24,5x2mm pair of knives type (B)
695.014C 40x24,5x2mm pair of knives type (C)
695.014D 40x24,5x2mm pair of knives type (D)

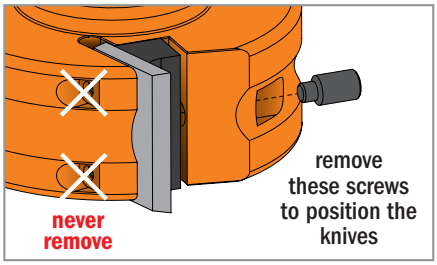
Cutter Heads without Limiters

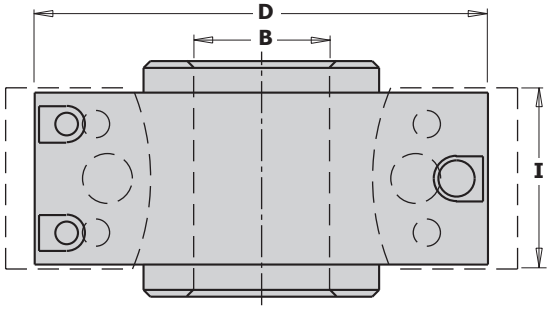
692

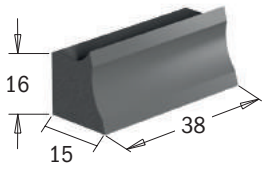
CMT cutter heads guarantee excellent performance for all your projects.
For use on all types of moulder and spindle moulder machines.

TECHNICAL DETAILS:
- Hard aluminium or steel alloy cutter head without limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives included.
- Tools for mechanical feed (MEC).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. 690).

Supplied in a solid plastic box to contain up to 12 couples of knives.







D mm	I mm	B mm	RPM		ORDER NO. Steel body	ORDER NO. Alumimium body	Spare parts		
78	40	19,05	7000~9000	1		**692.078.19***	692.999.01	990.064.00	991.064.00
78	40	30	7000~9000	1		**692.078.30***	692.999.01	990.064.00	991.064.00
100	40-50	25,4	5500~8400	1		**692.100.26**	692.999.01	990.064.00	991.064.00
100	40-50	30	5500~8400	1	**692.101.30**	**692.100.30**	692.999.01	990.064.00	991.064.00
100	40-50	31,75	5500~8400	1		**692.100.31**	692.999.01	990.064.00	991.064.00
100	40-50	35	5500~8400	1	**692.101.35**	**692.100.35**	692.999.01	990.064.00	991.064.00
120	40-50	50	4800~7400	1	**692.121.50**	**692.120.50**	692.999.01	990.064.00	991.064.00

*For safety reasons we recommend the use of knives with a 40mm height only.

Cutter Heads with Limiters

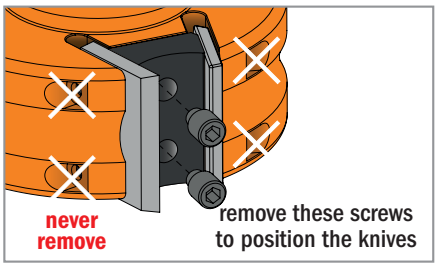
Made in compliance with EU Directive EN 847-1.

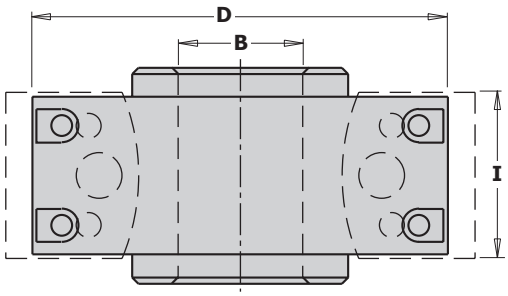
693

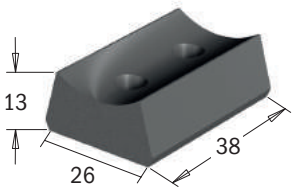
CMT cutter heads guarantee excellent performance for all your projects.
For use on all types of moulder and spindle moulder machines.

TECHNICAL DETAILS:
- Hard aluminium or steel alloy cutter head with limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives and limiters included.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. 690) and limiters (order no. 691).

Supplied in a solid plastic box to contain up to 12 couples of knives.





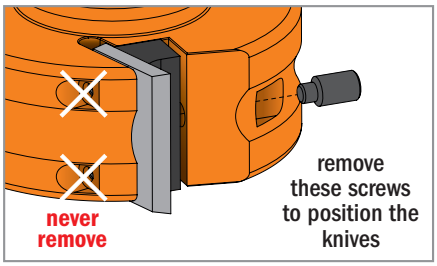


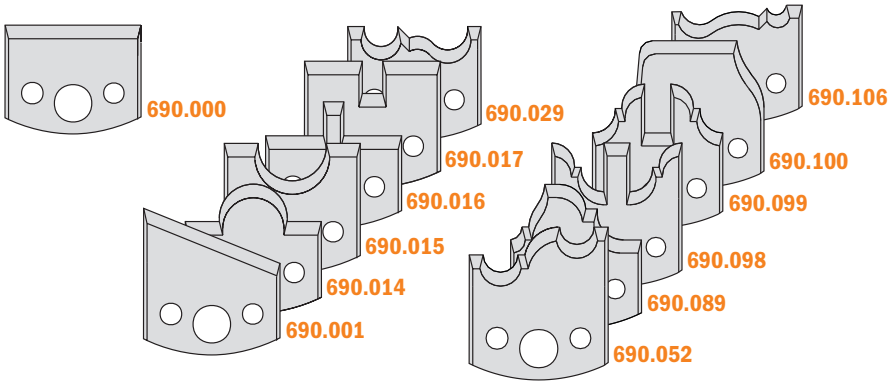
D mm	I mm	B mm	RPM		ORDER NO. Steel body	ORDER NO. Alumimium body	Spare parts		
78	40	30	7000~9000	1	**693.078.30**		693.999.01	990.065.00	991.064.00
100	40-50	30	5500~8400	1	**693.101.30**	**693.100.30**	693.999.01	990.065.00	991.064.00
100	40-50	31,75	5500~8400	1		**693.100.31**	693.999.01	990.065.00	991.064.00
100	40-50	35	5500~8400	1	**693.101.35**	**693.100.35**	693.999.01	990.065.00	991.064.00
120	40-50	50	4800~7400	1	**693.121.50**	**693.120.50**	693.999.01	990.065.00	991.064.00

692

These sets are ideal for making joints and frames and include 3 essential profiles specifically for crafting doors. An invaluable asset for any professional woodworker. The cutter heads included allow the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:
- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.



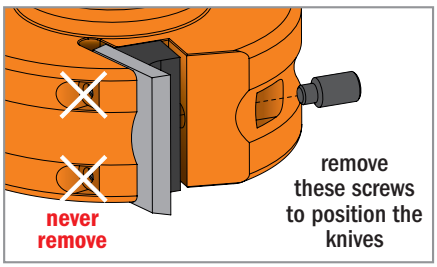


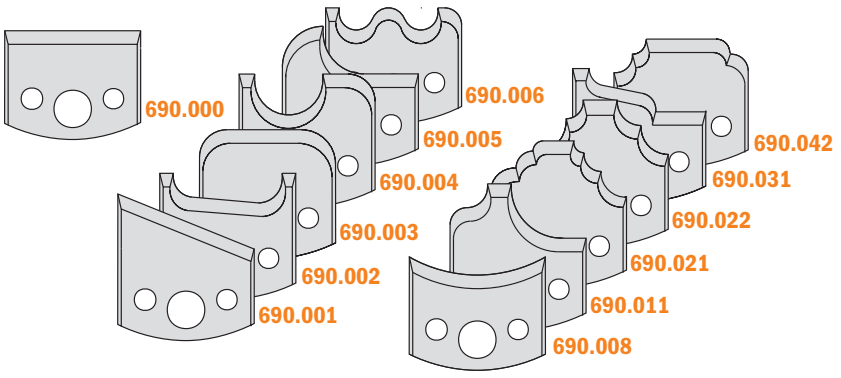
D mm	I mm	B mm	RPM		ORDER NO.	Spare parts		
78	40	19,05	7000~9000	1	**692.013.09**	692.999.01	990.064.00	991.064.00
78	40	30	7000~9000	1	**692.013.01**	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	1	**692.013.10**	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	1	**692.013.02**	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	1	**692.013.11**	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	1	**692.013.03**	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	1	**692.013.04**	692.999.01	990.064.00	991.064.00

692

These sets include 13 profile knives for making joints, frames, multiple profiles, moldings and chamfers. Ideal for the professional woodworker. The cutter head included allows the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:
- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.





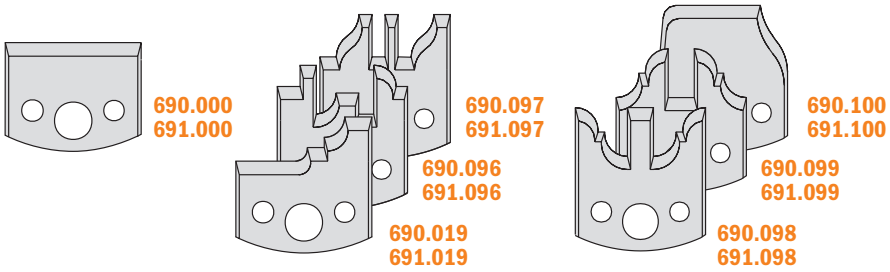
D mm	I mm	B mm	RPM		ORDER NO.	Spare parts		
78	40	19,05	7000~9000	1	**692.013.12**	692.999.01	990.064.00	991.064.00
78	40	30	7000~9000	1	**692.013.05**	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	1	**692.013.13**	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	1	**692.013.06**	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	1	**692.013.14**	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	1	**692.013.07**	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	1	**692.013.08**	692.999.01	990.064.00	991.064.00

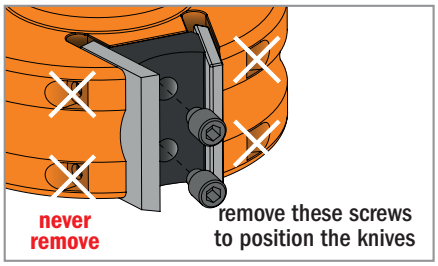
7 Piece Multiprofile Cutter Head Sets with Limiters

693

The professional woodworker now has the chance to make kitchen doors with a horizontal profile and male-and-female joints with two pairs of cutters. In fact, along with 7 profiled knives these sets also contain a specially designed cutter head that allows the insertion of knives with a height of either 40mm or 50mm, and safety limiters produced in compliance with the European Regulation EN 847-1. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives.
- 7 pairs of knives with 40mm of cutting.
- 7 pairs of relative limiters.





D mm	I mm	B mm	RPM		ORDER NO.
100	40	30	5500~8400	1	**693.013.01**
100	40	35	5500~8400	1	**693.013.02**
120	40	50	4800~7400	1	**693.013.03**

Spare parts

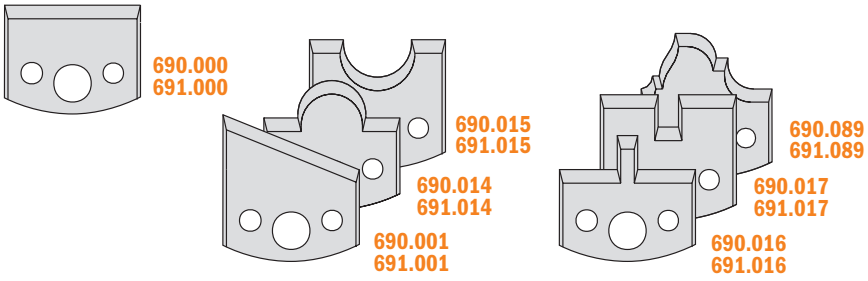
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00

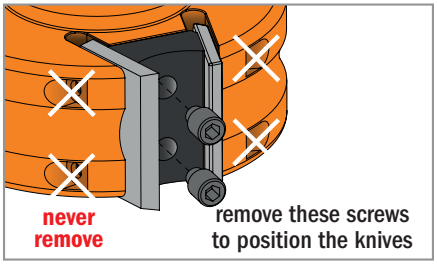
7 Piece Multiprofile Cutter Head Sets with Limiters

693

This set contains 7 profiles knives and a cutter head for making joints, frames and chamfers. The cutter heads allow the insertion of knives at a height of either 40mm or 50mm. Safety limiters are produced in compliance with EU Directive EN 847-1. both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives.
- 7 pairs of knives with 40mm of cutting.
- 7 pairs of relative limiters.



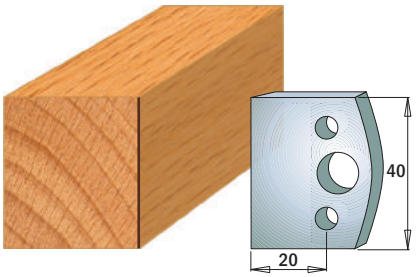


D mm	I mm	B mm	RPM		ORDER NO.
100	40	30	5500~8400	1	**693.013.04**
100	40	35	5500~8400	1	**693.013.05**
120	40	50	4800~7400	1	**693.013.06**

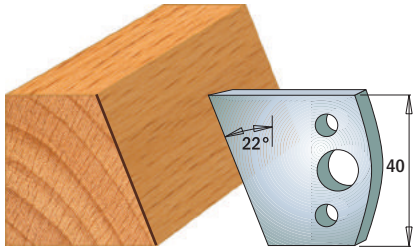
Spare parts

693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00

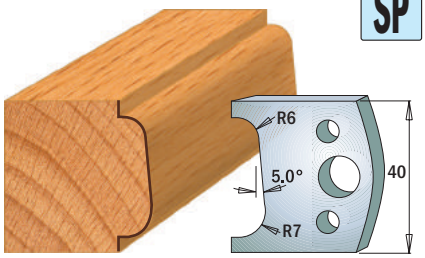
SP



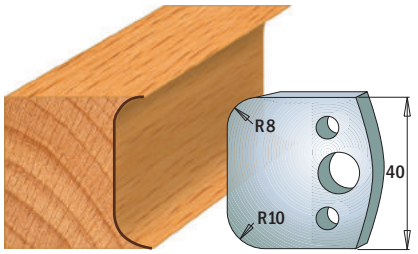
Pair of knives	**690.000**
Pair of limiters	**691.000**



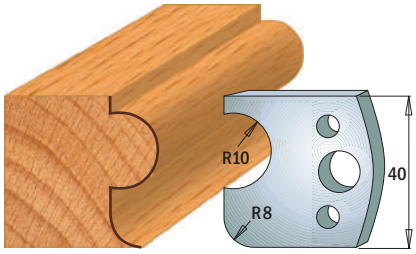
Pair of knives	**690.001**
Pair of limiters	**691.001**



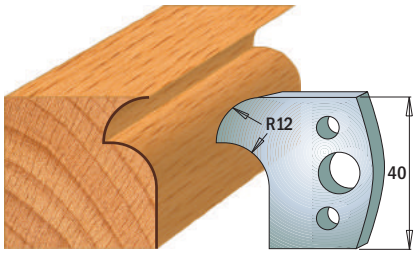
Pair of knives	**690.002**
Pair of limiters	**691.002**



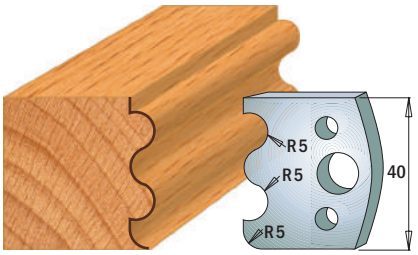
Pair of knives	**690.003**
Pair of limiters	**691.003**



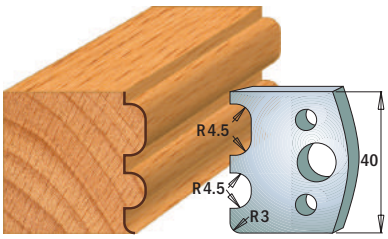
Pair of knives	**690.004**
Pair of limiters	**691.004**



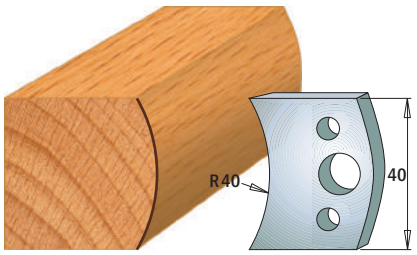
Pair of knives	**690.005**
Pair of limiters	**691.005**



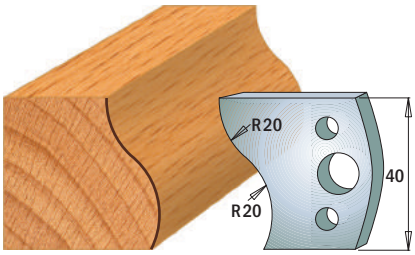
Pair of knives	**690.006**
Pair of limiters	**691.006**



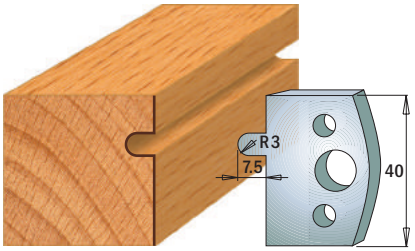
Pair of knives	**690.007**
Pair of limiters	**691.007**



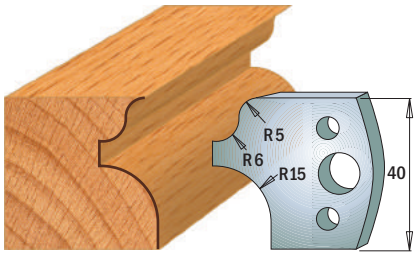
Pair of knives	**690.008**
Pair of limiters	**691.008**



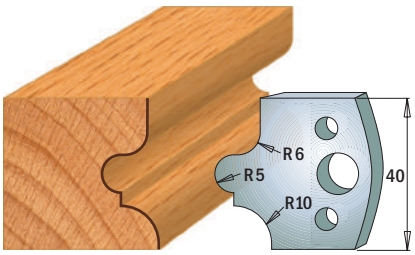
Pair of knives	**690.009**
Pair of limiters	**691.009**



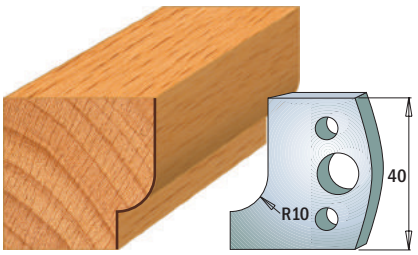
Pair of knives	**690.010**
Pair of limiters	**691.010**



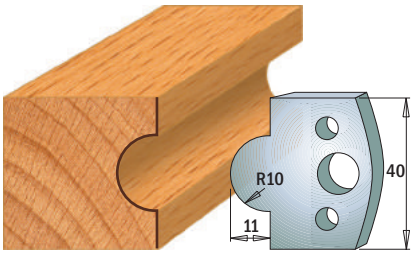
Pair of knives	**690.011**
Pair of limiters	**691.011**



Pair of knives	**690.012**
Pair of limiters	**691.012**



Pair of knives	**690.013**
Pair of limiters	**691.013**



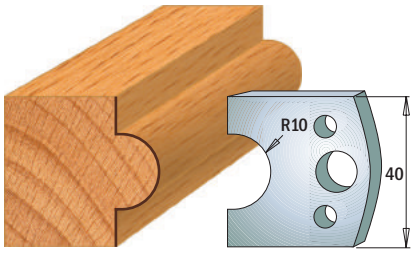
Pair of knives	**690.014**
Pair of limiters	**691.014**

Note: all knives & limiters available only in pairs

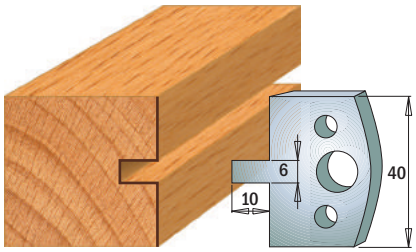
Drawings are 1:2 scale

Dimensions in mm.

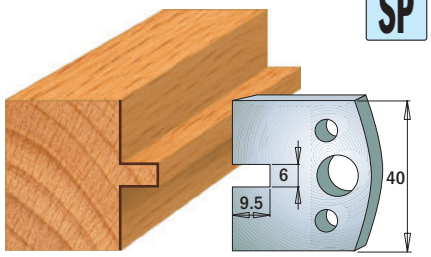
SP



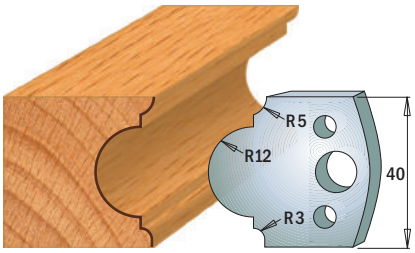
Pair of knives	**690.015**
Pair of limiters	**691.015**



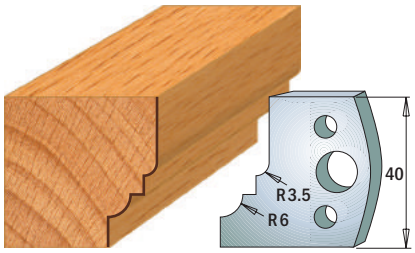
Pair of knives	**690.016**
Pair of limiters	**691.016**



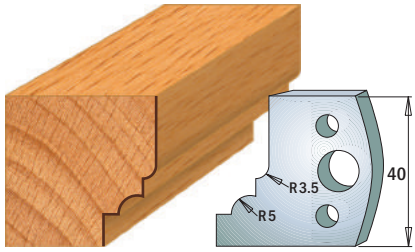
Pair of knives	**690.017**
Pair of limiters	**691.017**



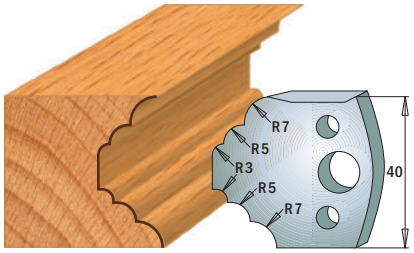
Pair of knives	**690.018**
Pair of limiters	**691.018**



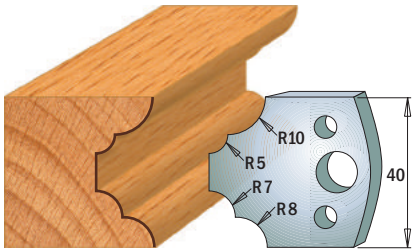
Pair of knives	**690.019**
Pair of limiters	**691.019**



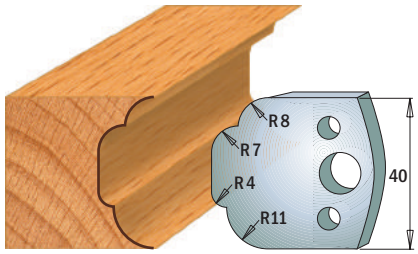
Pair of knives	**690.020**
Pair of limiters	**691.020**



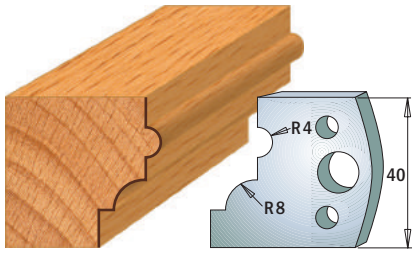
Pair of knives	**690.021**
Pair of limiters	**691.021**



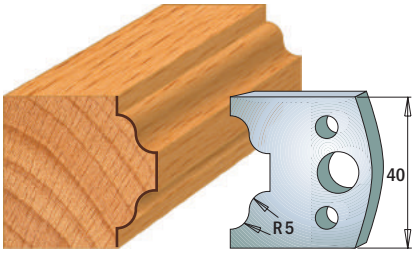
Pair of knives	**690.022**
Pair of limiters	**691.022**



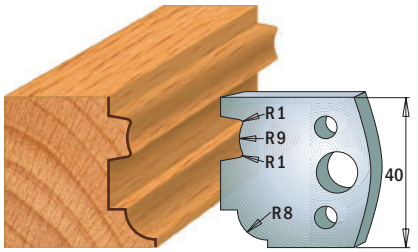
Pair of knives	**690.023**
Pair of limiters	**691.023**



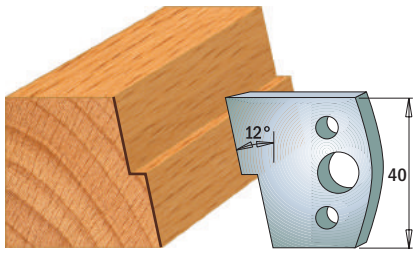
Pair of knives	**690.024**
Pair of limiters	**691.024**



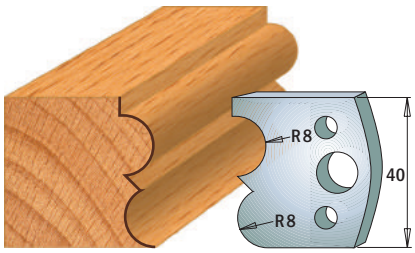
Pair of knives	**690.025**
Pair of limiters	**691.025**



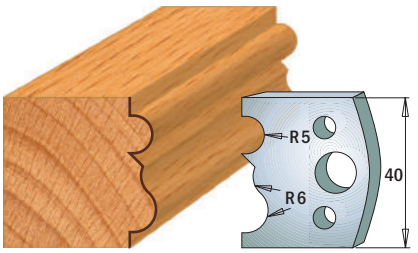
Pair of knives	**690.026**
Pair of limiters	**691.026**



Pair of knives	**690.027**
Pair of limiters	**691.027**



Pair of knives	**690.028**
Pair of limiters	**691.028**



Pair of knives	**690.029**
Pair of limiters	**691.029**

Note: all knives & limiters available only in pairs

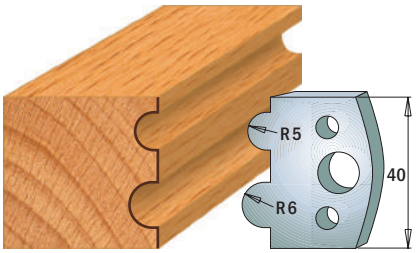
Drawings are 1:2 scale

Dimensions in mm.

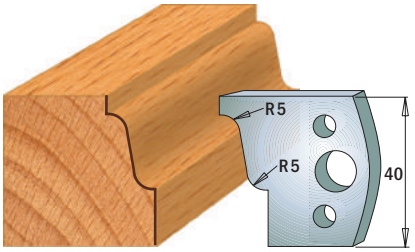
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm **Pack Qty.** 10

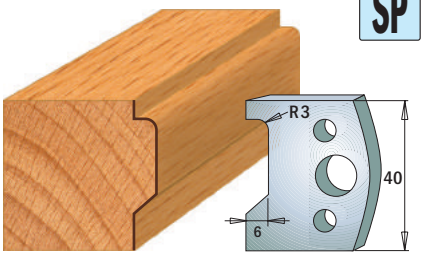
SP



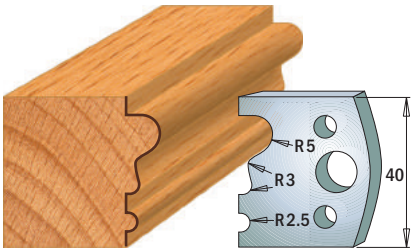
Pair of knives	**690.030**
Pair of limiters	**691.030**



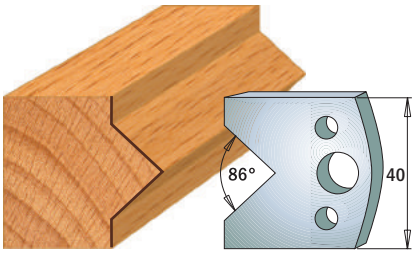
Pair of knives	**690.031**
Pair of limiters	**691.031**



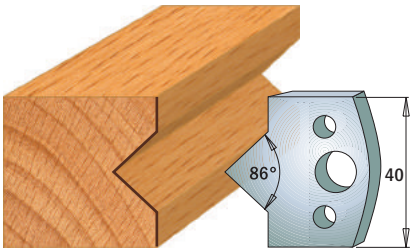
Pair of knives	**690.032**
Pair of limiters	**691.032**



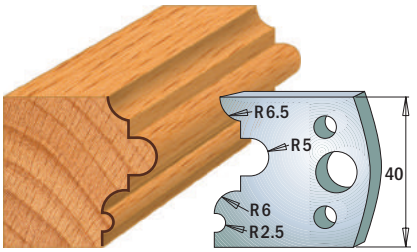
Pair of knives	**690.033**
Pair of limiters	**691.033**



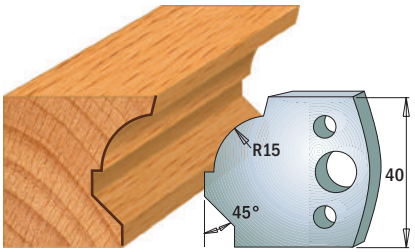
Pair of knives	**690.034**
Pair of limiters	**691.034**



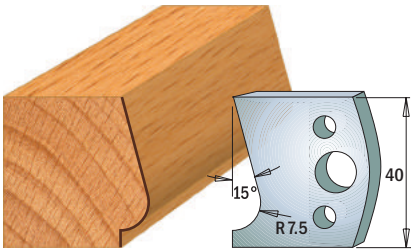
Pair of knives	**690.035**
Pair of limiters	**691.035**



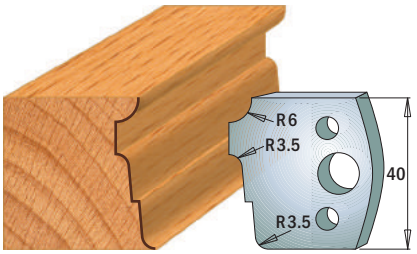
Pair of knives	**690.036**
Pair of limiters	**691.036**



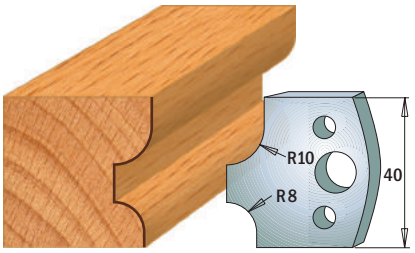
Pair of knives	**690.037**
Pair of limiters	**691.037**



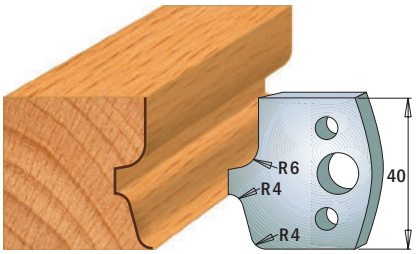
Pair of knives	**690.038**
Pair of limiters	**691.038**



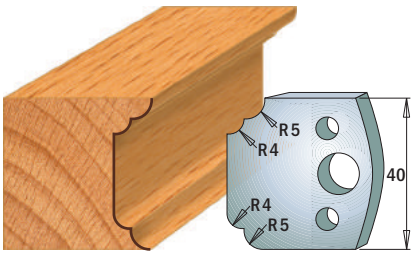
Pair of knives	**690.039**
Pair of limiters	**691.039**



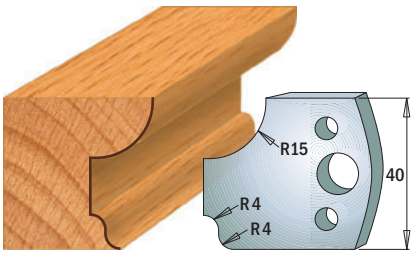
Pair of knives	**690.040**
Pair of limiters	**691.040**



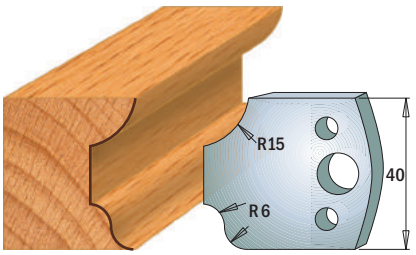
Pair of knives	**690.041**
Pair of limiters	**691.041**



Pair of knives	**690.042**
Pair of limiters	**691.042**



Pair of knives	**690.043**
Pair of limiters	**691.043**



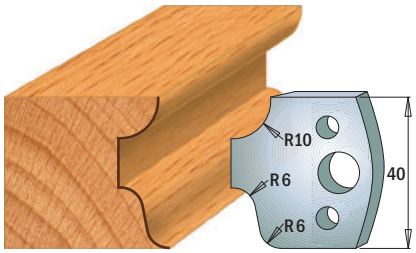
Pair of knives	**690.044**
Pair of limiters	**691.044**

Note: all knives & limiters available only in pairs

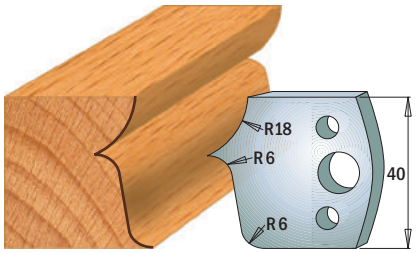
Drawings are 1:2 scale

Dimensions in mm.

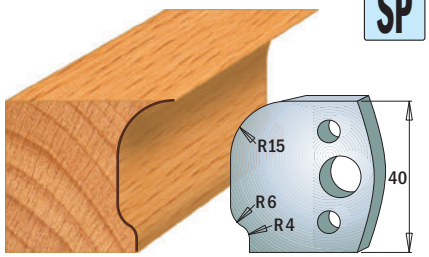
SP



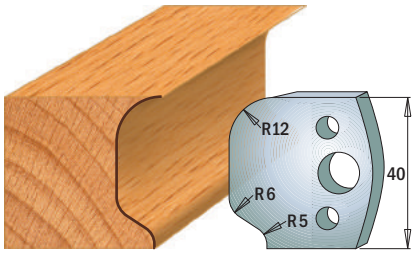
Pair of knives	**690.045**
Pair of limiters	**691.045**



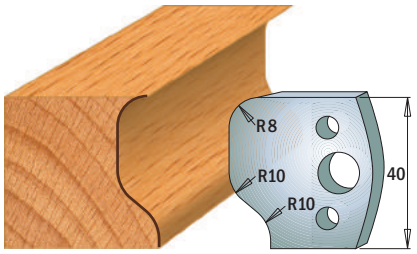
Pair of knives	**690.046**
Pair of limiters	**691.046**



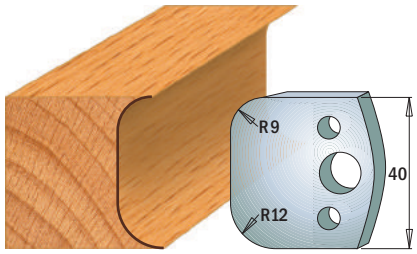
Pair of knives	**690.047**
Pair of limiters	**691.047**



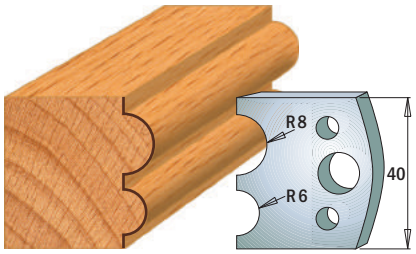
Pair of knives	**690.048**
Pair of limiters	**691.048**



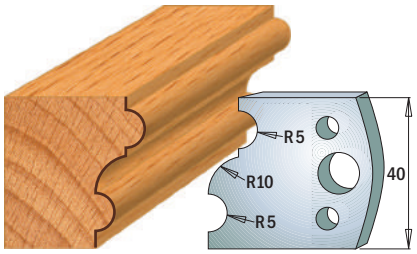
Pair of knives	**690.049**
Pair of limiters	**691.049**



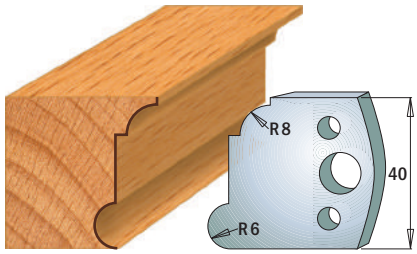
Pair of knives	**690.050**
Pair of limiters	**691.050**



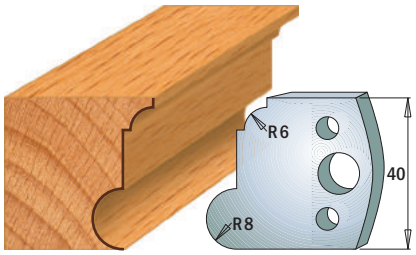
Pair of knives	**690.051**
Pair of limiters	**691.051**



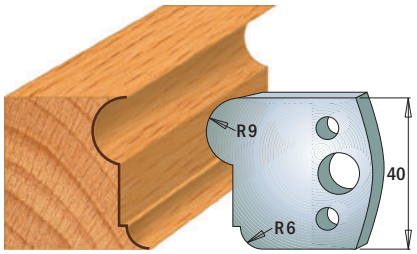
Pair of knives	**690.052**
Pair of limiters	**691.052**



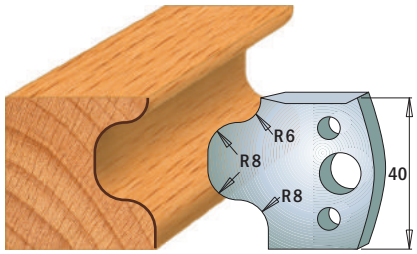
Pair of knives	**690.053**
Pair of limiters	**691.053**



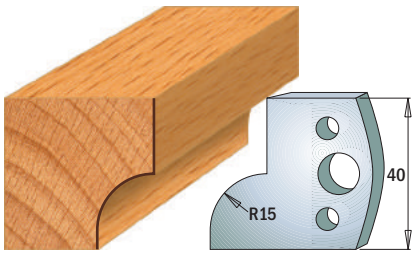
Pair of knives	**690.054**
Pair of limiters	**691.054**



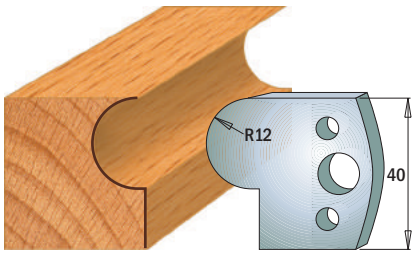
Pair of knives	**690.055**
Pair of limiters	**691.055**



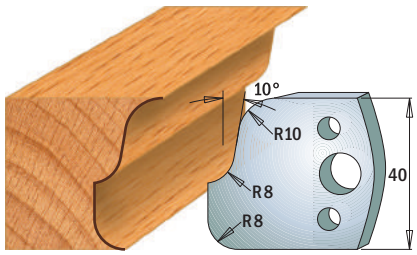
Pair of knives	**690.056**
Pair of limiters	**691.056**



Pair of knives	**690.057**
Pair of limiters	**691.057**



Pair of knives	**690.058**
Pair of limiters	**691.058**



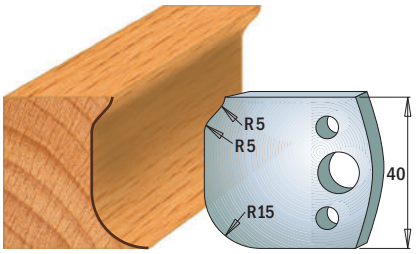
Pair of knives	**690.059**
Pair of limiters	**691.059**

Note: all knives & limiters available only in pairs

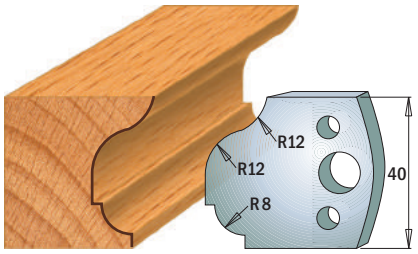
Drawings are 1:2 scale

Dimensions in mm.

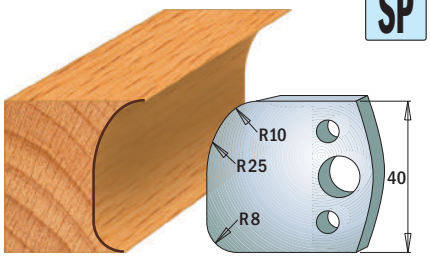
SP



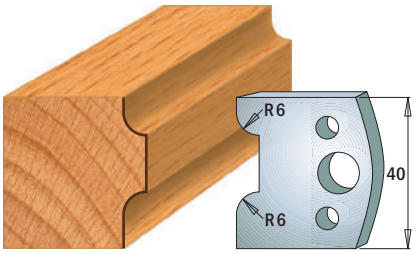
Pair of knives	**690.060**
Pair of limiters	**691.060**



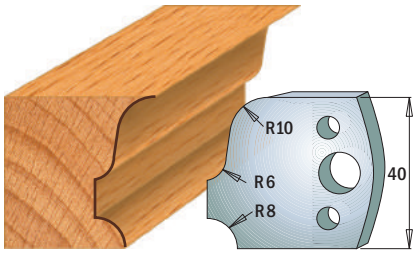
Pair of knives	**690.061**
Pair of limiters	**691.061**



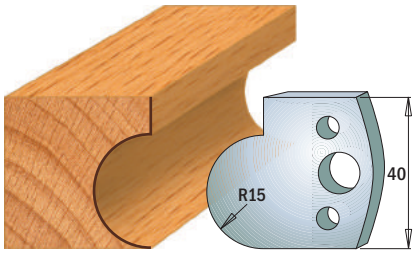
Pair of knives	**690.062**
Pair of limiters	**691.062**



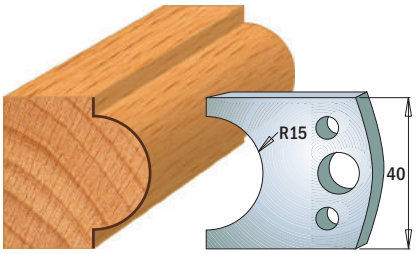
Pair of knives	**690.063**
Pair of limiters	**691.063**



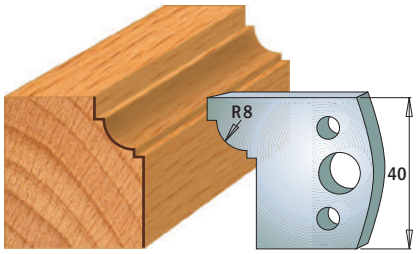
Pair of knives	**690.064**
Pair of limiters	**691.064**



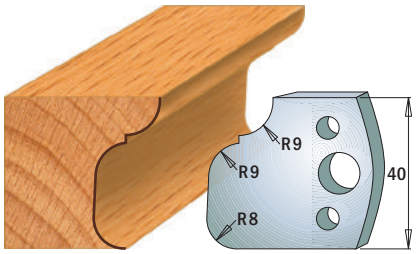
Pair of knives	**690.065**
Pair of limiters	**691.065**



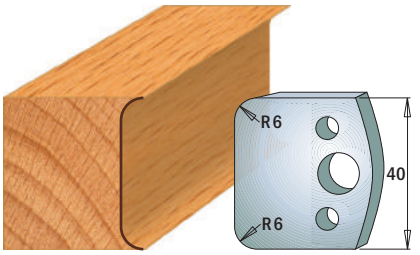
Pair of knives	**690.066**
Pair of limiters	**691.066**



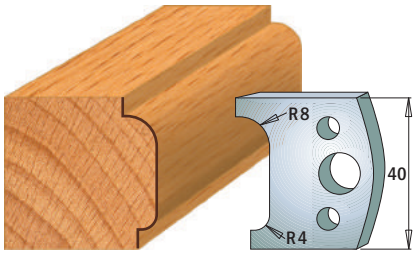
Pair of knives	**690.067**
Pair of limiters	**691.067**



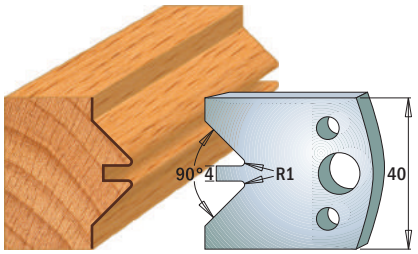
Pair of knives	**690.068**
Pair of limiters	**691.068**



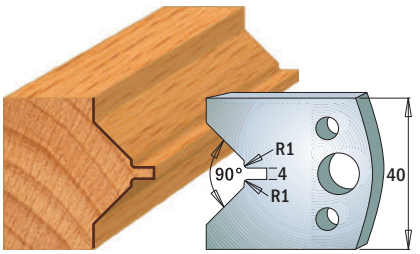
Pair of knives	**690.069**
Pair of limiters	**691.069**



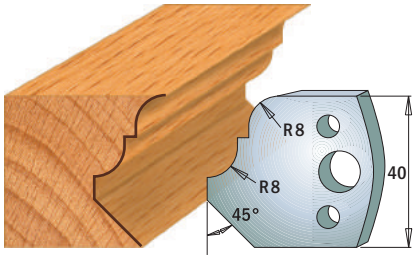
Pair of knives	**690.070**
Pair of limiters	**691.070**



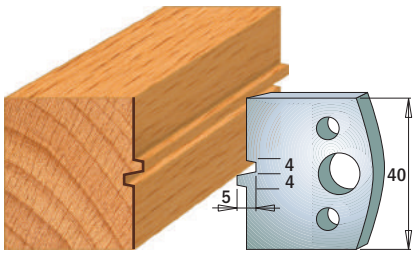
Pair of knives	**690.071**
Pair of limiters	**691.071**



Pair of knives	**690.072**
Pair of limiters	**691.072**



Pair of knives	**690.073**
Pair of limiters	**691.073**



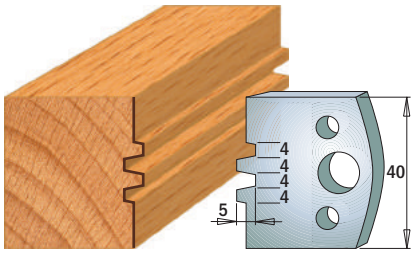
Pair of knives	**690.074**
Pair of limiters	**691.074**

Note: all knives & limiters available only in pairs

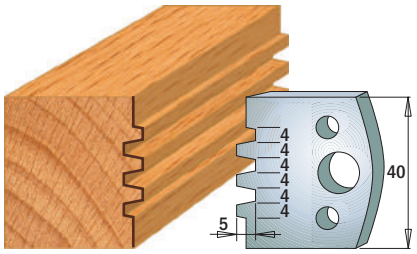
Drawings are 1:2 scale

Dimensions in mm.

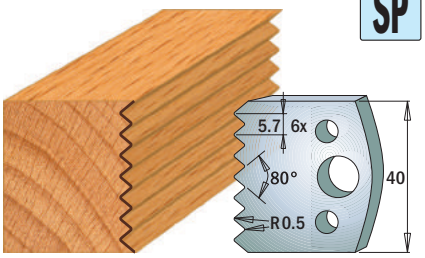
SP



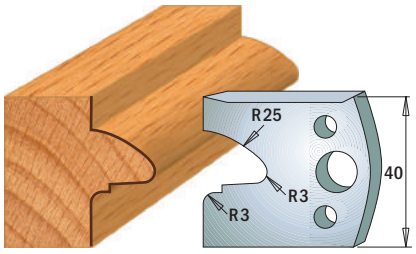
Pair of knives	**690.075**
Pair of limiters	**691.075**



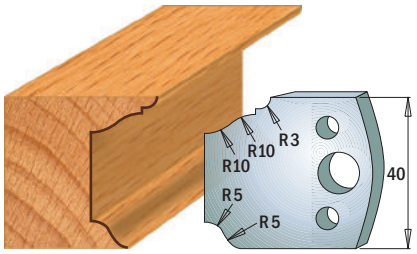
Pair of knives	**690.076**
Pair of limiters	**691.076**



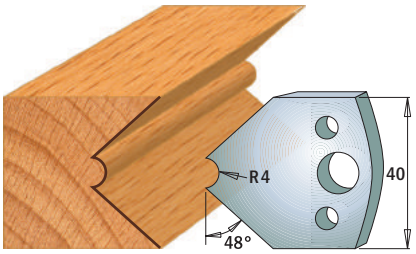
Pair of knives	**690.077**
Pair of limiters	**691.077**



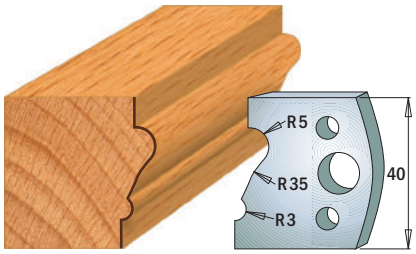
Pair of knives	**690.078**
Pair of limiters	**691.078**



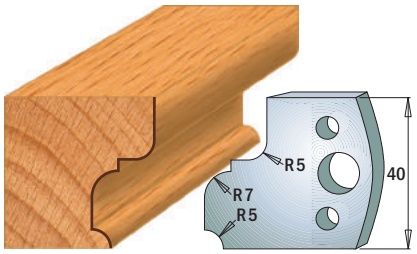
Pair of knives	**690.079**
Pair of limiters	**691.079**



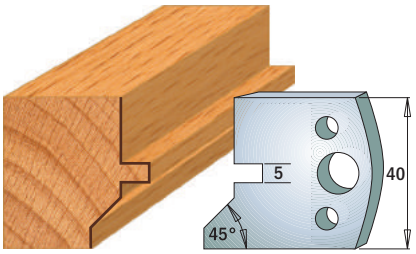
Pair of knives	**690.080**
Pair of limiters	**691.080**



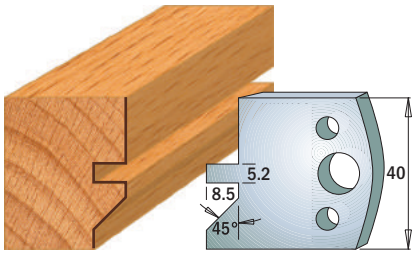
Pair of knives	**690.081**
Pair of limiters	**691.081**



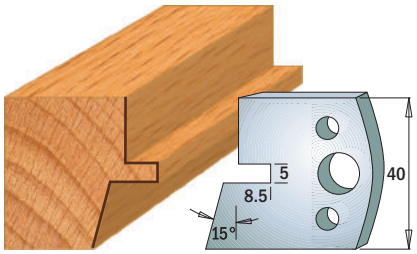
Pair of knives	**690.082**
Pair of limiters	**691.082**



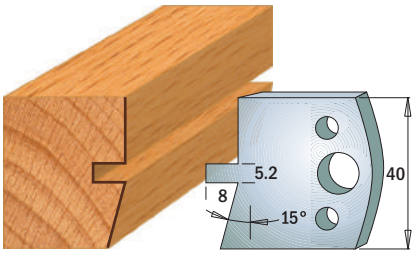
Pair of knives	**690.083**
Pair of limiters	**691.083**



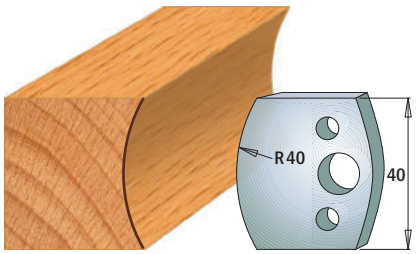
Pair of knives	**690.084**
Pair of limiters	**691.084**



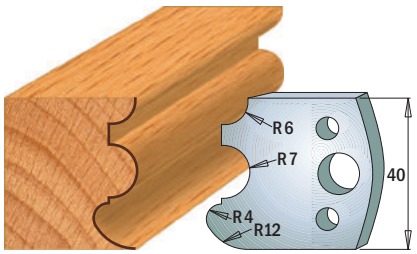
Pair of knives	**690.085**
Pair of limiters	**691.085**



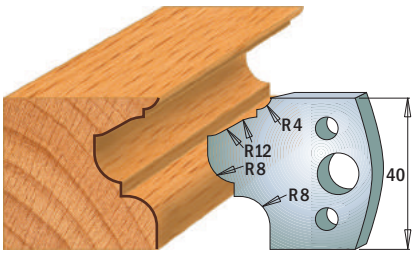
Pair of knives	**690.086**
Pair of limiters	**691.086**



Pair of knives	**690.087**
Pair of limiters	**691.087**



Pair of knives	**690.088**
Pair of limiters	**691.088**



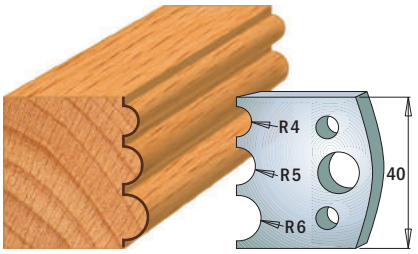
Pair of knives	**690.089**
Pair of limiters	**691.089**

Note: all knives & limiters available only in pairs

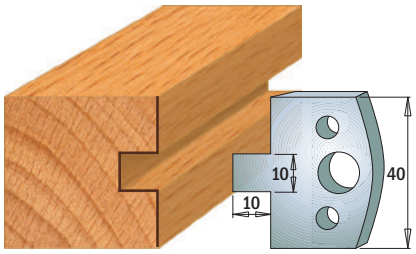
Drawings are 1:2 scale

Dimensions in mm.

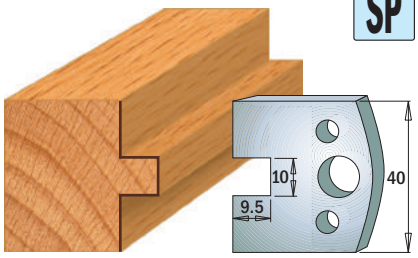
SP



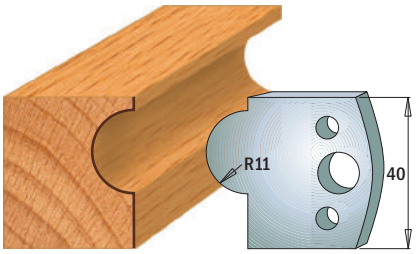
Pair of knives	**690.090**
Pair of limiters	**691.090**



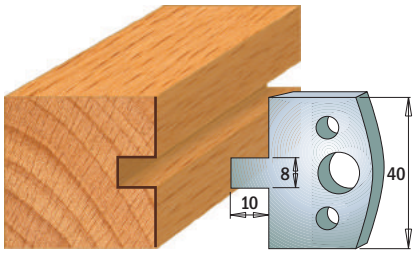
Pair of knives	**690.091**
Pair of limiters	**691.091**



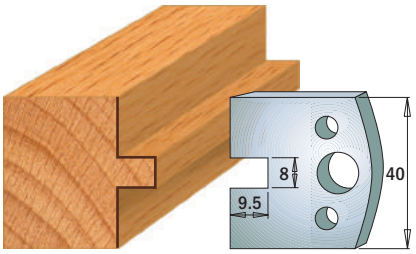
Pair of knives	**690.092**
Pair of limiters	**691.092**



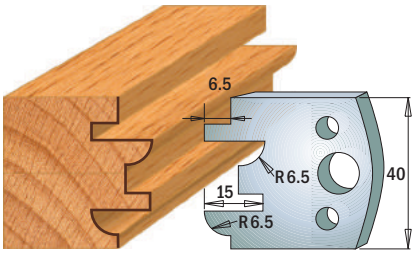
Pair of knives	**690.093**
Pair of limiters	**691.093**



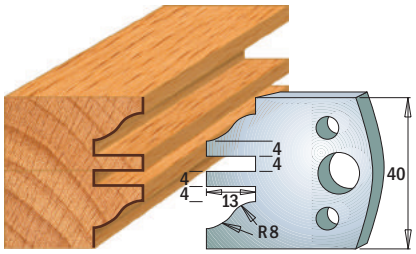
Pair of knives	**690.094**
Pair of limiters	**691.094**



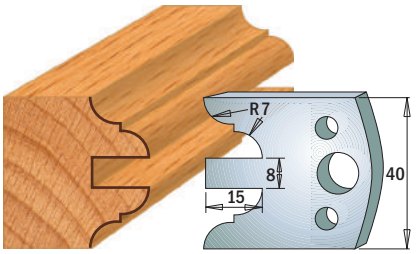
Pair of knives	**690.095**
Pair of limiters	**691.095**



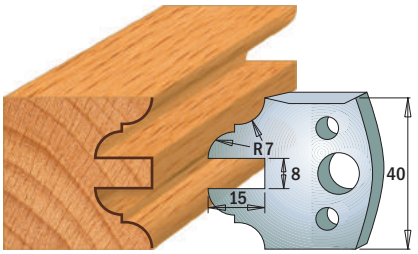
Pair of knives	**690.096**
Pair of limiters	**691.096**



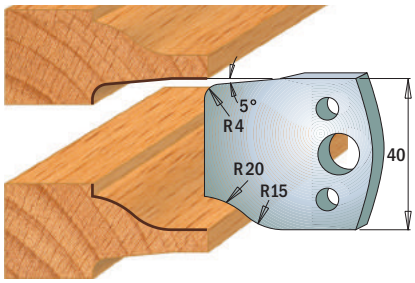
Pair of knives	**690.097**
Pair of limiters	**691.097**



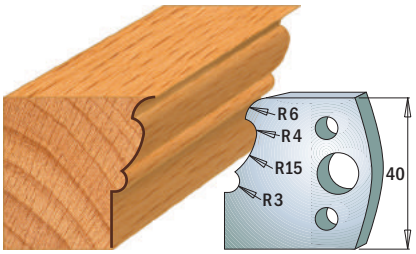
Pair of knives	**690.098**
Pair of limiters	**691.098**



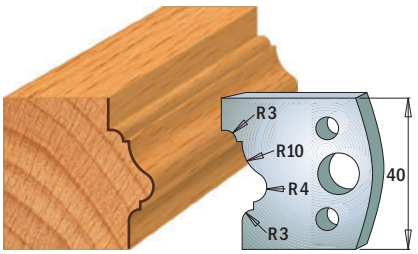
Pair of knives	**690.099**
Pair of limiters	**691.099**



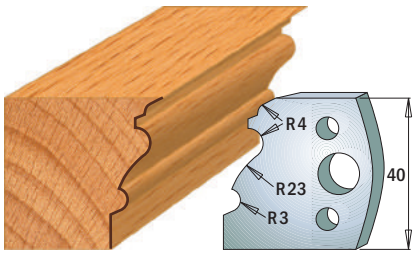
Pair of knives	**690.100**
Pair of limiters	**691.100**



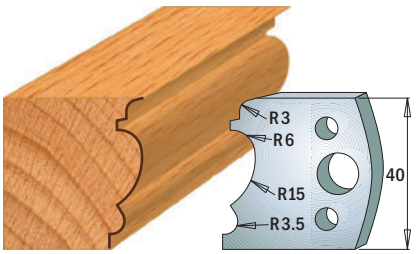
Pair of knives	**690.101**
Pair of limiters	**691.101**



Pair of knives	**690.102**
Pair of limiters	**691.102**



Pair of knives	**690.103**
Pair of limiters	**691.103**



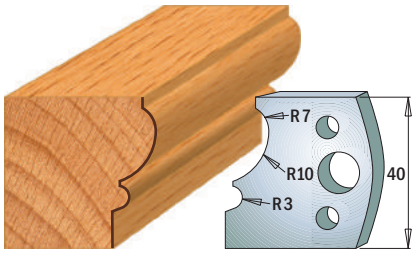
Pair of knives	**690.104**
Pair of limiters	**691.104**

Note: all knives & limiters available only in pairs

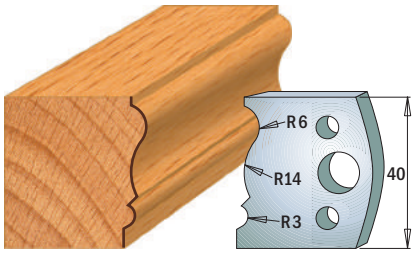
Drawings are 1:2 scale

Dimensions in mm.

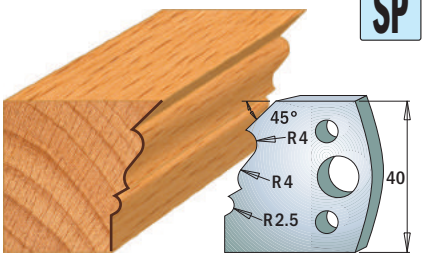
SP



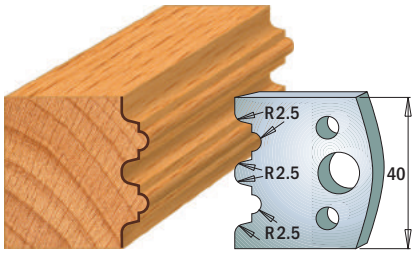
Pair of knives	**690.105**
Pair of limiters	**691.105**



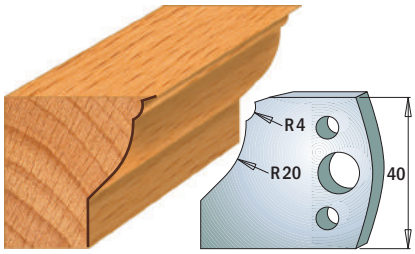
Pair of knives	**690.106**
Pair of limiters	**691.106**



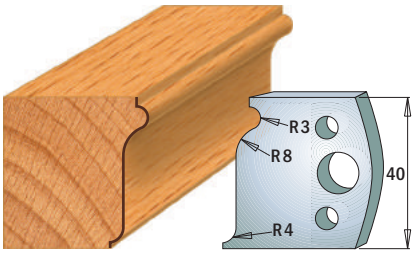
Pair of knives	**690.107**
Pair of limiters	**691.107**



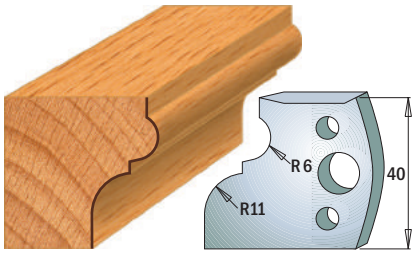
Pair of knives	**690.108**
Pair of limiters	**691.108**



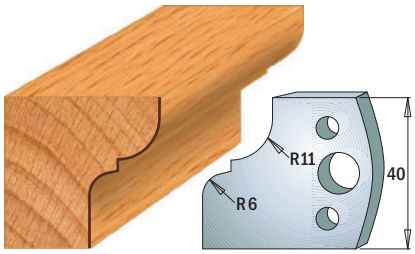
Pair of knives	**690.109**
Pair of limiters	**691.109**



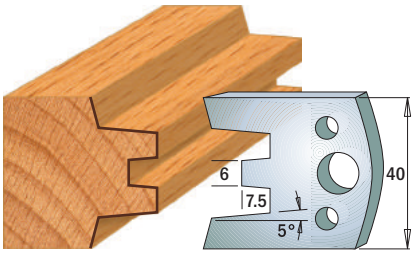
Pair of knives	**690.110**
Pair of limiters	**691.110**



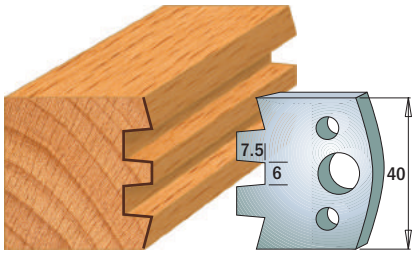
Pair of knives	**690.111**
Pair of limiters	**691.111**



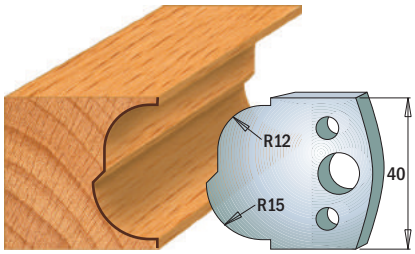
Pair of knives	**690.112**
Pair of limiters	**691.112**



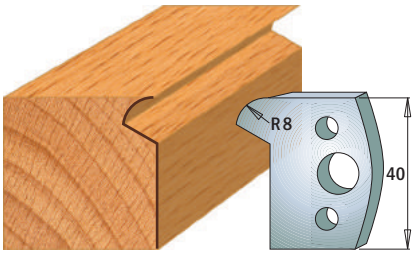
Pair of knives	**690.113**
Pair of limiters	**691.113**



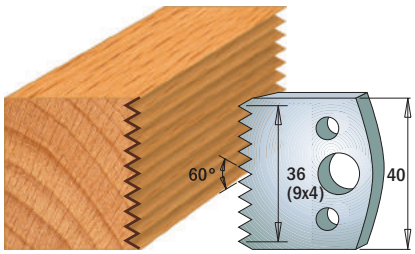
Pair of knives	**690.114**
Pair of limiters	**691.114**



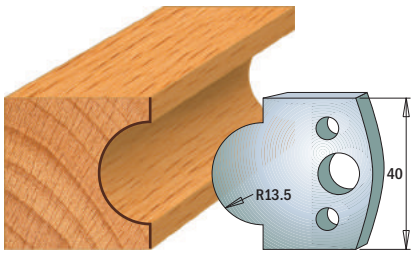
Pair of knives	**690.115**
Pair of limiters	**691.115**



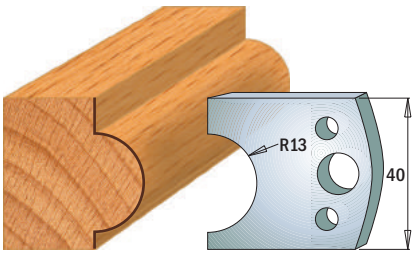
Pair of knives	**690.116**
Pair of limiters	**691.116**



Pair of knives	**690.117**
Pair of limiters	**691.117**



Pair of knives	**690.118**
Pair of limiters	**691.118**



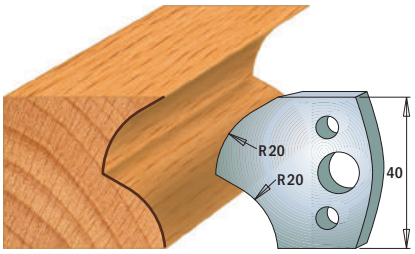
Pair of knives	**690.119**
Pair of limiters	**691.119**

Note: all knives & limiters available only in pairs

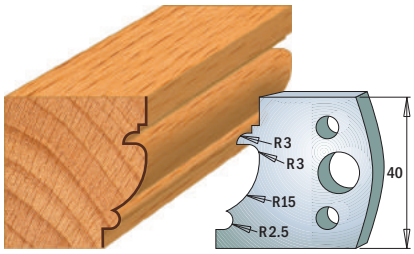
Drawings are 1:2 scale

Dimensions in mm.

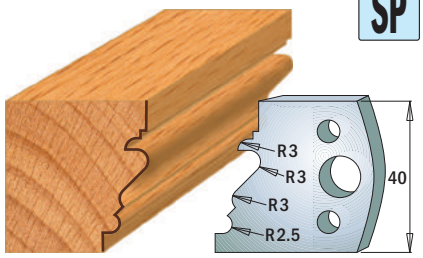
SP



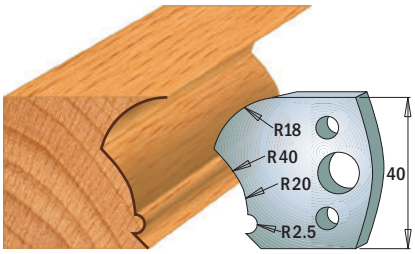
Pair of knives	**690.120**
Pair of limiters	**691.120**



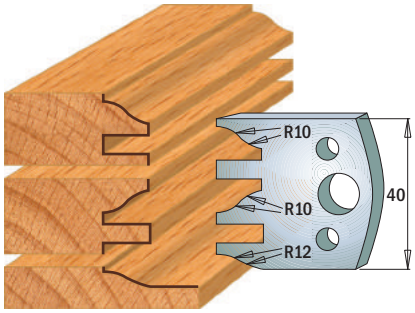
Pair of knives	**690.121**
Pair of limiters	**691.121**



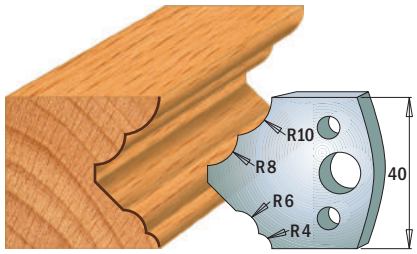
Pair of knives	**690.122**
Pair of limiters	**691.122**



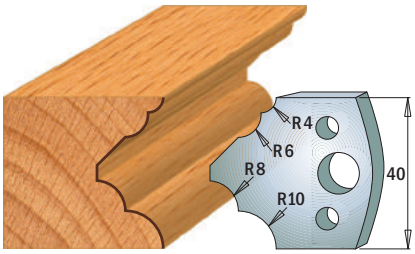
Pair of knives	**690.123**
Pair of limiters	**691.123**



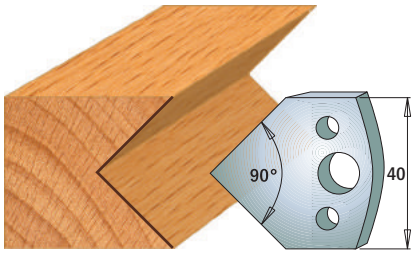
Pair of knives	**690.124**
Pair of limiters	**691.124**



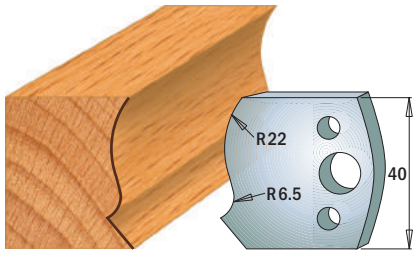
Pair of knives	**690.125**
Pair of limiters	**691.125**



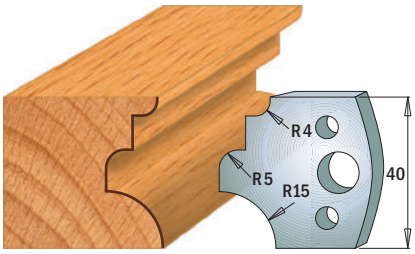
Pair of knives	**690.126**
Pair of limiters	**691.126**



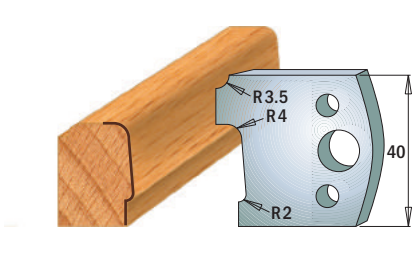
Pair of knives	**690.127**
Pair of limiters	**691.127**



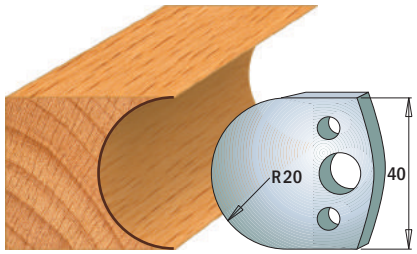
Pair of knives	**690.128**
Pair of limiters	**691.128**



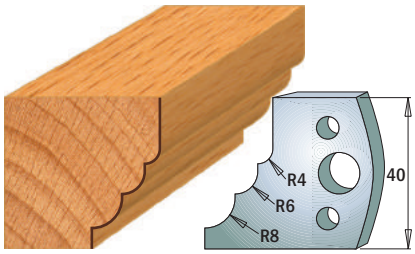
Pair of knives	**690.129**
Pair of limiters	**691.129**



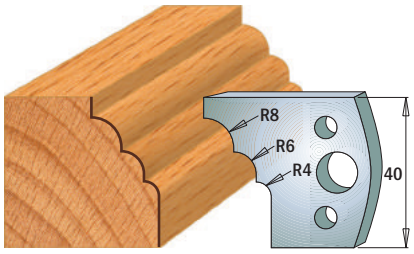
Pair of knives	**690.130**
Pair of limiters	**691.130**



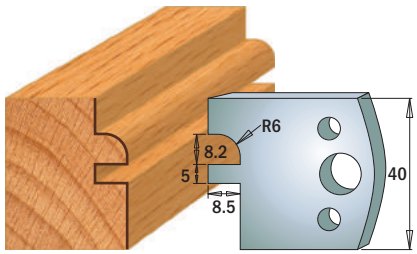
Pair of knives	**690.131**
Pair of limiters	**691.131**



Pair of knives	**690.132**
Pair of limiters	**691.132**



Pair of knives	**690.133**
Pair of limiters	**691.133**



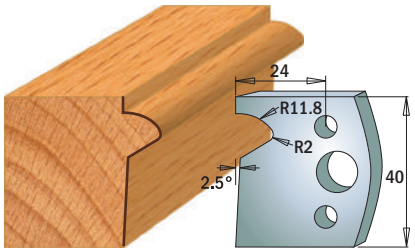
Pair of knives	**690.134**
Pair of limiters	**691.134**

Note: all knives & limiters available only in pairs

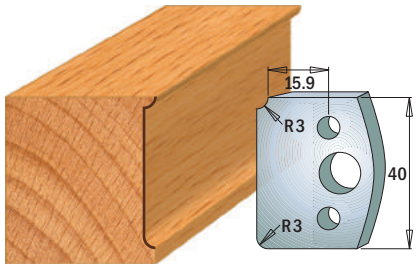
Drawings are 1:2 scale

Dimensions in mm.

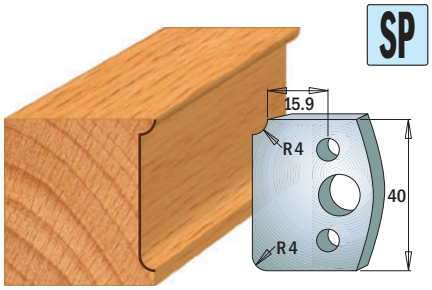
SP



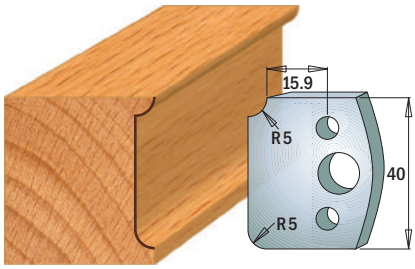
Pair of knives	**690.135**
Pair of limiters	**691.135**



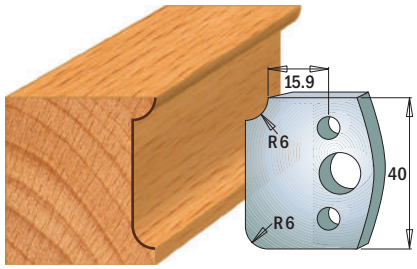
Pair of knives	**690.170**
Pair of limiters	**691.170**



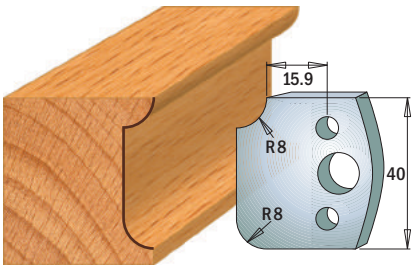
Pair of knives	**690.171**
Pair of limiters	**691.171**



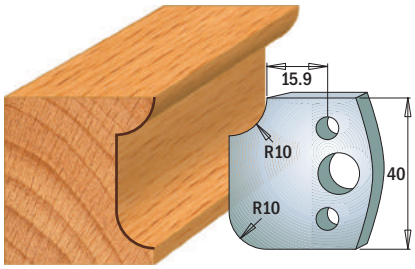
Pair of knives	**690.172**
Pair of limiters	**691.172**



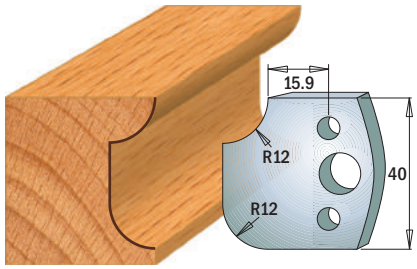
Pair of knives	**690.173**
Pair of limiters	**691.173**



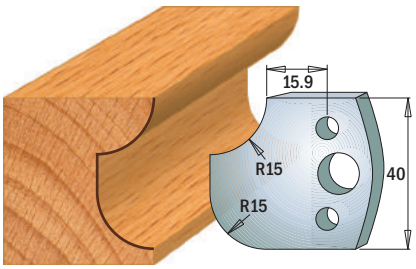
Pair of knives	**690.174**
Pair of limiters	**691.174**



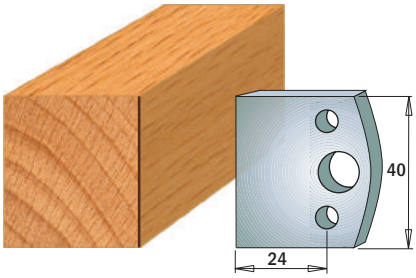
Pair of knives	**690.175**
Pair of limiters	**691.175**



Pair of knives	**690.176**
Pair of limiters	**691.176**

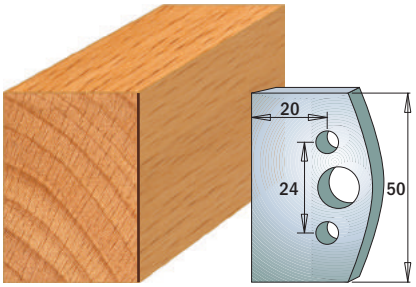


Pair of knives	**690.177**
Pair of limiters	**691.177**

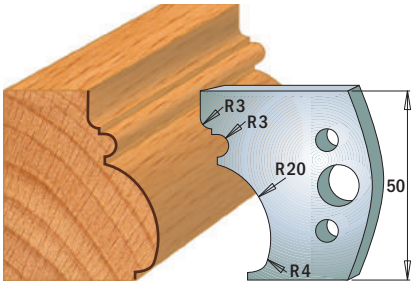


Pair of knives	**690.192**
Pair of limiters	**691.192**

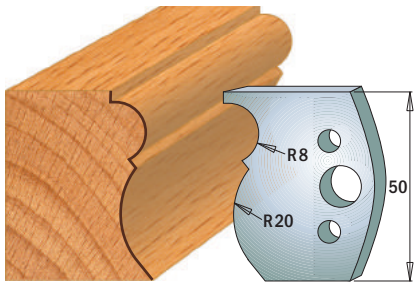
Profile Knives and Limiters
Cutting Length=50mm
Thickness=4mm
Pack Qty. 10



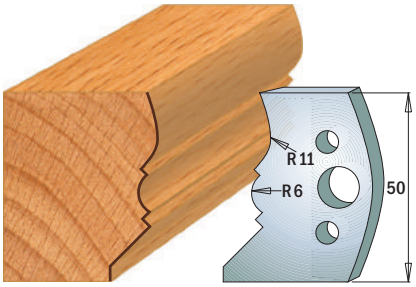
Pair of knives	**690.500**
Pair of limiters	**691.500**



Pair of knives	**690.501**
Pair of limiters	**691.501**



Pair of knives	**690.502**
Pair of limiters	**691.502**



Pair of knives	**690.503**
Pair of limiters	**691.503**

Note: all knives & limiters available only in pairs

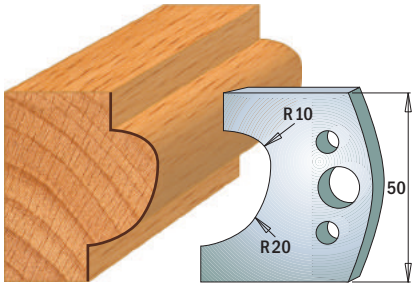
Drawings are 1:2 scale

Dimensions in mm.

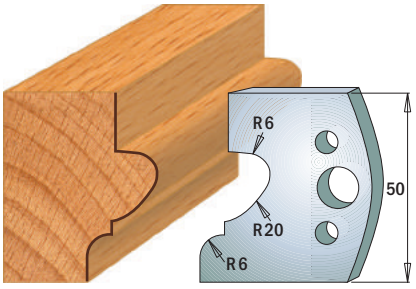
Profile Knives and Limiters

Cutting Length=50mm Thickness=4mm **Pack Qty.** 10

CMT ORANGE TOOLS®

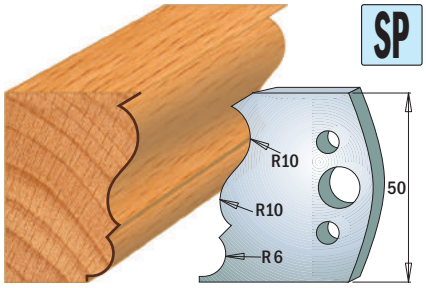


Pair of knives	**690.504**
Pair of limiters	**691.504**

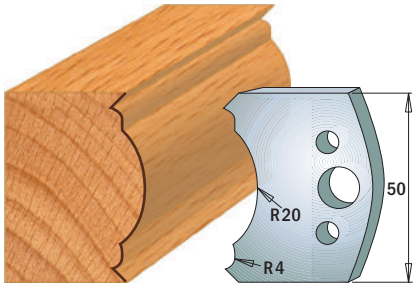


Pair of knives	**690.505**
Pair of limiters	**691.505**

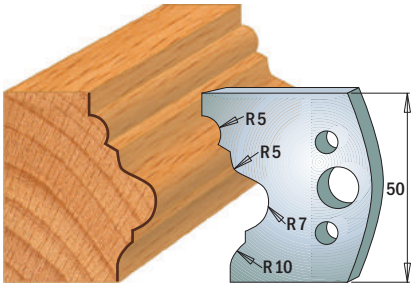
SP



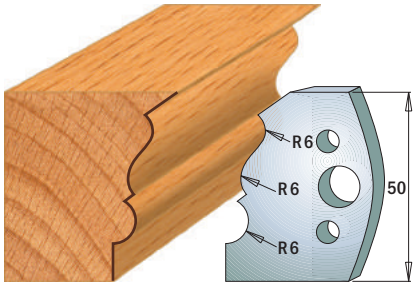
Pair of knives	**690.506**
Pair of limiters	**691.506**



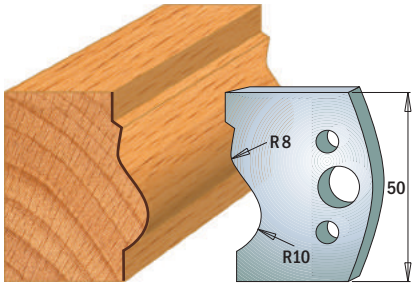
Pair of knives	**690.507**
Pair of limiters	**691.507**



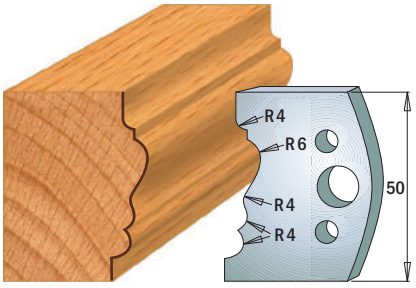
Pair of knives	**690.508**
Pair of limiters	**691.508**



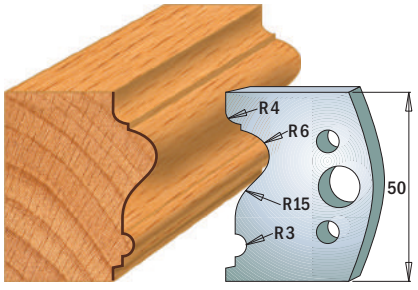
Pair of knives	**690.509**
Pair of limiters	**691.509**



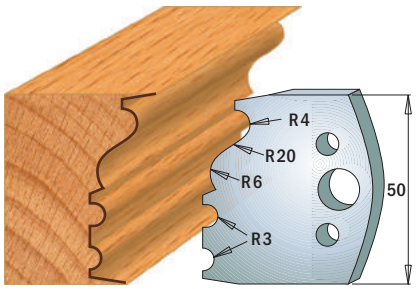
Pair of knives	**690.510**
Pair of limiters	**691.510**



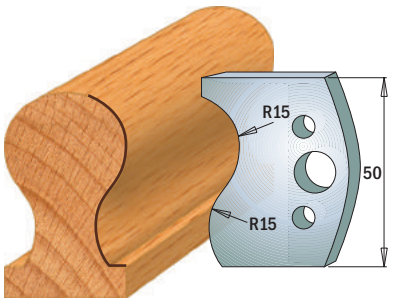
Pair of knives	**690.511**
Pair of limiters	**691.511**



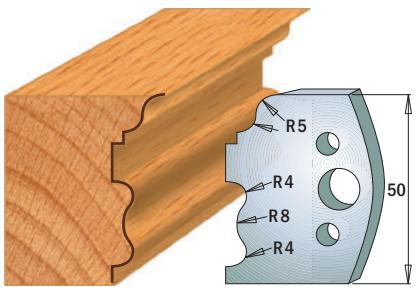
Pair of knives	**690.512**
Pair of limiters	**691.512**



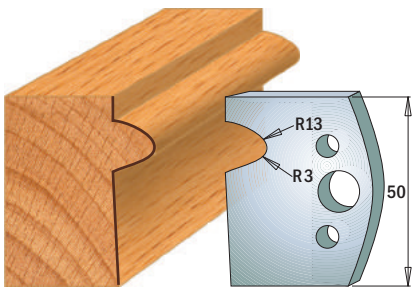
Pair of knives	**690.513**
Pair of limiters	**691.513**



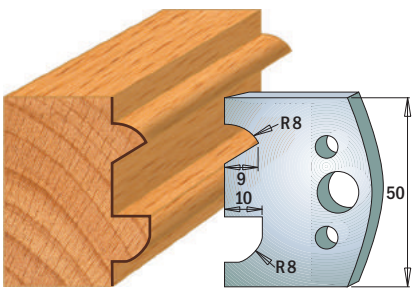
Pair of knives	**690.514**
Pair of limiters	**691.514**



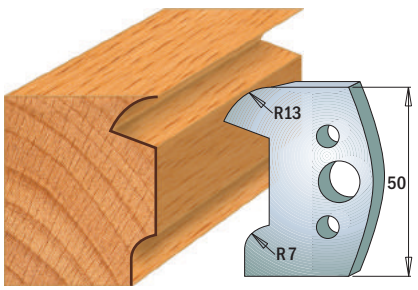
Pair of knives	**690.515**
Pair of limiters	**691.515**



Pair of knives	**690.516**
Pair of limiters	**691.516**



Pair of knives	**690.517**
Pair of limiters	**691.517**

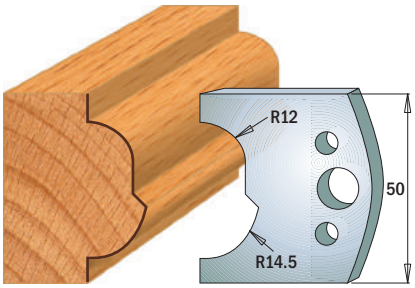


Pair of knives	**690.518**
Pair of limiters	**691.518**

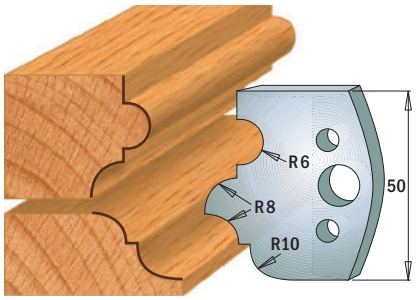
NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

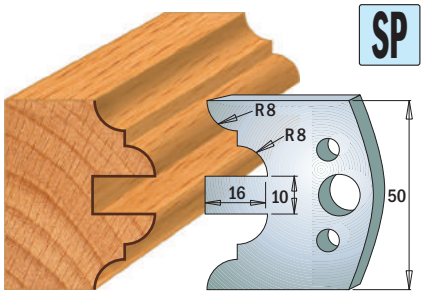
Dimensions in mm.



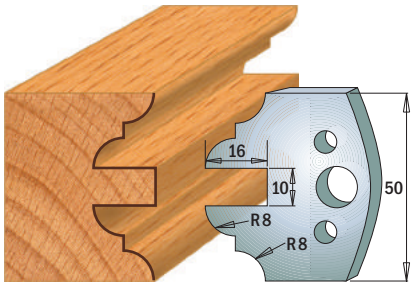
Pair of knives	**690.519**
Pair of limiters	**691.519**



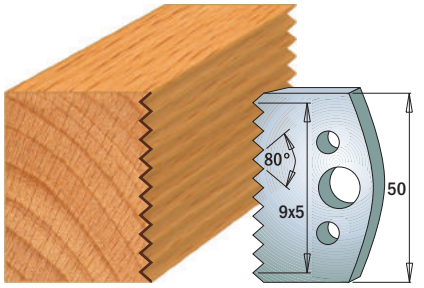
Pair of knives	**690.520**
Pair of limiters	**691.520**



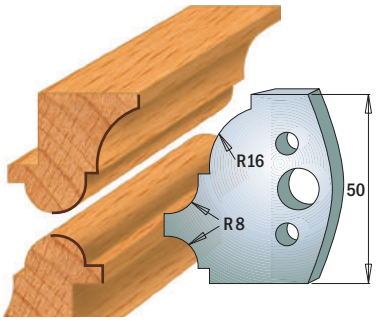
Pair of knives	**690.522**
Pair of limiters	**691.522**



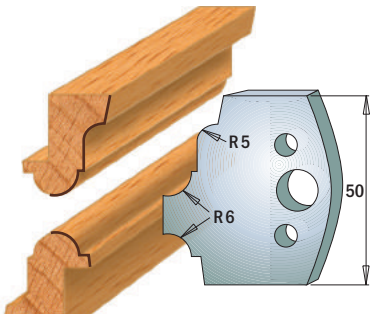
Pair of knives	**690.523**
Pair of limiters	**691.523**



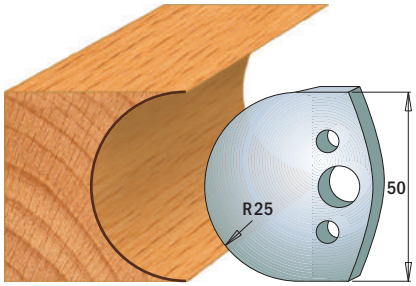
Pair of knives	**690.524**
Pair of limiters	**691.524**



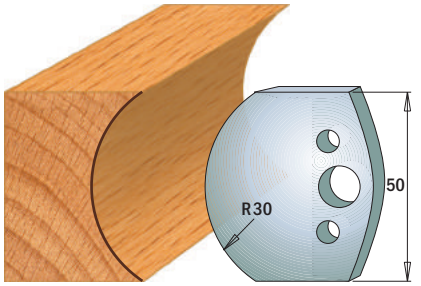
Pair of knives	**690.541**
Pair of limiters	**691.541**



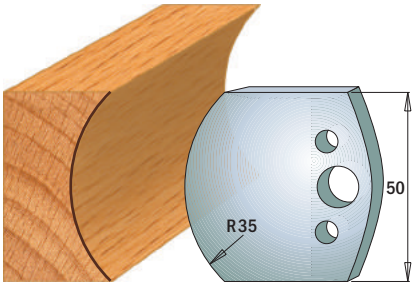
Pair of knives	**690.542**
Pair of limiters	**691.542**



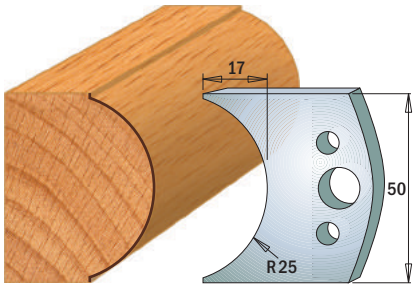
Pair of knives	**690.543**
Pair of limiters	**691.543**



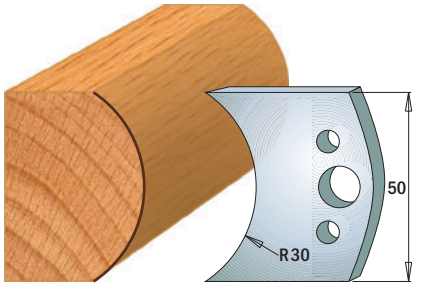
Pair of knives	**690.544**
Pair of limiters	**691.544**



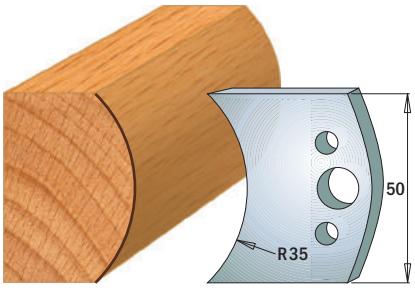
Pair of knives	**690.545**
Pair of limiters	**691.545**



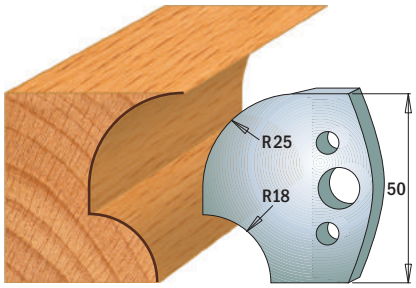
Pair of knives	**690.546**
Pair of limiters	**691.546**



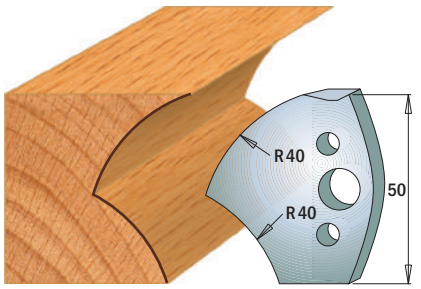
Pair of knives	**690.547**
Pair of limiters	**691.547**



Pair of knives	**690.548**
Pair of limiters	**691.548**



Pair of knives	**690.549**
Pair of limiters	**691.549**



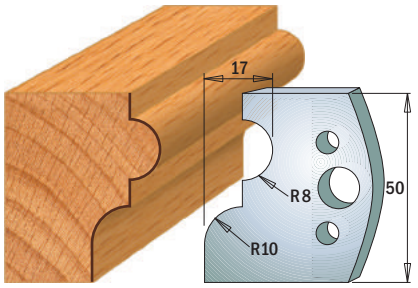
Pair of knives	**690.550**
Pair of limiters	**691.550**

Note: all knives & limiters available only in pairs

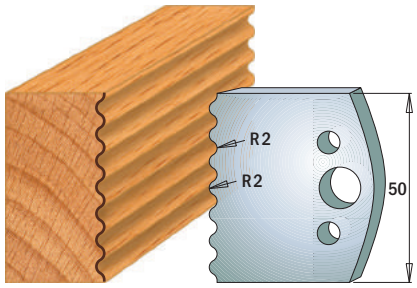
Drawings are 1:2 scale

Dimensions in mm.

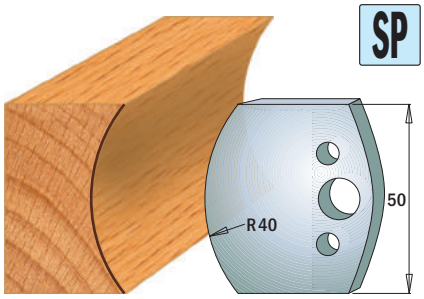
SP



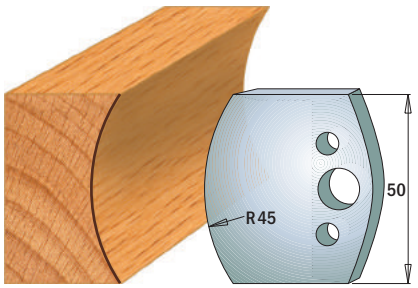
Pair of knives	**690.551**
Pair of limiters	**691.551**



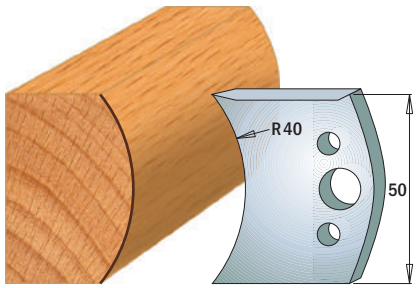
Pair of knives	**690.552**
Pair of limiters	**691.552**



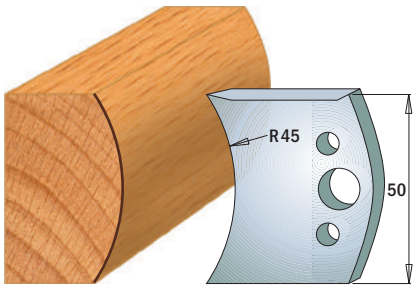
Pair of knives	**690.553**
Pair of limiters	**691.553**



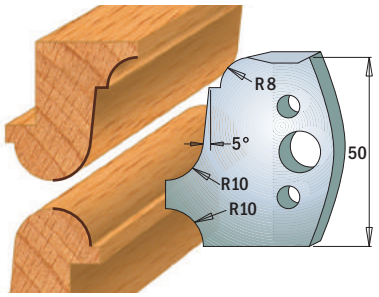
Pair of knives	**690.554**
Pair of limiters	**691.554**



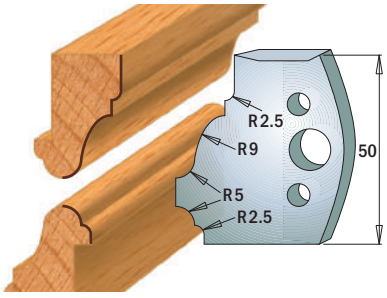
Pair of knives	**690.555**
Pair of limiters	**691.555**



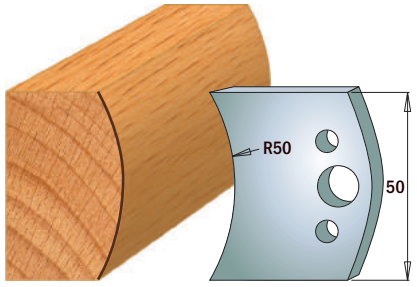
Pair of knives	**690.556**
Pair of limiters	**691.556**



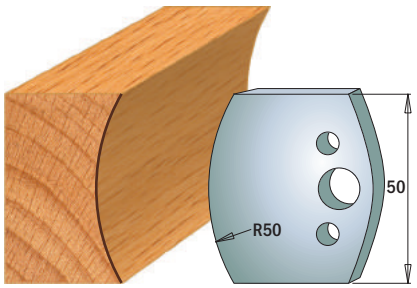
Pair of knives	**690.557**
Pair of limiters	**691.557**



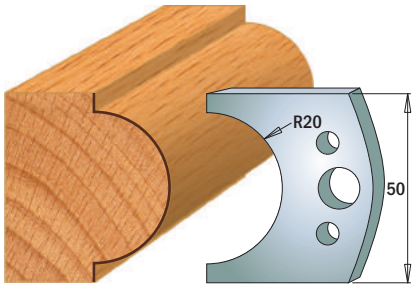
Pair of knives	**690.558**
Pair of limiters	**691.558**



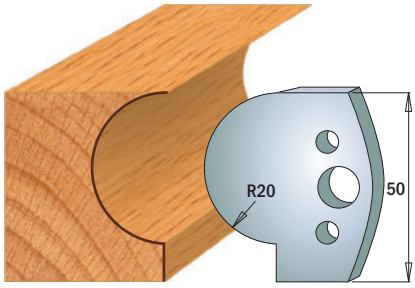
Pair of knives	**690.559**
Pair of limiters	**691.559**



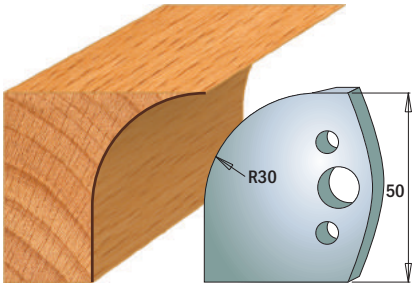
Pair of knives	**690.560**
Pair of limiters	**691.560**



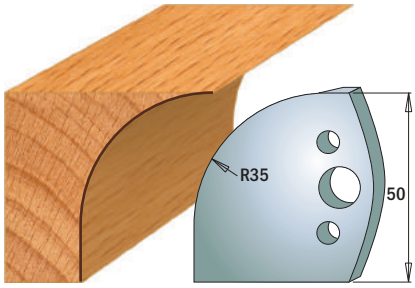
Pair of knives	**690.561**
Pair of limiters	**691.561**



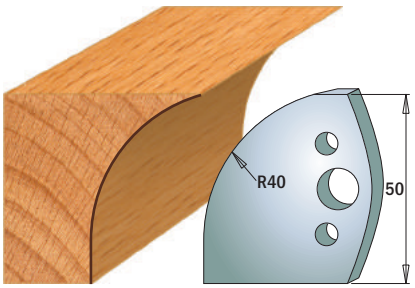
Pair of knives	**690.562**
Pair of limiters	**691.562**



Pair of knives	**690.563**
Pair of limiters	**691.563**



Pair of knives	**690.564**
Pair of limiters	**691.564**

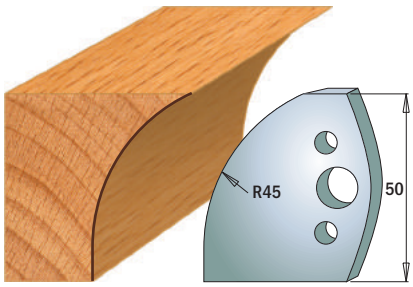


Pair of knives	**690.565**
Pair of limiters	**691.565**

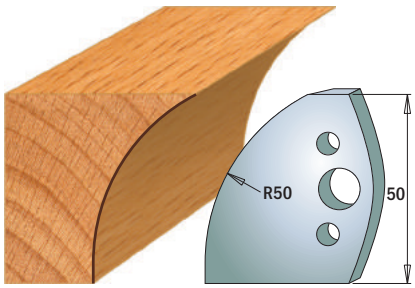
Note: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

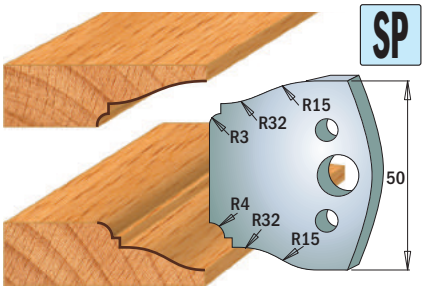


Pair of knives	**690.566**
Pair of limiters	**691.566**

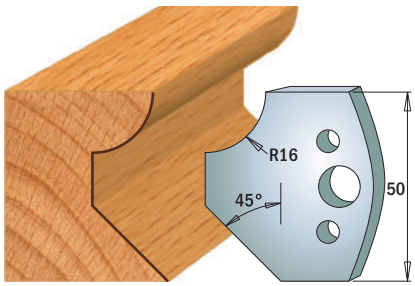


Pair of knives	**690.567**
Pair of limiters	**691.567**

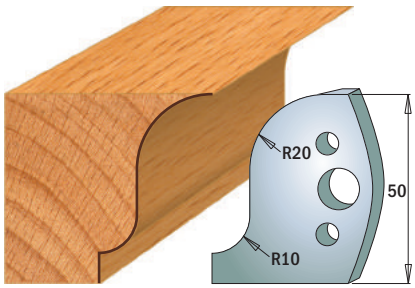
SP



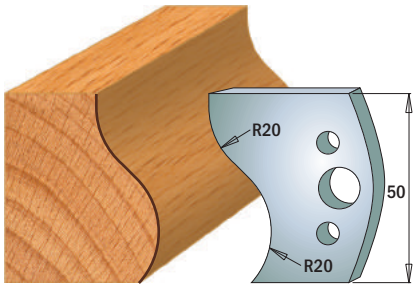
Pair of knives	**690.568**
Pair of limiters	**691.568**



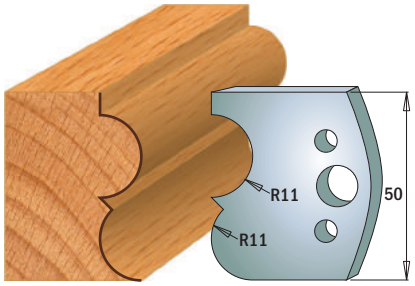
Pair of knives	**690.569**
Pair of limiters	**691.569**



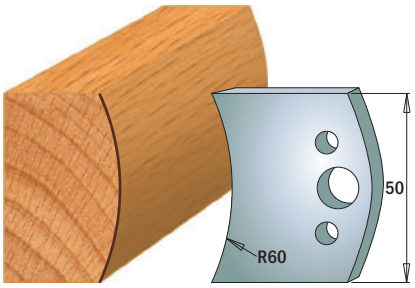
Pair of knives	**690.570**
Pair of limiters	**691.570**



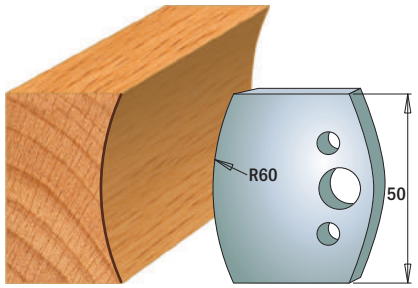
Pair of knives	**690.571**
Pair of limiters	**691.571**



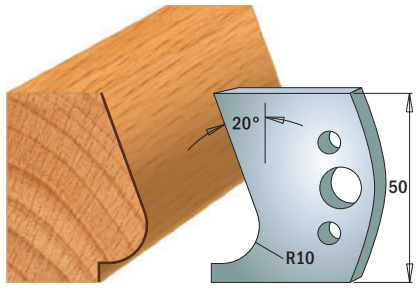
Pair of knives	**690.572**
Pair of limiters	**691.572**



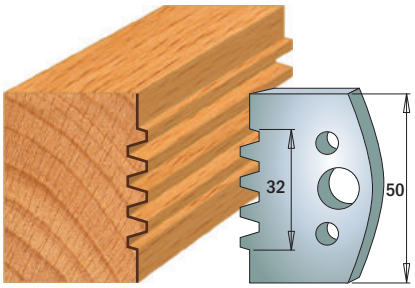
Pair of knives	**690.573**
Pair of limiters	**691.573**



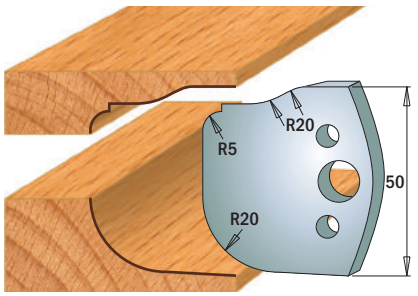
Pair of knives	**690.574**
Pair of limiters	**691.574**



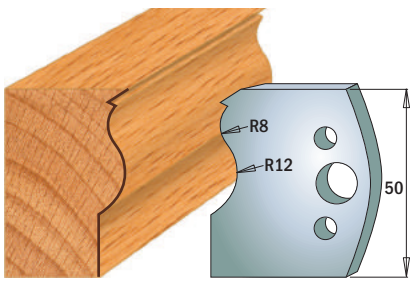
Pair of knives	**690.575**
Pair of limiters	**691.575**



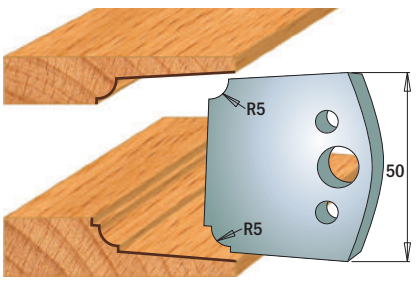
Pair of knives	**690.576**
Pair of limiters	**691.576**



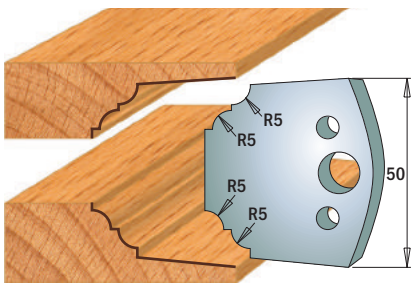
Pair of knives	**690.577**
Pair of limiters	**691.577**



Pair of knives	**690.578**
Pair of limiters	**691.578**



Pair of knives	**690.579**
Pair of limiters	**691.579**



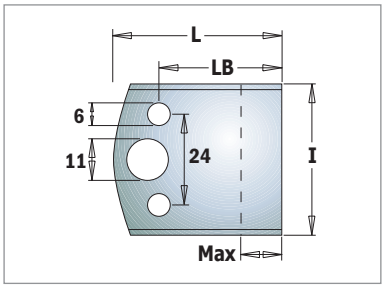
Pair of knives	**690.580**
Pair of limiters	**691.580**

Note: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

Blank Knives & Limiters (to be sharpened)

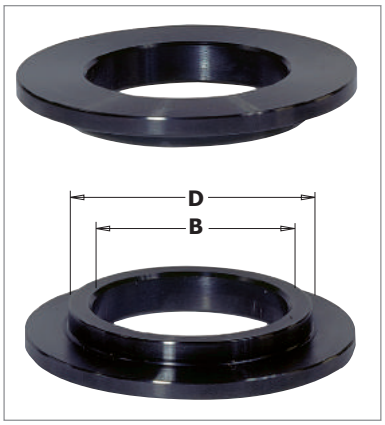


690-691

SP HSS

Description	I mm	LB mm	L mm	Max mm		ORDER NO. SP	ORDER NO. HSS
Pair of knives	40	32,5	44,5	18	10	690.193	690.193H
Pair of knives	50	34	46	20	10	690.599	690.599H
Pair of limiters	38	16	28	2	10	691.190	
Pair of limiters	38	24	36	10	10	691.192	
Pair of limiters	38	32,5	44,5	18	10		691.193
Pair of limiters	48	34	46	20	10	691.599	

Pair of Bore Reducers

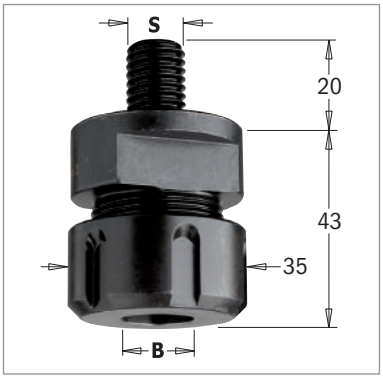


699

D mm	B mm		ORDER NO.	D mm	B mm		ORDER NO.
19,05	12,7	10	699.019.13	35	32	10	699.035.32
25,4	19,05	10	699.026.19	40	30	10	699.040.30
30	19,05	10	699.030.19	40	32	10	699.040.32
30	25,4	10	699.030.26	40	35	10	699.040.35
31,75	19,05	10	699.031.19	50	30	1	699.050.30
31,75	25,4	10	699.031.26	50	32	1	699.050.32
31,75	30	10	699.031.30	50	35	1	699.050.35
35	30	10	699.035.30	50	40	1	699.050.40
35	31,75	10	699.035.31				

For use only paired.

Chucks & “ER20” Collets for Spindle Moulder Machine



796

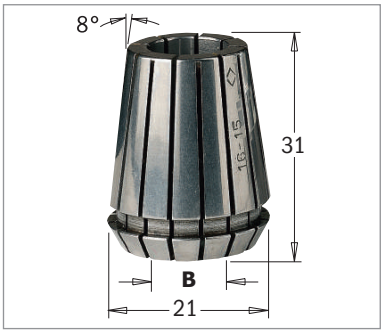
S mm	B mm	L mm		ORDER NO.
M12x1,75	3 ~ 12,7	43	10	796.122.00
M14x2	3 ~ 12,7	43	10	796.142.00
M16x2	3 ~ 12,7	43	10	796.162.00

Spare parts **992.483.03** M25x1,5mm clamping nut
991.483.00 “ER20” key

Technical details:
Super strength steel.
Precisely machined for accuracy.

Collet not included.

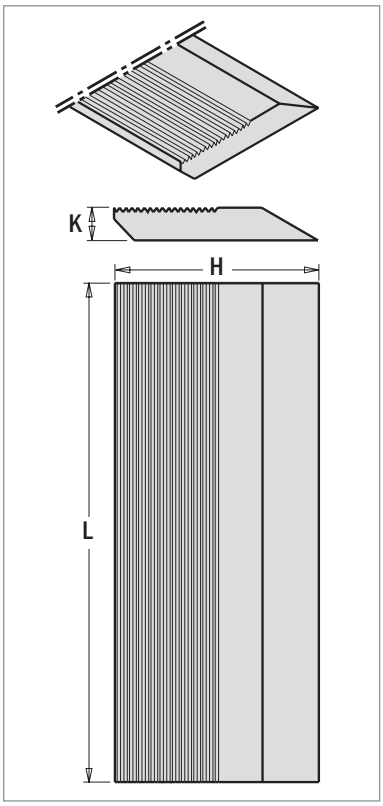
“ER20” Precision Collets for 796.122/142/162 Items



184

B mm		ORDER NO.	B mm		ORDER NO.
2	10	184.020.20	8	10	184.080.20
3	10	184.030.20	9	10	184.090.20
4	10	184.040.20	10	10	184.100.20
5	10	184.050.20	11	10	184.110.20
6	10	184.060.20	12	10	184.120.20
6,35	10	184.064.20	12,7	10	184.127.20
7	10	184.070.20			

HS Corrugated Back Moulder Knives



IN QUADROPACK PACKAGING
4 KNIVES FOR EACH SET

MATERIAL	HSS
Dry softwood	●
Wet softwood	●
Dry hardwood	●
Wet hardwood	❍

● **Suitable**
❍ **Party suitable**

793

HSS

L mm	H mm	K mm	ORDER NO. pieces for each set		ORDER NO. HSS
40 x	50 x	8	4	1	**793.040.50**
40 x	60 x	8	4	1	**793.040.60**
40 x	70 x	8	4	1	**793.040.70**
60 x	50 x	8	4	1	**793.060.50**
60 x	60 x	8	4	1	**793.060.60**
60 x	70 x	8	4	1	**793.060.70**
80 x	50 x	8	4	1	**793.080.50**
80 x	60 x	8	4	1	**793.080.60**
80 x	70 x	8	4	1	**793.080.70**
100 x	50 x	8	4	1	**793.100.50**
100 x	60 x	8	4	1	**793.100.60**
100 x	70 x	8	4	1	**793.100.70**
120 x	50 x	8	4	1	**793.120.50**
120 x	60 x	8	4	1	**793.120.60**
120 x	70 x	8	4	1	**793.120.70**
130 x	60 x	8	4	1	**793.130.60**
130 x	70 x	8	4	1	**793.130.70**
650 x	40 x	8	4	1	**793.650.40**
650 x	50 x	8	4	1	**793.650.50**
650 x	60 x	8	4	1	**793.650.60**
650 x	70 x	8	4	1	**793.650.70**

REMARK: *special dimensions available on request.*

TECHNICAL DETAILS:
Corrugated back moulder knives for profile cutter heads with precise positioning, angle 60°, pitch 1,6mm.

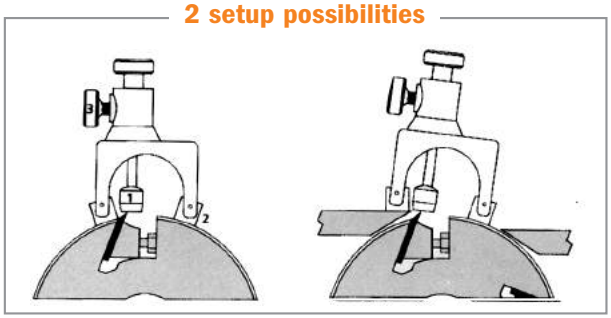
Set of 2 Magnetic Knife Setting Jigs

CMT792

Insert your knives into the tool holders and align them perfectly with this set! Perfect micro adjustments on will guarantee excellent cutting performance!

1. **MAGNETIC STOP**
2. **JOINTS WITH MAGNETIC CONNECTORS**
3. **LOCK SCREW**

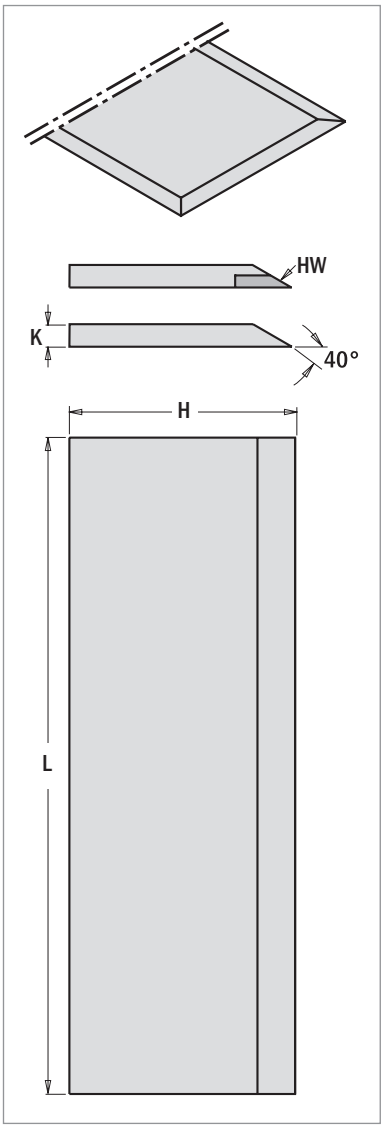
2 setup possibilities



Positioning on the tool holder body with detection of the knife position.

Direct positioning on both the planer table and the tool holder body with detection of the knife position.

DESCRIPTION		ORDER NO.
Set of 2 magnetic knife setting jigs	25	**CMT792**



IN QUADROPACK PACKAGING
2 KNIVES FOR EACH SET

* The HSS knives are balanced and milled.

792

SP HSS HW

L mm	H mm	K mm	KNIVES pieces for each set		ORDER NO. SP	ORDER NO. HSS*	ORDER NO. HW
120 x	30 x	3	2	1		792.120.30	
130 x	30 x	3	2	1	792.131.30	792.130.30	792.132.30
150 x	30 x	3	2	1		792.150.30	
180 x	30 x	3	2	1	792.181.30	792.180.30	792.182.30
200 x	30 x	3	2	1	792.201.30	792.200.30	
210 x	30 x	3	2	1	792.211.30	792.210.30	
230 x	30 x	3	2	1	792.231.30	792.230.30	792.232.30
250 x	30 x	3	2	1	792.251.30	792.250.30	792.252.30
260 x	30 x	3	2	1	792.261.30	792.260.30	792.262.30
300 x	30 x	3	2	1	792.301.30	792.300.30	792.302.30
310 x	30 x	3	2	1	792.311.30	792.310.30	792.312.30
350 x	30 x	3	2	1	792.351.30	792.350.30	792.352.30
400 x	30 x	3	2	1	792.401.30	792.400.30	792.402.30
410 x	30 x	3	2	1	792.411.30	792.410.30	792.412.30
430 x	30 x	3	2	1	792.431.30	792.430.30	792.432.30
450 x	30 x	3	2	1	792.451.30	792.450.30	792.452.30
500 x	30 x	3	2	1	792.501.30	792.500.30	792.502.30
510 x	30 x	3	2	1	792.511.30	792.510.30	792.512.30
520 x	30 x	3	2	1	792.521.30	792.520.30	792.522.30
530 x	30 x	3	2	1	792.531.30	792.530.30	792.532.30
600 x	30 x	3	2	1	792.601.30	792.600.30	792.602.30
610 x	30 x	3	2	1	792.611.30	792.610.30	792.612.30
630 x	30 x	3	2	1	792.631.30	792.630.30	792.632.30
640 x	30 x	3	2	1		792.640.30	
710 x	30 x	3	2	1		792.710.30	
810 x	30 x	3	2	1	792.811.30	792.810.30	792.812.30
1050 x	30 x	3	2	1	792.998.30	792.997.30	792.999.30
300 x	35 x	3	2	1		792.300.35	
310 x	35 x	3	2	1	792.311.35		
350 x	35 x	3	2	1	792.351.35	792.350.35	
400 x	35 x	3	2	1	792.401.35	792.400.35	
410 x	35 x	3	2	1	792.411.35	792.410.35	
430 x	35 x	3	2	1		792.430.35	
450 x	35 x	3	2	1	792.451.35	792.450.35	
500 x	35 x	3	2	1	792.501.35	792.500.35	
510 x	35 x	3	2	1	792.511.35	792.510.35	
520 x	35 x	3	2	1	792.521.35	792.520.35	
530 x	35 x	3	2	1	792.531.35	792.530.35	
550 x	35 x	3	2	1	792.551.35	792.550.35	
600 x	35 x	3	2	1	792.601.35	792.600.35	
610 x	35 x	3	2	1	792.611.35	792.610.35	
630 x	35 x	3	2	1	792.631.35	792.630.35	
650 x	35 x	3	2	1	792.651.35	792.650.35	
710 x	35 x	3	2	1		792.710.35	
810 x	35 x	3	2	1	792.811.35	792.810.35	
820 x	35 x	3	2	1	792.821.35		
1050 x	35 x	3	2	1	792.998.35	792.997.35	

MATERIAL	SP	HSS	HW
Dry softwood	○	●	
Wet softwood	○	○	
Dry hardwood	○	●	●
Wet hardwood	○	●	○
Chipboard			○
MDF			○
Glulam		○	●
Solid surface			○

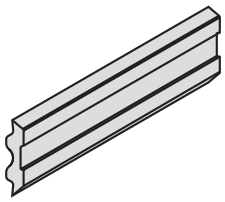
● **Suitable**
○ **Party suitable**

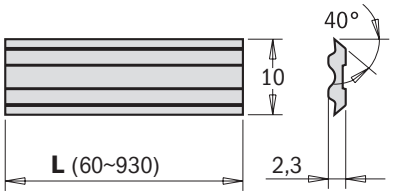
REMARK: ***special dimensions available on request.***
The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.

795

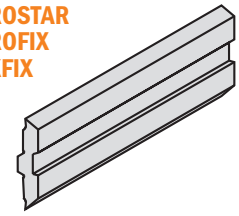
HPS

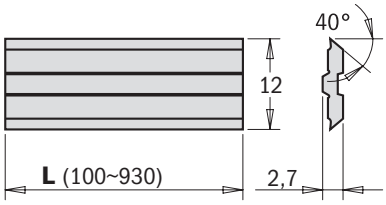
TERSA



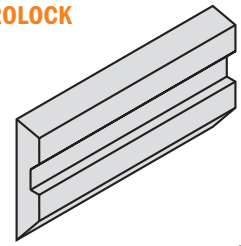


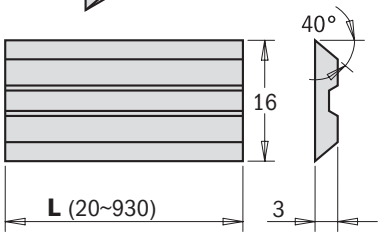
CENTROSTAR
CENTROFIX
QUICKFIX





CENTROLOCK





2 KNIVES FOR EACH SET

TERSA				CENTROSTAR, CENTROFIX, QUICKFIX				CENTROLOCK			
L mm	H mm	K mm	ORDER NO.	L mm	H mm	K mm	ORDER NO.	L mm	H mm	K mm	ORDER NO.
								20	16	3	795.020.16*
80	10	2,3	795.080.10*					80	16	3	795.080.16*
100	10	2,3	795.100.10	100	12	2,7	795.100.12*				
110	10	2,3	795.110.10	110	12	2,7	795.110.12*				
120	10	2,3	795.120.10	120	12	2,7	795.120.12				
130	10	2,3	795.130.10	130	12	2,7	795.130.12	130	16	3	795.130.16
150	10	2,3	795.150.10	150	12	2,7	795.150.12	150	16	3	795.150.16
				160	12	2,7	795.160.12*				
170	10	2,3	795.170.10	170	12	2,7	795.170.12*	170	16	3	795.170.16
180	10	2,3	795.180.10	180	12	2,7	795.180.12	180	16	3	795.180.16
				190	12	2,7	795.190.12*	190	16	3	795.190.16
				200	12	2,7	795.200.12*				
210	10	2,3	795.210.10					210	16	3	795.210.16
				220	12	2,7	795.220.12*				
230	10	2,3	795.230.10	230	12	2,7	795.230.12	230	16	3	795.230.16
								235	16	3	795.235.16*
				240	12	2,7	795.240.12	240	16	3	795.240.16
250	10	2,3	795.250.10								
260	10	2,3	795.260.10					260	16	3	795.260.16
				270	12	2,7	795.270.12*	270	16	3	795.270.16
				280	12	2,7	795.280.12*				
300	10	2,3	795.300.10								
310	10	2,3	795.310.10	310	12	2,7	795.310.12	310	16	3	795.310.16
330	10	2,3	795.330.10*								
350	10	2,3	795.350.10	350	12	2,7	795.350.12*				
				360	12	2,7	795.360.12*				
400	10	2,3	795.400.10	400	12	2,7	795.400.12				
410	10	2,3	795.410.10	410	12	2,7	795.410.12				
420	10	2,3	795.420.10	420	12	2,7	795.420.12*				
430	10	2,3	795.430.10	430	12	2,7	795.430.12*				
450	10	2,3	795.450.10	450	12	2,7	795.450.12*				
500	10	2,3	795.500.10								
510	10	2,3	795.510.10	510	12	2,7	795.510.12				
520	10	2,3	795.520.10	520	12	2,7	795.520.12				
530	10	2,3	795.530.10	530	12	2,7	795.530.12*				
540	10	2,3	795.540.10								
610	10	2,3	795.610.10	610	12	2,7	795.610.12				
				620	12	2,7	795.620.12				
630	10	2,3	795.630.10	630	12	2,7	795.630.12				
635	10	2,3	795.635.10								
640	10	2,3	795.640.10	640	12	2,7	795.640.12				
650	10	2,3	795.650.10	650	12	2,7	795.650.12*				
710	10	2,3	795.710.10	710	12	2,7	795.710.12*				
				810	12	2,7	795.810.12*				
860	10	2,3	795.860.10*								
910	10	2,3	795.910.10*								
930	10	2,3	795.930.10	930	12	2,7	795.930.12*	930	16	3	795.930.16

*While supplies last

MATERIAL	GOOD	EXCELLENT
Dry Softwood		●
Wet Softwood		●
Dry Hardwood		●
Wet Hardwood		●
Exotic Hardwood	●	

TECHNICAL DETAILS:

HPS® was specially developped for the woodworking industry. The Thyssen-Krupp heat treatment division developed a special heat treatment system in a modern vacuum oven which gives this steel its special attributes and renders it an outstanding alternative to HSS steel. The main advantages are:

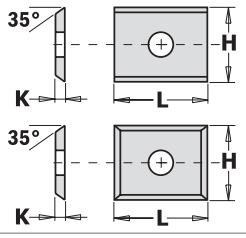
- superb wear resistance
- maximum level of toughness
- resistance to softening
- easy to profile
- long lasting tested

Test result: Wood=Oak, Spinadle speed=6000 rpm, feed=24 meter/min
= Result HPS® 17500 meters.
= Result HSS 10000 meters.

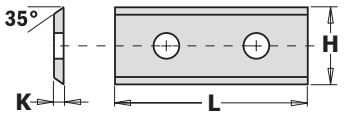
CMT ORANGE TOOLS®

HWM

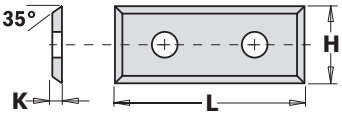
790



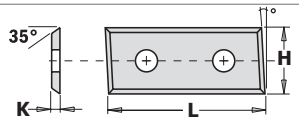
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
7,5	12	1,5		35°	2	790.075.00	
7,65	12	1,5		35°	2	790.076.00	
9,6	12	1,5		35°	2	790.096.00	
15	12	1,5		35°	2	790.150.00	
19,5	12	1,5		4/35°	2	790.195.12	
20	12	1,5		35°	2	790.200.00	790.200.03



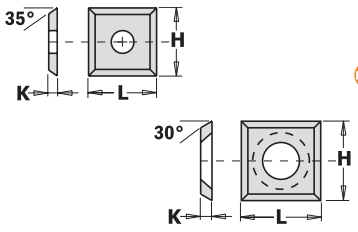
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
24,7	12	1,5		35°	2	790.250.00	
30	12	1,5		35°	2	790.300.00	790.300.03
30	12	1,5		45°	2	790.300.20	
40	12	1,5		35°	2	790.400.00	790.400.03
50	12	1,5		35°	2	790.500.00	790.500.03
60	12	1,5		35°	2	790.600.00	790.600.03



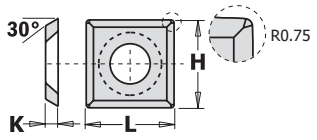
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
29,5	9	1,5		35°	4	790.295.09	
29,5	12	1,5		35°	4	790.295.12	
39,5	9	1,5		35°	4	790.395.09	
39,5	12	1,5		35°	4	790.395.12	
49,5	9	1,5		35°	4	790.495.09	
49,5	12	1,5		35°	4	790.495.12	



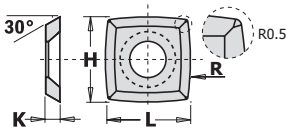
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
28,3	12	1,5		35°	4	790.283.12	
48,3	12	1,5		35°	4	790.483.12	



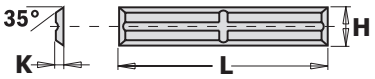
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
10,5	10,5	1,5		35°	4		790.105.03
12	12	1,5		35°	4	790.120.00	790.120.03
13,6	13,6	2		30°	4	790.136.00	
14	14	1,2		30°	4	790.140.10	
14	14	2		30°	4	790.140.00	790.140.03
14	14	2		45°	4	790.140.02	



L mm	H mm	K mm		A	Z	ORDER NO. K1920	
12	12	1,5		30°	4	790.120.20	
14	14	2		30°		790.140.20	

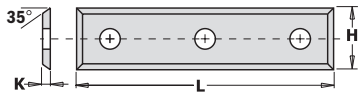


L mm	H mm	K mm	R mm	A	Z	ORDER NO. K1920	
15	15	2,5	115	30°	4	790.152.12	
15	15	2,5	150	30°	4	790.152.22	

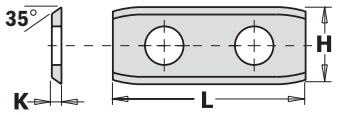


L mm	H mm	K mm		A	Z	ORDER NO. K1920	
20	4,1	1,1		35°	4	790.200.01	
30	5,5	1,1		35°	4	790.300.01	
50	5,5	1,1		35°	4	790.500.01	

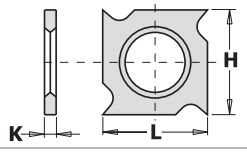
790



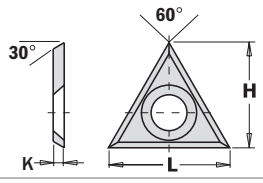
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
50	9	1,5		35°	4	790.500.09	



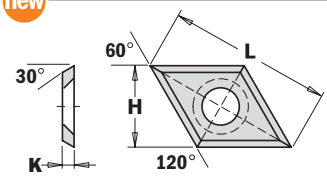
L mm	H mm	K mm	B	A	Z	ORDER NO. K1920	
20	12	1,5	1	35°	2	790.201.00	
30	12	1,5	2	35°	2	790.301.00	
50	12	1,5	2	35°	2	790.501.00	



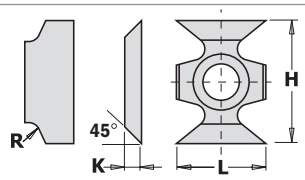
L mm	H mm	K mm			Z	ORDER NO. K1920	
18	18	1,95			4	790.181.00	
18	18	2,45			4	790.182.00	



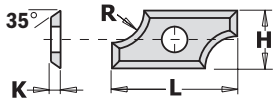
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
22	19	2		30°	3	790.220.02	



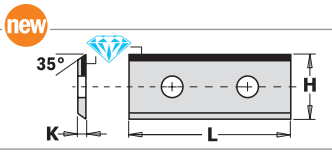
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
28	14	2		30°	2	790.280.00	



L mm	H mm	K mm	R mm	A	Z	ORDER NO. K1920	
16	22	5	1,5			790.161.00	
16	22	5	2			790.162.00	
16	22	5	3			790.163.00	
16	22	5		45°		790.160.00	



L mm	H mm	K mm	R mm	A	Z	ORDER NO. K1920	
19,5	9	1,5	2	35°	2	790.020.00	
19,5	9	1,5	3	35°	2	790.030.00	
19,5	9	1,5	5	35°	2	790.050.00	
24	12	1,5	6,4	35°	2	790.064.00	
24	12	1,5	8	35°	2	790.080.00	



L mm	H mm	K mm		A	Z	ORDER NO. DP	
30	12	1,5		35°	1	790.300.60*	

***These knives are supplied in a 2 pc. case. Minimum 2 pieces or multiple of 2 piece order.**

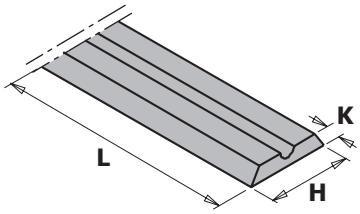
MATERIAL	K1920	K2250
Softwood	★★★★	
Hardwood	★★★★★	
Chipboard	★★★★★	★★★★★
MDF	★★★★	★★★★★
HDF	★★★★	★★★★★
Plastics	★★★	★★★★★
Solid Surface		★★★★

TECHNICAL DETAILS:

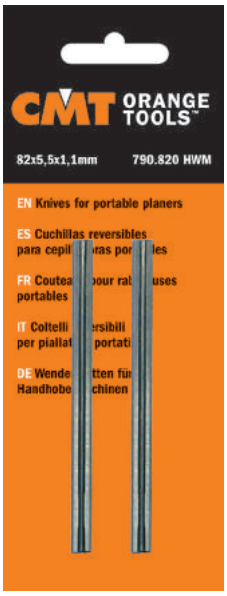
K1920 Hardness (HV10): 1.920 - Transverse rupture strength (N/mm2): 2.600
New chrome grade for universal cutting applications. Excellent resistance to corrosion, oxidation and mechanical wear. High efficiency, 20% longer lifetime compared to standard grade.

K2250 Hardness (HV10): 2.250 - Transverse rupture strength (N/mm2): 2.400
New nano-grain grade for maximum wear resistance. Higher efficiency due to improved tool lifetime. Improved toughness.

All knives are supplied in a 10 pc. case.
Minimum 10 piece or multiple of 10 piece order.



10-PCS. CASE (minimum order)



2-PCS. BLISTER CASE
(790.755/790.780/790.806/790.805/790.820)

790

HWM

L mm	H mm	K mm	MACHINE	MODEL MACHINE	ORDER NO. 2-pcs. blister case	ORDER NO. 10-pcs. blister case
56 x 5,5 x 1,1			Adler			**790.560.00**
60 x 5,5 x 1,1			Wegoma			**790.600.01**
75,5 x 5,5 x 1,1			Aeg	HTH75	**790.755**	**790.755.00**
			Black & Decker	DN75, 750SR, 600K		
			Bosch	0590, P400, 1590,1591		
			Festool	REP75		
			Haffner	FH222		
			Holz-Her	2223, 2286, 2320		
			Kress	Jet-Star 6701, 6702		
			Mafell	HU75		
			Metabo	6375		
			Scheer	MH75/3, MH80		
			Skil	98H		
78 x 5,5 x 1,1			Virutex		**790.780**	**790.780.00**
80,5 x 5,9 x 1,2			Elu	MFF40, MFF80, MFF81, MFF81EK, PF161	**790.806**	**790.805.00**
80,5 x 5,5 x 1,1			Elu Aeg, Bosch Haffner	MFF80	**790.805**	**790.805.01**
82 x 5,5 x 1,1			Aeg	EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R	**790.820**	**790.820.00**
			Black & Decker	DN76		
			Bosch	PHO 100/150, PHO 200/300 4387, PHO 2-82/3-82, Gustav, HO0882		
			Casals	CE82		
			DeWalt	DW678, DW678EK, DW680		
			Elu	HH15, HH40, HH40K, HH40EK		
			Fein	HS2151		
			Felisatti	TP282		
			Haffner	FH224		
			Hitachi	F20, F20A, FP20A, P20V, P20SA		
			Holz-Her	2321, 2322		
			Legna	R82, G82		
			Mafell	EHU82, MHU82		
			Makita	1001, 1100, 1125B, 1900B, 1901, 1923B, 1923H, 1923HO		
			Metabo	4382, 8382, 0882, 0883, E0983		
			Peerles	HHB82B		
			Peugeot	RA400, 82RAC, RA82CS, BR82		
			Ryobi	BRA1-82, BRA3-82, RA1082CA L1323-A		
			Skil	H92, H94, H95, H96, H97 1506, 1510		
			Stayer	980B		
92 x 5,5 x 1,2			Aeg	450		**790.920.00**
			Hitachi	F30A, FU30		
			Ryobi	L120N, L150N, L1205N, L1323		
102 x 5,5 x 1,1			Aeg	HB750, EH102, HBE800		**790.992.00**

2-PCS. BLISTER CASE

L mm	H mm	K mm	MACHINE	MODEL MACHINE	ORDER NO. 2-pcs. HSS	ORDER NO. 2-pcs. HW
82	x 29	x 3	Bosch	GHO20-82	**790.821.50**	**790.821.10**
			B&D	DN710, DB711		
			Makita	1900B, 1923B, 1100, 1901 1125		
			Ryobi	L-1323A, L-282		
new 110 x 29 x 3			Makita	1002BA, 1911B	**790.110.50**	

TECHNICAL DETAILS:
- Order no. ISO: K40
- Hardness (HV10): 1.400
- Transverse rupture strength (N/mm²): 2.600

APPLICATION:
Softwood ..... Good
Hardwood ..... Suitable
Plywood ..... Suitable

WHAT'S THE SECRET TO FLAWLESS EDGE PROFILES WITH NO REWORK?

WOOD® Magazine
Best Overall 1994 Wood's Choice Router Bits

CMT Overall Rating 10!
Top Performing Router Bits

MULTI-AXIS GRINDING CREATES A 3X LONGER LASTING MIRROR FINISH

Each cutting edge is precisely sharpened to the micron, in order to produce a cutting angle, which is razor sharp, yet extremely durable.

ANTI-KICKBACK DESIGN

Controls depth of cut and minimizes the chance of kickback, reducing your risk of injury.

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.

TRI-METAL BRAZING

Our Silver-Copper-Silver brazing protects the carbide tip when cutting harder wood or wood composites and reduces the chance of failed welds.

NON-STICK ORANGE SHIELD COATING®

NON-STICK ORANGE SHIELD COATING®

Prevents bit from heating up, reduces pitch build-up, protects against corrosion and provides a longer bit life.

Deluxe packaging

HQ STEEL

SUPERIOR HIGH-STRENGTH STEEL

We use high-quality, solid bar stock sourced from Switzerland, which provides exceptional resistance to fatigue and abrasion.

Up & Down Cut Spiral 146	Z1 Upcut Spiral 146	Z2 Up & Down Cut Spiral 147	Straight with Center Tip 148
Straight 149~151	Straight with Threaded Shank 152	Spiral for Aluminium 153	Straight with Insert Knives 154-155
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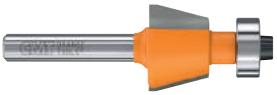
Combination Trimmer 160-161	Combination Trimmer with Bearing  161	Flush Trim 162-163	Spiral Flush Trim 164
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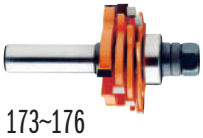
T-Slot 171	Screw Slot 172	Slot for Flooring 172	Slot Cutters & Sets  173~176
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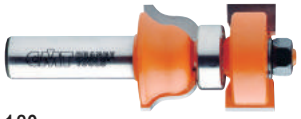
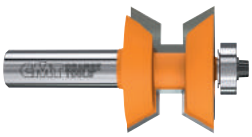
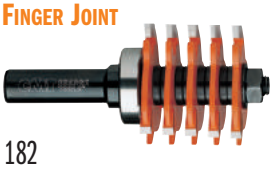
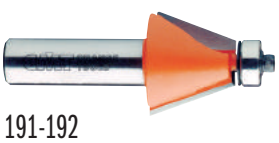
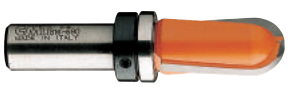
Window Sash  180		Glass Door Sash 181	
V-Tongue & Groove 183		Edge Banding 183	
Finger Joint  182	Dovetail 184~186	60° Lettering 187	Bowl & Tray 187
V-Grooving & Laser Point 188~190	Chamfer  191-192	Chamfer with Insert Knives 191	Round Nose  193

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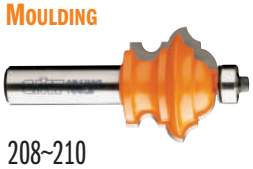
Moulding system 207		**Moulding**  208~210	**Finger Pull Door lip** 210-211
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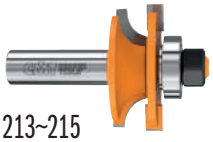
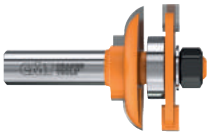
Rail & Stile Set  213~215		**Stile & Panel** 218	**Striplox Cutter** 219
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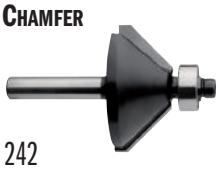
Slot Cutter 242	**Chamfer**  242	**Rabbeting** 243	**Cove** 243
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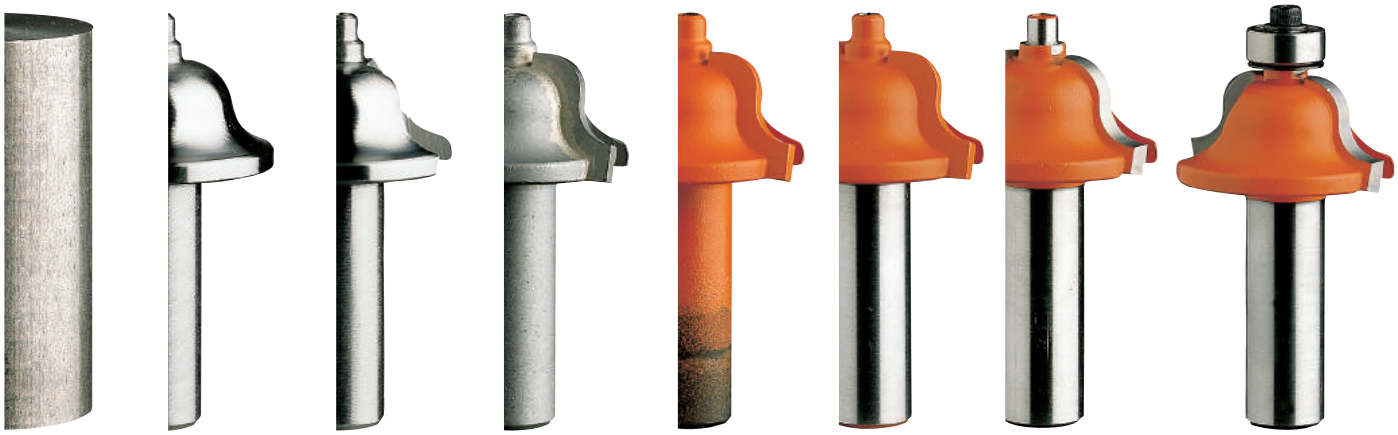
BUILDING THE WORLD'S FINEST CUTTING TOOLS

We built our foundations - and our reputation for high quality - on the craftsman-like manufacturing of boring bits and router bits. Times have changed and technology has completely altered the way things are done, and in this regard CMT is no exception. Our facilities have been newly renovated and our equipment today represents the most advanced technology available on the market, but we still make and will continue to make routers and boring bits with all the skill and care that we always have.



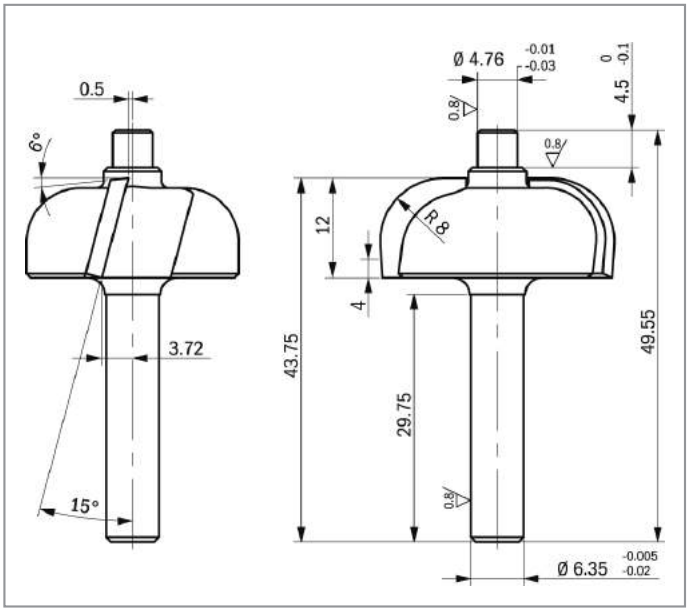
DESIGN

We engineer each tool with as purpose in mind. Years of developing high performance tools means that many of our top-selling tools are tried and true, the result of continuously perfecting each design, but we don't stop there. New materials, new profiles and new methods of working keep emerging. At CMT, we want to stay on the cutting edge of what's new in the industry so our technical department constantly evaluates current market developments and, by using state of the art software and years of experience, designs tools that are worthy of the CMT brand.

MATERIALS

Essentially, the main components of a router bit are just two: steel and carbide. If either of these is less than the best, the tool we make will show it. We've researched steel and carbide since the beginning, and found exactly what we were looking for:

Superior Steel. All our steel comes from right above the border, in Switzerland, where they use an exclusive hot drawing process to forge the solid bar stock we use to manufacture our router bit shanks and bodies. The result is steel that is superior in strength and exceptionally resistant to fatigue and abrasion.



High-Grade Tungsten Carbide. If steel is what gives our tools strength, carbide is what gives them intelligence. The capacity of the carbide tip to cut precisely and to last a long time is critical for the performance of any tool, so at CMT we use only premium micrograin carbide from Luxembourg to make the tips for our router bits.

MANUFACTURING

Turning, Milling and Cutting. Our biggest investment in recent years has been in upgrading production. Today, all machinery at CMT is fully automated. CNC machines run by specially trained operators who make sure that the shanks and bodies of our router bits and boring bits are accurate and perfectly balanced.

Heat Forged Steel Bodies for Large Diameter Bits. No router bits are exactly the same, sometimes not even in the way they are made. Certain bits require a few more steps than others, like heat forging the steel of larger diameter bits before turning it down into precise bit bodies. This extra step produces a radial grain orientation which gives large diameter bits extra strength and durability.

Brazing. We have pioneered the art of brazing. Not only does our unique custom-designed computerized brazing equipment help eliminate the inconsistencies found in old fashioned hand brazing, but our silver-copper-silver brazing 'sandwich' provides a tight bond between the steel and the carbide, with a shock absorbing effect to protect the carbide tips when cutting harder woods.

Specially Formulated Carbide for Specific Applications. You have to cut every kind material, so we make sure that our carbide tips can handle each individual job. This means specially formulating the carbide of each tool so that the compositions vary from being super hard (for tough cutting jobs like laminates) to being less hard (to absorb the impact when cutting large profiles) and everything in between.

Grinding and Sharpening. The final step in the production process is no different from the rest: sharpening and grinding are done to extreme precision on multi-axis CNC machines. Each bevel and angle is ground or sharpened to the micron, to produce a cutting edge that is both razor sharp yet extremely durable.

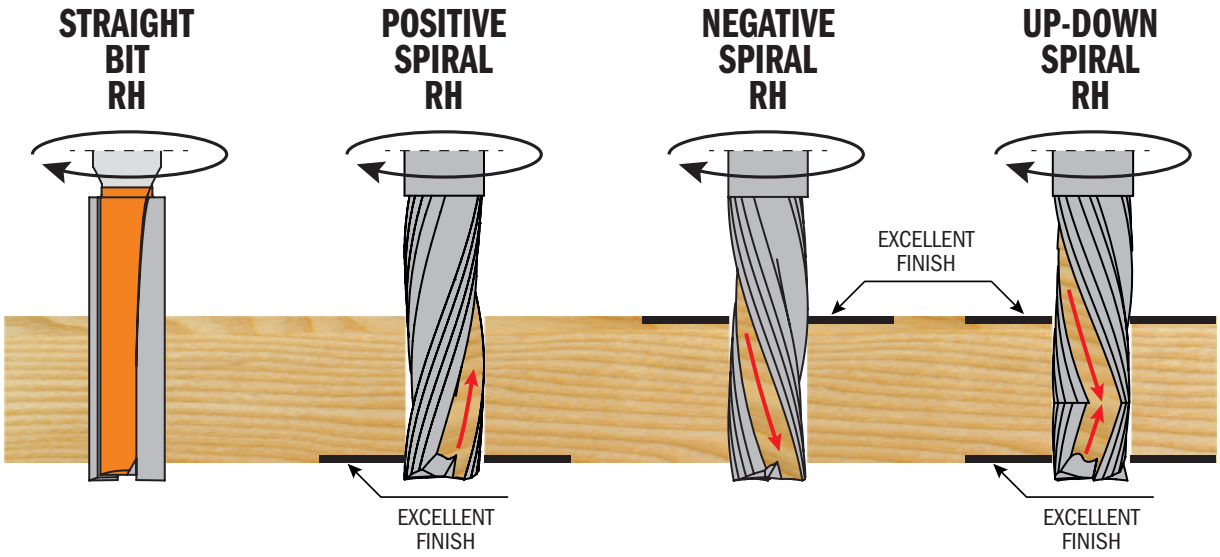
680°C in seconds - and the brazing is complete.

QUALITY CONTROL

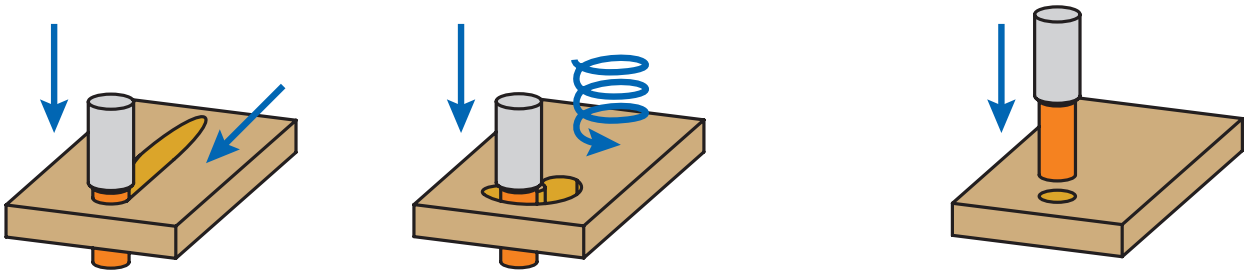
In even the most carefully done task, there's always room for error. However at CMT, we take measures to prevent even this. We always manually check the quality of our tools at each step of the manufacturing process, and we still make test cuts with rail & stile bits to make sure the cut fits. However, now we also use a fully automatic measuring process that measures every dimension of the tool without actually coming into contact with it, to make sure that the tool measurements are accurate and that the profiles conform precisely to technical specifications. We also use this system to gauge the wear and tear on the CNC machines.

CMT's fully automatic measuring system.

Cutting Edge Type



Recommended Plunging Method



RAMP PLUNGING

SPIRAL PLUNGING

These methods are recommended for sizing and grooving tools.

AXIAL PLUNGING

Router bits with mainly negative cutting shear angles, negative spiral, and router bits without plunging cutter are not suitable for axial plunging!

Problem Solving

PROBLEM	SOLUTIONS	INCREASE
Bad finishing	• Cutting depth • Vibrations	• Rotation speed • Dust extraction • Number of cutting edges • Clamping cutter/chuck
Cutting edge wear	• Rotation speed • Vibrations	• Feed speed
Cutting edge burns	• Rotation speed • Number of cutting-edges	• Feed speed
Cutting edge debris	• Cutting depth	• Rotation speed • Feed speed • Dust extraction
Vibrations	• Rotation speed • Cutting depth	• Machine stability • Workpiece stability
Cutter breakage	• Feed speed • Cutting depth • Vibrations	• Shank diameter • Collet clamping • Change tool material (solid carbide or Densimet®)

DECREASE

EXTRA HARD DLCS CHROME COATING

XTREME COATING

THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

DLCS is a modified diamond-like carbon coating with enhanced load bearing capacity. A hard, durable metal-based layer (chromium nitride) provides an higher hardness surface and increases the resilience of the superposed, tribologically effective carbon coating. Coating prevents high heats which is detrimental to cutting tool performance and will remain fully effective after use.

Extreme Coating Hardness >HV 2.500	Minimal coating thickness µm 2-4	The lowest coefficient of friction 0,1-0,2	High Working Temperature
Offers impressive hardness on cutting areas of the tool and superb protection against abrasive wear and stress resistance.	The minimal micron coating guaranteed perfect sharpen edges for high cutting quality.	Very good running-in and low friction losses. Reduction of sticking. Ideal for high speeds in Nesting applications.	Less overheating! The coating guarantees working temperature up to 400° preserving the cutting edges from wear.

BENEFITS

3X LONGER LIFE THAN UNCOATED

DLCS CHROME COATING
provides 3 times longer life than uncoated tools!

Test performed in U.S. with ½" solid carbide compression spiral bit

MACHINE:	Felder Profit H10 Nested Base/Overhead CNC Router
WORKING PARAMETERS:	RPM = 18,000 - Feed = 20 mts/minute
MATERIAL:	19mm Melamine Chipboard
APPLICATION:	Nesting Full Dimensioning
PERFORMANCE:	DLCS coated bit cut 165 melamine panels Uncoated bit cut 56 melamine panels

Felder Profit H10

DLCS coated bit

Melamine Chipboard

Cut quality after 165 panels

Solid Carbide Spiral Bits

CMT ORANGE TOOLS®

Due to their spiral cutting edge which stays in continuous contact with the workpiece, these bits give a smooth, chatter-free cutting action, unlike conventional bits which have intermittent contact with the workpiece. Unsurpassed for cleaner cuts in ordinary or difficult materials, softwood, hardwood, plywood, composites etc. This new range of spiral bits with 6 - 8 - 12mm and 6,35 - 12,7mm shanks allow them to be used with a CNC router and hand-routers.

Test check yourself the extraordinary quality-price ratio of these bits!

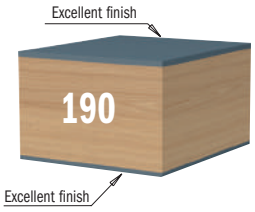
190 Upcut & Downcut Spiral

HWM | Z2+2 | Z3+3 | RH | UP DOWN

	D mm	I mm	I1 Pos. mm	L mm	Z		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø9,52mm	ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
new	6,35	22,2	7	63,5	2+2	10	**190.008.11**					
	8	32	7	80	2+2	10		**190.080.11**				
	9,52	28,6	7	76,2	2+2	10			**190.504.11**			
	10	32	7	80	2+2	10				**190.100.11**		
	10	42	7	90	2+2	10				**190.101.11**		
	12	42	7	90	2+2	10					**190.120.11**	
	12	52	7	100	2+2	10					**190.121.11**	
	12,7	25,4	12	76,2	2+2	10						**190.505.11**
	12,7	28,6	12	76,2	2+2	10						**190.506.11**
	12,7	34,9	12	88,9	2+2	10						**190.507.11**
	12,7	41,3	12	101,6	2+2	10						**190.508.11**
	Up & Downcut Mortising Bits											
	9,52	22,2	4,8	76,2	2+2	10			**190.513.11**			
	9,52	25,4	5,2	76,2	3+3	10			**190.813.11**			
	12	25,4	5,2	83	3+3	10					**190.320.11**	
	12,7	22,2	5,2	76,2	2+2	10						**190.515.11**
	12,7	34,9	5,2	88,9	2+2	10						**190.517.11**
new	12,7	28,5	6	76,2	3+3	10						**190.815.11**

EXTRA HARD DLCS CHROME COATING

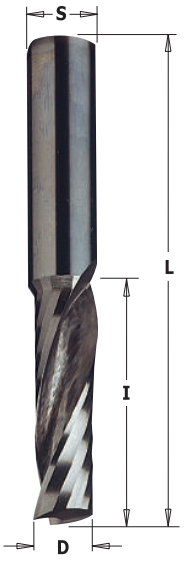
3X LONGER LIFE THAN UNCOATED



190.41 Upcut & Downcut Spiral - **DLCS Chrome Coating** Long Life

new

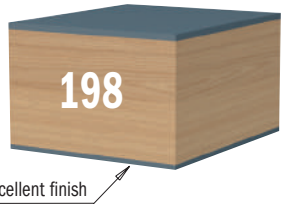
D mm	I mm	I1 Pos. mm	L mm	Z				ORDER NO. S=Ø9,52mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
9,52	28,6	7	76,2	2+2	10			**190.504.41**			
12	42	7	90	2+2	10					**190.120.41**	
12	52	7	100	2+2	10					**190.121.41**	
12,7	25,4	12	76,2	2+2	10						**190.505.41**
12,7	28,6	12	76,2	2+2	10						**190.506.41**
12,7	34,9	12	88,9	2+2	10						**190.507.41**
12,7	41,3	12	101,6	2+2	10						**190.508.41**
Up & Downcut Mortising Bits											
9,52	22,2	4,8	76,2	2+2	10			**190.513.41**			
9,52	25,4	5,2	76,2	3+3	10			**190.813.41**			
12	25,4	5,2	83	3+3	10					**190.320.41**	
12,7	22,2	5,2	76,2	2+2	10						**190.515.41**
12,7	34,9	5,2	88,9	2+2	10						**190.517.41**
12,7	28,5	6	76,2	3+3	10						**190.815.41**

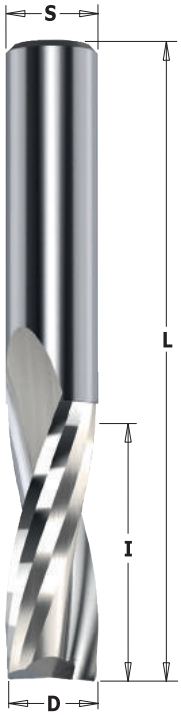


198 Upcut

HWM | Z1 | RH | UP

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm
3,18	12,7	50,8	10		**198.001.11**		
4,76	15,87	50,8	10		**198.005.11**		
6	22	60	10	**198.060.11**			
6,35	19,05	50,8	10		**198.007.11**		
6,35	25,4	63,5	10		**198.008.11**		
8	22	70	10			**198.080.11**	
8	32	80	10			**198.081.11**	
12	32	83	10				**198.120.11**

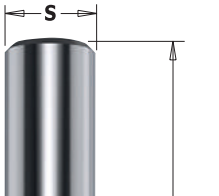


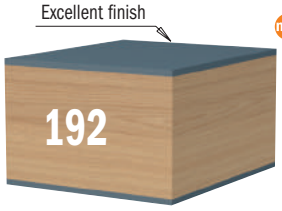


191 Upcut Spiral

HWM Z2 RH UP

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3	12	60	10	**191.630.11**		**191.830.11**		
3,18	12,7	50,8	10		**191.001.11**			
3,5	12	60	10	**191.635.11**				
3,97	12,7	50,8	10		**191.003.11**			
4	15	60	10	**191.640.11**		**191.840.11**		
4,76	19,05	50,8	10		**191.005.11**			
5	17	60	10	**191.650.11**		**191.850.11**		
6	27	70	10	**191.060.11**		**191.860.11**		
6,35	19,05	50,8	10		**191.007.11**			
6,35	25,4	63,5	10		**191.008.11**			
7	32	80	10			**191.870.11**		
7,94	25,4	76,2	10					**191.501.11**
8	22	70	10			**191.080.11**		
8	32	80	10			**191.081.11**		
8	42	90	10			**191.082.11**		
9	32	83	10				**191.890.11**	
9,53	31,75	82,5	10					**191.503.11**
10	32	80	10			**191.800.11**		
10	32	83	10				**191.900.11**	
10	42	90	10				**191.901.11**	
12	35	83	10			**191.820.11**	**191.120.11**	
12	42	90	10				**191.121.11**	
12	52	100	10				**191.122.11**	
12,7	31,75	76,2	10					**191.505.11**
12,7	38,1	88,9	10					**191.506.11**
12,7	50,8	101,6	10					**191.507.11**
10 pc. masterpack								
new 6,35	25,4	63,5			191.008.11-X10			

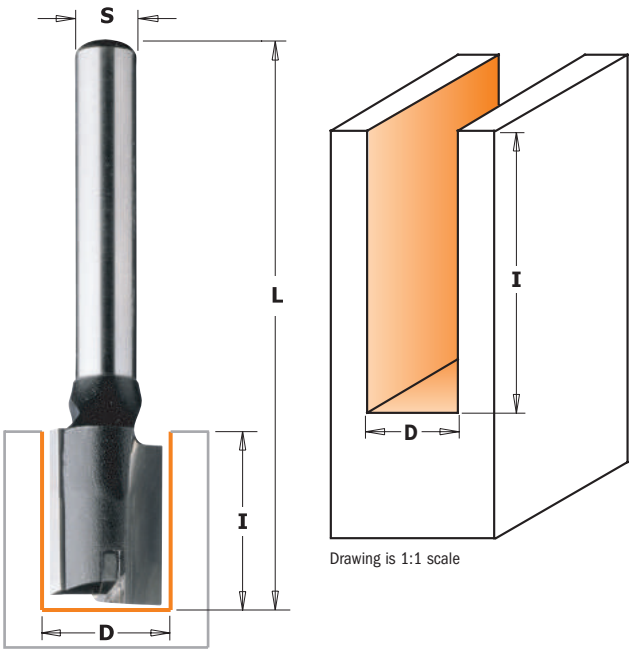




192 Downcut Spiral

HWM Z2 RH DOWN

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3	12	60	10	**192.630.11**		**192.830.11**		
3,18	12,7	50,8	10		**192.001.11**			
3,97	12,7	50,8	10		**192.003.11**			
4	15	60	10	**192.640.11**		**192.840.11**		
4,76	19,05	50,8	10		**192.005.11**			
5	17	60	10	**192.650.11**		**192.850.11**		
6	27	70	10	**192.060.11**		**192.860.11**		
6,35	19,05	50,8	10		**192.007.11**			
6,35	25,4	63,5	10		**192.008.11**			
7,94	25,4	76,2	10					**192.501.11**
8	22	70	10			**192.080.11**		
8	32	80	10			**192.081.11**		
8	42	90	10			**192.082.11**		
9,53	31,75	82,5	10					**192.503.11**
10	32	80	10			**192.800.11**		
10	32	83	10				**192.900.11**	
12	35	83	10			**192.820.11**	**192.120.11**	
12,7	31,75	76,2	10					**192.505.11**
12,7	38,1	88,9	10					**192.506.11**
12,7	50,8	101,6	10					**192.507.11**
10 pc. masterpack								
new 8	32	80				192.081.11-X10		



Drawing is 1:1 scale

174-177

HWM HW Z2+1 RH

These industrial straight bits are made from stainless steel specifically created to withstand rigorous work on router machines and CNC routers.

The cutting edge allows you to execute any kind of plunge drilling and trimming jobs on soft or hardwood, wood composites and plastic or laminated materials.

Application: used for drilling, grooving or jointing solid wood and wood composites. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adapters.

Plunge Centre Tip

This particular kind of cutting edge guarantees long-lasting performance during plunging operations.

177

D mm	I mm	L mm		ORDER NO. S=Ø12mm
10	35	90	10	**177.100.11**
12	35	90	10	**177.120.11**
12	50	100	10	**177.121.11**
14	35	90	10	**177.140.11**
16	35	90	10	**177.160.11**
16	60	110	10	**177.161.11**
18	35	90	10	**177.180.11**
18	60	110	10	**177.181.11**
20	35	90	10	**177.200.11**
22	35	90	10	**177.220.11**
24	35	90	10	**177.240.11**
25	35	90	10	**177.250.11**
26	35	90	10	**177.260.11**
28	35	90	10	**177.280.11**
30	35	90	10	**177.300.11**
35	35	90	10	**177.350.11**

174

• HWM

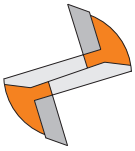
D mm	I mm	L mm		ORDER NO. S=Ø8mm
• 3	10	55	10	**174.030.11**
• 4	10	55	10	**174.040.11**
• 5	12	55	10	**174.050.11**
• 6	14	55	10	**174.060.11**
• 7	20	55	10	**174.070.11**
8	20	55	10	**174.080.11**
8	30	70	10	**174.081.11**
8	40	90	10	**174.082.11**
9	20	55	10	**174.090.11**
10	20	60	10	**174.100.11**
10	30	70	10	**174.102.11**
10	40	90	10	**174.101.11**
11	20	60	10	**174.110.11**
12	20	60	10	**174.120.11**
12	30	70	10	**174.122.11**
12	40	90	10	**174.121.11**
13	20	60	10	**174.130.11**
14	20	60	10	**174.140.11**
14	30	70	10	**174.142.11**
14	40	90	10	**174.141.11**
15	20	60	10	**174.150.11**
16	20	70	10	**174.160.11**
16	30	70	10	**174.162.11**
16	40	90	10	**174.161.11**
18	20	70	10	**174.180.11**
18	30	70	10	**174.181.11**
18	40	80	10	**174.182.11**
19	20	70	10	**174.190.11**
20	20	70	10	**174.200.11**
20	30	70	10	**174.201.11**
20	40	90	10	**174.202.11**
22	20	70	10	**174.220.11**
22	30	70	10	**174.221.11**
22	40	90	10	**174.222.11**
23,5	20	70	10	**174.235.11**
24	20	70	10	**174.240.11**
24	30	70	10	**174.241.11**
24	40	90	10	**174.242.11**
25	20	70	10	**174.250.11**
26	20	70	10	**174.260.11**
26	30	70	10	**174.261.11**
28	20	70	10	**174.280.11**
28	30	70	10	**174.281.11**
29	20	70	10	**174.290.11**
30	20	70	10	**174.300.11**

7/8/912

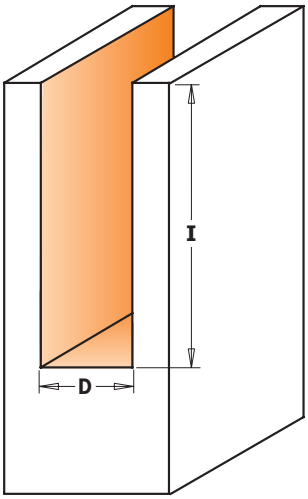
HWM HW Z2 RH

Safety precautions: never use damaged or worn bits.
Always work at the recommended proper feed rate without forcing the bit.
Pay particular attention when making the initial cut with a small diameter bit.
For best results when working with small diameter bits, make the cut in more than one pass.

The sharpened cutting edge on 9mm diameter bits or larger are perfect for short plunging operations.



Masterpack



Drawing is 1:1 scale

• HWM

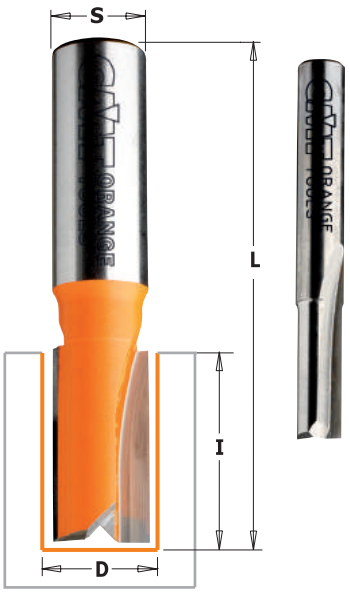
D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
• 3	11	60	10	**712.030.11**				
• 3,2	12,7	50,8	10		**812.032.11**			
• 4	12	60	10	**712.040.11**				
• 5	18	60	10	**712.050.11**				
• 6	25,4	60	10	**712.060.11**	**812.060.11**	**912.060.11**		
• 6,35	25,4	60	10		**812.064.11**			
• 8	31,7	60	10	**712.080.11**	**812.080.11**	**912.080.11**		
• 8	31,7	75	10				**912.580.11**	
9	31,7	75	10				**912.590.11**	
9,5	31,7	63,5	10		**812.095.11**			
9,5	31,7	73	10					**812.595.11**
10	31,7	60	10	**712.100.11**	**812.100.11**	**912.100.11**		
10	31,7	70	10					**812.600.11**
10	31,7	74	10				**912.600.11**	
11,1	31,7	82,5	10					**812.611.11**
12	31,7	60	10	**712.120.11**	**812.120.11**	**912.120.11**		
12	31,7	70	10					**812.620.11**
12	38,1	95	10				**912.621.11**	**812.621.11**
12	50,8	108	10				**912.622.11**	
12*	70	110	10				**912.623.11**	
12,7	31,7	70	10		**812.127.11**	**912.127.11**		
12,7	38,1	95	10					**812.627.11**
12,7	50,8	108	10					**812.628.11**
12,7	63,5	111	10					**812.629.11**
14	31,7	60	10	**712.140.11**	**812.140.11**	**912.140.11**		
14	31,7	70	10				**912.640.11**	
15	31,7	66	10	**712.150.11**	**812.150.11**	**912.150.11**		
15	31,7	70	10				**912.650.11**	
15,8	31,7	70	10		**812.158.11**			
16	31,7	66	10	**712.160.11**	**812.160.11**	**912.160.11**		
16	31,7	70	10				**912.660.11**	**812.660.11**
18	38,1	80	10				**912.681.11**	
19	38,1	82,5	10				**912.690.11**	**812.690.11**
19	50,8	92	10				**912.691.11**	**812.691.11**
20	38,1	80	10				**912.701.11**	
22	38,1	80	10				**912.721.11**	
10 pc. masterpack								
6,35	25,4	60						**812.064.11-X10**
12,7	50,8	108						**812.628.11-X10**

* **Z2+1** Warning. Long cutting edges. Carefully make several shallow passes to prevent damaging the tool. The warranty does not cover improper use of the tool.

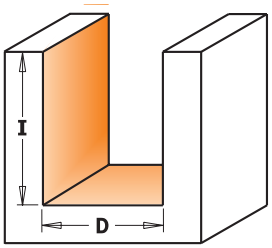
HWM HW Z1 Z2 RH

7/8/911

If you are looking to get the most out of your time and money through more efficient production, but want nothing less than a beautiful clean edge on your finished piece, then you definitely must include CMT straight bits in your collection. These razor-sharp, double-faced cutters perfectly synthesize the characteristics and advantages that define quality CMT products. Made of special Fatigue Proof℠ steel and micrograin carbide, our straight bits can withstand even the heaviest work load and still give you a smooth, precise cut every time. You also get exceptional chip ejection to allow cleaner and more constant cutting.
The surface of all CMT bits is protected with our trademark orange non-stick PTFE coating to help keep the bit from collecting resin, pitch and other residue. Every bit is subject to strict quality tests to guarantee perfect cutting tolerance, balance and concentricity. CMT bits allow production on an industrial scale using a variety of plywood, composites and natural woods. CMT produces 91 types of straight bits in a wide range of diameters so you can find exactly what you want.

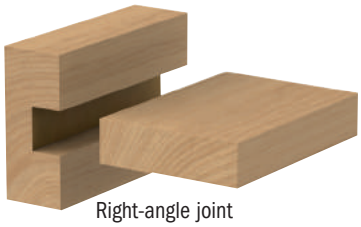


The sharpened cutting edge is perfect for short plunging operations.

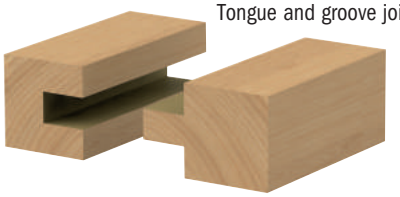


Drawing is 1:1 scale

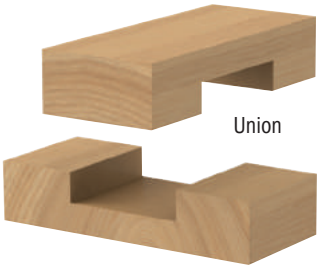
Biscuit joint using bit #7/8/911.040.11



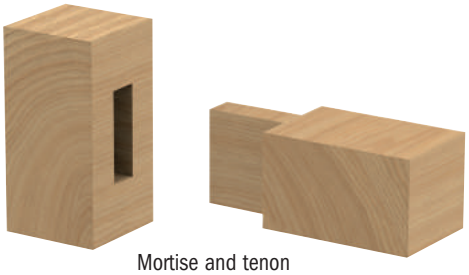
Right-angle joint



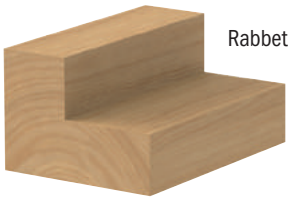
Tongue and groove joint



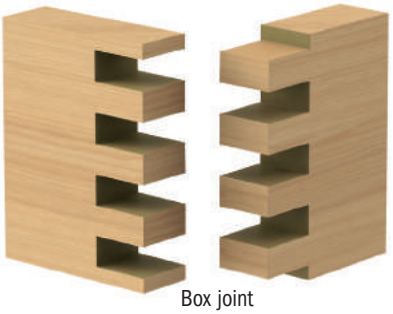
Union



Mortise and tenon



Rabbet



Box joint

Plywood Groove Set

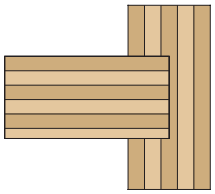
HWM HW Z2 RH

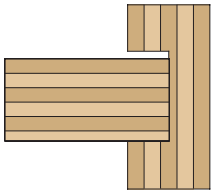
811

These groove bits are specifically designed to rout grooves and dadoes for joints in plywood. This means they match the true thickness of the material, producing tight, accurate joints. Use our 18.2mm bit for 19mm plywood, 12.3mm bit for 12.7mm plywood and our 6mm bit for 6.35mm plywood. No gaps. No sloppy joints. No worries!
These money-saving 3-bit sets are available with 12.7mm or 6.35mm shanks.

Example shown in 12,7mm thick plywood

This joint is made with the CMT 12,3mm straight bit for 12,7mm plywood. Notice the precise fit - no gaps.





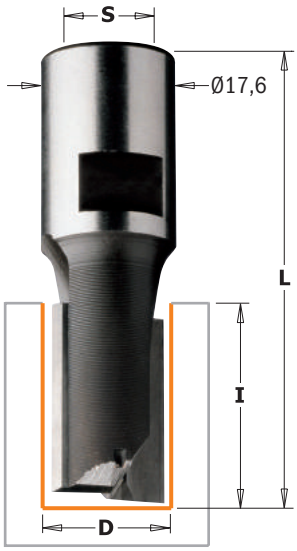
This joint is made with a regular 12,7mm straight bit for 12,7mm plywood. Notice the extra space and ill fitting joint.

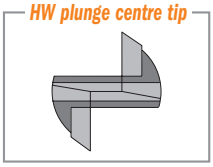
Description		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
Plywood Groove Set (Ø6 - Ø12,3 - Ø18,2mm)	5	811.001.11	811.501.11

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
• 2*	4	45	10	**711.020.11**	**811.020.11**			
• 3	8	45	10	**711.030.11**	**811.030.11**			
• 3	8	50	10			**911.030.11**		
• 3	8	58,3	10				**911.530.11**	
• 3,2	9,5	45	10		**811.032.11**			
• 4	10	58,3	10				**911.540.11**	
• 4	10	45	10	**711.040.11**	**811.040.11**			
• 4	10	50	10			**911.040.11**		
• 4,75	12,7	50,8	10		**811.047.11**			
• 5	12	50	10	**711.050.11**	**811.050.11**	**911.050.11**		
• 5	12	58,3	10				**911.550.11**	
• 6	16	50	10	**711.060.11**	**811.060.11**	**911.060.11**		
• 6	19	63,5	10				**911.560.11**	**811.560.11**
• 6,35	19	50,8	10		**811.064.11**			
• 6,35	19	57,2	10		**811.065.11**			
• 6,35	19	63,5	10					**811.564.11**
• 7	18	49	10	**711.070.11**	**811.070.11**	**911.070.11**		
• 7	18	63,5	10				**911.570.11**	
• 7,6	20	50	10			**911.076.11**		
• 8	20	50	10	**711.080.11**	**811.080.11**	**911.080.11**		
• 8	25,4	70	10		**811.081.11**			
• 8	25,4	70	10					**811.581.11**
9	20	48	10	**711.090.11**		**911.090.11**		
9,5	19	50,8	10		**811.095.11**			
9,5	25,4	63,5	10		**811.096.11**			
9,5	25,4	66,7	10					**811.595.11**
10	20	48	10	**711.100.11**	**811.100.11**	**911.100.11**		
10	25,4	63,5	10					**811.600.11**
11	20	48	10	**711.110.11**		**911.110.11**		
12	20	50	10	**711.120.11**	**811.120.11**	**911.120.11**		
12	25,4	63,5	10				**911.620.11**	**811.620.11**
12,3	25,4	57,2	10		**811.123.11**			
12,3	25,4	63,5	10					**811.623.11**
12,7	19	57,2	10		**811.127.11**			
12,7	25,4	66,7	10					**811.627.11**
12,7	31,7	82,5	10					**811.628.11**
13	20	57	10	**711.130.11**		**911.130.11**		
14	20	50	10	**711.140.11**	**811.140.11**	**911.140.11**		
14,2	14,2	57,2	10		**811.142.11**			
15	20	57,2	10	**711.150.11**	**811.150.11**	**911.150.11**		
15,8	19	66,7	10		**811.158.11**			
15,8	25,4	63,5	10					**811.660.11**
16	20	57,2	10	**711.160.11**	**811.160.11**	**911.160.11**		
16	25,4	63,5	10					**811.661.11**
17	20	50	10	**711.170.11**				
18	20	50	10	**711.180.11**	**811.180.11**	**911.180.11**		
18,2	25,4	57,2	10		**811.182.11**			
18,2	25,4	63,5	10					**811.682.11**
19	20	57,2	10	**711.190.11**	**811.191.11**	**911.190.11**		
19	25,4	63,5	10					**811.690.11**
19,85	25,4	59	10					**811.700.11**
20	20	50	10	**711.200.11**	**811.200.11**	**911.200.11**		
22	20	57,2	10	**711.220.11**	**811.220.11**	**911.220.11**		
24	20	50	10	**711.240.11**		**911.240.11**		
25	20	50	10	**711.250.11**		**911.250.11**		
25,4	19	50,8	10		**811.254.11**			
25,4	31,7	76,2	10					**811.754.11**
28,5	31,7	76,2	10					**811.785.11**
10 pc. masterpack								
9,5	25,4	63,5						**811.096.11-X10**

• HWM
*** Z1**

Masterpack





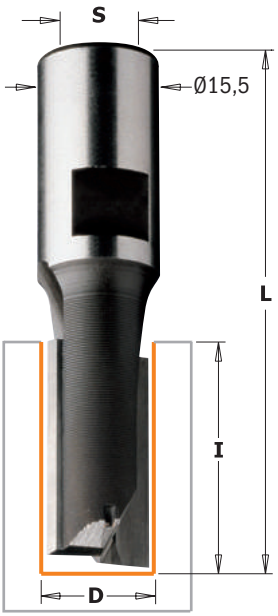
TECHNICAL DETAILS:
- Super strength steel
- 2 HW alternating precision ground cutting edges [Z2+1]

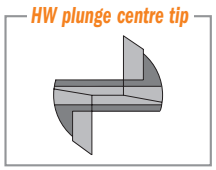
APPLICATION: ideal for cutting openings for electrical boxes and similar operations in solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adapters.

170-171-180-181

HW Z2+1 RH

D mm	I mm	L mm		ORDER NO. S=M12x1
6	18	60	1	**170.060.11**
8	23	60	1	**170.080.11**
10	23	60	1	**170.100.11**
11	23	60	1	**170.110.11**
12	23	60	1	**170.120.11**
14	23	60	1	**170.140.11**
15	25	60	1	**170.150.11**
16	25	60	1	**170.160.11**
18	25	60	1	**170.180.11**
20	25	60	1	**170.200.11**
22	25	60	1	**170.220.11**
24	25	60	1	**170.240.11**
25	25	60	1	**170.250.11**
26	25	60	1	**170.260.11**
28	25	60	1	**170.280.11**
30	25	60	1	**170.300.11**
35	25	60	1	**170.350.11**
8	35	67	1	**171.080.11**
10	35	67	1	**171.100.11**
12	35	67	1	**171.120.11**
14	35	67	1	**171.140.11**
16	35	67	1	**171.160.11**
18	35	67	1	**171.180.11**
20	35	67	1	**171.200.11**
22	35	67	1	**171.220.11**
12	45	77	1	**180.120.11**
16	45	77	1	**180.160.11**
18	45	77	1	**180.180.11**
20	45	77	1	**180.200.11**
16	60	92	1	**181.160.11**
20	60	92	1	**181.200.11**

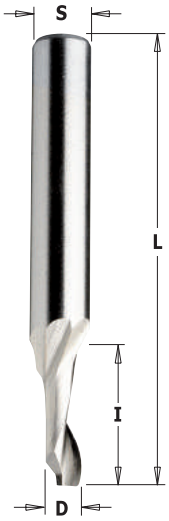




173-182

HW Z2+1 RH

D mm	I mm	L mm		ORDER NO. S=M10x1,5
6	14	50	1	**173.060.11**
8	20	52	1	**173.080.11**
10	22	52	1	**173.100.11**
12	22	52	1	**173.120.11**
14	25	52	1	**173.140.11**
15	25	52	1	**173.150.11**
16	25	52	1	**173.160.11**
18	25	52	1	**173.180.11**
20	25	52	1	**173.200.11**
22	25	52	1	**173.220.11**
25	25	52	1	**173.250.11**
30	25	52	1	**173.300.11**
8	35	67	1	**182.080.11**
10	35	67	1	**182.100.11**
12	35	67	1	**182.120.11**
14	35	67	1	**182.140.11**
16	45	77	1	**182.160.11**
18	45	77	1	**182.180.11**
20	45	77	1	**182.200.11**

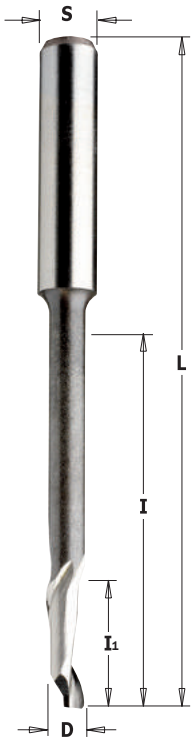


188

HSS Z1 RH

D mm	I mm		L mm		ORDER NO. S=Ø8mm
3	12		60	50	**188.030.51**
4	12		60	50	**188.040.51**
4	40		100	1	**188.041.51**
5	14		60	50	**188.050.51**
5	40		100	1	**188.051.51**
6	14		60	50	**188.060.51**
6	40		100	1	**188.061.51**
7	14		60	50	**188.070.51**
8	14		80	50	**188.080.51**
8	40		100	1	**188.081.51**
9	14		80	50	**188.090.51**
10	14		80	50	**188.100.51**
12	14		80	50	**188.120.51**

***Suggested* MAX RPM 12.000**



189 5% Co HS Spiral Bits for High Cutting Depth

HSS Z1 RH

D mm	I mm	I_1 mm	L mm	S mm		ORDER NO.
4	46	16	90	8	1	**189.040.51**
5	35	18	80	8	50	**189.050.51**
5	35	14	120	8	1	**189.051.51**
5	55	16	90	8	1	**189.052.51**
6	45	16	90	8	1	**189.060.51**
8	68	14	100	8	1	**189.080.51**
8	55	14	80	8	50	**189.081.51**
10	95	14	120	10	1	**189.100.51**
10	70	30	100	10	1	**189.101.51**

***Suggested* MAX RPM 12.000**

TECHNICAL DETAILS:
- 5% Co premium solid HS
- 1 upcut spiral cutting edge
- Upward chip ejection

APPLICATION: these tools feature single flute design allowing efficient and effective carving on all types of aluminium. This translates into greater flexibility, enhanced productivity and superb quality finishing.

Solid Carbide Upcut Spiral Bits for Aluminum and PVC

186

MIRROR FINISH HWM Z2 RH

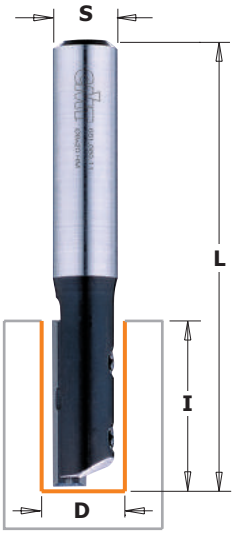
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
4	10	60	6	10	**186.640.11**	
5	12	60	6	10	**186.650.11**	
6	15	60	6	10	**186.060.11**	
8	20	60	8	10	**186.080.11**	
10	22	72	10	10	**186.100.11**	
12*	25	83	12	10	**186.120.11**	
14*	25	82	14	10	**186.140.11**	
16*	25	82	16	10	**186.160.11**	

* with seat for seeger retention ring

TECHNICAL DETAILS:
- Premium quality HWM
- 2 spiral cutting edges [Z2]
- Extra-fine finish
- Upward chip ejection

APPLICATION: used for ripping, template routing and panel sizing on plastic materials and aluminum at high feed speed.
Can be used on machining centers, point to point machines, CNC routers and hand held routers equipped with chucks or adapters.

Straight Router Bits with Insert Knives

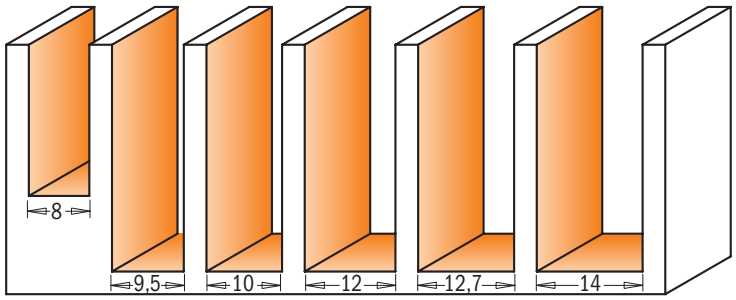


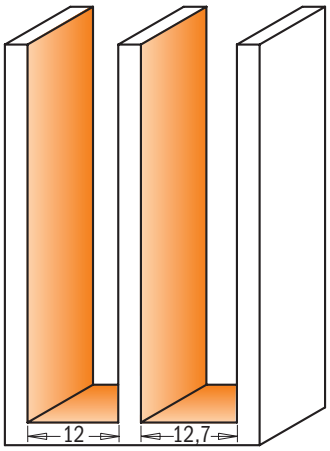
651-652

INSERT CARBIDE Z1 RH 2X LONGER LIFE

Straight router bit with one replaceable mini knife and fixing wedge. Radial and axial groove for better and safe knife insertion. For finishing, routing and grooving in board materials (DTD laminated, MDF and hardwood). For use on portable routers or CNC machining centres.

Drawings are 1:1 scale





D mm	I mm	L mm		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
8	20	60	10	**651.079.11**				790.200.01	651.999.01	990.070.00	991.063.00
8	20	60	10		**651.080.11**			790.200.01	651.999.01	990.070.00	991.063.00
8	20	67	10			**651.081.11**	**651.681.11**	790.200.01	651.999.01	990.070.00	991.063.00
9,5	30	70	10	**651.095.11**				790.300.01	651.999.02	990.071.00	991.063.00
9,5	30	80	10				**651.695.11**	790.300.01	651.999.02	990.071.00	991.063.00
10	30	70	10		**651.100.11**			790.300.01	651.999.02	990.071.00	991.063.00
10	30	80	10			**651.101.11**	**651.701.11**	790.300.01	651.999.02	990.071.00	991.063.00
12	30	70	10		**651.120.11**			790.300.01	651.999.02	990.071.00	991.063.00
12	30	80	10			**651.121.11**	**651.721.11**	790.300.01	651.999.02	990.071.00	991.063.00
12	50	103	10			**652.121.11**	**652.621.11**	790.500.01	651.999.03	990.016.00	991.060.00
12,7	30	70	10	**651.127.11**				790.300.01	651.999.02	990.071.00	991.063.00
12,7	30	80	10				**651.727.11**	790.300.01	651.999.02	990.071.00	991.063.00
12,7	50	103	10				**652.628.11**	790.500.01	651.999.03	990.016.00	991.060.00
14	30	73	10		**651.140.11**			790.300.01	651.999.02	990.071.00	991.063.00

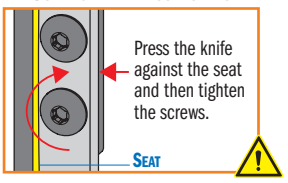
Straight Router Bits with Insert Knives for Laminates

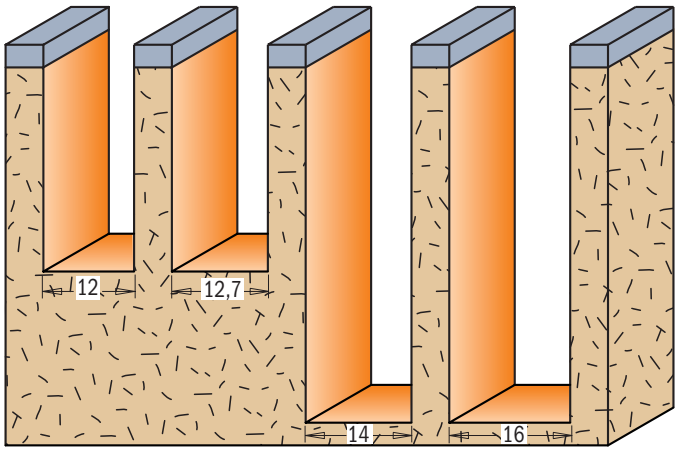
652

INSERT CARBIDE Z1 RH 2X LONGER LIFE

Straight trimmer bits with one replaceable knife fixed by a Torx screw. A smart economical solution best suited for specialized applications requiring low downtime.
The 29.5x9x1.5mm knives provide a 40mm cutting length by making multiple passes.
For routing trimming and grooving on board materials (laminated chipboard, worktop panels and MDF).
For use on portable routers.

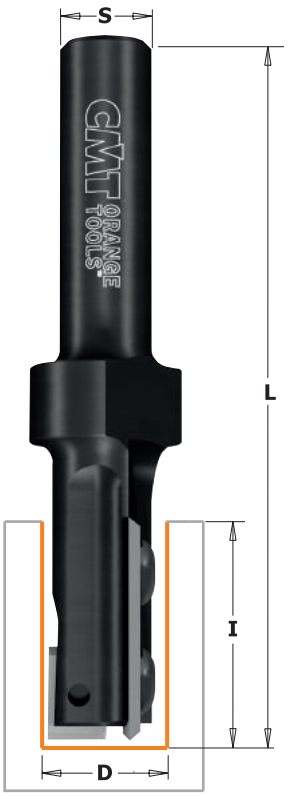
CORRECT KNIFE POSITIONING





Drawings are 1:1 scale

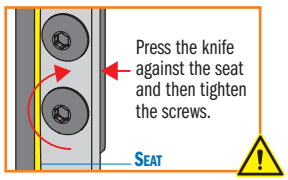
D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
12	29,5	79	10	**652.120.11**			790.295.09	990.072.00	991.061.00
12	39,5	90	10	**652.122.11**			790.395.09	990.072.00	991.061.00
12,7	29,5	89	10			**652.627.11**	790.295.09	990.072.00	991.061.00
14	50	96	10		**652.141.11**		790.500.09	990.072.00	991.061.00
16	50	96	10		**652.161.11**		790.500.09	990.072.00	991.061.00

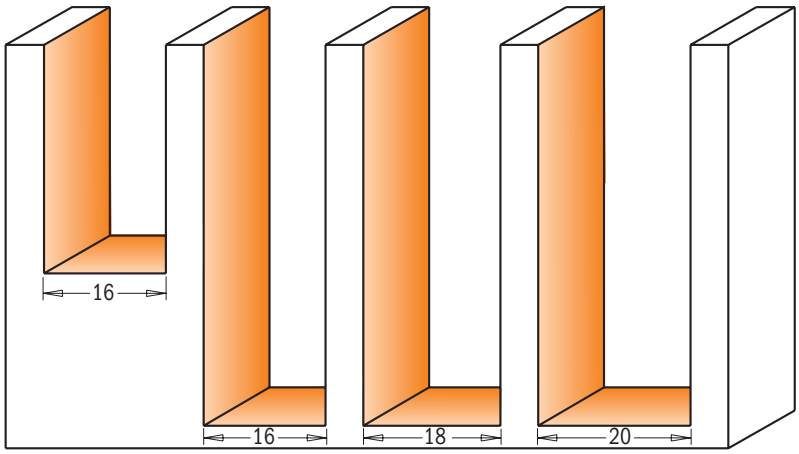


653

INSERT CARBIDE · MEC · Z1+1 · RH · 2X LONGER LIFE

Straight router bits with a replaceable plunging knife and side knife fixed by a special Torx screw. The tool bodies are precisely balanced.
For finishing, routing, plunging and grooving on board materials (laminated chipboards and MDF) and hardwood.
For use on portable routers or CNC machining centres.





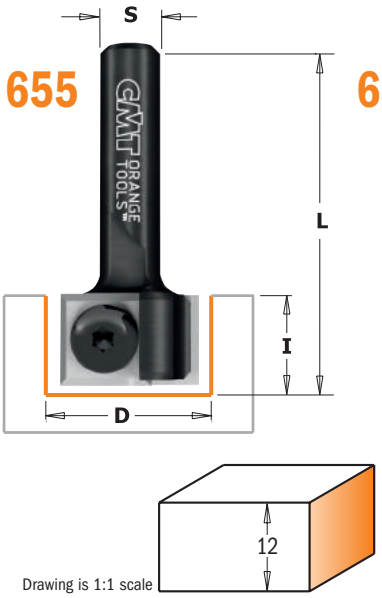
Drawings are 1:1 scale

D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	ORDER NO. S=Ø20mm
15,8	28,3	92	10			**653.158.11**	
15,8	48,3	112	10			**653.159.11**	
16	28,3	82	10	**653.160.11**			
16	28,3	92	10		**653.161.11**		**653.661.11**
16	48,3	111,5	10		**653.162.11**		**653.662.11**
18	48,3	111,5	10				**653.681.11**
20	48,3	111,5	10				**653.701.11**

Spare parts

790.283.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.483.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.283.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.283.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.483.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.483.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.483.12	990.074.00	990.075.00	790.096.00	990.072.00	991.061.00

Straight Router Bits with Insert Knives



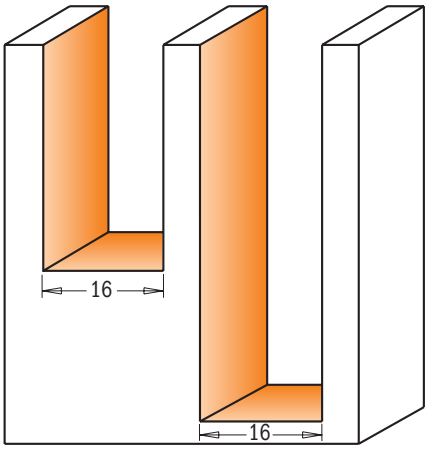
Drawing is 1:1 scale

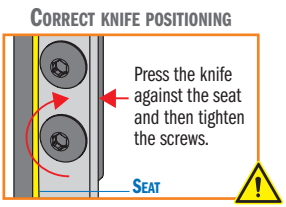
655

654

Straight router bit with two replaceable knives fixed by special Torx screws. The blades are sharpened at a 3° angle for better plunging operations.

INSERT CARBIDE · MEC · Z2 · RH · 2X LONGER LIFE



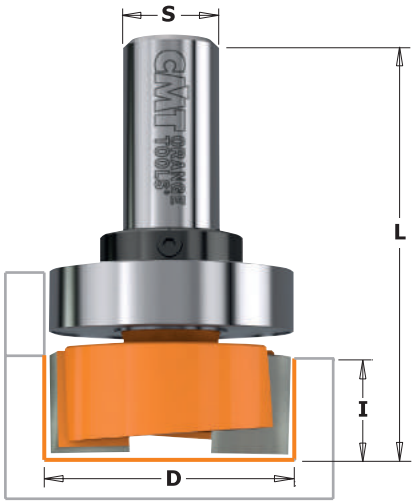


Drawings are 1:1 scale

D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	ORDER NO. S=Ø20mm
16	28,3	76	10	**654.160.11**			
16	28,3	87	10		**654.161.11**	**654.661.11**	
16	48,3	105	10		**654.162.11**		**654.662.11**
19	12	45	10	**655.190.11**			

Spare parts

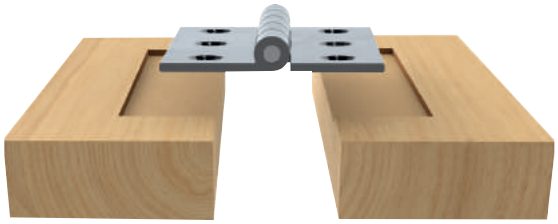
790.283.12	990.073.00	991.061.00
790.283.12	990.073.00	991.061.00
790.483.12	990.073.00	991.061.00
790.120.00	990.075.00	991.061.00



7/8/901B

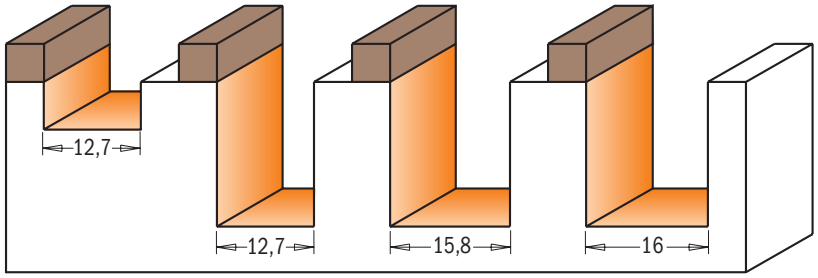
HW Z2 RH

Equipped with thick carbide tips and negative shear angle design, CMT mortising bits guarantee flawless performance. Mortise perfect hinges with no splintered edges or rough bottoms.
Mortising is a breeze on both natural wood and wood composites. Compatible with most mortising jigs. Complete with a top bearing guide, these bits are the perfect tool for sign making and template work.

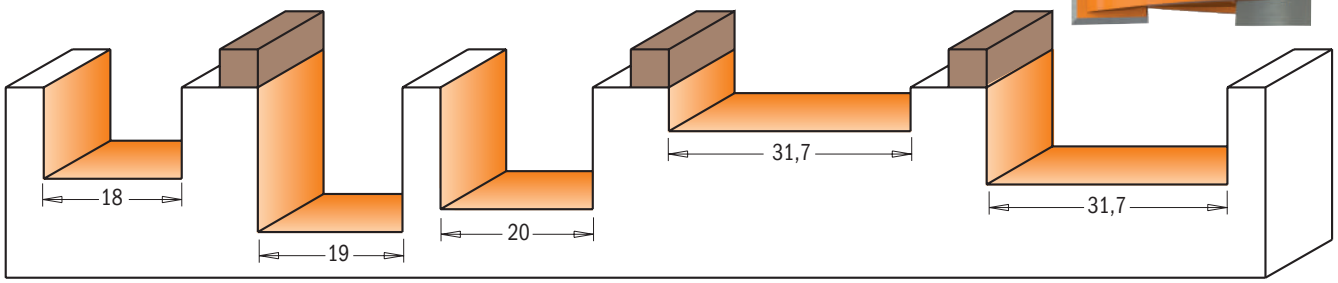


The CMT mortising bit is an essential tool for traditional hinge installation.

7/8/901



Drawings are 1:1 scale



D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12,7	6,35	41	10		**801.128.11**			
12,7	19	54	10	**701.127.11**	**801.127.11**	**901.127.11**		
12,7	19	60	10				**901.627.11**	**801.627.11**
15,8	19	57	10		**801.158.11**			
16	19	54	10	**701.160.11**		**901.160.11**		
18	16	48	10	**701.180.11**		**901.180.11**		
19	19	54	10	**701.190.11**	**801.190.11**	**901.190.11**		
19	19	57	10					**801.690.11**
20	16	48	10	**701.200.11**		**901.200.11**		
31,7	5,7	63	10					**801.818.11**
31,7	12,7	48	10		**801.317.11**			
31,7	12,7	54	10				**901.817.11**	**801.817.11**
With top bearing								
12,7	6,35	41	10		**801.128.11B**			
12,7	19	54	10		**801.127.11B**			
15,8	19	57	10		**801.158.11B**			
16	19	54	10			**901.160.11B**		
19	19	54	10	**701.190.11B**				
19	19	54	10		**801.190.11B**			
31,7	5,7	63	10					**801.818.11B**
31,7	12,7	54	10					**801.817.11B**

Spare parts

791.010.00	541.001.00	991.056.00
791.010.00	541.001.00	991.056.00
791.009.00	541.001.00	991.056.00
791.025.00	541.004.00	991.056.00
791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.015.00	541.002.00	991.056.00
791.015.00	541.002.00	991.056.00

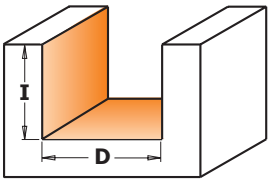
7/902

HW Z2 RH

CMT hinge recesser bits are ideal for shallow lateral routing cuts such as recessing hinges.

Shop tips: corners will require final square with a hand or a corner chisel.

Ideal for hinge recessing



Drawing is 1:1 scale

The special construction allows good chip clearance and plunging.

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø8mm
12	12	38	10	**702.120.11**	**902.120.11**
13	12	38	10	**702.130.11**	**902.130.11**
14	12	38	10	**702.140.11**	**902.140.11**
15	12	38	10	**702.150.11**	**902.150.11**
16	12	38	10	**702.160.11**	**902.160.11**
18	12	38	10	**702.180.11**	**902.180.11**
20	11	38	10	**702.200.11**	**902.200.11**
22	11	38	10	**702.220.11**	**902.220.11**
23	11	38	10	**702.230.11**	**902.230.11**
24	11	38	10	**702.240.11**	**902.240.11**
25	11	38	10	**702.250.11**	**902.250.11**

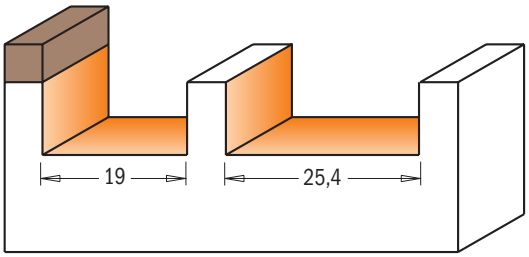
Dado & Planer Bits

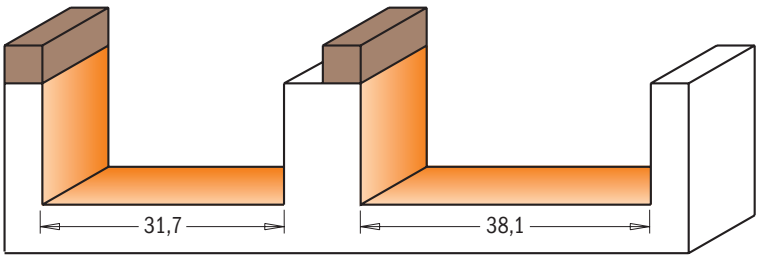
852B

852

HW Z2 RH

Thick carbide tips and downward shear angle provide exceptional performance and quality. The negative shear angle on the cutting edges push the wood fibers down as they cut. This means perfect hinge mortises, no splinterred edges or rough bottoms. Mortising is easy on both natural wood and wood composites. Our bits fit the most popular mortising jigs.



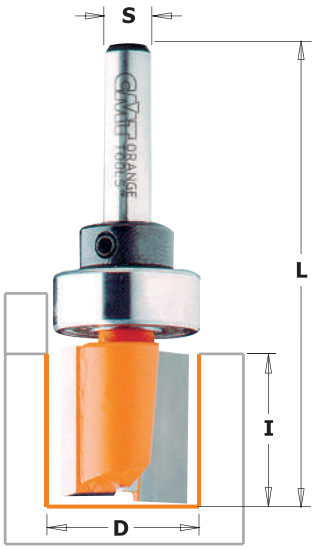


Drawings are 1:1 scale

D mm	I mm	L mm		ORDER NO. S=Ø6,35mm		ORDER NO. S=Ø12,7mm
19	9,5	57	10	**852.001.11**		
19	9,5	63,5	10			**852.501.11**
25,4	9,5	57	10			**852.502.11**
31,7	15,8	70	10			**852.503.11**
38,1	15,8	70	10			**852.504.11**
With top bearing						
19	9,5	57	10	**852.001.11B**		
19	9,5	63,5	10			**852.501.11B**
31,7	15,8	70	10			**852.503.11B**
38,1	15,8	70	10			**852.504.11B**

Spare parts

791.004.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00
791.015.00	541.002.00	991.056.00
791.020.00	541.002.00	991.056.00

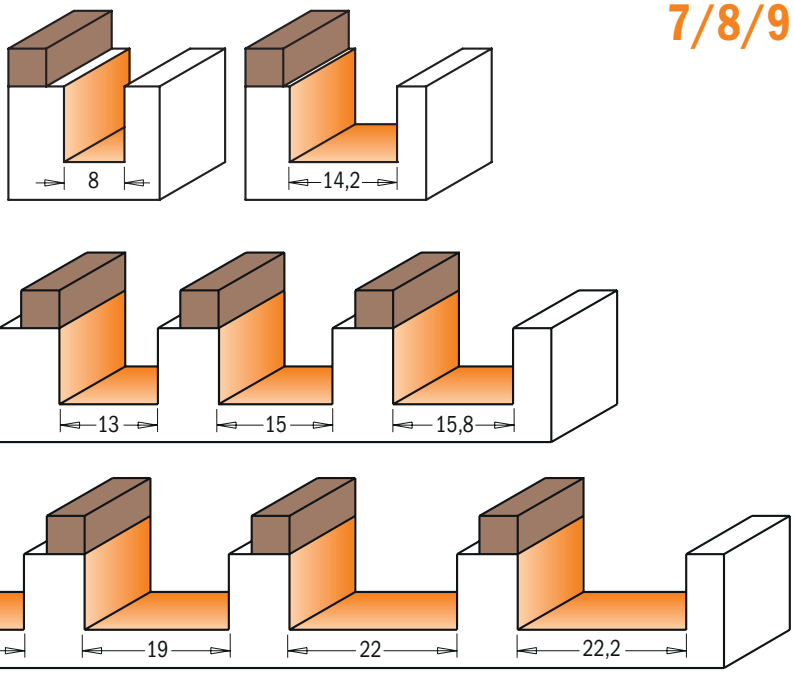


7/8/911B

HW Z2 RH

Whether you're a full-time professional woodworker or part-time woodworking enthusiast, the CMT pattern bit is a valuable tool providing unlimited template routing possibilities. Pair up these double-fluted bits with a template of your choice and produce distinctive cabinets, furniture pieces, signs, toys and personalize any other creative project.
Carbide tipped for long lasting performance, CMT pattern bits are also equipped with a top bearing providing you with a clear view throughout the routing process so you can work confidently and accurately.

SAFETY TIPS: make sure your router is in top condition. The template must be securely fastened to the workpiece.
When choosing a bit, carefully consider the thickness of the template and all the implications of the cut. Opt for the shortest bit possible for the project you are working on.



Drawings are 1:1 scale

7/8/912B

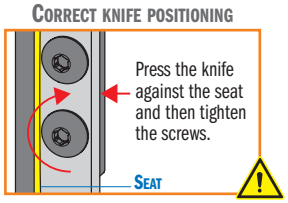
D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
■ 8	25,4	70	10		**811.081.11B**				791.010.00	541.001.00	991.056.00
12,7	19	57,2	10		**811.127.11B**				791.010.00	541.001.00	991.056.00
13	20	57	10	**711.130.11B**					791.023.00	541.003.00	991.056.00
14,2	14,2	57,2	10		**811.142.11B**				791.009.00	541.001.00	991.056.00
15	20	57	10	**711.150.11B**					791.024.00	541.003.00	991.056.00
15,8	12,7	58	10		**811.159.11B**				791.009.00	541.001.00	991.056.00
15,8	19	66,5	10		**811.158.11B**				791.009.00	541.001.00	991.056.00
16	20	57	10			**911.160.11B**			791.025.00	541.004.00	991.056.00
19	20	57	10	**711.190.11B**					791.007.00	541.003.00	991.056.00
19	20	57,2	10		**811.191.11B**				791.004.00	541.001.00	991.056.00
19	25,4	63,5	10					**811.690.11B**	791.011.00	541.002.00	991.056.00
22	20	57	10			**911.220.11B**			791.005.00	541.004.00	991.056.00
22,2	25,4	66,5	10					**811.222.11B***	791.021.00	541.006.00	991.056.00
Long Series											
12,7	31,7	70	10		**812.127.11B**				791.010.00	541.001.00	991.056.00
15	31,7	66,5	10	**712.150.11B**					791.024.00	541.003.00	991.056.00
15,8	31,7	70	10		**812.158.11B**				791.009.00	541.001.00	991.056.00
16	31,7	66,5	10			**912.160.11B**			791.025.00	541.004.00	991.056.00
19	38,1	82,5	10				**912.690.11B**		791.011.00	541.005.00	991.056.00
19	38,1	82,5	10					**812.690.11B**	791.011.00	541.002.00	991.056.00
19	50,8	92	10				**912.691.11B**		791.011.00	541.005.00	991.056.00
19	50,8	92	10					**812.691.11B**	791.011.00	541.002.00	991.056.00

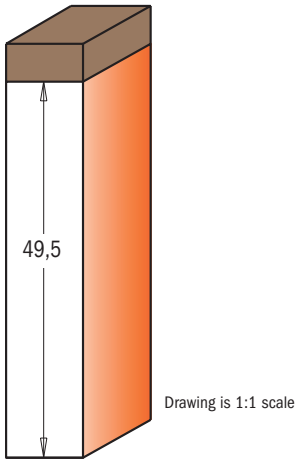
■ **This item requires a slightly larger bearing than its cutting diameter**
***Ø9,5mm shanks with Ø9,5/12,7mm bushings (799.001.00)**

652B

INSERT CARBIDE Z1 Z2 RH 2X LONGER LIFE

Straight router bits with a replaceable knife fixed by a Torx screw. An economical solution for specialized applications requiring low downtime. They are equipped with top bearing for template use. For routing, trimming and grooving in board materials (laminated chipboards, worktop panels, MDF).
For use on portable routers.





Drawing is 1:1 scale

D mm	I mm	L mm	Z		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	49,5	100	1	10	**652.690.11B**	**652.691.11B**
new 28,6	49,5	100	2	10		**652.787.11B**

Spare parts

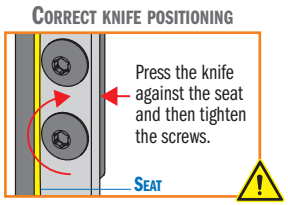
790.495.09	990.072.00	991.061.00	791.011.00	541.002.00	991.056.00
790.495.09	990.076.00	991.061.00	791.027.00	541.002.00	991.056.00

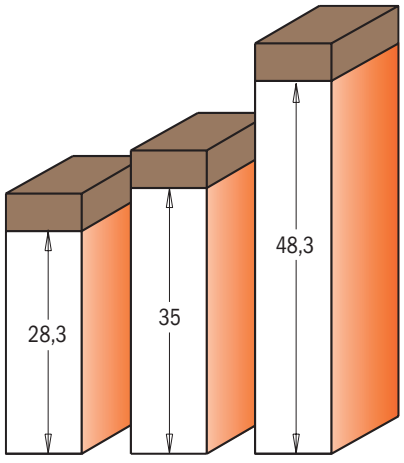
Pattern Router Bits with Insert Knives for Laminates

656

INSERT CARBIDE Z2 RH 2X LONGER LIFE

This bit type is equipped with top bearing for template use. For finishing, routing and grooving in board materials (laminated chipboards, MDF) and hardwood. For use on portable routers or CNC machining centres.





Drawings are 1:1 scale

D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
16	35	80	10	**656.160.11**		
19	28,3	69	10	**656.190.11**		
19	28,3	79	10			**656.691.11**
19	48,3	100	10		**656.692.11**	**656.693.11**

Spare parts

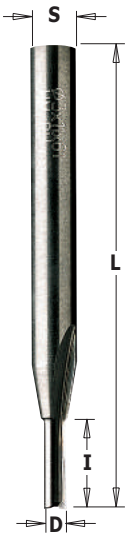
790.283.12	990.076.00	991.061.00	791.025.00	541.004.00	991.056.00
790.283.12	990.075.00	991.061.00	791.034.00	541.004.00	991.056.00
790.283.12	990.075.00	991.061.00	791.011.00	541.002.00	991.056.00
790.483.12	990.075.00	991.061.00	791.011.00	541.002.00	991.056.00

Weatherseal Bits

7/813.001

191.635

711.031

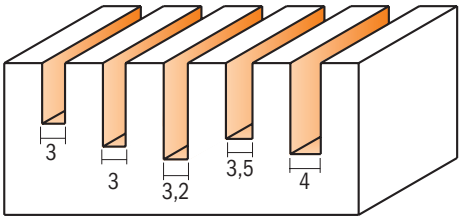


712.030
712.040
812.032

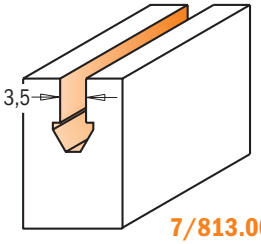
HWM Z2 RH

Make your house more energy efficient by insulating old doors and windows. A CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid carbide for strength and endurance.

Special double-sided design lets you save money by offering two tips in one bit; with the same features as the one-sided weatherseal bit. Only available with a 3mm (1/8") cutting diameter.



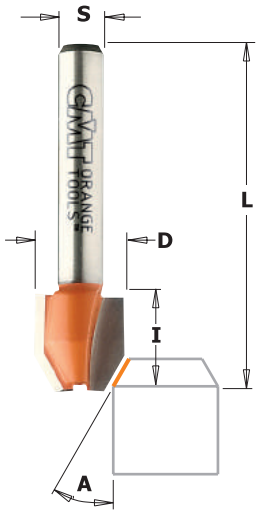
Drawings are 1:1 scale



7/813.001.11

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm
3	8	76	10	**711.031.11**	
3	11	60	10	**712.030.11**	
3,2	12,7	50,8	10		**812.032.11**
3,5	12	60	10	**191.635.11**	
4	12	60	10	**712.040.11**	
3,5	8	76	10	**713.001.11**	
3,5	8	63,5	10		**813.001.11**

Combination Trimmer Bits

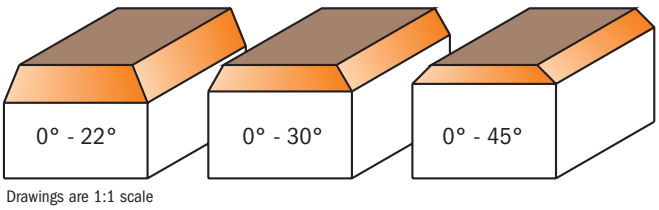


7/8/921

HW Z2 α RH

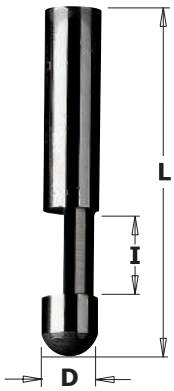
Work to your highest standards with the CMT combination trimmer bits. Now you can cut, trim and bevel all laminates without having to change the bit. Achieve great results when making straight or angled cuts on both soft and hard-wood.Three popular sizes, each with carbide-tipped cutting edges for efficient bevel and straight trimming.

NOTICE: these bits must be used with an edge, separate guide or fence.

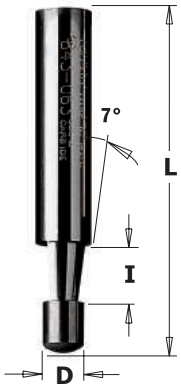


Drawings are 1:1 scale

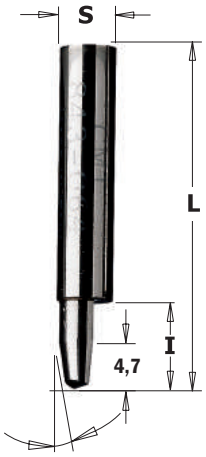
A	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm		
0° - 22°	12	12,7	44,5	10	**721.022.11**	**821.022.11**			
0° - 30°	12	12,7	44,5	10	**721.030.11**	**821.030.11**	**921.030.11**		
0° - 45°	12	12,7	44,5	10	**721.045.11**	**821.045.11**			



742.095
842.095



743.060
843.063



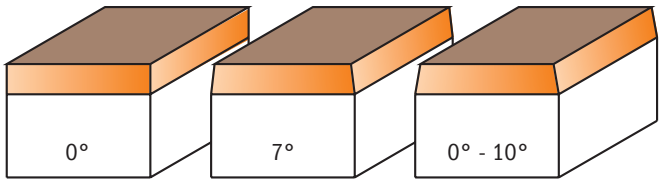
843.064

7/842 - 7/843

HWM Z1 RH

Work to your highest standards with CMT combination trimmer bits. Now you can cut, trim and bevel all laminates without having to change the bit. Achieve great results when making straight or angled cuts on both soft and hardwood. Three popular sizes, each with carbide-tipped edges guarantee efficient bevels and straight trimming.

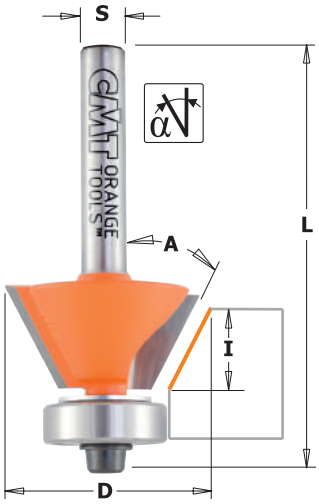
NOTICE: these bits must be used with an edge, separate guide or fence.



Drawings are 1:1 scale

A	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm
0°	6	9,5	38	10	**742.095.11**	
0°	6,35	9,5	38	10		**842.095.11**
7°	4,5 - 6	6	38	10	**743.060.11**	
7°	4,76 - 6,35	6,35	38	10		**843.063.11**
0° - 10°	6,35	9,5	38	10		**843.064.11**
50 pc. masterpack						
0°	6,35	9,5	38			842.095.11-X50
7°	4,76 - 6,35	6,35	38			843.063.11-X50

50 pc. masterpack



809.022
809.025
7/909.260
7/910.260

7/907 - 7/8/909 - 7/910

HW Z2 Z3 RH

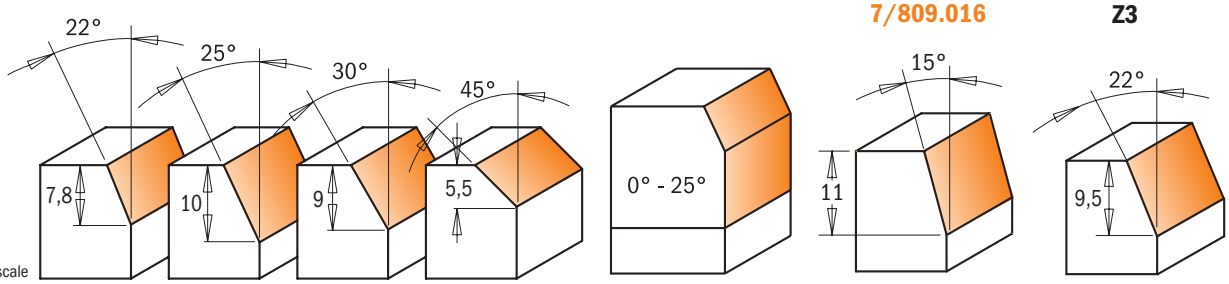
CMT's combination flush and bevel trim bits are perfect for executing superb precision finishing on laminates with ease. Achieve a great variety of angles without even changing the bit. Simply lower the bit cutting depth for precise right angle cuts or raise it to create rounded edges. Suitable for both soft and hardwood.
These bits include a ball bearing guide for easy template work and serve to protect your workpiece.
They feature two flutes for executing smoother cuts and for rounding off table legs and other soft areas on furniture susceptible to damage.

SHOP TIPS: **undersized bearing to use after resharpening.**
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening

7/907.210

7/809.016

809.023
Z3

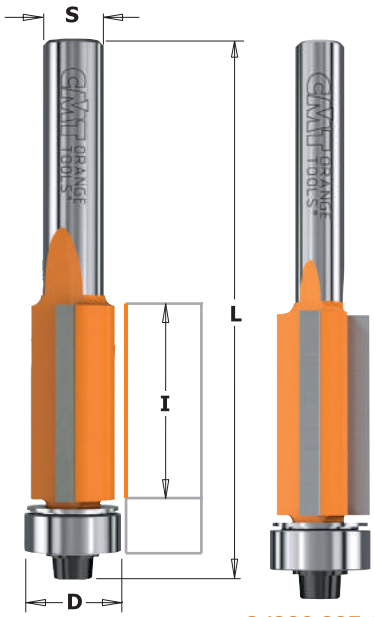


Drawings are 1:1 scale

A	D mm	I mm	L mm	Z		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
0° - 25°	19 - 24,5	16 (10+6)	56,5	2	10	**707.210.11**		**907.210.11**
15°	18,6	11	57	2	10	**709.016.11**	**809.016.11**	
22°	12,7	7,8	47,6	2	10		**809.022.11**	
22°	17,5	9,5	51	3	10		**809.023.11**	
25°	19,05	10	52,4	2	10		**809.025.11**	
30°	27	9	55	2	10	**709.260.11**		**909.260.11**
45°	27	5,5	51,5	2	10	**710.260.11**		**910.260.11**

Spare parts

	791.007.00	990.004.00	991.062.00
990.422.00	791.044.00	990.058.00	991.057.00
	791.035.00	990.062.00	991.060.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.423.00	791.018.00	990.058.00	991.057.00
990.423.00	791.018.00	990.058.00	991.057.00



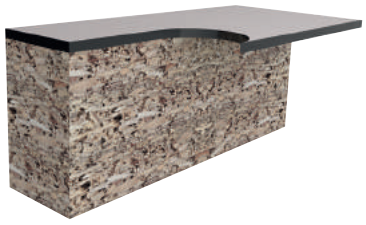
8/906.227.11
Z3

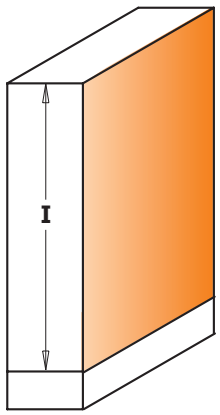
7/8/906

HWM HW Z2 Z3 RH

We have designed a series of truly indispensable bits available in a wide range of sizes for your woodworking needs. For precision work on laminates or quick template work with excellent finishing.

Shop tips: these bits are excellent for making through mortises. Use a straight bit (#711.130.11) to groove the through mortise area, then use the drill bit (#517.130.31) to bore a through hole at the end of the groove. Turn the workpiece over to end the mortise. Use the flush trim bit with a cutting length slightly longer than the fillet, following the groove made on the opposite side of the workpiece with the ball bearing guide.





Drawing is 1:1 scale

Masterpack

• **HWM**

I mm	D mm	L mm	α		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
•25,4	6,35	63,5	0°	10	**706.064.11**	**806.064.11**				791.035.00		990.113.00	541.009.00
12,7	9,5	55,5	0°	10	**706.096.11**	**806.096.11**	**906.096.11**			791.002.00	990.422.00	990.058.00	
12,7	12,7	57,8	-5°	10	**706.128.11**	**806.128.11**	**906.128.11**			791.003.00	990.423.00	990.058.00	
12,7	12,7	70,6	-5°	10				**906.628.11**	**806.628.11**	791.003.00	990.423.00	990.058.00	
16	19	57,1	-5°	10	**706.190.11**		**906.190.11**			791.007.00		990.004.00	
25,4	9,5	68,2	0°	10	**706.095.11**	**806.095.11**	**906.095.11**			791.002.00	990.422.00	990.058.00	
25,4	12,7	70,7	-3°	10	**706.127.11**	**806.127.11**	**906.127.11**			791.003.00	990.423.00	990.058.00	
25,4	12,7	71	0°	10		**806.227.11**	**906.227.11**			791.003.00	990.423.00	990.058.00	
25,4	12,7	86,6	-3°	10				**906.627.11**	**806.627.11**	791.003.00	990.423.00	990.058.00	
38,1	12,7	94	0°	10				**906.629.11**	**806.629.11**	791.003.00	990.423.00	990.058.00	
50,8	12,7	104	0°	10				**906.630.11**	**806.630.11**	791.003.00	990.423.00	990.058.00	
10 pc. masterpack													
25,4	9,5	68,2	0°			**806.095.11-X10**							
25,4	12,7	70,7	-3°			**806.127.11-X10**			**806.627.11-X10**				
38,1	12,7	94	0°						**806.629.11-X10**				

Spare parts

991.055.00	0,9mm hex key for screw (990.060.00)
991.057.00	3/32" hex key for screw (990.058.00)
991.062.00	2,5mm hex key for screw (990.004.00)

Shop tips: undersized bearing to use after resharpening.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

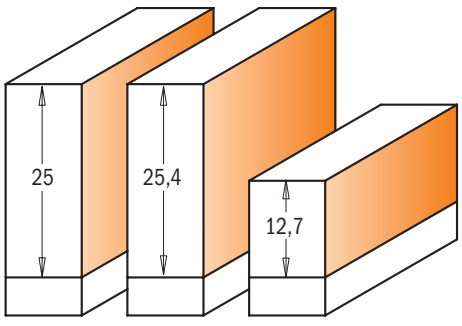
Flush Trim Bit Set

806

HW Z2 RH

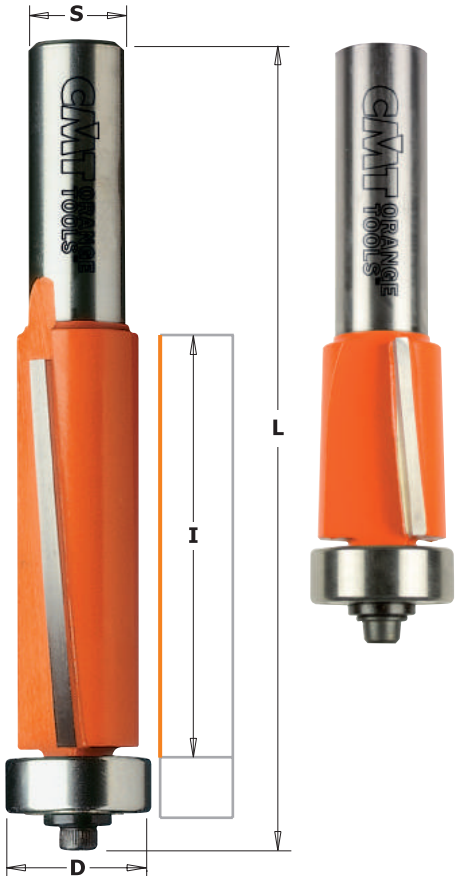
Indispensable in any shop, the new 3 piece flush trim bit set gives you the option to trim laminates or do template work conveniently.

Set contains:
806.095.11 - 806.096.11 - 806.191.11



Drawings are 1:1 scale

Description			ORDER NO. S=Ø6,35mm
Flush Trim Bit Set	9,5x12,7 - 9,5x25,4 - 19x25mm	5	**806.001.11**

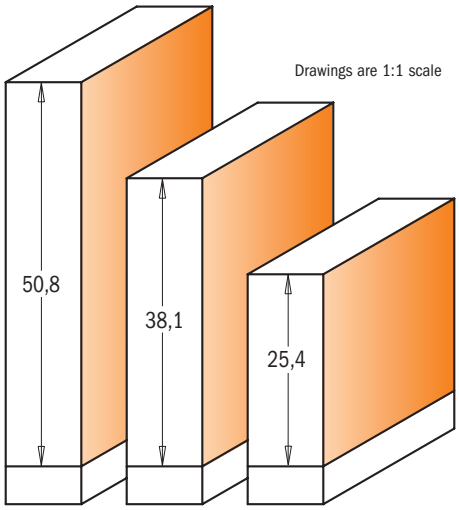


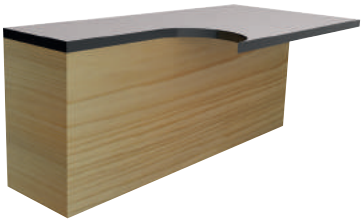
7/8/906

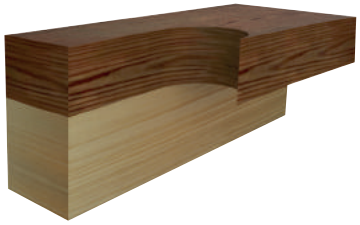
HW | α | Z2 | RH

These new super duty bits represent the finest in the extensive line of CMT flush trim bits with ball bearing guides. A negative shear angle cutting edge and 19mm cutting diameter set CMT flush trim bits apart from standard bits. Work quickly and safely to get superior finishing with absolute minimal chipping.

SAFETY TIPS: dust and chips from laminate materials are hazardous to your health and safety.
Always wear a dust mask and eye protection when routing.







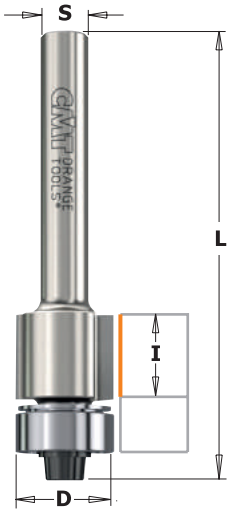
I mm	D mm	L mm	α		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
25,4	19	73,9	-5°	10	**706.191.11**	**806.191.11**	**906.191.11**		
25,4	19	86,5	-5°	10				**906.691.11**	**806.691.11**
38,1	19	92,9	-3°	10				**906.692.11**	**806.692.11**
50,8	19	109,5	-3°	10				**906.690.11**	**806.690.11**
70*	19	118,5	-3°	10				**906.693.11**	

Spare parts		
791.004.00	541.550.00	990.058.00
791.004.00	541.550.00	990.058.00
791.004.00	541.550.00	990.058.00
791.004.00	541.550.00	990.058.00
791.004.00	541.550.00	990.058.00

Spare parts **991.057.00** 3/32" hex key for screw (990.058.00)

* **Z2+1** Warning. Long cutting edges. Carefully make several shallow passes to prevent damaging the tool. The warranty does not cover improper use of the tool.

DP Flush Trim Bits for Laminates

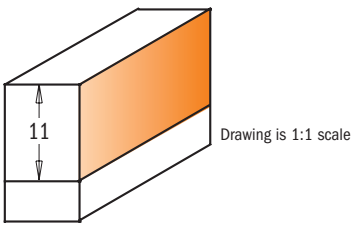


7/8/906 XTREME

DP | LONG LIFE | Z2 | RH | 40X LONGER LIFE THAN CARBIDE

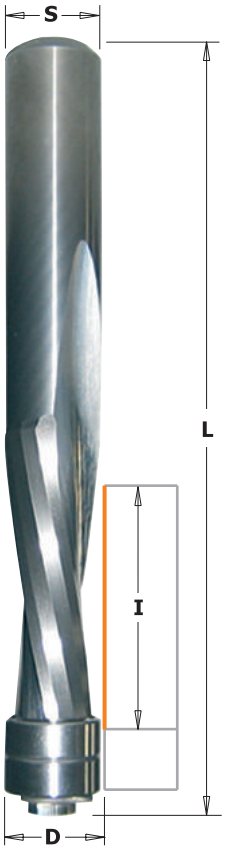
These new super duty DP (polycrystalline diamond) bits represent the ultimate in the extensive line of CMT flush trim bits. Investing in CMT DP flush trim bits means saving time and money, as they last 40 times longer than conventional carbide-tipped flush trim bits.

SHOP TIPS: **undersized bearing to use after resharpening.**
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening



I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
11	12,7	58,1	10	**706.128.61**	**806.128.61**	**906.128.61**

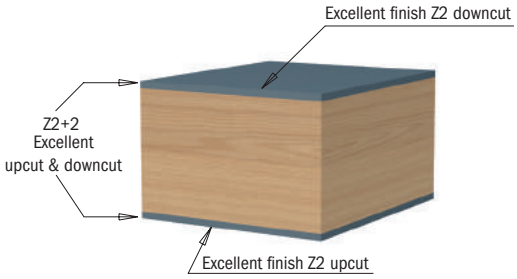
Spare parts			
990.423.00	791.003.00	990.058.00	991.057.00

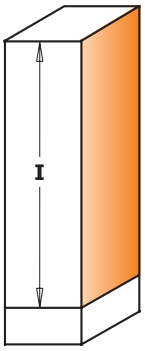


190B-191B-192B

HWM Z2 Z2+2 RH

CMT solid carbide spiral flush trim bits are composed of a special super-micrograin formulation increasing hardness with a higher transverse rupture point. Combined with a spiral cutting angle, CMT solid carbide spiral flush trim bits equipped with a double bearing, allow cabinet makers to shear wood and wood products cleanly, providing more efficient chip ejection than standard flush trim bits. In production settings, this means these bits will run cooler, stay sharper, last longer and increase shop productivity.

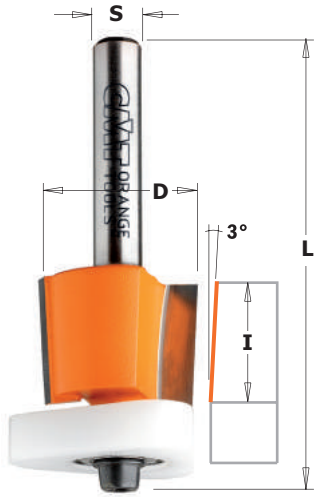




Drawing is 1:1 scale

I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts	
Z2+2 Upcut & Downcut									
47	12,7	114	10			**190.127.11B**	**190.508.11B**	791.010.00	541.301.00
Z2 Upcut									
25,4	6,35	76,2	10	**191.064.11B**	**191.008.11B**			791.035.00	541.009.00
31,7	12,7	89	10				**191.505.11B**	791.010.00	541.301.00
50,8	12,7	114	10			**191.127.11B**	**191.507.11B**	791.010.00	541.301.00
Z2 Downcut									
31,7	12,7	89	10				**192.505.11B**	791.010.00	541.301.00
50,8	12,7	114	10			**192.127.11B**	**192.507.11B**	791.010.00	541.301.00

3-in-1 Flush Trim Bits for MDF/Laminate



7/8/907

HW α Z2 RH

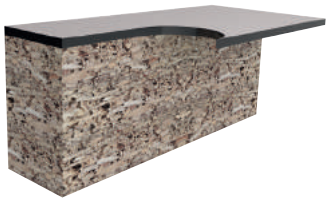
3 in 1 new flush trim bits with Delrin® Triangular bearings are your best partner for laminate trimming. In fact, it solves three of the most common problems that occur when flush trimming:

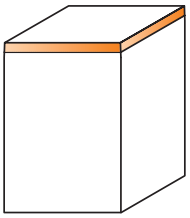
1) The anti-stick properties of the Delrin® bearing greatly reduces the likelihood of freezing of the bearing from glue.
2) The extended guide surface of the new Delrin® bearing will perfectly match the work surface without scratching like a steel bearing would. The Delrin® bearing also guarantees maximum stability.
3) The shear angle cutting edge reduces the need for filing. 3-in-1 bits are ideal on plastic laminates as well as aluminium laminates!

3-in-1 bits are ideal on plastic laminates as well as aluminium laminates!

Patent No. D628,218

- Extended guide surface
- Non-freezing
- Non-scratch surface



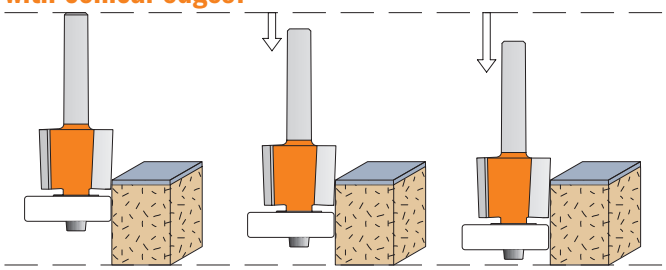


Drawing is 1:1 scale

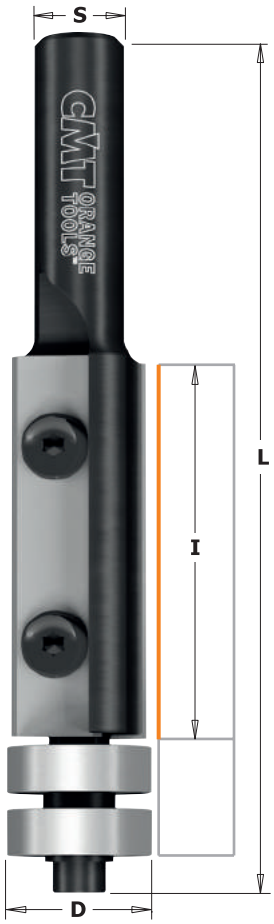
NON BLOCKING

Perfect trimming with conical edges!

Thanks to the innovative conical edges of this bit, you will always get perfect cuts even after re-sharpening. In fact, the most common problem you have with standard flush trim bits is the undersized diameter after re-sharpening which leaves a mark on the material; with the new CMT construction you could re-sharpen up to six times without any problem. Just remember to adjust your bit up or down as per the illustration.



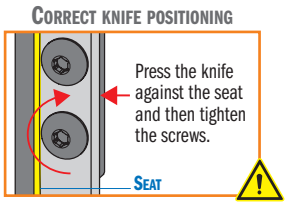
I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts			
12,7	12,7	54,2	10	**707.128.11**	**807.128.11**	**907.128.11**		990.422.00	791.042.00	990.058.00	991.057.00
15,87	19	59,3	10	**707.190.11**	**807.190.11**	**907.190.11**		990.423.00	791.043.00	990.058.00	991.057.00
15,87	19	65,7	10				**807.690.11**	990.423.00	791.043.00	990.058.00	991.057.00

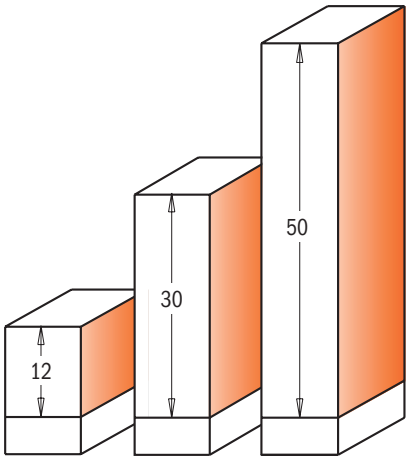


657.9

INSERT CARBIDE Z2 RH 2X LONGER LIFE

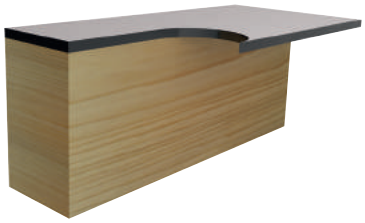
Flush trim bits with two replaceable knives fixed by special Torx screws.
The 2-sided blades can create extra new edges.
Guided flush trim bits type 657.1 are equipped with ball bearing guides.

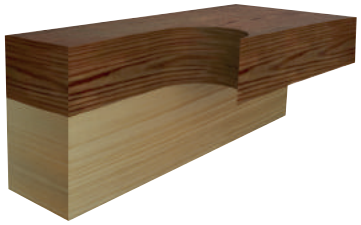




Drawings are 1:1 scale

657.1





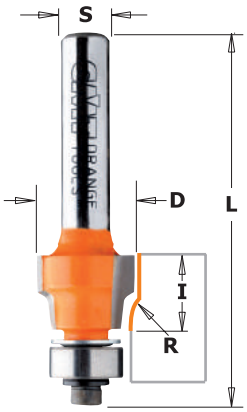
I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12	19	57	10	**657.194.11**	**657.192.11**	**657.190.11**		
new 30	16	75	10			**657.161.11**		
30	19	76	10	**657.195.11**				
30	19	77	10			**657.191.11**		
30	19	87	10					**657.692.11**
50	19	112	10				**657.991.11**	**657.992.11**

Spare parts			
790.120.00	990.075.00	991.061.00	791.007.00
790.295.09	990.115.00	991.061.00	791.006.00
790.300.00	990.075.00	991.061.00	791.007.00
790.300.00	990.075.00	991.061.00	791.007.00
790.300.00	990.075.00	991.061.00	791.007.00
790.500.00	990.075.00	991.061.00	791.007.00

Spare parts

990.400.00	Ø3.2/Ø7mm shield for M3 screw
990.410.00	Ø4,2/Ø9mm shield for M4 screws
990.051.00	M3x6mm TCEI screws
990.052.00	M4x6mm TCEI screws
991.067.00	3mm hex key
541.514.00	Ø6,4mm shield

FILE-FREE Flush Trim Bits for Laminate

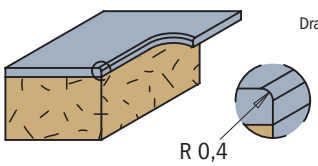


8/907

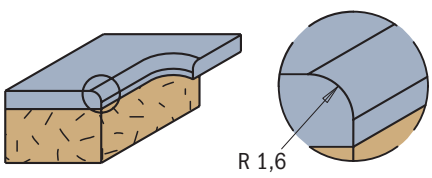
HW Z2 RH

This bit is perfect for ensuring smooth flawless results on your laminate surfaces after flush trimming.
Sharp edges are easily trimmed away, leaving your surfaces nice and smooth to the touch. No further filing is needed!

SHOP TIPS: **undersized bearing to use after resharpening.**
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening

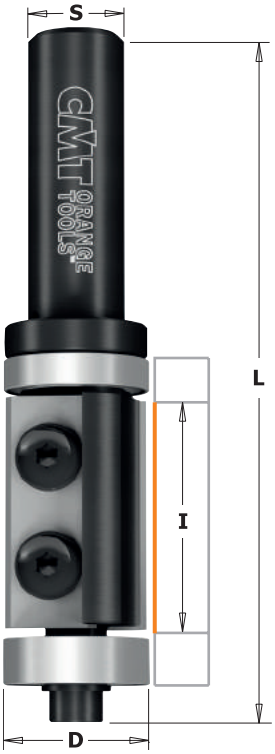


Drawings are 1:1 scale



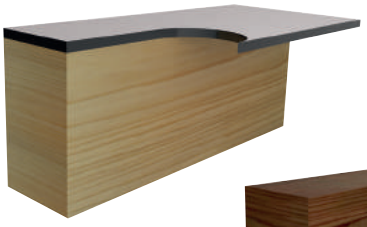
D mm	I mm	R mm	L mm		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
12,7	9,5	0,4	52	10	**807.004.11**	**907.004.11**
12,7	9,5	1,6	52	10	**807.015.11**	**907.015.11**

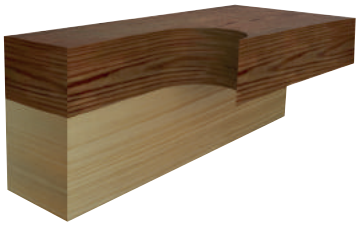
Spare parts			
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

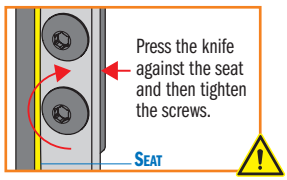


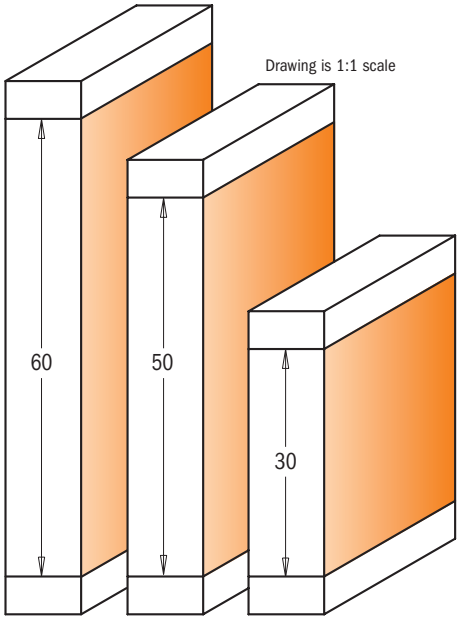
657B

A flush trim bit combined with a pattern bit and fixed with Torx screws. The blades are sharpened on both sides and can provide extra new edges. Guided flush trim bits type 657 are equipped with top and bottom ball bearing guides. Recommended for flush and finishing operations.







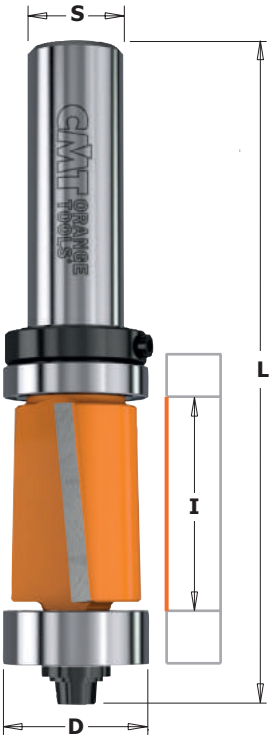


I mm	D mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
30	19	90	10	**657.191.11B**		
30	19	90	10			**657.692.11B**
50	19	110	10		**657.993.11B**	**657.994.11B**
60	19	120	10		**657.995.11B**	**657.996.11B**

Spare parts						
790.300.00	990.075.00	791.007.00	990.052.00	791.034.00	541.004.00
790.300.00	990.075.00	791.007.00	990.052.00	791.011.00	541.002.00
790.500.00	990.075.00	791.007.00	990.052.00	791.011.00	541.002.00
790.600.00	990.075.00	791.007.00	990.052.00	791.011.00	541.002.00

Spare parts

990.410.00 Ø4,2/Ø9mm shield for M4 screws
991.067.00 3mm hex key
991.061.00 T15 Torx key
991.056.00 1,5mm hex key

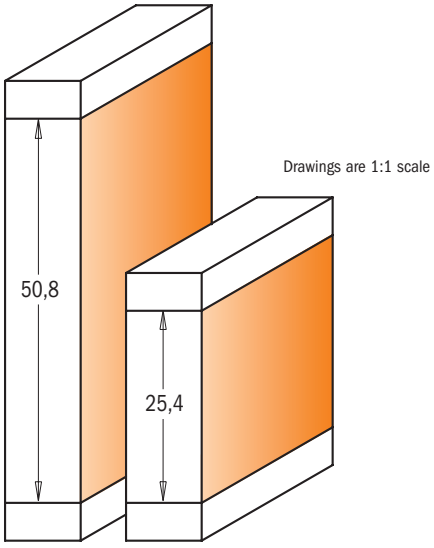


Flush Trim Router Bits with Double Bearing

806/906B

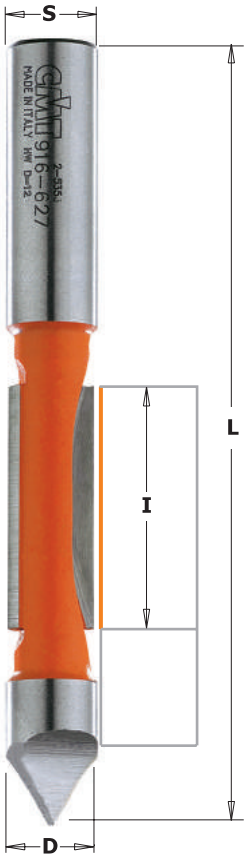
The innovative two-flute router bits are equipped with a double bearing and feature a down shear design allowing cleaner, smoother cuts on a variety of materials.

Now its no longer necessary to flip or move your tool during routing operations. This tool is particularly effective when routing curved elements along or against the grain.



I mm	D mm	L mm	α		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
25,4	19	86,5	-5°	10	**906.691.11B**	
25,4	19	86,5	-5°	10		**806.691.11B**
50,8	19	109,5	-3°	10	**906.690.11B**	
50,8	19	109,5	-3°	10		**806.690.11B**

Spare parts					
791.004.00	541.550.00	990.058.00	991.057.00	791.011.00	541.005.00
791.004.00	541.550.00	990.058.00	991.057.00	791.011.00	541.002.00
791.004.00	541.550.00	990.058.00	991.057.00	791.011.00	541.005.00
791.004.00	541.550.00	990.058.00	991.057.00	791.011.00	541.002.00



7/8/916

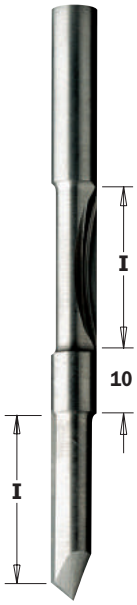
HWM HW Z1 Z1+1 Z2 RH

716.061

How much time do you end up spending making openings in paneling, drywall, siding, doors or windows? With the CMT panel pilot bit, the job just got quicker. The point plunges smoothly and easily and the carbide edges cut clean and fast. All of this adds up to accurate cuts in less time and with less effort - great for trimming veneer as well as a variety of laminates and HPL panels such as Formica®, Wilsonart®, Weiss®, FunderMax®.

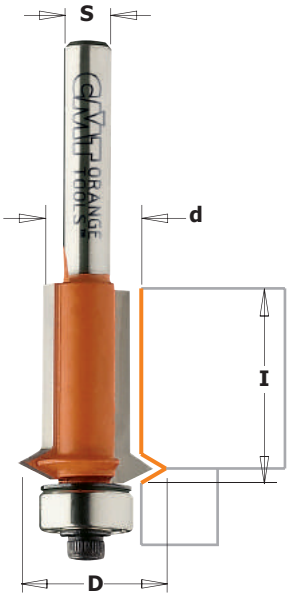
Safety Tips: always use extra caution when working near electrical outlets and boxes - always disconnect the current. Make sure the bit does not go so deep as to cut the wires.

Masterpack



• HWM

D mm	I mm	L mm	Z		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
6	19	64	1	10	**716.060.11**				
•6	19	60	1	10	**716.060.21**				
•6	18+18	70	1+1	10	**716.061.11**				
6,35	19	64	1	10		**816.064.11**			
8	19	64	1	10			**916.080.11**		
9,53	25,4	78	2	10		**816.095.11**			
12	31,7	102	2	10				**916.627.11**	
12,7	31,7	102	2	10					**816.627.11**
10 pc. masterpack									
12,7	31,7	102	2						**816.627.11-X10**



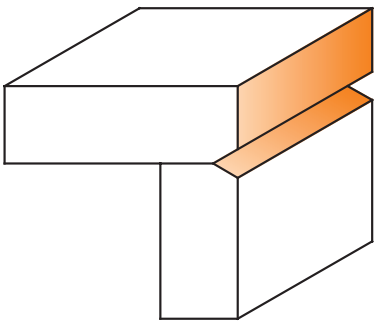
Panel Pilot Bits with Guide

7/8/953

HW Z2 RH

An absolutely indispensable bit for making cabinets. CMT Flush and V-Groove bits allow you to make cabinet front frames in 25mm stock that fit perfectly with the sides. The added V-cutter feature makes a decorative groove along the hinge joint to hide the seam.

Shop Tips: For best results, leave less than 3mm overhang on cabinet front frames for easier routing.



Drawing is 1:1 scale

d mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12,7	19	25,4	10	**753.001.11**	**853.001.11**	**953.001.11**	**953.501.11**	**853.501.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

8/935.503

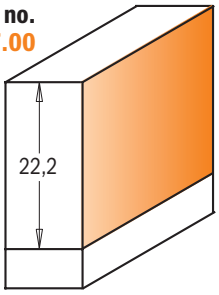
HW | Z2 | RH

"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will deliver years of reliable service under normal use. For safe and trouble-free results please observe the following instructions and safety precautions.
The complete kit (item code 835-935.503.11), will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications.
For rabbet sizes over 12,7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved.
Available in 12mm and 12,7mm shanks.

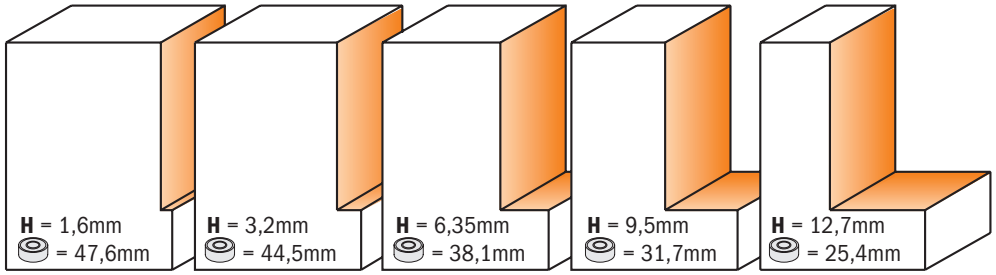
8/935.990

Drawings are 1:1 scale

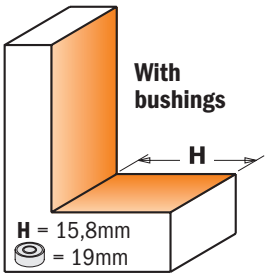
Collar order no.
799.517.00



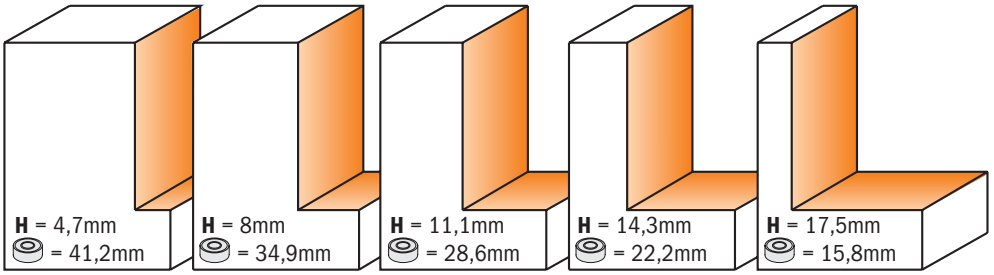
Order no. **791.705.00**



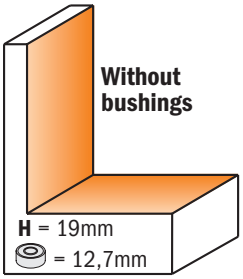
With bushings



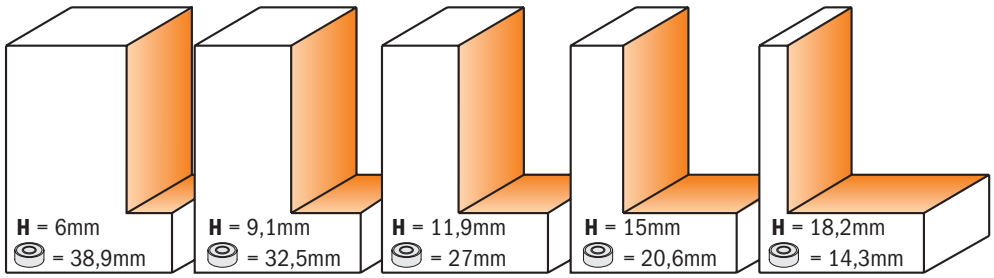
Order no. **791.706.00**



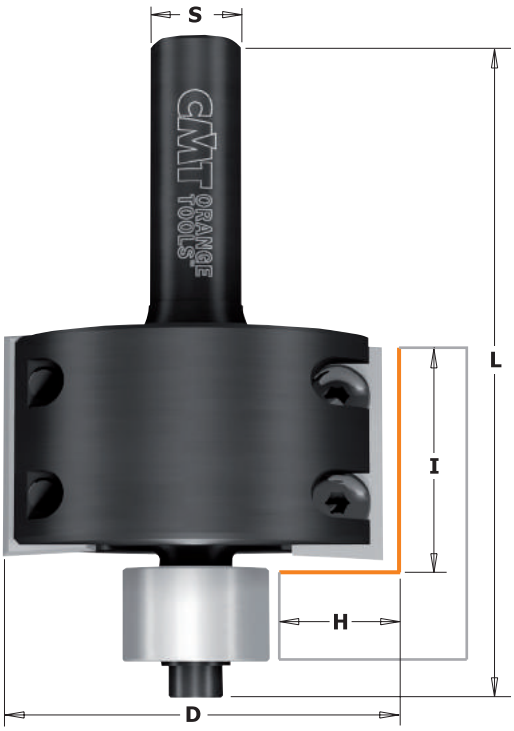
Without bushings



Order no. **791.707.00**



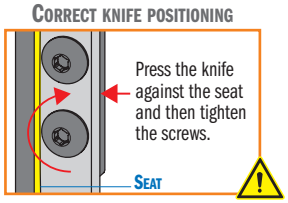
DESCRIPTION		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
The CMT Grand Rabbet Set (Ø50,8x22,2mm)	1	**935.503.11**	**835.503.11**
SET CONTAINS: The Grand Rabbet (bit only) with bushing Ø19mm		**935.990.11**	**835.990.11**
5 pcs. Bushing kits for bearing (H=1,6 - 3,2 - 6,35 - 9,5 - 12,7mm rabbets)			**791.705.00**
5 pcs. Bushing kits for bearing (H=4,7 - 8 - 11,1 - 14,3 - 17,5mm rabbets)			**791.706.00**
5 pcs. Bushing kits for bearing (H=6 - 9,1 - 11,9 - 15 - 18,2mm rabbets)			**791.707.00**
Bushing Ø50,8mm			**799.517.00**
Kit with screw, shields and keys			**990.452.00**

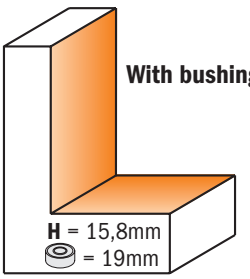


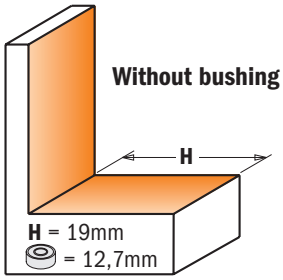
660.9

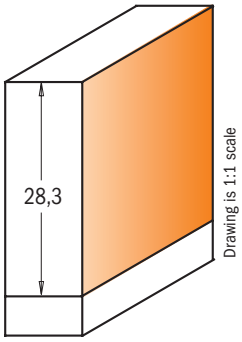
INSERT CARBIDE · Z2 · RH · 2X LONGER LIFE

"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will deliver years of reliable service under normal use. The collar sets (791.705.00-791.706.00-791.707.00) will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications. For rabbet sizes over 12,7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved. Available in 12mm and 12,7mm shanks.









Collar order no.
799.517.00

H mm	D mm	I mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
16	50,8	28,3	86	10	**660.990.11**	**660.991.11**

Spare parts

790.283.12	990.075.00	991.061.00	791.010.00

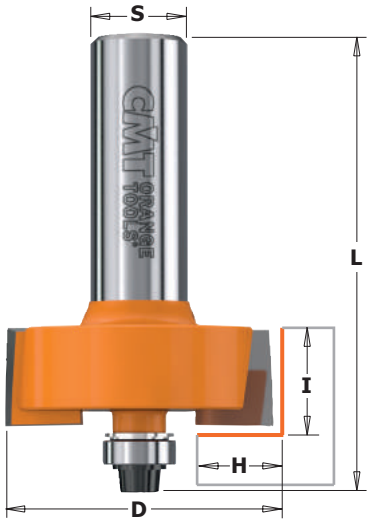
Spare parts

541.514.00	Ø6,4mm stop collar
799.503.00	Ø19,05mm bushings
990.410.00	Ø4.2/Ø9mm shield for M4 screw
990.052.00	M4x6mm TCEI screw
991.067.00	3mm hex key
990.469.00	Kit screw, shield and key

Optional

799.517.00	Bushing for flush trim Ø50,8mm
791.705.00	5 pcs. bushing set (H=1,6-3,2-6,35-9,5-12,7mm rabbets)
791.706.00	5 pcs. bushing set (H=4,7-8-11,1-14,3-17,5mm rabbets)
791.707.00	5 pcs. bushing set (H=6-9,1-11,9-15-18,2mm rabbets)

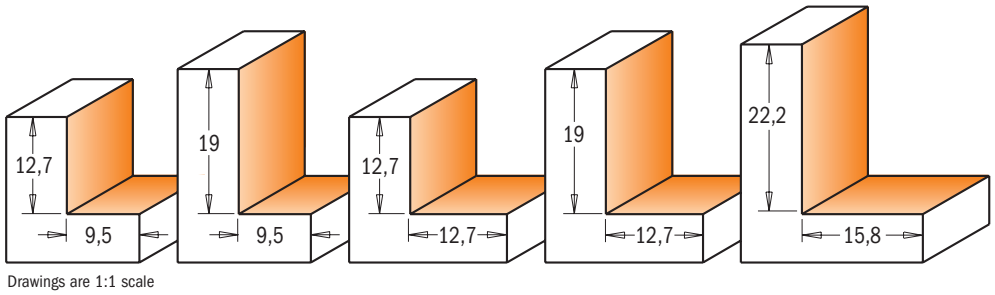
Rabbeting Bits



7/8/935

HW · Z2 · RH

CMT carbide-faced rabbeting bits are fast and accurate - you can quickly produce inset doors and drawer fronts, make strong rabbet joints, mill perfect tongue and groove joints or any number of other jobs usually time consuming and difficult.
You can even re-groove old window frames to fit insulated glass panes with the extra long CMT 19mm (3/4") rabbeting bit. Other possibilities are illustrated below and on the following pages. Look at our slot cutters and round over bits for ideas on how to put extra finishing touches on all your grooving and rabbeting projects.



Drawings are 1:1 scale

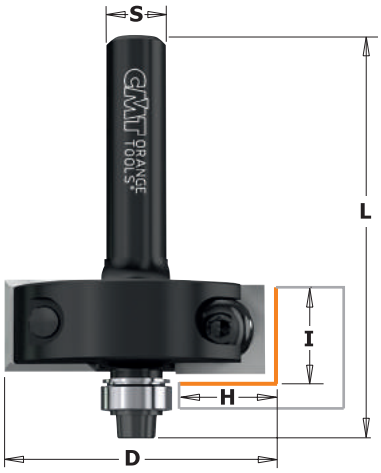
H mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
9,5	31,7	12,7	58,4	10	**735.317.11**	**835.317.11**	**935.317.11**		
9,5	31,7	12,7	61,2	10				**935.817.11**	**835.817.11**
9,5	31,7	19	64,8	10	**735.318.11**		**935.318.11**		
12,7	34,9	12,7	59,4	10	**735.350.11**	**835.350.11**	**935.350.11**	**935.850.11**	**835.850.11**
12,7	34,9	19	65,8	10				**935.851.11**	**835.851.11**
15,8	50,8	22,2	77,8	10				**935.990.11**	**835.990.11**

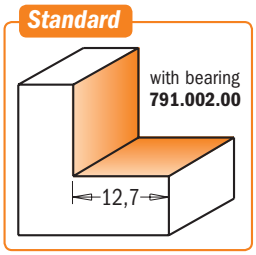
Spare parts

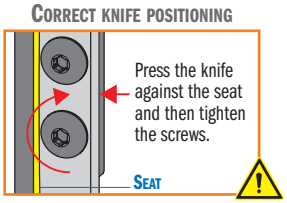
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.422.00	791.002.00	990.058.00
990.422.00	791.002.00	990.058.00
990.408.00	791.010.00	990.058.00

Spare parts

991.057.00	3/32" hex key
799.503.00	19,05mm bushings
541.514.00	2mm spacer (8/935.990.11)







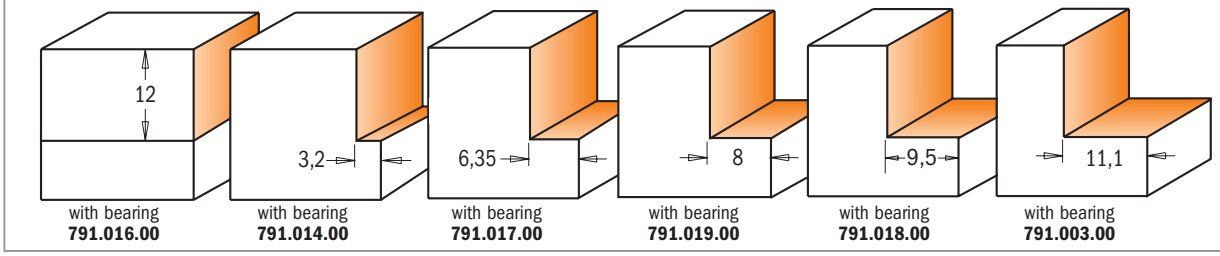
660

INSERT CARBIDE · Z2 · RH · 4X LONGER LIFE

Rabbeting bits with two replaceable knives fixed by special Torx screws. The knives are sharpened on all 4 sides and increase efficiency when working with board materials. Rabbeting bits are equipped with ball bearing guides for rabbeting width H= 12,7mm. For chipboards, hardwood or MDF; for use on portable routers.

791.703.00 *Optional*

With this kit **791.703.00** *you can obtain all cutting depth below.*



H mm	D mm	I mm	L mm		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
12,7	34,9	12	55	10	**660.351.11**	**660.350.11**	
12,7	34,9	12	65	10			**660.851.11**

Spare parts

790.120.00	990.075.00	991.061.00
790.120.00	990.075.00	991.061.00

Spare parts **791.002.00** Ø4,76/Ø9,5mm bearing · **990.422.00** Ø4,76/Ø9,5mm shield · **990.058.00** 1/8"x3/8"x1/2" TCEI screw · **990.057.00** 3/32" hex key

Rabbeting Sets

7/8/935.001

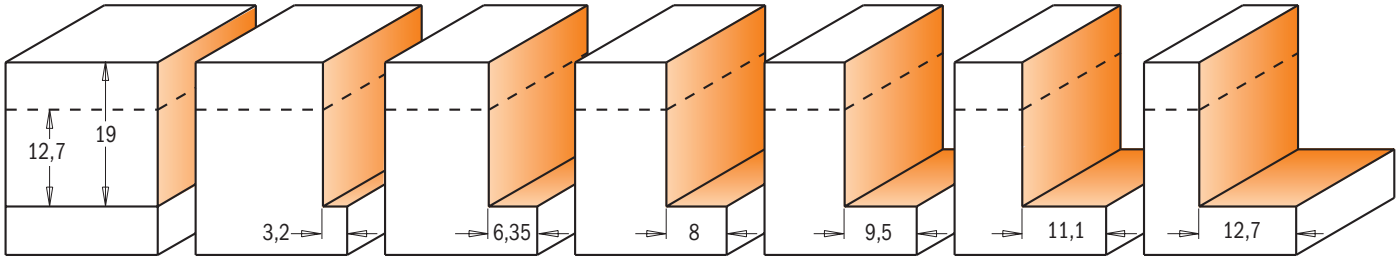
HW · Z2 · RH

CMT rabbeting sets allow you to make a limitless number of cuts by adjusting the cutting height on your router and changing the bearing on the bit. Every kit includes one rabbeting bit, 6 interchangeable ball bearing guides, fastening screws, shields and an Allen Key. In order to change cutting depth, substitute the bearing.

791.703.00

BE SURE to keep the black bearing washer right side up to correspond with the bearing rotation when re-assembling the bearing. Improper re-assembly can cause the screw to come loose. Each set comes complete with one rabbeting bit and 6 interchangeable ball bearing guides.

Drawings are 1:1 scale



H mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
0-12,7	34,9	12,7	5	**735.001.11**	**835.001.11**	**935.001.11**	**935.501.11**	**835.501.11**
0-12,7	34,9	19	5				**935.502.11**	**835.502.11**

Spare parts **791.002.00** Ø4,76/Ø9,5mm bearing · **990.422.00** Ø4,76/Ø9,5mm shield · **990.058.00** 1/8"x3/8"x1/2" TCEI screw · **990.057.00** 3/32" hex key

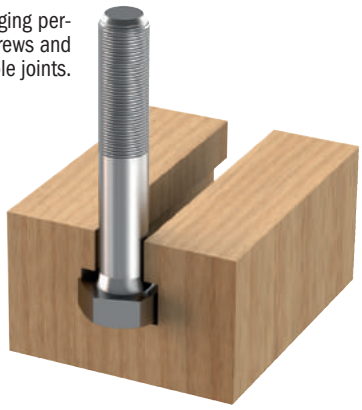
7/8/950.0

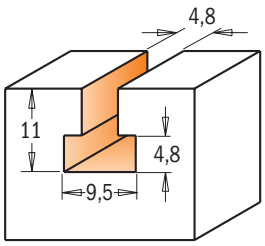
HW Z1 Z2 RH

With the CMT keyhole bit you can make holes that keep your frames, plaques or any wall hanging perfectly straight and attached to the wall. The perfect way to securely mount wall hangings on screws and nails. Three new bits available to create slots for M5, M6, M8 hexagonal head bolt for removable joints.

Safety Tips: Be sure the workpiece is securely fastened to the router table or work bench.

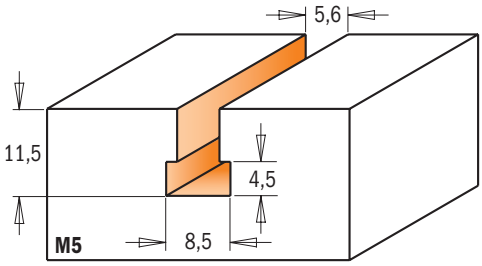
Shop Tips: Recommended for use with a plunge router.



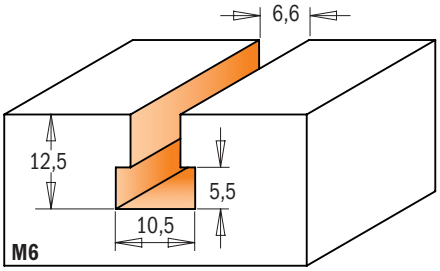


7/8/950.001.11

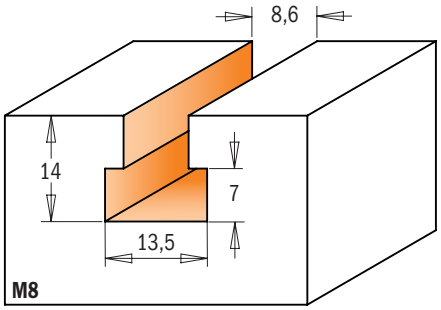
Drawing is 1:1 scale



950.002.11



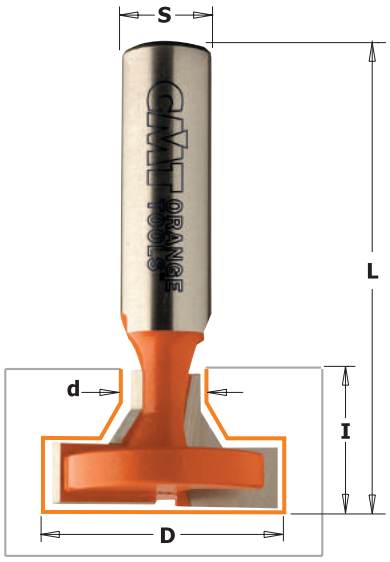
950.003.11



950.004.11

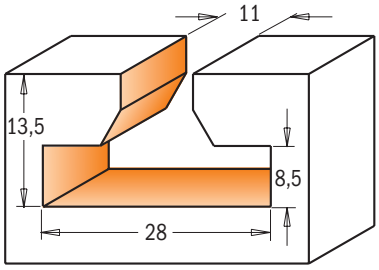
	D mm	d mm	I mm	L mm	Z			ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
new	8,5	5,6	11,5	47	1	M5	10			**950.002.11**		
	9,5	4,8	11	54	2		10	**750.001.11**	**850.001.11**	**950.001.11**	**950.501.11**	**850.501.11**
new	10,5	6,6	12,5	48	1	M6	10			**950.003.11**		
new	13,5	8,6	14	49	1	M8	10			**950.004.11**		

T-Slot Bits

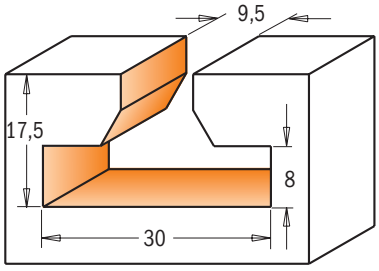


8/950.6

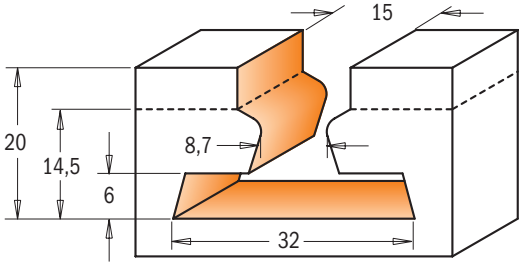
HW Z2 Z1+1 RH



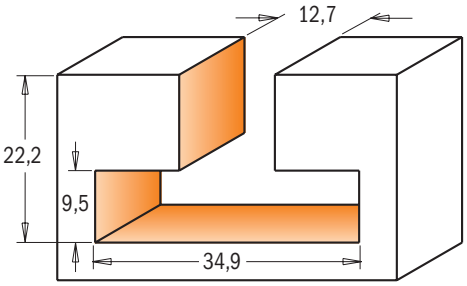
8/950.603



8/950.601



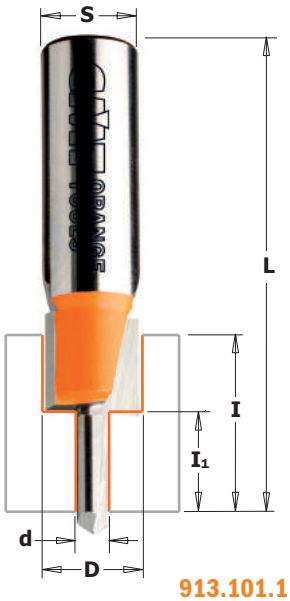
950.604



8/950.602

Drawings are 1:1 scale

D mm	d mm	I mm	L mm	Z					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
28	11	13,5	56,3	2	10				**950.603.11**	**850.603.11**
30	9,5	17,5	60,3	2	10				**950.601.11**	**850.601.11**
32	8,7-15	20	66	1+1	10				**950.604.11**	
34,9	12,7	22,2	63,5	2	10				**950.602.11**	**850.602.11**

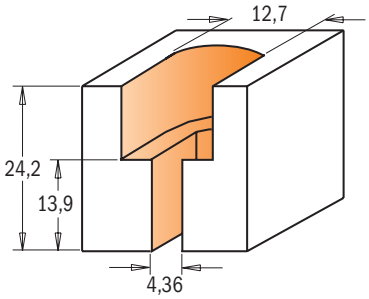


913.101.11
813.601.11

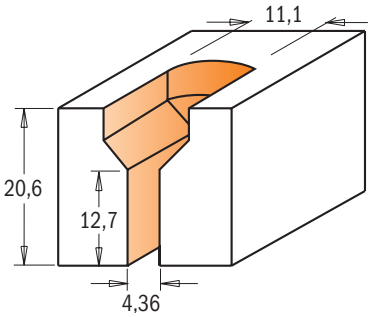
8/913

HW Z2 RH

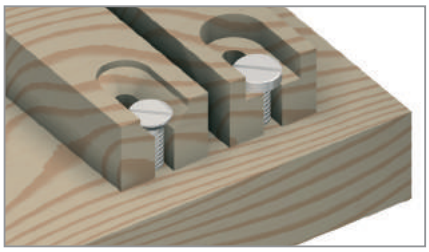
Any large panel or table top should be secured in a way that allows it to expand or contract without splitting.
These screw-slot bits let you create screw slots so that panels can be held in place but are able to slide back and forth without splitting the wood or breaking the screw securing them.



Drawing is 1:1 scale

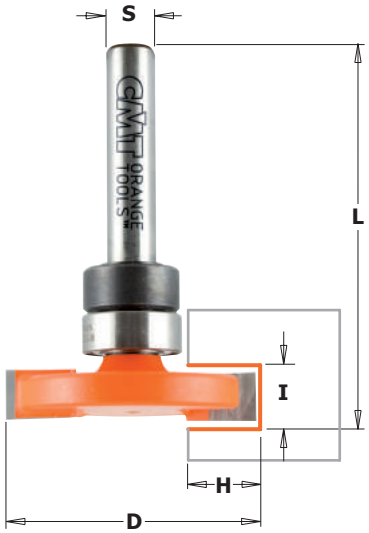


913.201.11
813.701.11



D mm	d mm	l_1 mm	l mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
11,1	4,36	12,7	20,6	63,5	10	**913.201.11**	**813.701.11**
12,7	4,36	13,9	24,2	63,5	10	**913.101.11**	**813.601.11**

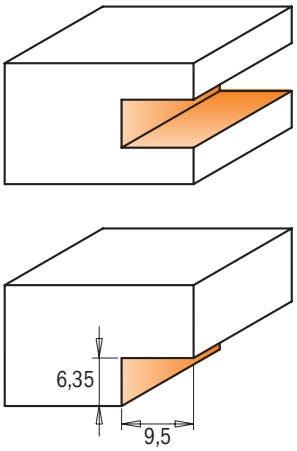
Flooring Router Bits



822.023B - 822.024B

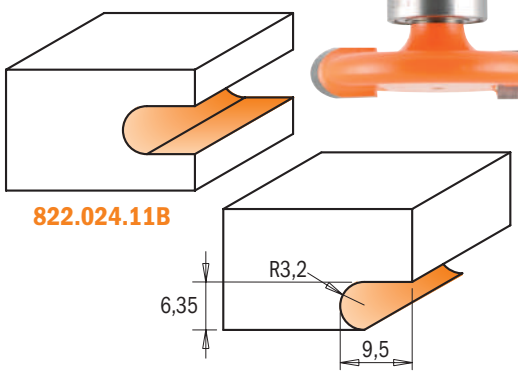
HW Z2 RH

CMT now offers you these industrial quality carbide-tipped router bits for flooring and inlay applications. They easily and smoothly run through solid and timber wood while cutting edges and remain sharp even after several passes 822.024.11B item number also features rounded edges to produce 3,2mm (1/8") radius inlays.
These bits are equipped with a stop collar and a bearing.



822.023.11B

Drawings are 1:1 scale



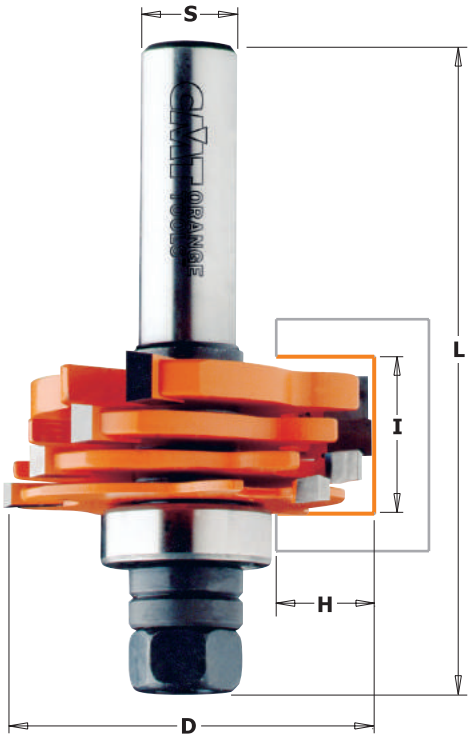
822.024.11B

D mm	I mm	H mm	R mm	L mm		ORDER NO. S=Ø6,35mm
31,75	6,35	9,5		47,6	10	**822.023.11B**
31,75	6,35	9,5	3,2	47,6	10	**822.024.11B**

Spare parts

791.010.00	541.001.00	990.005.00	991.056.00
791.010.00	541.001.00	990.005.00	991.056.00

Three Wing Slot Cutter Set



8/900.506

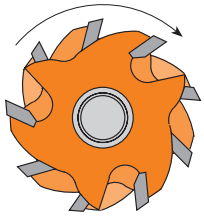
HW Z3 RH

Create slots, grooves and rabbets in materials from 3,2mm to 18mm in depth by using the adjustable CMT Three Wing slot cutter set. See chart below for details on spacing and correct cutter combinations. Ideal for biscuit joints and milling perfect tongue and groove joints.
This set includes:
- 4 carbide tipped cutters 3,2mm, 4mm, 4,8mm, 6,4mm
- 1 arbor 12mm or 12,7mm
- 1 ball bearing (22mm) for 12,7mm cut
- 17 shims: (8x0,1mm - 4x0,5mm - 3x1mm and 2x4mm)

SAFETY TIPS: never use the slot cutter set without shims between the cutters.
The distance between the cutters can vary from 1mm to 1,7mm. A shim must also be positioned between the ball bearing and the cutters.

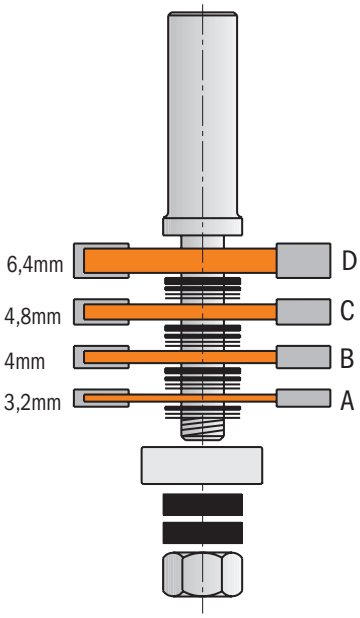
SHOP TIPS: the bearings kit 791.711.00 makes 6,35mm and 9,5mm cutting depths.

NOTE: The carbide edges of the cutters should never touch; arrange the shims as illustrated below. Use only the thicknesses provided in the set. Be sure all cutters are assembled in the proper right rotational direction below. Looking down the arbor the cutters will turn clockwise.



Cutter combinations	Cutter height mm		mm
A	3,2		
B	4		
C	4,8		
D	6,4		
A + B	6,4	a	7,1
A + C	7,2	a	7,9
A + D	8,8	a	9,5
B + C	8	a	8,7
B + D	9,6	a	10,3
C + D	10,4	a	11,1
A + B + C	10,4	a	11,8
A + B + D	11,9	a	13,3
A + C + D	12,7	a	14,1
B + C + D	13,5	a	14,9
A + B + C + D	15,9	a	18

Use shims to adjust cut width: MIN.1mm - MAX 1,7mm



I mm	D mm	H mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
3,2-18	47,6	12,8	81	10	**900.506.11**		924.128.00	791.005.00	990.020.00
3,2-18	47,6	12,8	81	10		**800.506.11**	824.128.00	791.005.00	990.020.00

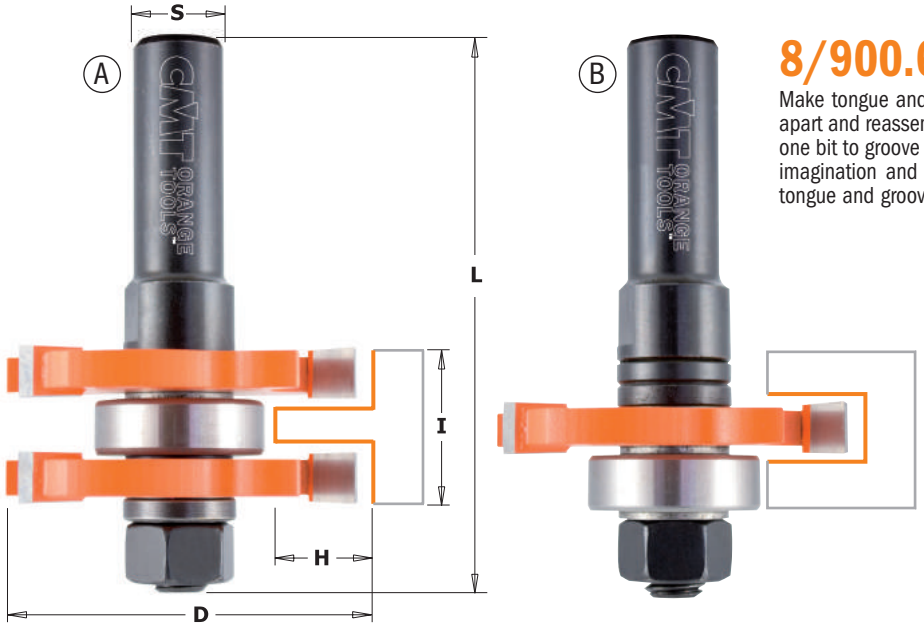
Spare parts

541.515.00	0,1mm spacer
541.517.00	0,5mm spacer
541.518.00	1mm spaceer
541.501.00	4mm spacer

Optional

791.711.00 Kit with two 28,5mm and 34,9mm bearing for slot cutter

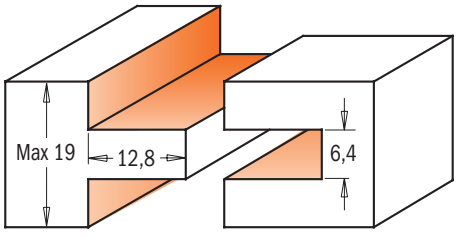
Tongue & Groove Set



8/900.626

HW Z3 RH

Make tongue and groove joints without the complicated process of taking apart and reassembling bits. The new CMT tongue and groove set gives you one bit to groove the slot and a separate bit to mill the tongue. Or use your imagination and put them to work individually on other projects. Makes tongue and groove cuts in wood up to 19mm thickness.

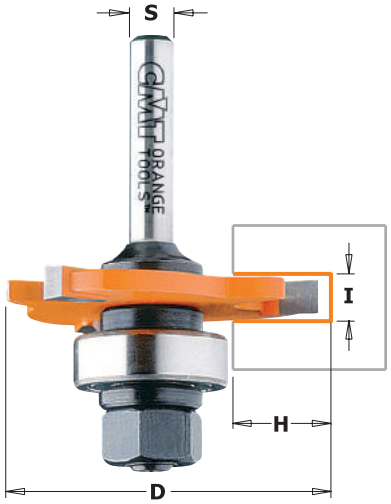


Drawings are 1:1 scale

PROFILE	I mm	D mm	H mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
A+B	19	47,6	12,8	71	5	**900.126.11**			924.083.00	791.005.00	822.364.11	990.020.00
A+B	19	47,6	12,8	71	5		**900.626.11**		924.131.00	791.005.00	822.364.11	990.020.00
A+B	19	47,6	12,8	71	5			**800.626.11**	824.131.00	791.005.00	822.364.11	990.020.00
A	19	47,6	12,8	71	10			**800.626.11M**	824.131.00	791.005.00	822.364.11	990.020.00

Spare parts

541.515.00	0,1mm spacer	**541.518.00**	1mm spacer
541.516.00	0,3mm spacer	**541.500.00**	3mm spacer
541.517.00	0,5mm spacer		

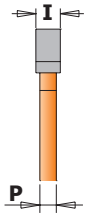


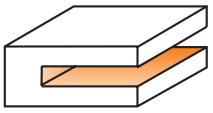
7/8/922A/B

HW Z3 RH

Uses for the CMT three wing slot cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints.
Every cutter features anti-kickback design, micrograin carbide tips and CMT's trademark orange non-stick PTFE coating. CMT slot cutters are available as a blade only or with your choice of a 6, 8, 12, 6,35 or 12,7mm diameter arbor which includes a 22mm diameter bearing for a cutting depth of up to 12,7mm.

NOTE: For biscuit joints, use I=4mm slot cutter.





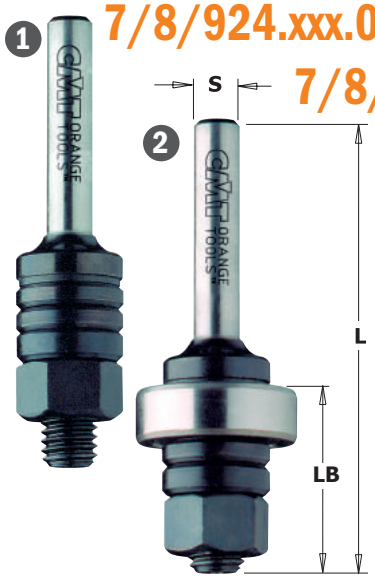
Drawing is 1:1 scale

I mm	P mm	D mm	H mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
1,5	1,07	47,6	12,8	10	**722.315.11A**		**922.315.11A**	**922.315.11B**	
1,6	1,07	47,6	12,8	10		**822.316.11A**			**822.316.11B**
2	1,27	47,6	12,8	10	**722.320.11A**	**822.320.11A**	**922.320.11A**	**922.320.11B**	**822.320.11B**
2,4	1,27	47,6	12,8	10		**822.324.11A**			**822.324.11B**
2,5	1,27	47,6	12,8	10	**722.325.11A**		**922.325.11A**	**922.325.11B**	
3	1,27	47,6	12,8	10	**722.330.11A**		**922.330.11A**	**922.330.11B**	
3,2	1,27	47,6	12,8	10		**822.332.11A**			**822.332.11B**
3,5	2,07	47,6	12,8	10	**722.335.11A**		**922.335.11A**	**922.335.11B**	
4	2,07	47,6	12,8	10	**722.340.11A**	**822.340.11A**	**922.340.11A**	**922.340.11B**	**822.340.11B**
4,8	2,86	47,6	12,8	10		**822.348.11A**			**822.348.11B**
5	2,86	47,6	12,8	10	**722.350.11A**		**922.350.11A**	**922.350.11B**	
6	4,45	47,6	12,8	10	**722.360.11A**	**822.360.11A**	**922.360.11A**	**922.360.11B**	**822.360.11B**
6,4	4,45	47,6	12,8	10		**822.364.11A**			**822.364.11B**

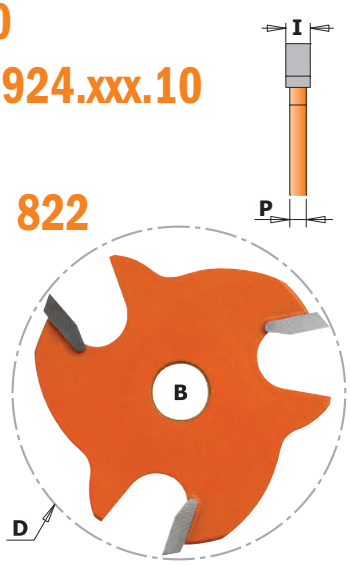
These three wing carbide tipped Slot Cutters feature anti-kickback three wing blade design and CMT's trademark orange P.T.F.E. Industrial Coating.
All cutters feature an 8mm bore that fits CMT's arbors (items 7/8/924).

1 **7/8/924.xxx.00**

2 **7/8/924.xxx.10**



822

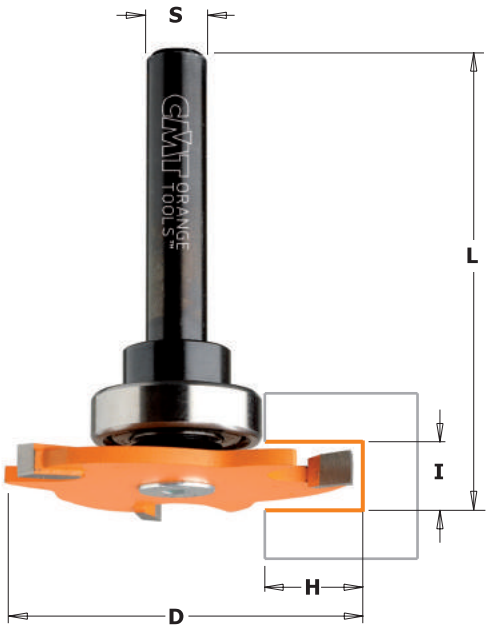


I mm	P mm	D mm	B mm		ORDER NO.
1,5	1,07	47,6	8	10	**822.315.11**
1,6	1,07	47,6	8	10	**822.316.11**
1,8	1,27	47,6	8	10	**822.318.11**
2	1,27	47,6	8	10	**822.320.11**
2,2	1,27	47,6	8	10	**822.322.11**
2,4	1,27	47,6	8	10	**822.324.11**
2,5	1,27	47,6	8	10	**822.325.11**
2,8	1,27	47,6	8	10	**822.328.11**
3	1,27	47,6	8	10	**822.330.11**
3,2	1,27	47,6	8	10	**822.332.11**
3,5	2,07	47,6	8	10	**822.335.11**
4	2,07	47,6	8	10	**822.340.11**
4,8	2,86	47,6	8	10	**822.348.11**
5	2,86	47,6	8	10	**822.350.11**
6	4,45	47,6	8	10	**822.360.11**
6,4	4,45	47,6	8	10	**822.364.11**

	DESCRIPTION	LB mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
1	Slot cutter arbor without bearing	26	61	10	**724.060.00**	**824.064.00**	**924.080.00**		
1	Slot cutter arbor without bearing	26	67,5	10				**924.120.00**	**824.127.00**
2	Slot cutter arbor with bearing	26	61	10	**724.060.10**	**824.064.10**	**924.080.10**		
2	Slot cutter arbor with bearing	26	67,5	10				**924.120.10**	**824.127.10**
	Slot cutter arbor without bearing, long series	40	86	10			**924.083.00**		
	Slot cutter arbor with bearing, long series	40	86	10			**924.083.10**		

Spare parts

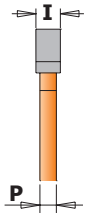
791.005.00 Ø8-22mm bearing
541.501.00 4mm spacer
541.500.00 3mm spacer
541.518.00 1mm spacer
990.020.00 M8 nut

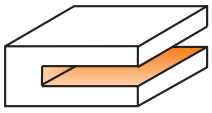


923A - 823B

HW Z3 RH

The uses of this bit are infinite: not only can you rout grooves and rabbets, but you can even T or dovetail joints on wood panels. Each bit features three carbide-tipped cutters, orange coloured PTFE coating and anti-kickback design. The 22mm bearing is included for a cutting depth of 12,8mm. The bit and the slot cutter are also available separately.

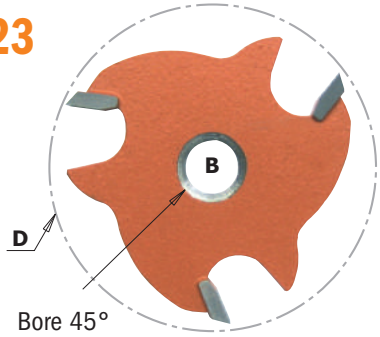




Drawing is 1:1 scale

I mm	P mm	D mm	H mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
3	1,27	47,6	12,8	58	10	**923.330.11A**	
3,2	1,27	47,6	12,8	57,5	10		**823.332.11B**
4	2,07	47,6	12,8	58,3	10	**923.340.11A**	**823.340.11B**
5	2,86	47,6	12,8	63	10	**923.350.11A**	
6,4	4,45	47,6	12,8	60,7	10		**823.364.11B**

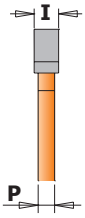
823



Bore 45°

These three wing carbide tipped slot cutters feature anti-kickback three wing blade design and CMT's trademark orange PTFE Industrial Coating.
All cutters feature an 8mm bore that fits CMT's arbors (items 7/8/924).

I mm	P mm	D mm	B mm		ORDER NO.
3	1,27	47,6	8	10	**823.330.11**
3,2	1,27	47,6	8	10	**823.332.11**
4	2,07	47,6	8	10	**823.340.11**
5	2,86	47,6	8	10	**823.350.11**
6,4	4,45	47,6	8	10	**823.364.11**

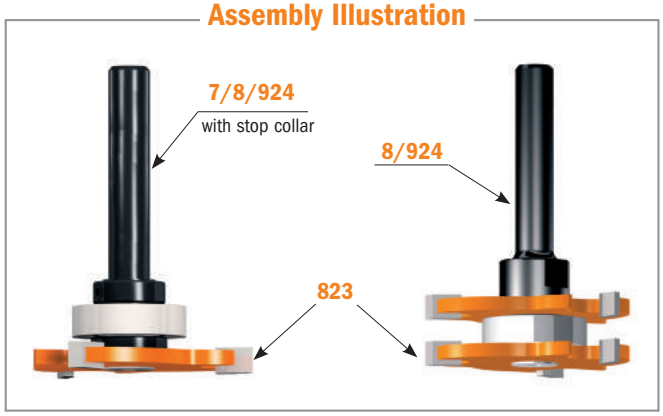


7/8/924

with stop collar

8/924

Assembly Illustration

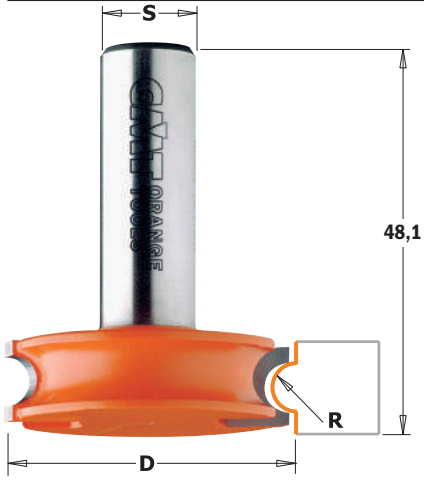


	DESCRIPTION		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
1	Slot cutter arbor without bearing without stop collar	10	**724.061.00**	**824.061.00**	**924.081.00**	**824.121.00**
1	Slot cutter arbor with bearing and stop collar	10	**724.061.10**	**824.061.10**	**924.081.10**	**824.121.10**
2	Slot cutter arbor without bearing	10			**924.082.00**	**824.122.00**
2	Slot cutter arbor with bearing	10			**924.082.10**	**824.122.10**

Spare parts

791.012.00	Ø8-22mm bearing
541.001.00	Stop collar for Ø6,35mm shanks
541.002.00	Stop collar for Ø12,7mm shanks
791.013.00	Ø12,7-22mm bearing
541.003.00	Stop collar for Ø6mm shanks
541.004.00	Stop collar for Ø8mm shanks
541.515.00	0,1mm spacer
541.516.00	0,3mm spacer
541.517.00	0,5mm spacer
541.518.00	1mm spacer
990.055.00	M5x12mm TSPEI screw
991.067.00	3mm hex key

Flute & Bead Set

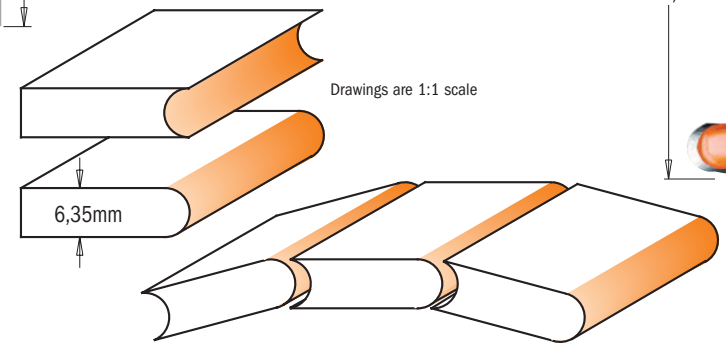


8/955.701

HW Z2 RH

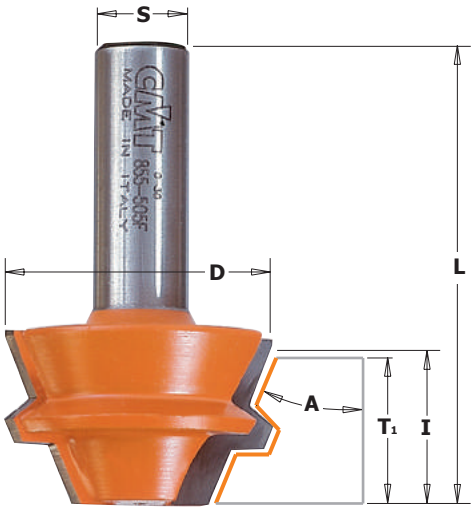
This perfectly mated CMT set is ideal for making canoe slats and hot tub enclosures. The cutting edges feature tungsten carbide which stay sharp even after cutting large amounts of stock. The anti-kickback design ensures that you work safely.

Use both the flute and the bead bits for 6,35mm (1/4") slats as shown below.



R mm	D mm						ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3,2	38					5	**955.701.11**	**855.701.11**

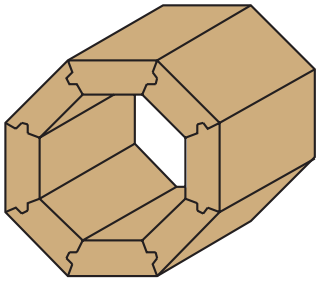
Lock Miter Set

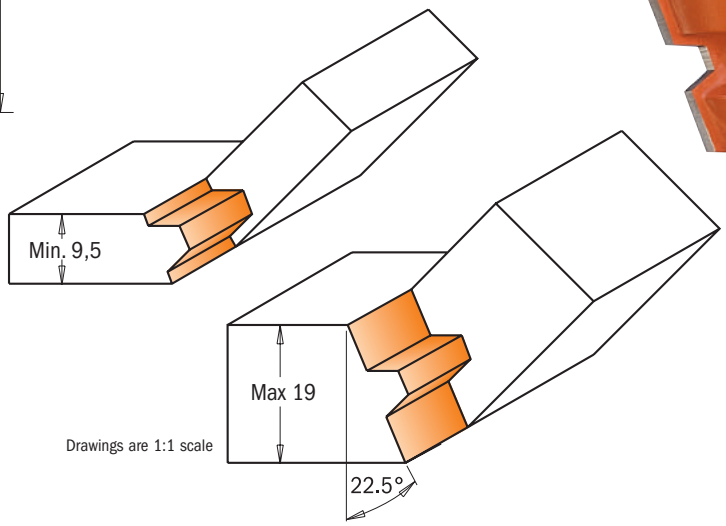


8/955

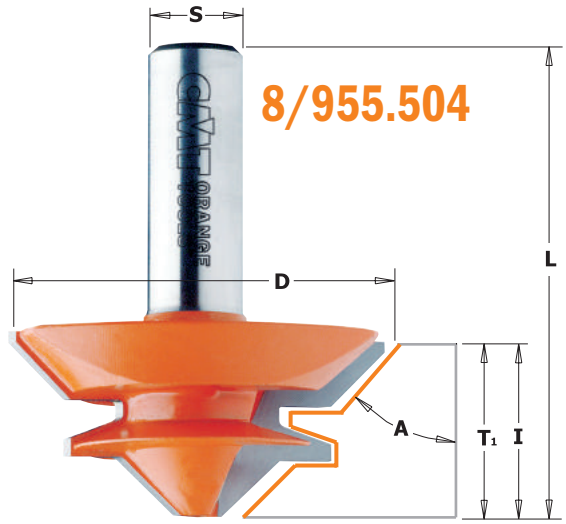
HW Z2 RH

Now you don't have to fight with those awkward clamps on your 22.5° angle projects. Use this pair of bits to produce octagonal shaped boxes and popular corner cabinetry like cabinets for kitchens, entertainment centres, kitchen islands and corner hutches. This 22.5° Lock Miter set provides a strong tight joint even at 45°angles.
Biscuits and splines are time consuming and difficult to clamp; but CMT's matched cutters make set-up easy. Height adjustment is not an issue. All you have to do is adjust your fence so the top edge of the workpiece intersects the angle of the bit where it meets the fence.
After your joints are machined they can be glued and assembled and simply clamped by using strapping tape.





D mm	I mm	A	T1 mm	L mm			ORDER NO. S=Ø8mm		ORDER NO. S=Ø12,7mm
37,3	22,2	22.5°	9,5 ÷ 19	60,3		5	**955.005.11**		**855.505.11**

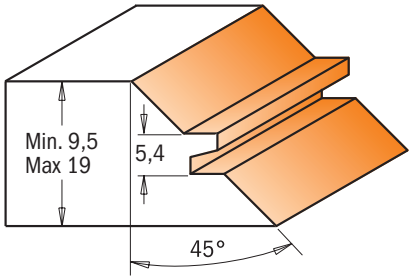


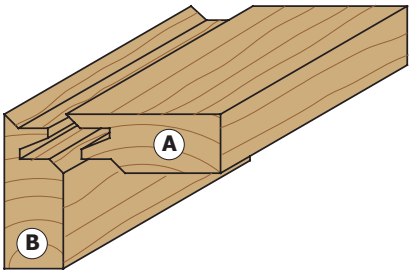
HW | α | Z2 | RH

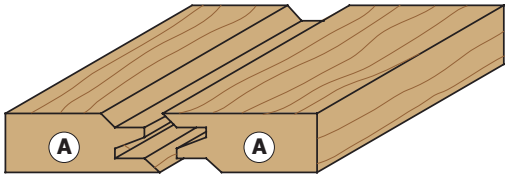
CMT lock miter bits are ideal for milling miter joints in 28,5mm stock. A quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects.

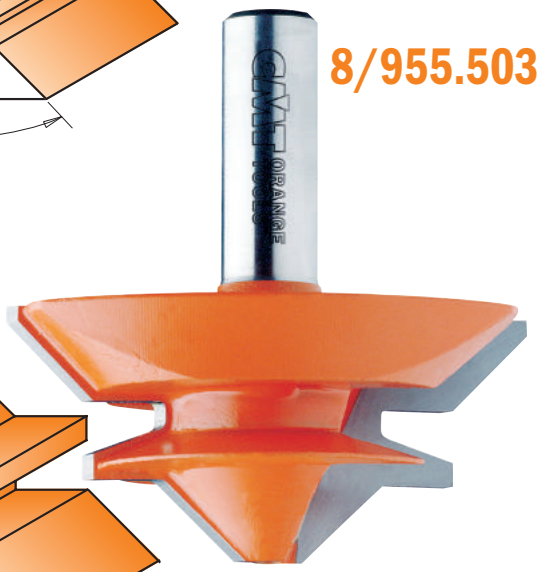
To produce perfectly fitting miter joints, lay one piece with the inside face-down on the work table and the wood centred to the bit. Mill as shown in step 1 of the illustration below. Mill the second piece with the inside face placed vertical to the bit and fence, as shown in step 2.

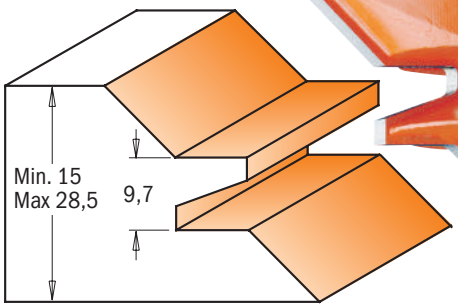
To mill sturdy parallel glue joints follow step 1 shown in the illustration with the inside face of the workpiece laid flat on the table and centred to the bit. To make the second part, lay the workpiece flat on the table and centred to the bit. Mill with the inside face-up.





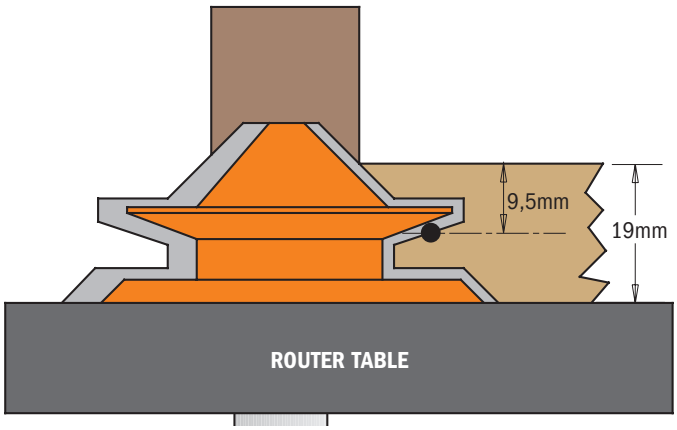




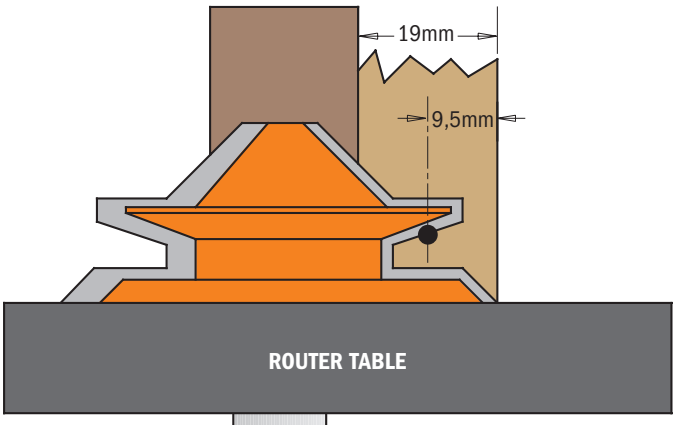


Drawings are 1:1 scale

For miter and parallel glue joints using 19mm board

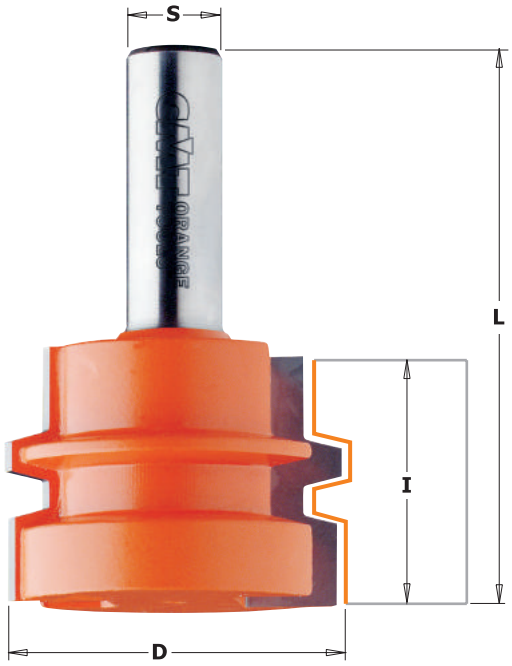


Nr. 1: Rout one piece with the inside face flat on the router table. Be sure the cut is centred to the stock.



Nr. 2: Rout the second piece with the inside face vertical to the fence.

D mm	I mm	A	T1 mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
new 44,5	18	45°	9 ÷ 18	58	5	**955.009.11**		
70	31,7	45°	15 ÷ 28,5	69,9	5		**955.503.11**	**855.503.11**
50,8	22,2	45°	9,5 ÷ 19	60,3	5		**955.504.11**	**855.504.11**

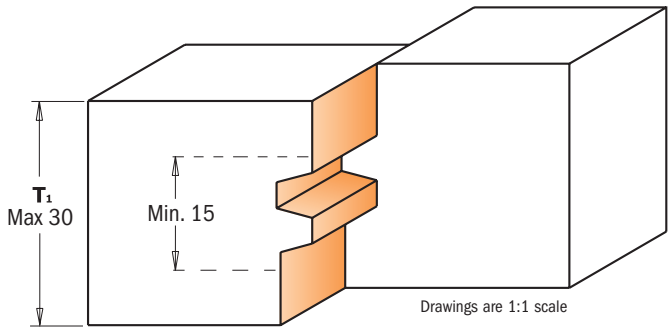


8/955.501

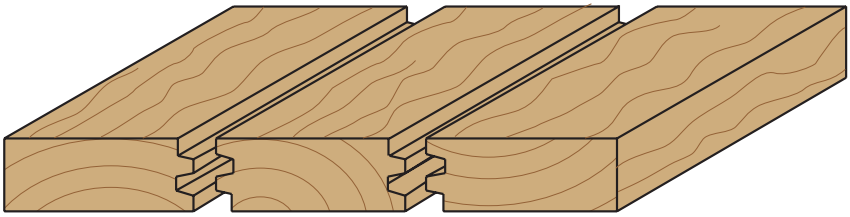
HW Z2 RH

The most unique and important characteristic of this CMT bit is its capacity to produce a virtually indestructible glue joint quickly and flawlessly. Ideal for routing panels, doors and furniture pieces of wide dimension panels, doors and furniture pieces. By accurately centering the bit to the wood, the upper and lower vertical cutting edges of the bit will cut equal proportions. Simply run one edge of the panel, turn the panel over, and then run the opposite edge - you will craft perfectly harmonized reverse cuts that match up to produce immaculate joints!

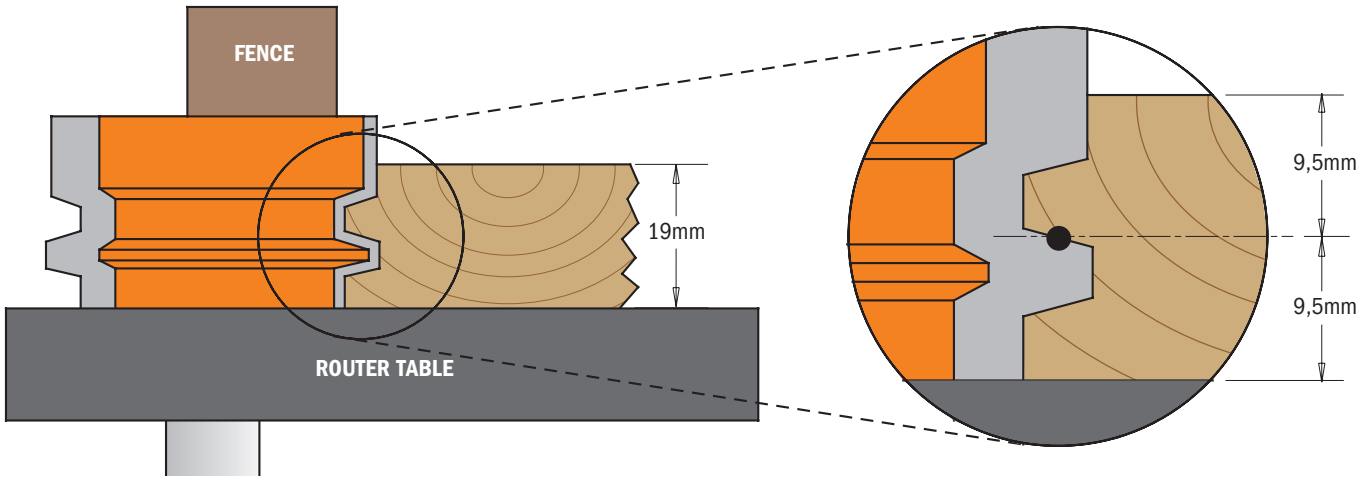
SHOP TIPS: When glueing, apply enough pressure to securely seal the joint. Insufficient pressure results in a weak joint and excessive pressure will distort the wood.



Drawings are 1:1 scale



Example using a 19mm board



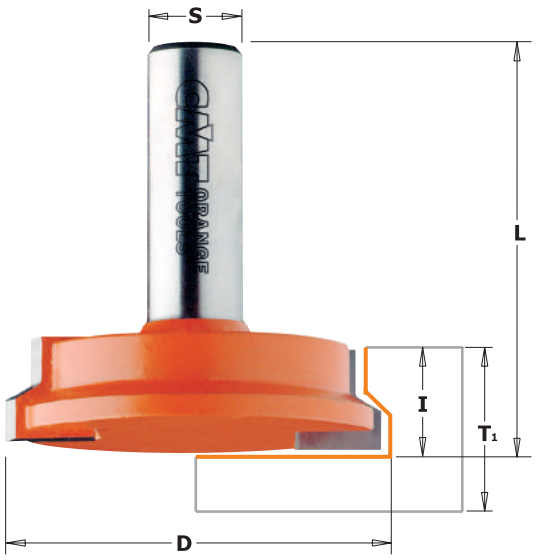
To accurately centre the wood to the bit: Adjust the bit according to the thickness of the wood you are cutting. Line up the cut edge of the wood to the centre point of the bit as illustrated in the enlarged drawing. The upper and lower vertical cutting edges of the bit are in proportion and at an equal distance from the centre point of the bit. Run one cut edge of the wood, turn the piece over and run the other edge for exact reverse cuts that match up perfectly. Assemble the reverse cut pairs together for beautiful, strong joints.

D mm	I mm	T1 mm	L mm					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
44,4	32	15 - 30	70,1				10	**955.501.11**	**855.501.11**

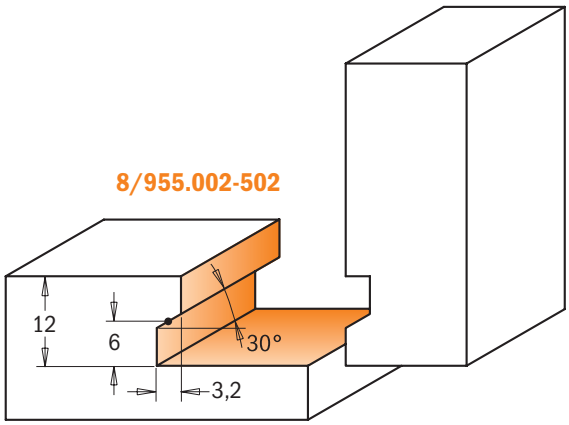
7/8/955

HW | α | Z2 | RH

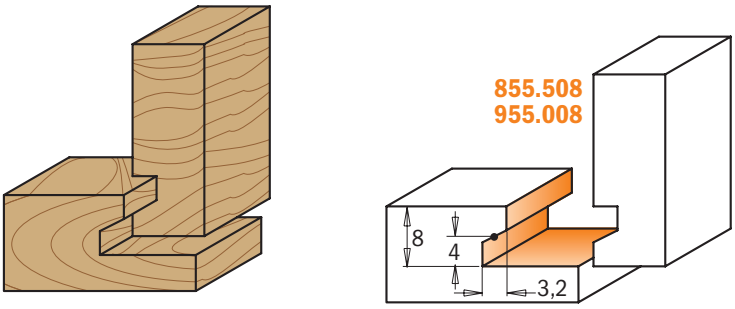
The key to success when constructing quality drawers is in the quality of the drawer lock bit you use.
With CMT drawer lock bits you can make strong, perfectly fitted joints quickly and easily.
As illustrated below, mill the drawer front with the inside face-down on the work table.
Mill the sides of the drawer with the inside face placed vertical to the bit and fence, and perpendicular to the table.
These bits are to be used on router tables only. Do not use on hand-held routers.

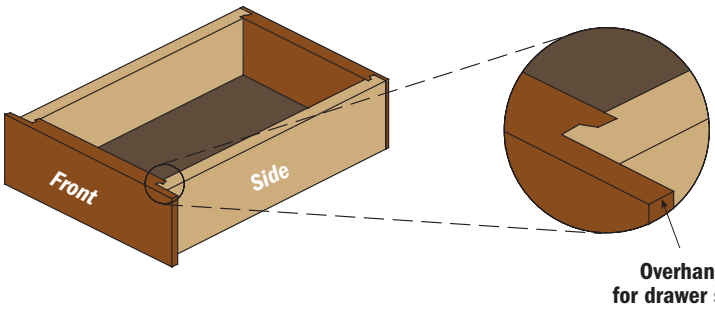


8/955.002-502

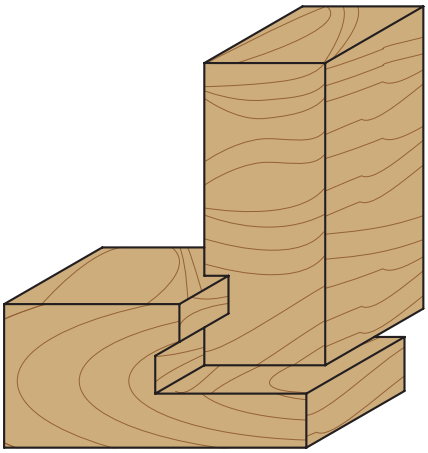


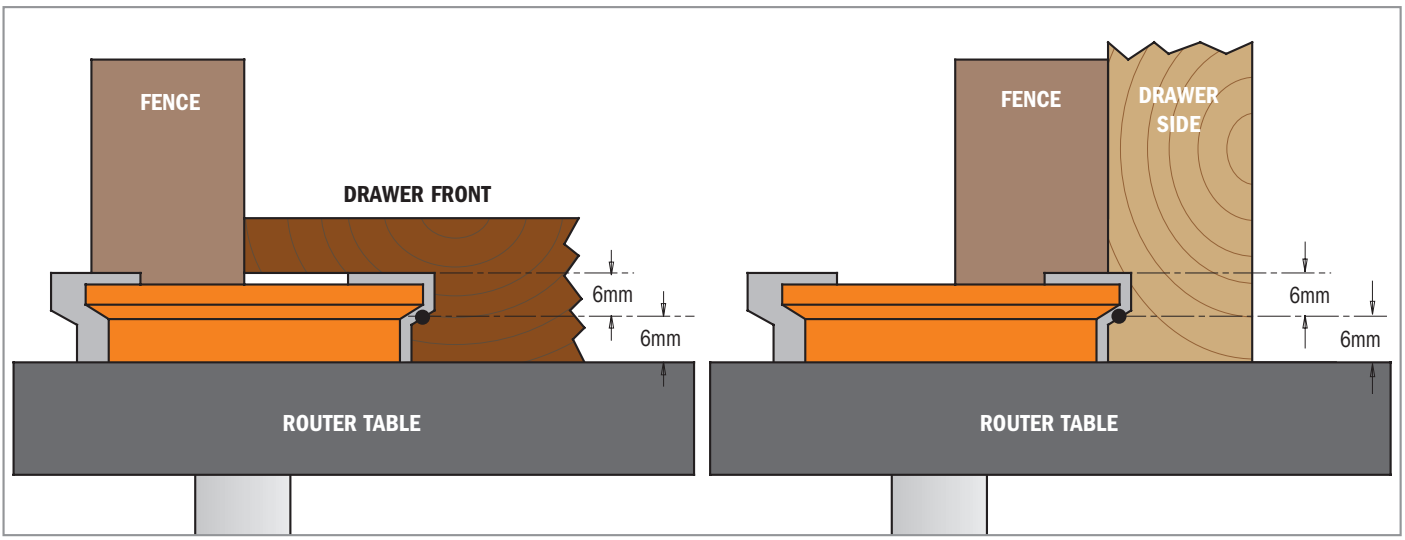
855.508
955.008



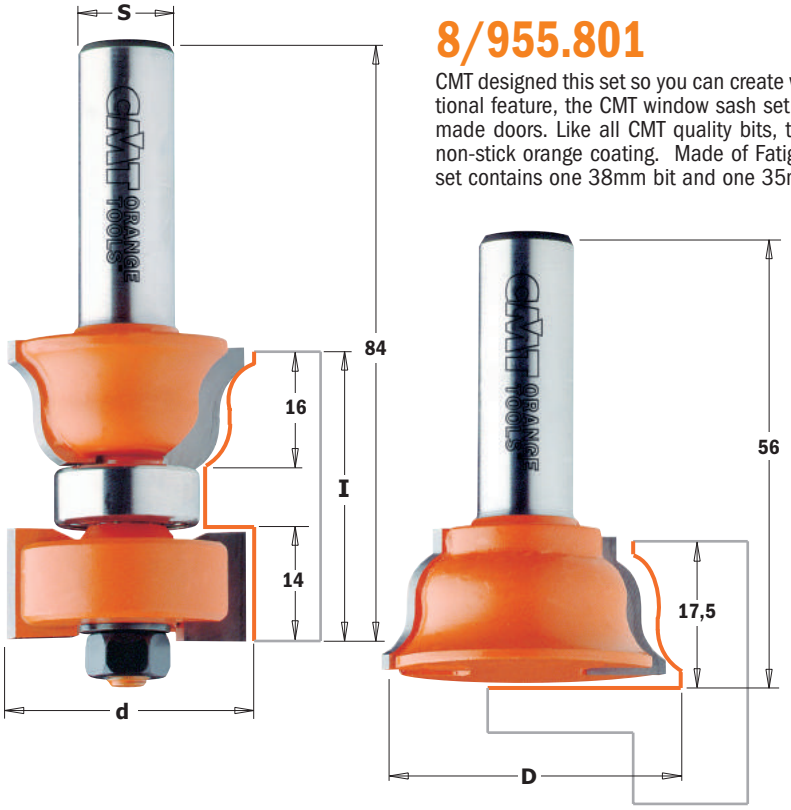


Overhang
for drawer stop



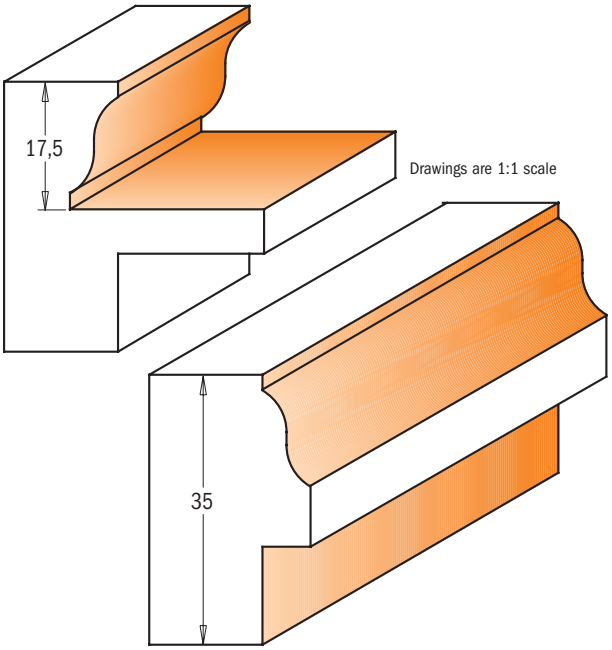


D mm	T1 min. mm	T1 max. mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
25,4	9,5	15,87	12,7	54	10			**955.008.11**		**855.508.11**
31,7	15,87	25,4	12,7	44,5	10	**755.002.11**	**855.002.11**	**955.002.11**		
50,8	15,87	25,4	12,7	50,8	10				**955.502.11**	**855.502.11**



8/955.801

CMT designed this set so you can create window sashes that are as beautiful as they are functional. As an additional feature, the CMT window sash set will also mill perfectly matched 35mm rail and stile parts for custom made doors. Like all CMT quality bits, this set includes our anti-kickback design feature and our trademark non-stick orange coating. Made of Fatigue Proof® steel with carbide-faced cutting edges for longer life. Each set contains one 38mm bit and one 35mm bit designed for cutting 35mm stock.



Drawings are 1:1 scale

d mm	l mm	L mm		D mm	l mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
35	35	84		38	17,5	56	5	**955.801.11**	**855.801.11**

Spare parts

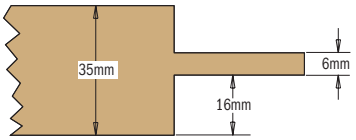
791.012.00	822.004.11	541.518.00	990.020.00

Step-By-Step Window Sash Construction

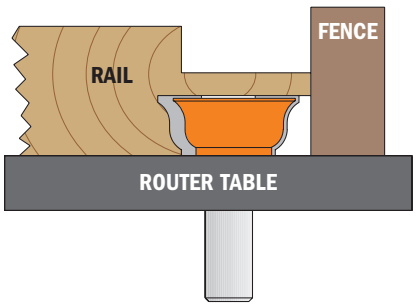
CMT set makes it easy!

In our step-by-step example for window sash construction, we used the following:
- CMT Window Sash Set (item #855.801.11)
- stiles cut 35mm thick
- rails cut 35mm thick
- scrap stock

The CMT Window Sash Set was designed ideally for the construction of windows in 35mm stock, however variations as narrow as 28mm can be used. Stock thicker than 35mm exceeds the milling range of the cutter. Remember to adjust your measurements and cutting depths according to the wood thickness you use. We suggest making a trial joint in scrap stock according to the following steps before milling all of the cope and stick profiles.

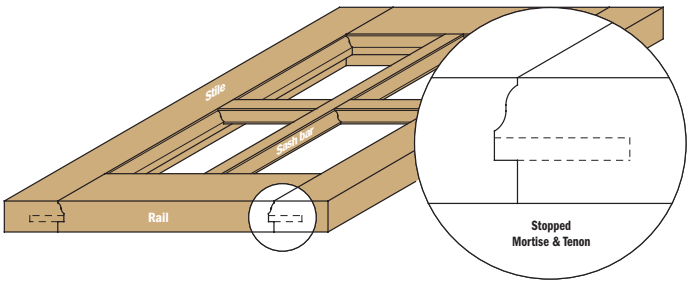


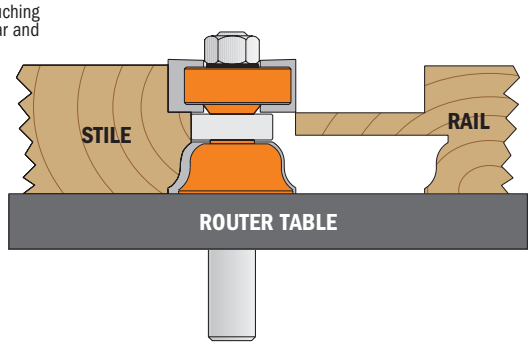
STEP 1 - Measurements and making the tenons
The ideal thickness of the stiles when using the CMT sash set is 35mm. The desired width of the stiles will determine the length you need to make your tenons, while the length of the stile will represent the desired full height of the sash. When cutting the rails to length, make sure to add the length of the two tenons to the overall length of the rail. The length of the tenons should be at least half the width of the stile. Mill 16mm measuring from the front face of the stock using a table saw, radial saw or router as shown in illustration 1. This measurement remains invariable since it is calculated to the height of the CMT sash routers. The width of the tenon is 6mm. Rotate the stock and mill the other side. As per our example, the second milling will be 13mm but this measurement will vary if you are using thinner stock.

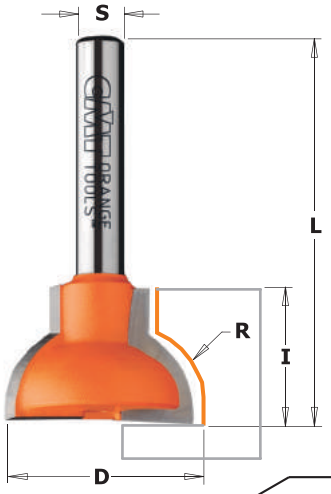


STEP 2 - Making the cope profile on rails, sash bar and muntins
To make the cope profile, place the rail face front down on the router table with the tenon flush to the bit as shown in illustration 2. Adjust the fence so the bit mills 6,35mm deeper than the tenon. To mill the sash bar and the muntins (cross bars), position front face down on the router table and mill without changing the height of the bit.

STEP 3 - Making the stick profile on rails, stile, sash bar and muntins
To mill the stick profile along the inside edges of all sash parts, place the already milled cope profile front face down on the router table and adjust the sash bit so that the lower edge of the top cutter will exactly touch the upper edge of the tenon as shown in need to 3 illustrations. With the rail still face down on the table, turn it so the inside edge of the rail is touching the bit and mill the stick profile. Mill the inside edges of the stiles and mill both edges of the front face of the sash bar and muntins.
To cut the slots for the tenons, measure 16mm from the front face of the stiles and rout with a table saw.





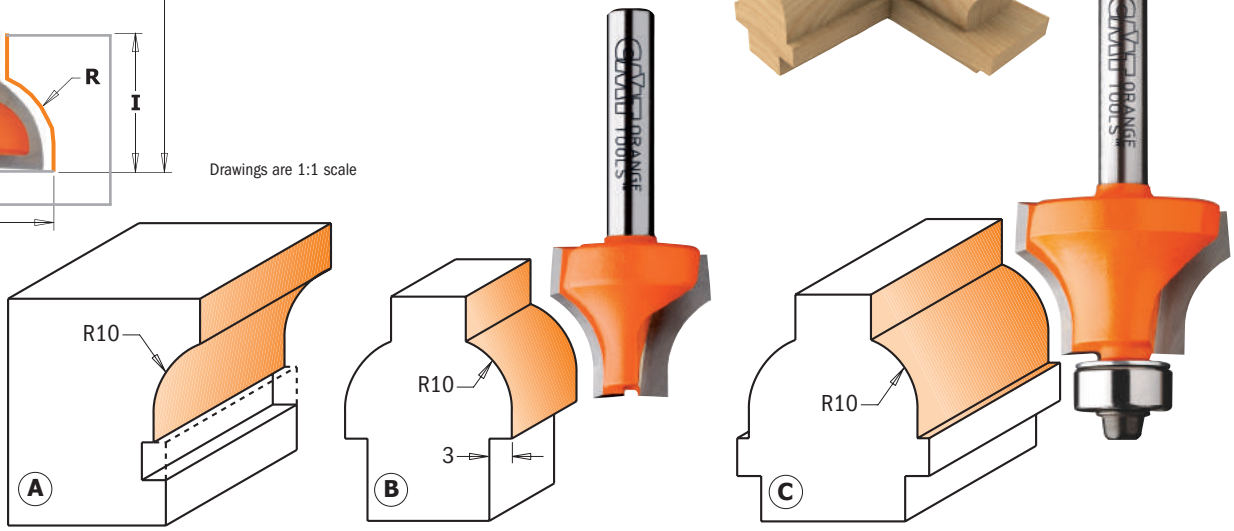


8/955.3

These bits allow you to make true divided light doors for fine furniture and cabinets as well as sash bar windows, and stile and rail constructions.
The glazing bar ovolo bits are bearing-guided to enable curved frames to be moulded.
Cove bits can be used to produce easy-to-pull drawer handles.

HW | Z2 | RH

Drawings are 1:1 scale

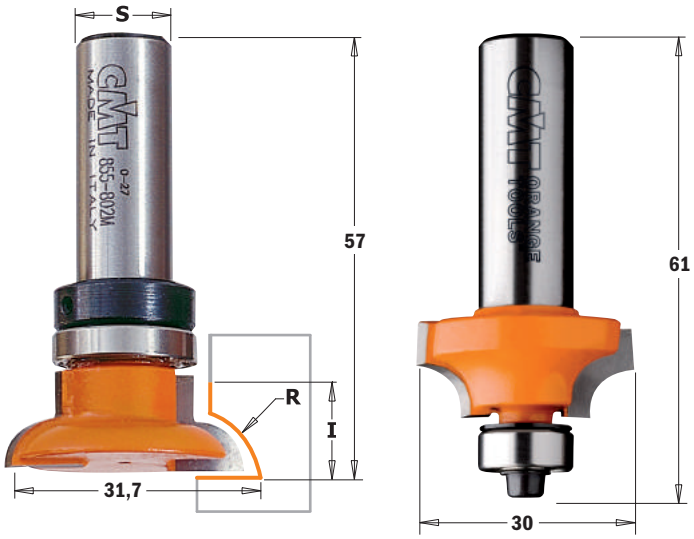


D mm	I mm	R mm	L mm	Profile		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
25	19	10	50,8	A	10	**855.307.11M**	**955.307.11M**
22	19	10	50,8	B	10	**855.307.11F**	**955.307.11F**
28	19	10	61,2	C	10	**855.308.11F**	**955.308.11F**

Spare parts

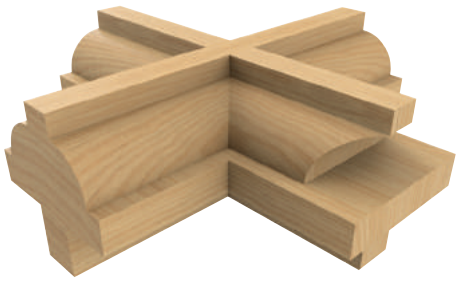
990.423.00	791.003.00	990.058.00	991.057.00

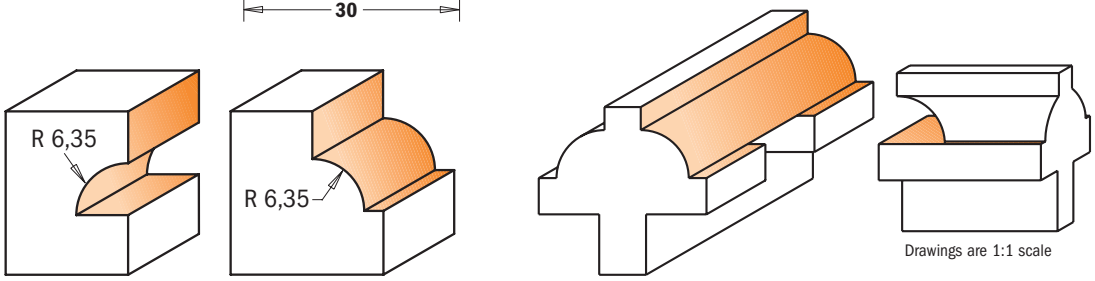
Ovolo Sash Set



HW | Z2 | RH

955.302 - 855.802





Drawings are 1:1 scale

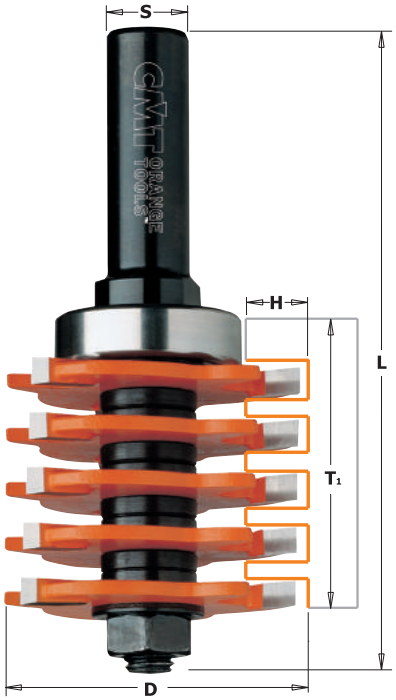
d mm	D mm	I mm	R mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
30	31,7	12	6,35	5	**955.302.11**	**855.802.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00	791.011.00	541.002.00

Spare parts **991.056.00** 1,5mm hex key

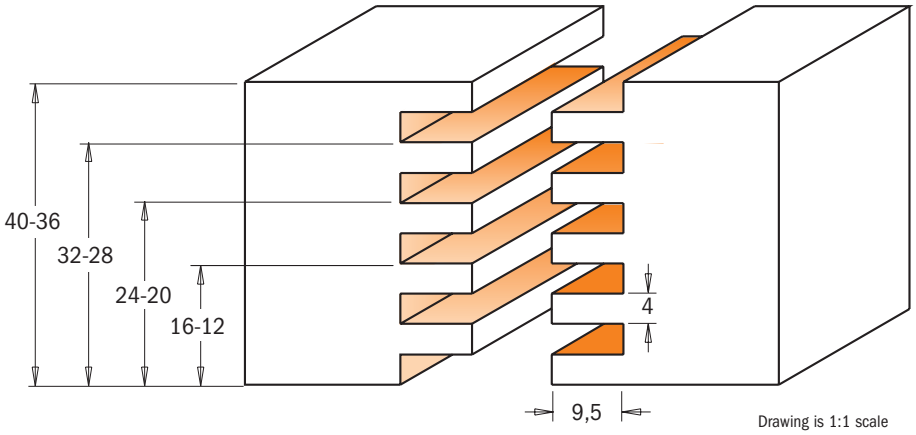
Finger Joint Bit



8/900.616

HW Z3 RH

This router allows you to carry out accurate and functional finger joints with the greatest of ease. Without any adjustment you will be able to work woods with different thicknesses as indicated in the drawing. The bearing allows you to reach a 9,5mm cutting depth.
For further cutting depths you need to use a fence.



Drawing is 1:1 scale

T1 mm	D mm	H mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12 - 40	47,6	9,5	97	10	**900.616.11**	
12 - 40	47,6	9,5	97	10		**800.616.11**

Spare parts

924.130.00	791.027.00	822.340.11	990.020.00
824.130.00	791.027.00	822.340.11	990.020.00

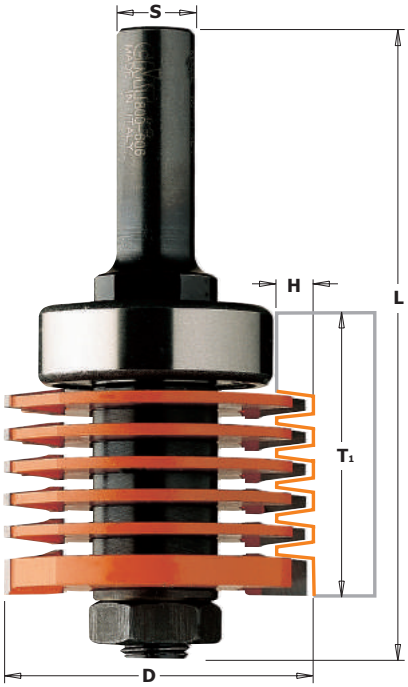
Spare parts

541.515.00 0,1mm spacer
541.519.00 5,8mm spacer
990.403.00 1,6mm washer
990.459.00 Kit with spacers

Optional

791.020.00 Ø38,1mm bearing (for depth 4,75mm)
791.029.00 Ø34,9mm bearing (for depth 6,35mm)
791.015.00 Ø31,7mm bearing (for depth 8mm)
791.011.00 Ø19mm bearing (for depth 14,3mm)

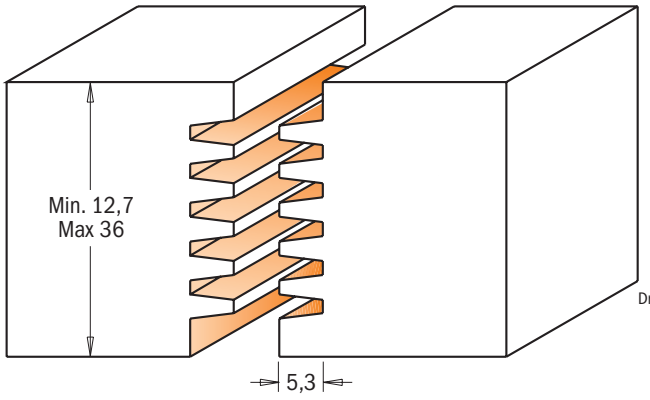
Professional Finger Joint Bit



8/900.606

HW Z2 RH

This versatile finger joint bit is the perfect tool for making incredibly strong side-to-side or end-to-end joints in wood and wood composites.
The tightness and accuracy of the cut joint coupled with the maximum glue surface create a joint that is actually stronger than an unworked piece of wood.
CMT's professional finger joint bit features two-flute design, carbide teeth and six removable cutters. This means you can make joints in a wide range of stock thicknesses - from 12.7mm to 36mm. Ideal for moulding manufacturers and furniture makers.



Drawing is 1:1 scale

T1 mm	D mm	H mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12,7 - 36	47,6	5,3	97	10	**900.606.11**	
12,7 - 36	47,6	5,3	97	10		**800.606.11**

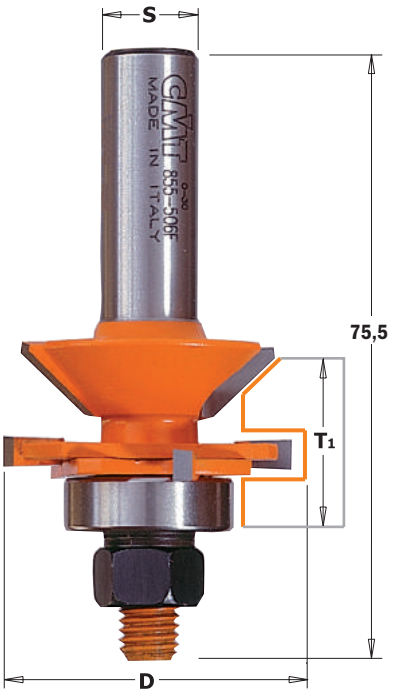
Spare parts

924.129.00	791.028.00	822.005.11 (1,85mm)	822.006.11 (5,5mm)	990.022.00
824.129.00	791.028.00	822.005.11	822.006.11	990.022.00

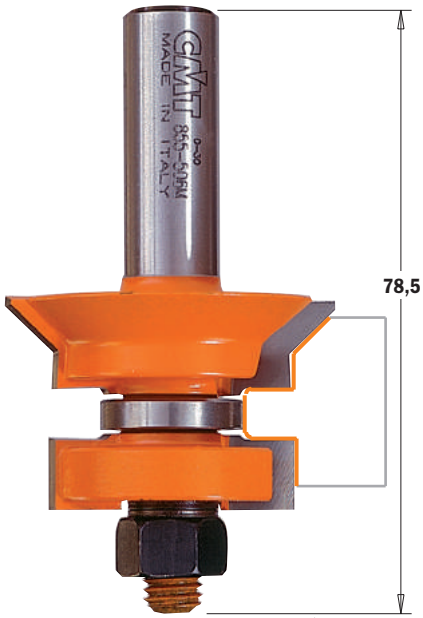
Spare parts

541.511.00 3mm spacer
541.512.00 2mm spacer
541.526.00 0,1mm spacer
990.458.00 Kit with spacer

V-Tongue & Groove Set



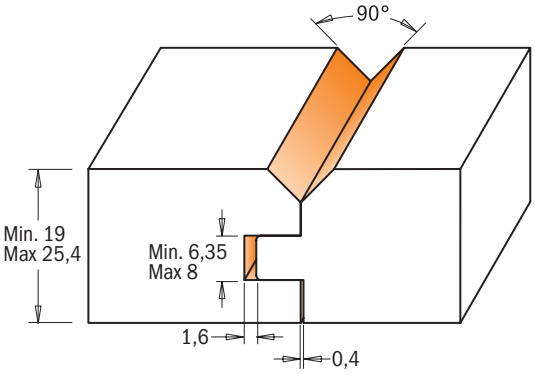
8/955.506



HW | Z2 | RH

If the standard selection of moulding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then consider CMT's moulding system instead. With these bits, you can make dozens of elaborate profiles by combining two or more passes. Avoid the average and create your own mouldings. Some initial suggestions are illustrated below.

SAFETY TIPS: use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.



Drawing is 1:1 scale

D mm	T1 mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
44,4	19÷25,4	10	**955.506.11**	**855.506.11**

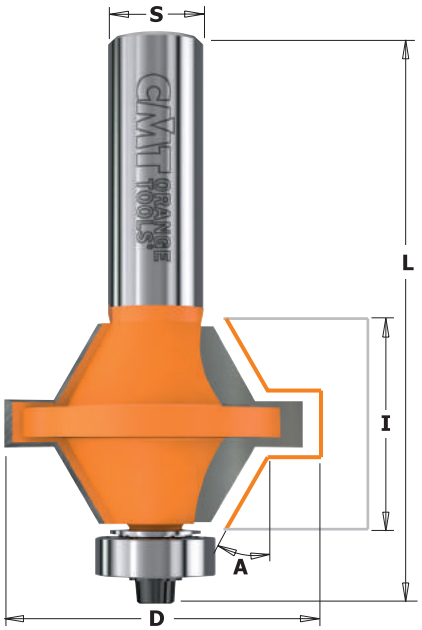
Spare parts

8mm	4mm	19mm	22mm	
822.013.11	822.014.11	791.011.00	791.005.00	990.020.00

Spare parts

541.515.00 0,1mm spacer
541.516.00 0,3mm spacer
541.517.00 0,5mm spacer
990.407.00 Shield

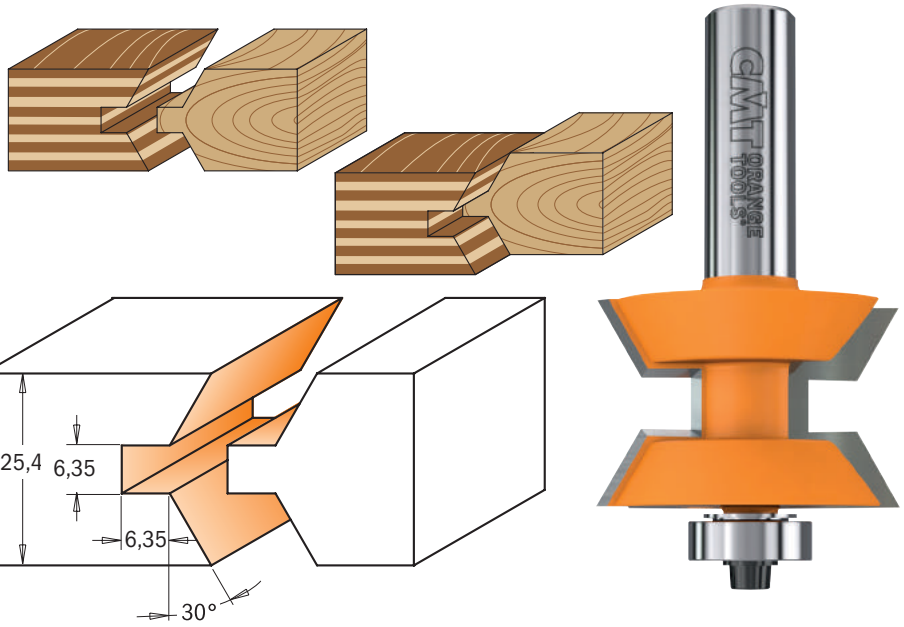
Edge Banding Bits Set



8/955.510

HW | Z2 | RH

This is a great set to create cost-effective, yet attractive durable edges to your cabinet doors. For use with 1/2 " or 1" thick panels in plywood or MDF or create your own edge banding with your wood of preference.
Easy to use: center each cutter on the stock and make the cut; glue the two pieces together; flush trim after assembly, if necessary. The set features a 60° angle tongue & groove with an ample surface area for glue application.

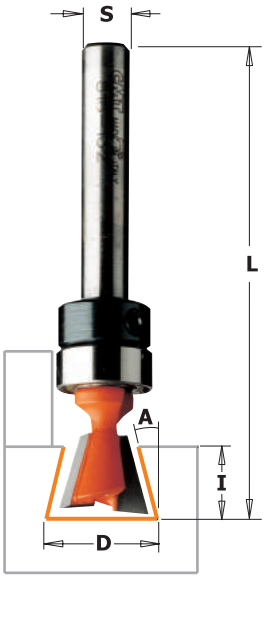


Drawing is 1:1 scale

D mm	I mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
40	25,4	30°	74,5	5	**955.510.11**	**855.510.11**

Spare parts

990.423.00	791.018.00	990.058.00	991.057.00



7/818B

7/8/918

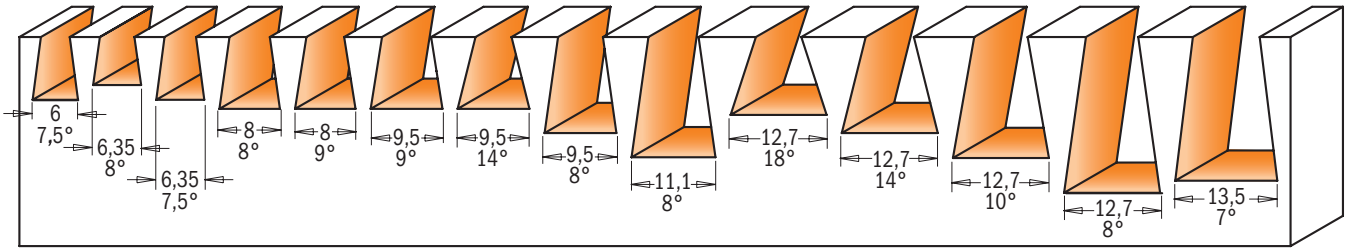
HWM HW Z2 RH

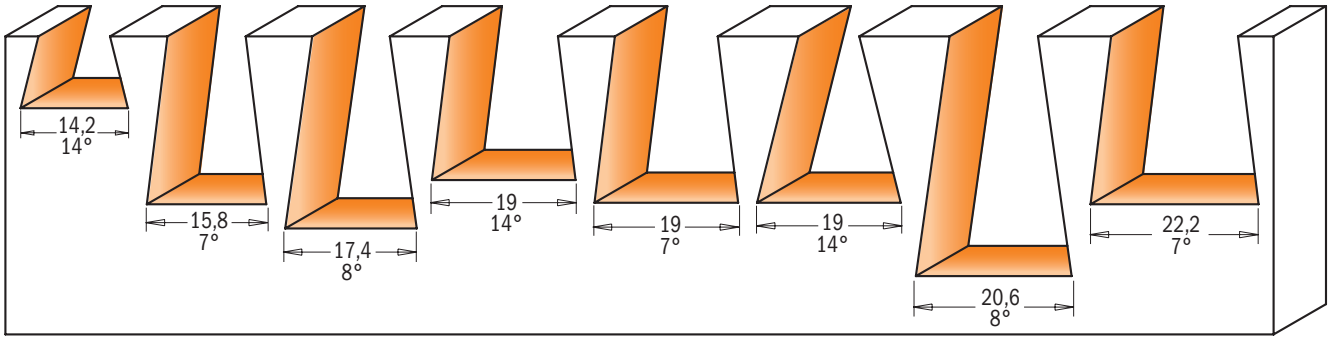
The beautifully crafted dovetail joint is a classic that appeals to both professionals and novices alike. Admired for its attractiveness in box and exposed joint projects, the dovetail is remarkably strong and functional.
CMT dovetail bits are available in 25 different sizes so you can stretch your creativity to the limit.
See the illustrations on the next page for dovetail joinery possibilities.
CMT dovetail bits are designed to fit all popular jigs including Leigh®, Keller®, JoinTECH® and Omnijig® systems. You are sure to find the bit you are looking for in our vast selection of cutting sizes and angles.
Check the overall length of the bit before placing an order to be sure you get the size you need - CMT makes bits specifically to fit on jigs and routers that require a longer shank length.

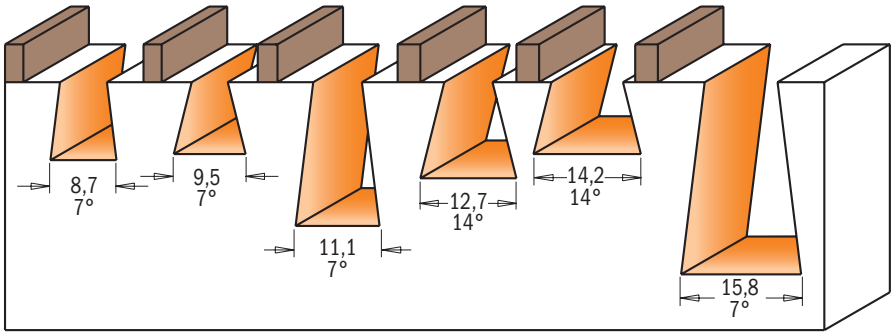
Shop Tips: two passes are recommended when routing dovetails with a template. Check that the dovetails have been cut through completely and smoothly before removing the workpiece.
For even easier routing and less stress on your dovetail bit, run the first pass with a straight bit. Use a dovetail on your router table equipped with a fence to achieve difficult chamfer angles.

Safety Tips: if a dovetail bit jams while working, adjust the position of the bit in the collet and make sure the cutting depth is correct. Do not lift the router out of the template.

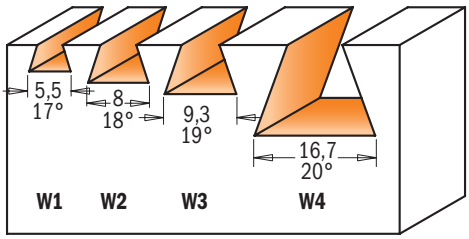
Drawings are 1:1 scale



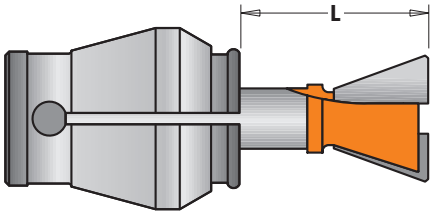




Fit Manufacturer Model	ORDER NO.	
CMT-Enlock10	718.098.11B	818.098.11B
CMT-Enlock15	718.127.11B	818.128.11B
CMT300	718.127.11	818.128.11
	918.127.11	818.628.11



FIT HOFFMANN KEYS

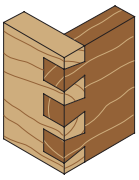


Manufacturer/Model FIT HOFFMANN KEYS	ORDER NO.	
W1 L=16mm	718.053.11	818.053.11
W2 L=17,5mm	718.079.11	818.079.11
W3 L=19mm	718.093.11	818.093.11
W4 L=25mm	918.167.11	

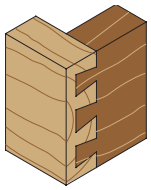
7/8/918 - 7/818B

A few of the beautiful dovetail joints you can produce using CMT bits

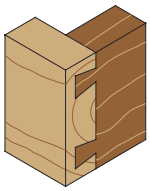
Through Dovetail



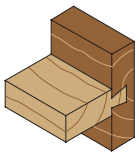
Half-Blind dovetail



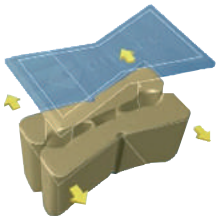
Variable-Spaced Dovetail

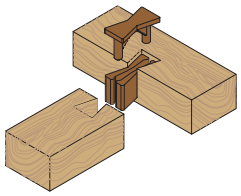


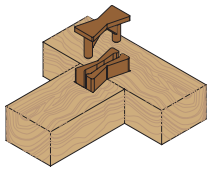
Sliding Dovetail

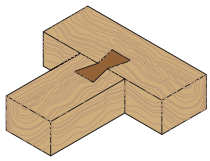


Joints are ready in no time at all!









D mm	I mm	L mm	A		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
•6	8,3	60	7,5°	10	**718.060.11**				
•6,35	6,35	50,8	8°	10		**818.065.11**			
•6,35	8,3	63,5	7,5°	10		**818.064.11**			**818.564.11**
•8	9,5	54	8°	10		**818.081.11**			
•8	9,5	52,5	9°	10		**818.080.11**			
•8	9,5	63,5	9°	10					**818.580.11**
9,5	9,5	52,5	9°	10	**718.095.11**	**818.096.11**	**918.095.11**		
9,5	9,5	63,5	9°	10					**818.596.11**
•9,5	9,5	60,3	14°	10		**818.098.11**			
•9,5	12,7	60,3	8°	10		**818.097.11**			
11,1	15,9	60,3	8°	10		**818.111.11**			
12,7	10,3	60,3	18°	10		**818.132.11**			
12,7	12,7	52,4	14°	10	**718.127.11**	**818.128.11**	**918.127.11**		
12,7	12,7	63,5	14°	10					**818.628.11**
12,7	12,7	62	14°	10		**818.130.11**			
12,7	16	60,3	10°	10		**818.133.11**			
12,7	20,6	69,8	8°	10		**818.129.11**	**918.129.11**		
13,5	19,05	61,5	7°	10					**818.635.11**
14,2	9,5	50,8	14°	10		**818.142.11**			
15,8	22	60,3	7°	10	**718.158.11**	**818.158.11**	**918.158.11**		
15,8	22	66,7	7°	10				**918.658.11**	**818.658.11**
17,4	25,4	77,6	8°	10					**818.674.11**
19	19	77,6	14°	10					**818.691.11**
19	22	60,3	7°	10	**718.190.11**	**818.190.11**	**918.190.11**		
19	22	66,7	7°	10				**918.690.11**	**818.690.11**
19	22	60,3	14°	10		**818.191.11**			
20,6	31,7	84,1	8°	10					**818.706.11**
22,2	22,2	69,8	7°	10					**818.722.11**
With Top Bearing									
8,73	10,3	58	7°	10		**818.087.11B**			
•9,5	9,5	60,3	14°	10	**718.098.11B**	**818.098.11B**			
11,1	19	66,7	7°	10		**818.113.11B**			
12,7	12,7	52,4	14°	10	**718.127.11B**	**818.128.11B**			
14,2	9,5	50,8	14°	10		**818.142.11B**			
With Top Bearing (shank Ø9,5mm)									
15,8	25,4	68,3	7°	10			**818.159.11B**		
Fit Hoffmann Keys									
•5,5	4	43	17°	10	**718.053.11**	**818.053.11**			
•8	6	43	18°	10	**718.079.11**	**818.079.11**			
•9,3	7,3	43	19°	10	**718.093.11**	**818.093.11**			
16,7	12,5	49	20°	10			**918.167.11**		

7/8/918

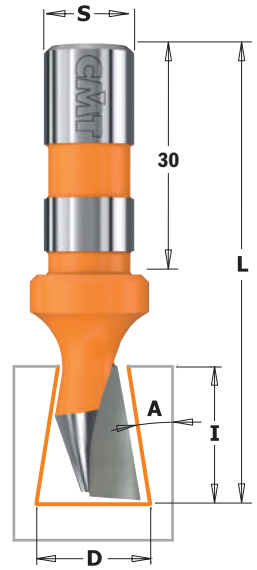
Spare parts	
791.009.00	541.001.00
791.010.00	541.001.00
791.009.00	541.001.00
791.010.00	541.001.00
791.010.00	541.001.00
791.021.00	541.006.00

Spare parts

990.005.00 M3x3mm TSEI screw
991.056.00 1,5mm hex key

• **HWM**

9° Dovetail Cutters

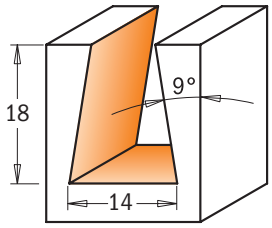


522

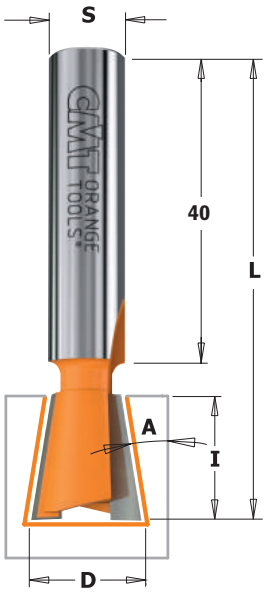
HW | Z1 | RH

D mm	I mm	L mm	A	S mm		ORDER NO. Right-hand rotation
14	18	60	9°	12	10	**522.140.11**

Technical details:
- Super strength steel
- 1 HW precision ground cutting edge [Z1]



Drawing is 1:1 scale

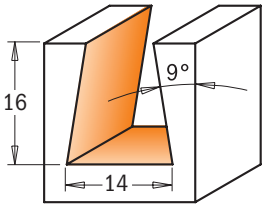


523

HW | Z2 | RH

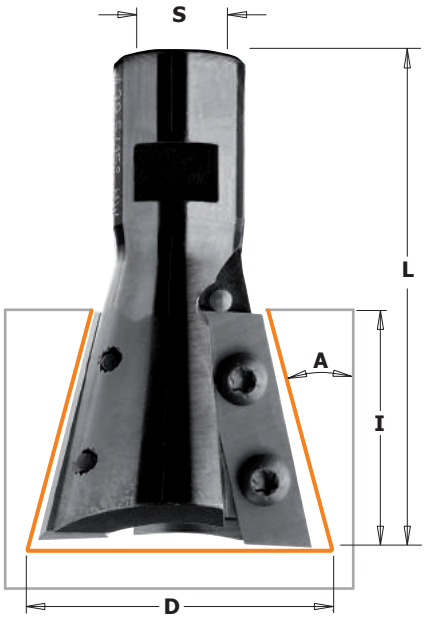
D mm	I mm	L mm	A	S mm		ORDER NO. Right-hand rotation
14	16	60	9°	10	10	**523.140.11**

Technical details:
- Super strength steel
- 2 HW precision ground cutting edges [Z2]



Drawing is 1:1 scale

15° Dovetail Cutter with Insert Knives for Roof-Frames



664

INSERT CARBIDE | Z2 | RH | 2X LONGER LIFE

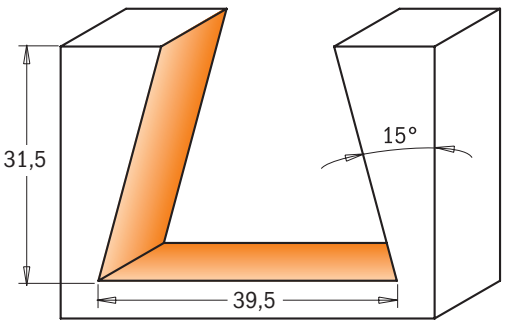
D mm	I mm	L mm	A	S mm		ORDER NO. Right-hand rotation
39,5	31,5	65,5	15°	M12x1	1	**664.395.11**

Technical details:
- Super strength steel
- 2 HWM precision insert knives [Z2]

Spare parts

790.315.00	990.078.00	991.061.00

Application:
This cutter allows you to assemble roof-frames by dovetailing.



Drawing is 1:1 scale

60° Lettering Bit

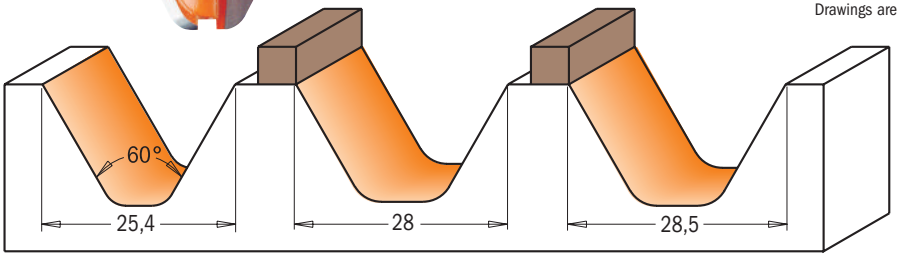
8/949B

7/8/949

HW | Z2 | RH

The ideal bit for routing signs. CMT designed this bit with a 60°angle curved profile, a 3,2mm (1/8") radius and a flattened bottom to make relief letter-making easy and accurate.
This exclusive design allows you to efficiently level off the area around the base of the letter and bevel the edges to eliminate splintering.
Try our 60° angle lettering bit equipped with a top bearing guide to produce even more attractive decorative effects.

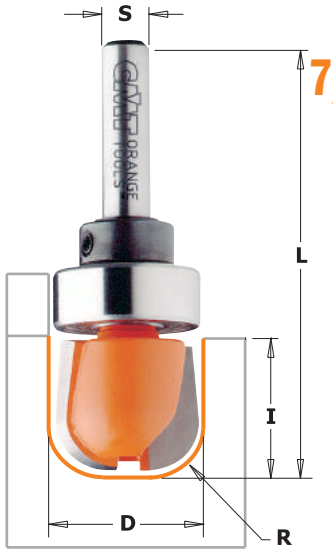
Drawings are 1:1 scale



D mm	I mm	A	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
25,4	19	60°	50,8	10	**749.001.11**	**849.001.11**					
28	19	60°	63,5	10			**949.502.11**				
28,5	19	60°	63,5	10				**849.501.11**			
With Top Bearing											
28	19	60°	63,5	10			**949.502.11B**		791.026.00	541.005.00	991.056.00
28,5	19	60°	63,5	10				**849.501.11B**	791.027.00	541.002.00	991.056.00

Spare parts **990.005.00** M3x3mm STEI screw

Bowl & Tray Bits



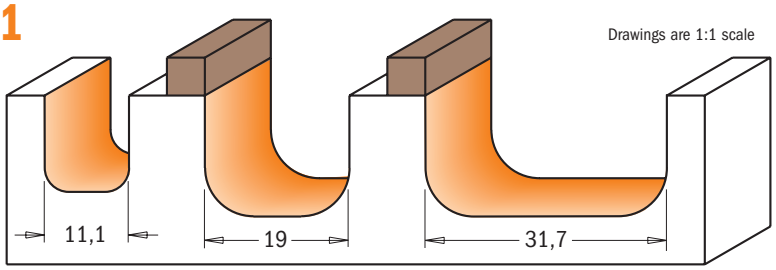
7/851B

7/8/951

HW | Z2 | RH

This CMT bit is ideal for making bowls, trays, boxes, cutting boards or any other specialty or craft item. The round corner of the bit shapes the inner radius while the sides and bottom create the smooth flat surfaces. Makes pattern work quick and easy. For best results on jobs where accuracy is a priority, we recommend using our top bearing bowl and tray bits shown at the bottom of this page. Bowl and Tray bits with top bearings are great for pattern work.
Use them to create raised sign lettering, trays and a variety of other items.

Drawings are 1:1 scale



D mm	I mm	R mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
11,1	12,7	3,2	45,5	10		**851.001.11**						
19	16	6,4	54	10	**751.002.11**	**851.002.11**	**951.002.11**					
19	16	6,4	60,4	10				**951.501.11**	**851.501.11**			
31,7	16	6,4	60,4	10				**951.502.11**	**851.502.11**			
With Top Bearing												
19	16	6,4	54	10	**751.002.11B**					791.007.00	541.003.00	991.056.00
19	16	6,4	54	10		**851.002.11B**				791.004.00	541.001.00	991.056.00
19	16	6,4	60,4	10					**851.501.11B**	791.011.00	541.002.00	991.056.00
31,7	16	6,4	60,4	10				**951.502.11B**	**851.502.11B**	791.015.00	541.002.00	991.056.00

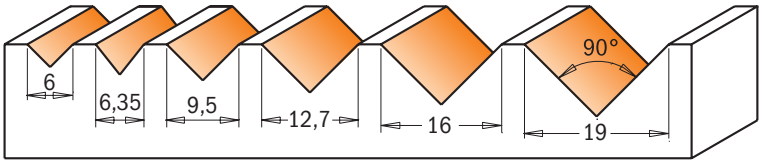
Spare parts **990.005.00** M3x3mm STEI screw

7/8/915

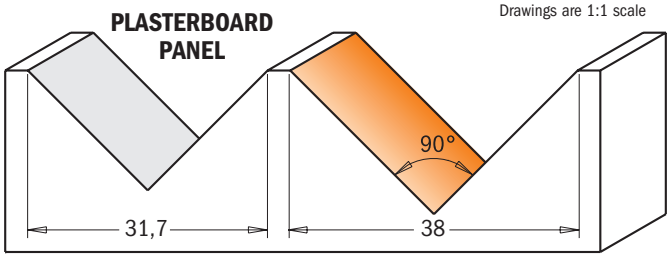
HWM HW Z2 RH

These double cutting edge CMT bits offer an almost endless range of woodworking possibilities. Make clean, perfect cuts in panels, drawer fronts or even plasterboard panels; chamfer edges or engrave beautiful lettering.

Tips: these bits perfectly chamfer at 45° angles (Two tools in one).

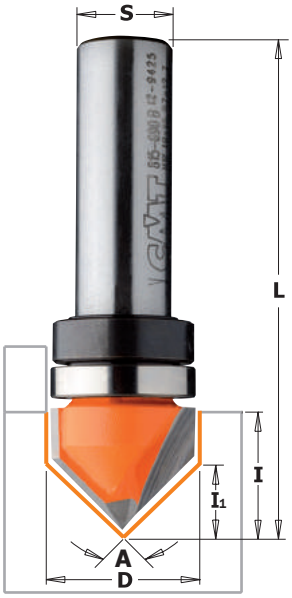


Drawings are 1:1 scale



• HWM

D mm	I mm	I1 mm	A	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
•6	8	3	90°	46	10	**715.060.11**		**915.060.11**		
•6,35	8	3,18	90°	46	10		**815.064.11**			
9,5	12,7	4,75	90°	44,5	10	**715.095.11**	**815.095.11**	**915.095.11**		
12,7	12,7	6,35	90°	44,5	10	**715.127.11**	**815.127.11**	**915.127.11**		
16	12,7	8	90°	52,8	10			**915.160.11**		
16	12,7	8	90°	63,5	10				**915.660.11**	**815.660.11**
19	16	9,5	90°	55,5	10	**715.190.11**				
19	16	9,5	90°	63,5	10				**915.690.11**	**815.690.11**
31,7	19	15,88	90°	63,5	10			**915.317.11**	**915.817.11**	**815.817.11**
38	28,5	19	90°	63,5	10			**915.380.11**		
38	28,5	19	90°	70	10					**815.880.11**

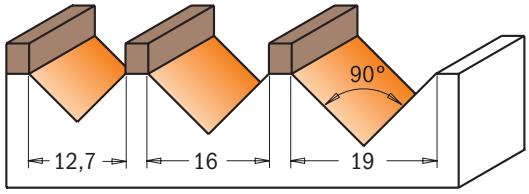


7/8/915B

HW Z2 RH

In addition, CMT has versatile top bearing bits that allow for several template options of your choice (see series 715B-815B-915B). Like all CMT bits, they are made of super strength Fatigue Proof® steel with carbide-tipped cutting edges and are coated with our trademark orange PTFE non-stick coating. These bits are ideal for routing signs, or almost any project that is suitable for accurate template routing.

Tips: these bits perfectly chamfer at 45° angles (Two tools in one)



Drawings are 1:1 scale

D mm	I mm	I1 mm	A	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
12,7	12,7	6,35	90°	44,5	10		**815.127.11B**		
16	12,7	8	90°	52,8	10			**915.160.11B**	
19	16	9,5	90°	55,5	10	**715.190.11B**			
19	16	9,5	90°	63,5	10				**815.690.11B**

Spare parts **990.005.00** M3x3mm STEI screw

Spare parts

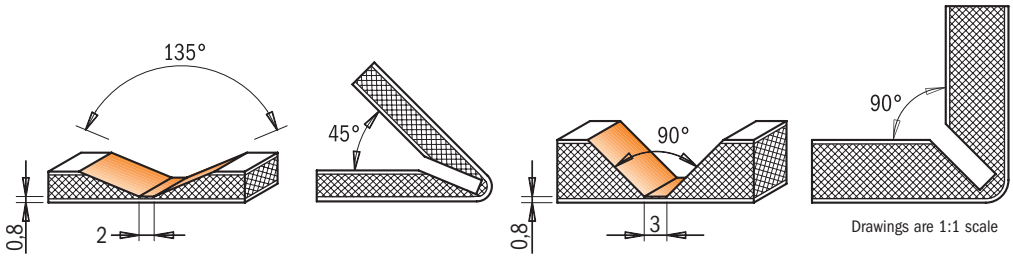
791.010.00	541.001.00	991.056.00
791.025.00	541.004.00	991.056.00
791.007.00	541.003.00	991.056.00
791.011.00	541.002.00	991.056.00

915

HW Z2 RH

Aluminium Composite Material (ACM) panels can be shaped using a very simple processing method. This technique referred to as the 'routing and folding' method, means ACM paneling can be manipulated in a variety of shapes and sizes.
- a V-shaped groove is routed on the reverse side of the panel using a V-groove router bit thus leaving a thin layer of the core material at the base of the groove - i.e. on the inside of the outer cover sheet;
- the untouched outer cover sheet can now be bent manually, giving an exact, clean folding line along the routed groove. The shape and depth of the groove will determine the outer radius of the folded edge.

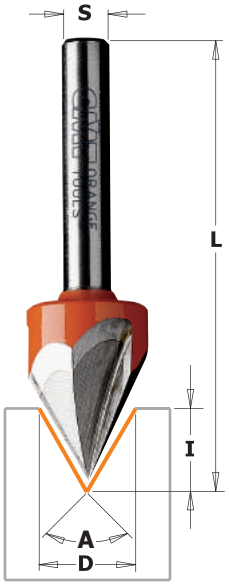
We recommend all routing to be done on either a CNC machine, a portable sheet milling machine or a hand router. The 'routing and folding' method can be used on any ACM product such as Alucobond®, Dibond® or any other product alike. The advantages of this unique technique are:
- Low investment cost
- Simple fabrication technique
- Folding can be done on site, saving transportation costs
- Low-cost fabrication of shaped components, wall cladding, roof edgings, column cladding, flashings, etc.
- Flexibility in creating shapes
- Very cost effective
- Shapes are not limited by machine capacity.



Drawings are 1:1 scale

D mm	I mm	A	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm		
18	7,4	90°	60	10	**715.001.11**	**815.001.11**	**915.001.11**		
18	3,3	135°	60	10	**715.002.11**	**815.002.11**	**915.002.11**		

Laser Point Bit

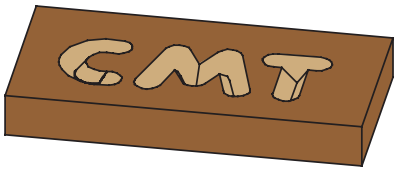


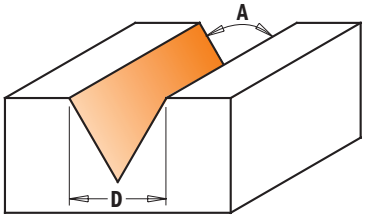
7/858.002

7/8/958

HWM HW Z1 Z2 Z3 RH

This bit crafts delicate grooves and incisions with laser precision. Make one-of-a-kind effects with 30° bevel edges in one single run. Equipped with three super sharp cutting edges, this perfectly balanced bit allows you to work with incredible accuracy with no risk of burning. Raise the bit and produce a delicate fine point incision, or work the whole 12,7mm diameter to render bold highlighted lettering. Super strong steel shank and micrograin carbide cutting edges guarantee long lasting performance.





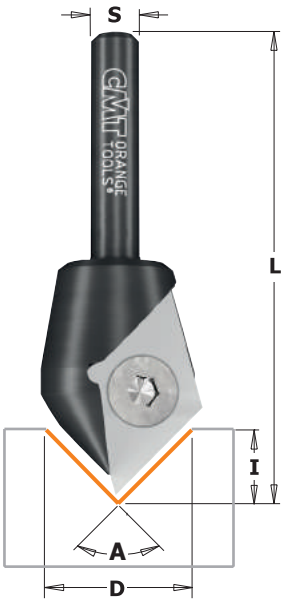
Drawing is 1:1 scale

8/958.003

• **HWM**

D mm	I mm	A	Z	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm		ORDER NO. S=Ø12,7mm
•6	9	35°	1	50	10	**758.002.11**				
•6,35	9,5	35°	1	50,8	10		**858.002.11**			
12,7	11	60°	3	57,2	10	**758.001.11**	**858.001.11**	**958.001.11**		
12,7	11	60°	3	60,3	10					**858.501.11**
12,7	10	60°	2	50,8	10		**858.003.11**	**958.003.11**		

V-Grooving & Signmaking Router Bits with indexable knives (90°)

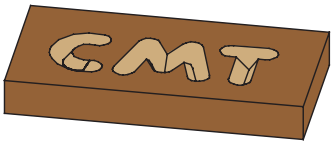


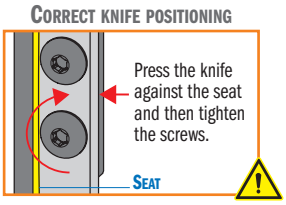
665

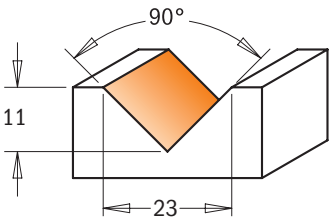
INSERT CARBIDE | Z1 | RH | 2X LONGER LIFE

These bits have been designed for signmaking and lettering. When the insert shows signs of wear, you can simply rotate it to exploit the other cutting edges. A locking screw secures the insert tightly for added safety and extreme cutting accuracy.

TECHNICAL DETAILS:
- Super strength steel.
- 1 HW precision insert knife [Z1].





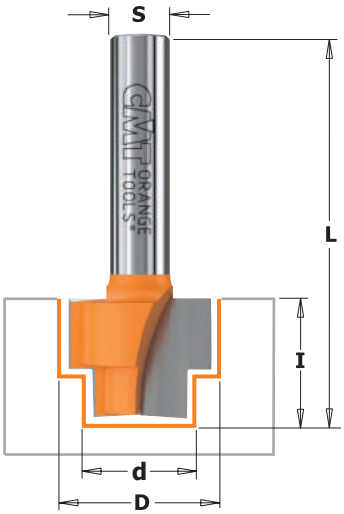


A	D mm	I mm	L mm		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
90°	23	11	60	10	**665.201.11**	**665.200.11**

Spare parts

790.280.00	990.093.00	991.073.00

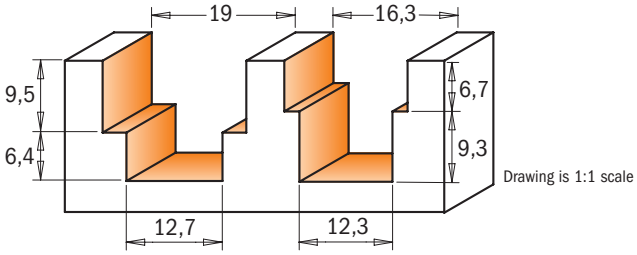
Stepped Rebate Router Bit



965

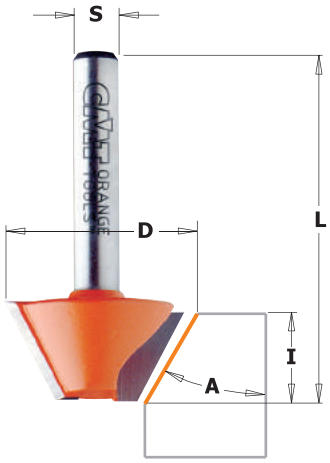
HW | α | Z2 | RH

Router bit featuring 2 carbide-tipped cutting edges for producing double rebates on wood and wood composites. Designed for accepting library/bookcase shelving strips or for accommodating hardware into your window slots.



d mm	D mm	I mm	L mm			ORDER NO. S=Ø8mm		
12,3	16,3	16	80		10	**965.122.11**		
12,7	19	15,9	50,8		10	**965.121.11**		

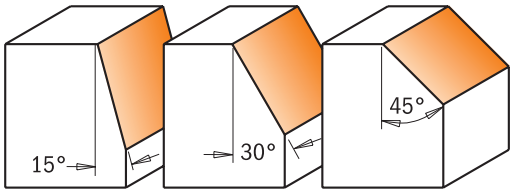
Chamfer Bits



703/4/5 - 903/4/5

HW | α | Z2 | RH

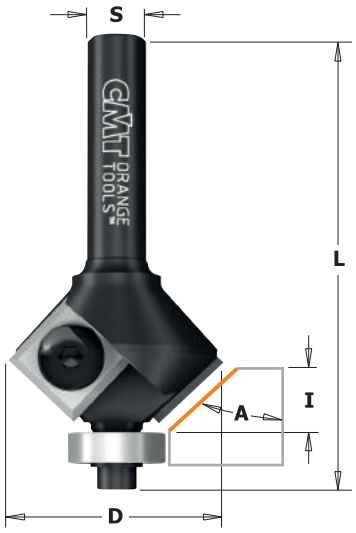
From a gently beveled edge to decorative chamfers in a variety of materials, CMT offers smooth results.



Drawings are 1:1 scale

A	D mm	I mm	L mm		ORDER NO. S=Ø6mm		ORDER NO. S=Ø8mm		
15°	24	14	46	10	**703.240.11**		**903.240.11**		
30°	26	12,7	44,5	10	**704.240.11**		**904.240.11**		
45°	25	8	41	10	**705.240.11**		**905.240.11**		

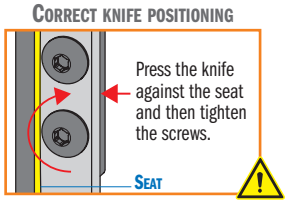
Chamfer Bits with Insert Knives

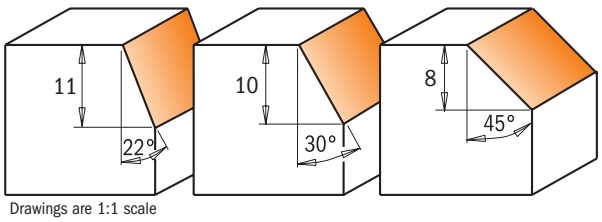


659

INSERT CARBIDE | Z2 | RH | 4X LONGER LIFE

Bevel and Chamfer trim bits with two replaceable knives fixed by special Torx screws. The knives are sharpened on all 4 sides and provide three extra new edges. Guided bevel and chamfer trim bits type 659 are equipped with the ball bearing guides. Type 658 is unguided. For specialist applications requiring economy of replaceable tips. For precision work on laminates, MDF or for quick rounded edges in hard wood. For use on portable Routers or CNC machining centers.





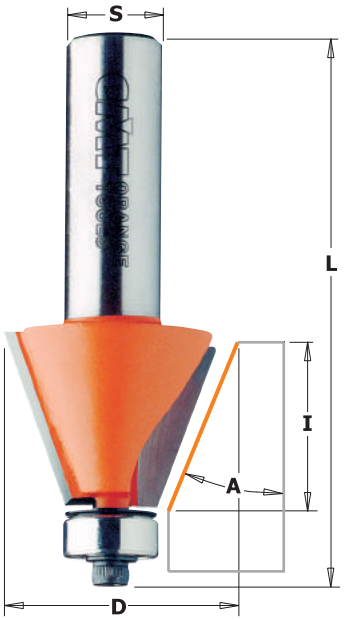
Drawings are 1:1 scale

658

A	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts		
45°	29	8	52	10	**658.047.11**		**658.045.11**		790.120.00	990.075.00	
22°	25	11	65	10	**659.024.11**	**659.023.11**	**659.022.11**		790.120.00	990.075.00	791.006.00
30°	28	10	66	10	**659.032.11**	**659.031.11**	**659.030.11**		790.120.00	990.075.00	791.006.00
45°	29	8	60	10	**659.047.11**	**659.046.11**	**659.045.11**		790.120.00	990.075.00	791.022.00
45°	29	8	68	10				**659.646.11**	790.120.00	990.075.00	791.022.00

Spare parts

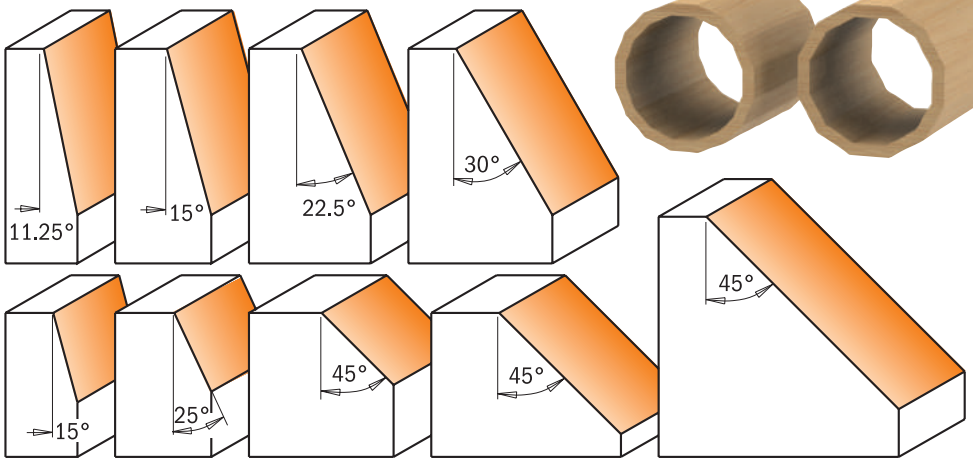
990.400.00	Ø3.2/Ø7mm shield for M3 screw
990.051.00	M3x6mm TCEI screw
991.062.00	2,5mm hex key
991.061.00	T15 Torx key



7/8/936 - 8/957

HW | α | Z2 | RH

CMT chamfer bits can cut clean, accurate bevels and chamfers and are great for edge work or for making perfectly aligned multi-sided containers, boxes and other decorative projects.
See illustration below for examples. Can be used for working larger scale projects such as beams and columns with excellent results.



Drawings are 1:1 scale

A	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
15°	19	11,5	54,9	10	**736.130.11**	**836.130.11**	**936.130.11**			990.423.00	791.003.00	990.058.00	991.057.00
25°	22,2	10	54,9	10	**736.190.11**	**836.190.11**	**936.190.11**			990.423.00	791.003.00	990.058.00	991.057.00
45°	31,7	9,5	53	10	**736.280.11**	**836.280.11**	**936.280.11**			990.423.00	791.003.00	990.058.00	991.057.00
45°	45	18	60,2	10	**736.420.11**	**836.420.11**	**936.420.11**			990.423.00	791.003.00	990.058.00	991.057.00
45°	45	18	66,5	10				**936.920.11**	**836.920.11**	990.423.00	791.003.00	990.058.00	991.057.00
45°	65	26	76,7	5				**936.950.11**	**836.950.11**	990.423.00	791.003.00	990.058.00	991.057.00
11,25°	21,5	22	71,1	10				**957.504.11**	**857.504.11**	990.423.00	791.003.00	990.058.00	991.057.00
15°	24,5	22	71,1	10				**957.503.11**	**857.503.11**	990.423.00	791.003.00	990.058.00	991.057.00
22,5°	31	22	71,1	10				**957.502.11**	**857.502.11**	990.423.00	791.003.00	990.058.00	991.057.00
30°	38,5	22	71,1	10				**957.501.11**	**857.501.11**	990.423.00	791.003.00	990.058.00	991.057.00

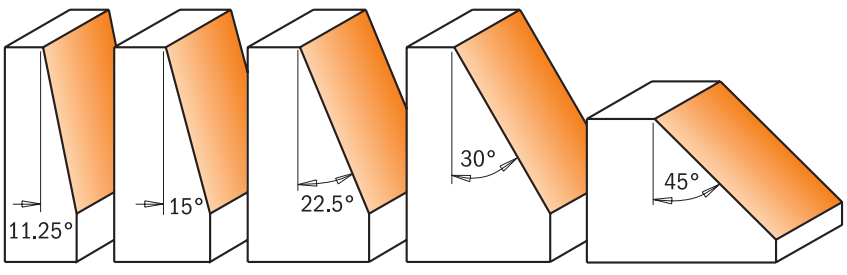
SHOP TIPS: undersized bearing to use after resharpening.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Chamfer Set

836

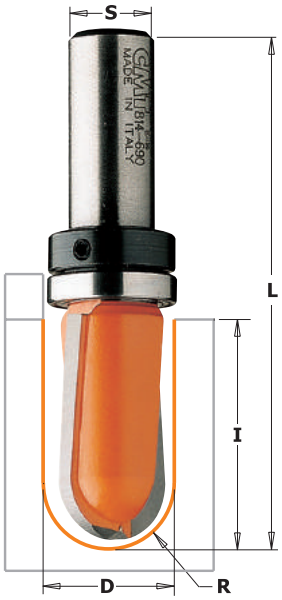
HW | α | Z2 | RH

Build beautiful planters, boxes and other multi-sided pieces with this handy set. Why cut imperfect angles on your table saw when it's so much easier and accurate to use the CMT Chamfer set? Our solution to accurate polygon construction includes 5 anti-kickback, carbide tipped bits in the most popular angles - 11-1/4°, 15°, 22-1/2°, 30° and 45°. No polygon project is too difficult. Available with 12,7mm shank.

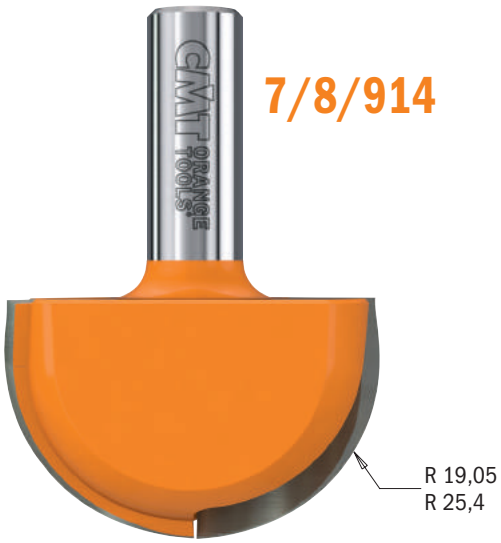


Drawings are 1:1 scale

DESCRIPTION		ORDER NO. S=Ø12,7mm
Chamfer Set	5	**836.501.11**



7/8/914B



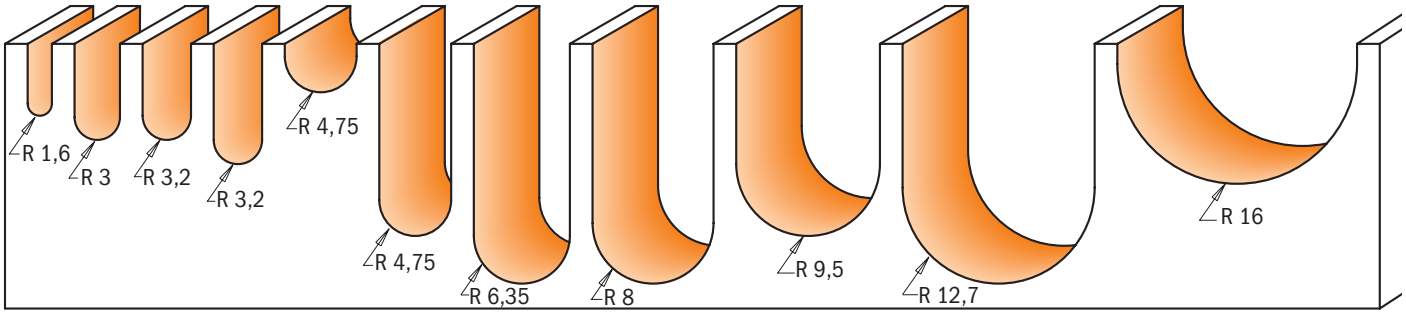
7/8/914

HWM HW Z2 RH

Personalize your doors, drawer fronts, panels or any surface you choose with your own signature motif. CMT round nose bits in solid carbide or with carbide tipped flutes let you create engraving in any wood or wood product. We offer a complete selection of diameters and cutting depths so you can achieve the effects you want. Mounted on your router table, you can work materials up to 31,7mm in depth.
For even more elaborate decorations, we also offer top bearing bits - use your own template with one of these bits to produce truly unique doors and drawer fronts.
A favourite item for professional sign makers, craft makers and hobbyists.

SHOP TIPS: more than one pass is recommended when making cove edges. To prevent splintering, begin with a shallow initial pass and deepen gradually.

Drawings are 1:1 scale



R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
•1,6	3,2	9,5	50,8	10	**714.032.11**	**814.032.11**	**914.032.11**		
•1,6	3,2	12,7	50,8	10		**199.001.11**			
•3	6	12,7	50,8	10	**714.060.11**		**914.060.11**		
•3	6	27	70	10	**199.060.11**				
•3,2	6,4	12,7	50,8	10		**814.064.11**			
•3,2	6,4	25,4	63,5	10		**199.008.11**			
•3,2	6,4	15,9	63,5	10					**814.564.11**
•4	8	32	80	10			**199.081.11**		
4,75	9,5	6,4	50,8	10	**714.095.11**	**814.095.11**	**914.095.11**		
4,75	9,5	25,4	66,7	10					**814.595.11**
•6	12	35	80	10				**199.120.11**	
6,35	12,7	9,5	50,8	10	**714.127.11**	**814.127.11**	**914.127.11**		
6,35	12,7	31,7	73	10				**914.627.11**	**814.627.11**
•6,35	12,7	31,7	76,2	10					**199.505.11**
8	15,8	9,5	50,8	10	**714.160.11**	**814.160.11**	**914.160.11**		
8	15,8	31,7	73	10					**814.660.11**
9,5	19	11,3	50,8	10	**714.190.11**	**814.190.11**	**914.190.11**		
9,5	19	25	63,5	10			**914.191.11**		
9,5	19	31,7	73	10				**914.690.11**	**814.690.11**
11	22	25,4	63,5	10			**914.221.11**		
12,7	25,4	16	58,8	10			**914.254.11**		
12,7	25,4	31,7	73	10				**914.754.11**	**814.754.11**
16	31,7	18,5	58,8	10				**914.817.11**	**814.817.11**
19,05	38,1	31,7	69,8	10				**914.880.11**	**814.880.11**
25,4	50,8	31,7	69,8	10				**914.990.11**	**814.990.11**
With Top Bearing									
6,35	12,7	9,5	50,8	10		**814.127.11B**			
8	15,8	9,5	50,8	10		**814.160.11B**			
8	15,8	9,5	50,8	10			**914.160.11B**		
9,5	19	11,3	50,8	10	**714.190.11B**				
9,5	19	11,3	50,8	10		**814.190.11B**			
9,5	19	31,7	73	10					**814.690.11B**

Spare parts 990.005.00 M3x3mm TSEI screw

199

Spare parts

791.010.00	541.001.00	991.056.00
791.009.00	541.001.00	991.056.00
791.025.00	541.004.00	991.056.00
791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00

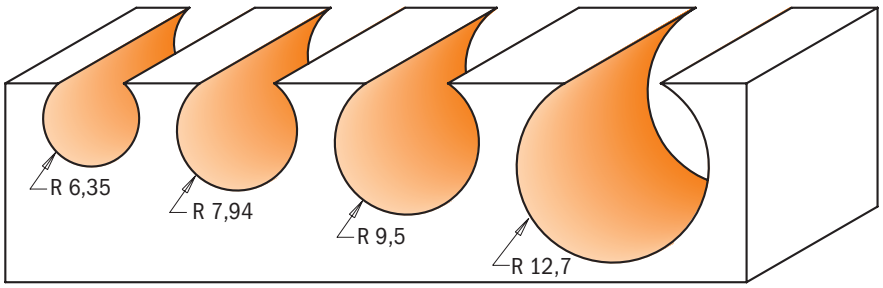
• HWM

Ball End Bit

8/968

HW | Z2 | RH

Cut channels for pipes or cables in one single pass using CMT's ball end bits.
Reduce the stress on the bits by cutting a first groove with a straight bit.



Drawings are 1:1 scale

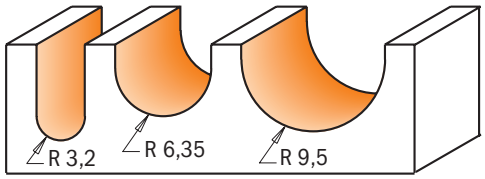
R mm	D mm	I mm	L mm				ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
6,35	12,7	11	57,15			10	**968.127.11**		**868.627.11**
7,94	15,88	14,2	60,3			10	**968.158.11**		**868.658.11**
9,52	19,05	17,4	63,5			10	**968.190.11**		**868.690.11**
12,7	25,4	23,5	70			10		**968.754.11**	**868.754.11**

Round Nose Set

814

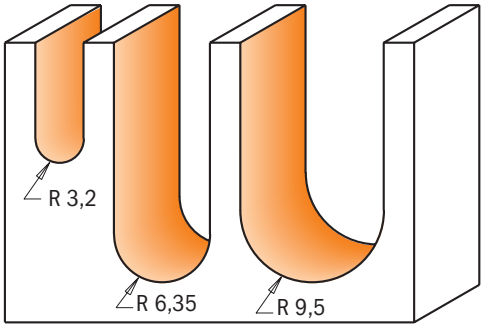
HWM | HW | Z2 | RH

Each of these sets include 3 of the most widely used CMT Round Nose bits. These solid carbide or carbide tipped bits are perfect for sign making, engraving, or adding flutes and veins to doors or drawer fronts. Available in 6,35mm and 12,7mm shanks.



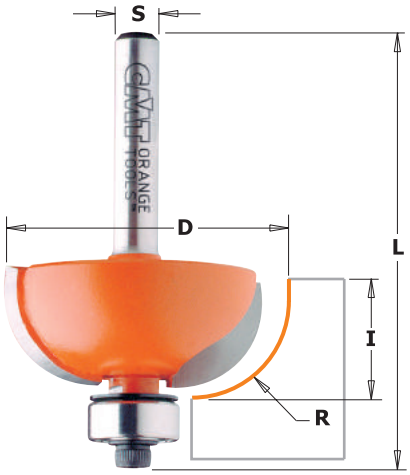
814.001.11

Drawings are 1:1 scale



814.501.11

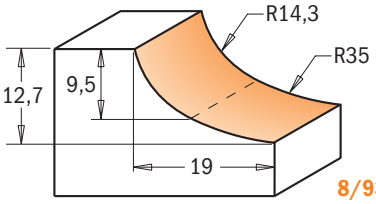
DESCRIPTION		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
Round Nose Set	5	**814.001.11**	**814.501.11**



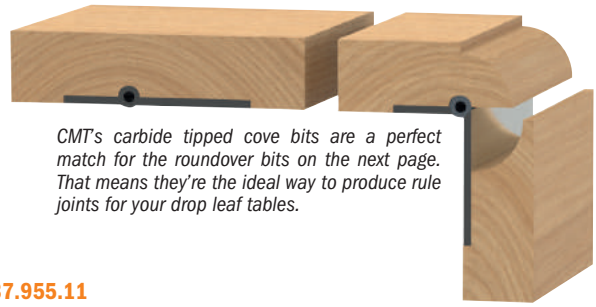
7/8/937

HW | α | Z2 | RH

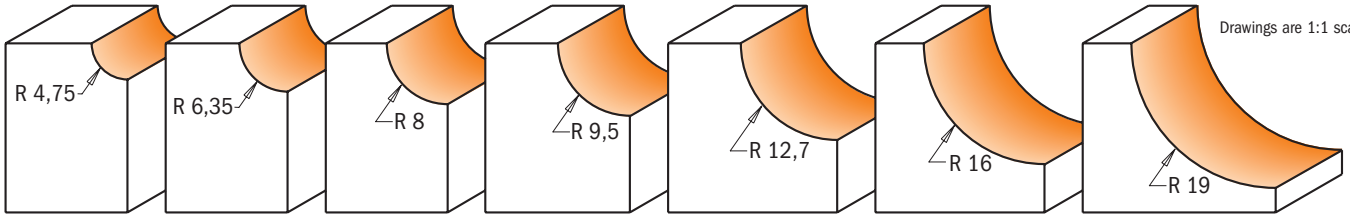
Make simple or elegant furniture, doors and drawer fonts by adding a final touch with CMT cove bits. Join them together with a CMT roundover bit and make perfectly fitting rule joints. Ideal for drop leaf counter and table tops. These bits feature anti-kickback design, carbide-tipped cutting edges, Fatigue Proof® steel body and PTFE non-stick coating.



8/937.955.11



CMT's carbide tipped cove bits are a perfect match for the roundover bits on the next page. That means they're the ideal way to produce rule joints for your drop leaf tables.



Drawings are 1:1 scale

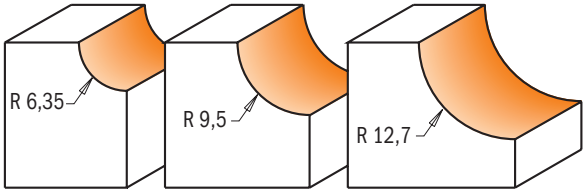
R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4,75	22,2	12,7	54,9	10	**737.190.11**	**837.190.11**	**937.190.11**			990.423.00	791.003.00	990.058.00	991.057.00
4,75	22,2	12,7	61,2	10				**937.690.11**	**837.690.11**	990.423.00	791.003.00	990.058.00	991.057.00
6,35	25,4	12,7	54,9	10	**737.222.11**	**837.222.11**	**937.222.11**			990.423.00	791.003.00	990.058.00	991.057.00
6,35	25,4	12,7	61,2	10				**937.722.11**	**837.722.11**	990.423.00	791.003.00	990.058.00	991.057.00
8	28,7	12,7	54,2	10	**737.254.11**	**837.254.11**	**937.254.11**			990.423.00	791.003.00	990.058.00	991.057.00
8	28,7	12,7	60,5	10				**937.754.11**	**837.754.11**	990.423.00	791.003.00	990.058.00	991.057.00
9,5	31,7	12,7	54,2	10	**737.286.11**	**837.286.11**	**937.286.11**			990.423.00	791.003.00	990.058.00	991.057.00
9,5	31,7	12,7	60,5	10				**937.786.11**	**837.786.11**	990.423.00	791.003.00	990.058.00	991.057.00
12,7	38,1	15,5	57,7	10	**737.350.11**	**837.350.11**	**937.350.11**			990.423.00	791.003.00	990.058.00	991.057.00
12,7	38,1	15,5	64	10				**937.850.11**	**837.850.11**	990.423.00	791.003.00	990.058.00	991.057.00
16	44,5	18,5	67	10				**937.950.11**	**837.950.11**	990.423.00	791.003.00	990.058.00	991.057.00
19	50,8	22,2	70,7	10				**937.951.11**	**837.951.11**	990.423.00	791.003.00	990.058.00	991.057.00
14,3-35	50,8	12,7	61,2	10				**937.955.11**	**837.955.11**	990.423.00	791.003.00	990.058.00	991.057.00

Cove Bit Set

837

HW | α | Z2 | RH

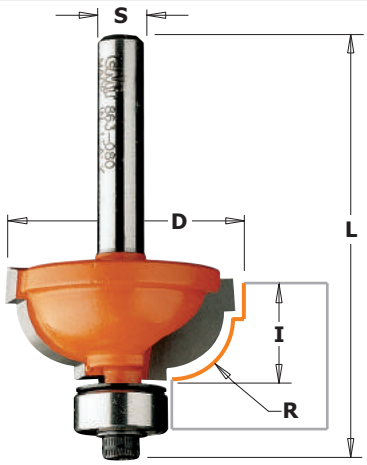
See simple furniture, doors and drawer fronts transform into elegant pieces by giving them a final touch with a CMT Cove Bit. Pair them up with CMT Roundover Bits and make beautiful rule joints to create drop leaf counter and table tops.
Anti-kickback design and thick carbide tips for long lasting performance.
Available with a 12,7mm or 6,35mm shank. Cove radii are 6,35mm, 9,5mm and 12,7mm.



Drawings are 1:1 scale

DESCRIPTION		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
Cove Bit Set	5	**837.001.11**	**837.501.11**

Cavetto Edge Mould Bits

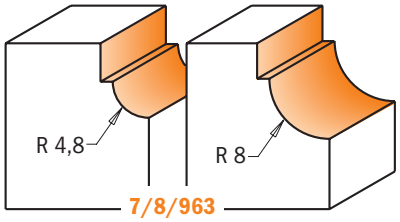


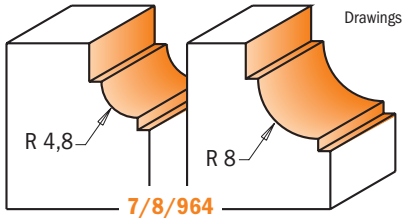
7/8/963 - 7/8/964

HW | α | Z2 | RH

The cavetto bit cuts beautiful, traditional profiles, but you may also use just a portion of the bit to cut a more simple and cleaner cove edge. This bit adds a special touch to furniture pieces by making traditional cove profiles with top and bottom fillet grooves in any kind of wood and wood composites.

SHOP TIPS: undersized bearing to use after resharpening.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening





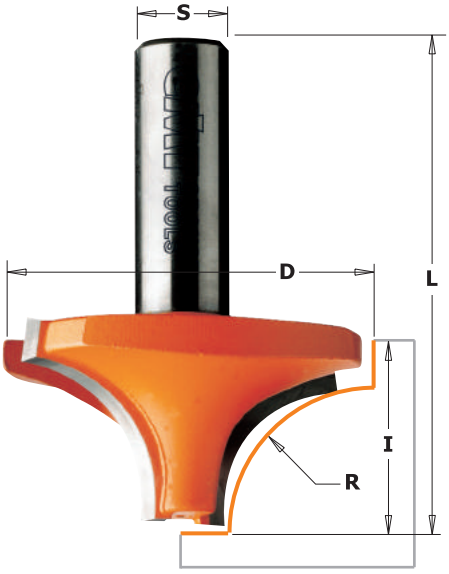
Drawings are 1:1 scale

R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
4,8	25,4	11,5	54,6	10	**763.048.11**	**863.048.11**	**963.048.11**		
4,8	25,4	11,5	60,9	10				**963.548.11**	**863.548.11**
8	31,7	14,3	56,9	10	**763.080.11**	**863.080.11**	**963.080.11**		
8	31,7	14,3	63	10				**963.580.11**	**863.580.11**
4,8	25,4	11,5	52,8	10	**764.048.11**	**864.048.11**	**964.048.11**		
4,8	25,4	11,5	59,1	10				**964.548.11**	**864.548.11**
8	31,7	14,3	55,1	10	**764.080.11**	**864.080.11**	**964.080.11**		
8	31,7	14,3	61	10				**964.580.11**	**864.580.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

Ovolo Bits

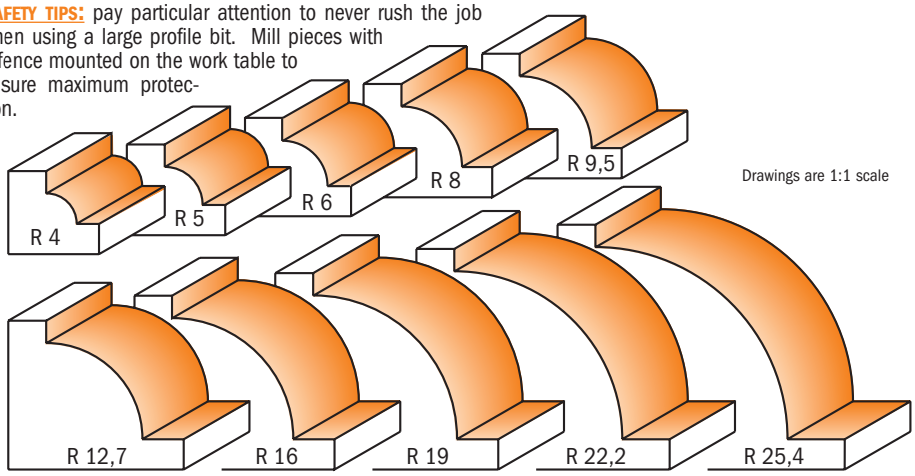


7/8/927

HW | α | Z2 | RH

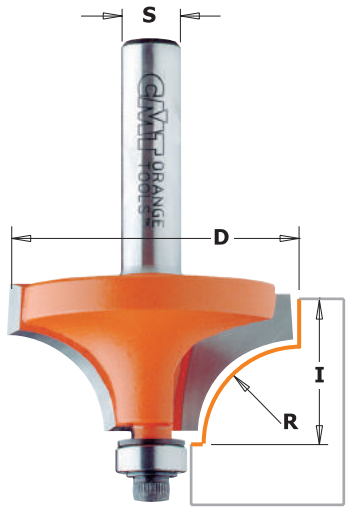
CMT put the work capacity of several different bits all into one. The perfect bit for furniture makers, the CMT ovolo allows you to make beautiful beadwork, edgework and veins. Use these bits on automated router systems or with a fence to produce a wide variety of single and double bead profiles and roundovers like those illustrated below by simply adjusting the height or depth of the cut.

SAFETY TIPS: pay particular attention to never rush the job when using a large profile bit. Mill pieces with a fence mounted on the work table to ensure maximum protection.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
4	19	12	43,8	10	**727.040.11**		**927.040.11**		
5	21	12	43,8	10	**727.050.11**	**827.050.11**	**927.050.11**		
6	23	12	43,8	10	**727.060.11**	**827.060.11**	**927.060.11**		
6	23	12	50,1	10					**827.560.11**
8	28,6	12,7	44,5	10	**727.080.11**		**927.080.11**		
9,5	31,7	15,8	47,6	10	**727.095.11**	**827.095.11**	**927.095.11**		
9,5	31,7	15,8	54	10				**927.595.11**	**827.595.11**
12,7	38,1	19	50,8	10		**827.127.11**			
12,7	38,1	19	57,1	10				**927.627.11**	**827.627.11**
16	44,5	22,2	60,3	10				**927.660.11**	**827.660.11**
19	50,8	25,4	63,5	10				**927.690.11**	**827.690.11**
22,2	57,1	28,5	66,6	5				**927.722.11**	**827.722.11**
25,4	63,5	33,3	71,4	5				**927.754.11**	**827.754.11**

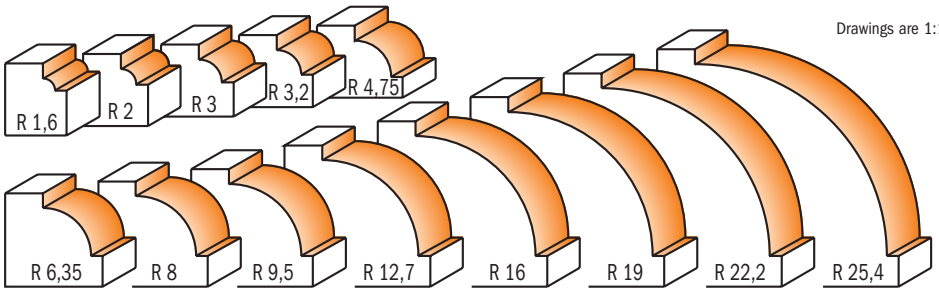


7/8/939

HW | Z2 | RH

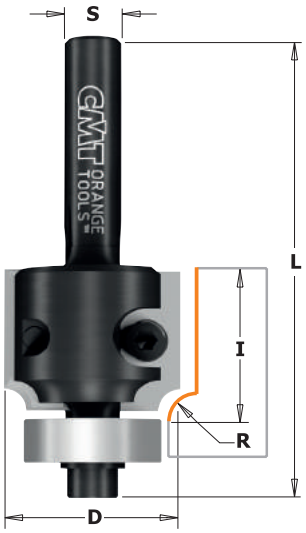
Beading bits are similar to the roundover profile, but a smaller bearing produces a delicate inset at the base of the cut, giving you an extra decorative option. For a beading profile (code **7/8/939**) simply change the bearing **(791.002.00)** on your roundover bits (code **7/8/938**).

Drawings are 1:1 scale



***Use only on router table**

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
1,6	15,9	12,7	10	**739.160.11**	**839.160.11**	**939.160.11**			990.422.00	791.002.00	990.058.00	991.057.00
2	16,7	12,7	10			**939.167.11**			990.422.00	791.002.00	990.058.00	991.057.00
3	18,7	12,7	10			**939.187.11**			990.422.00	791.002.00	990.058.00	991.057.00
3,2	19,1	12,7	10	**739.190.11**	**839.190.11**	**939.190.11**			990.422.00	791.002.00	990.058.00	991.057.00
4,75	22,2	12,7	10	**739.222.11**	**839.222.11**	**939.222.11**			990.422.00	791.002.00	990.058.00	991.057.00
6,35	25,4	12,7	10	**739.254.11**	**839.254.11**	**939.254.11**	**939.754.11**	**839.754.11**	990.422.00	791.002.00	990.058.00	991.057.00
8	28,6	12,7	10	**739.285.11**	**839.285.11**	**939.285.11**			990.422.00	791.002.00	990.058.00	991.057.00
9,5	31,7	16	10	**739.317.11**	**839.317.11**	**939.317.11**	**939.817.11**	**839.817.11**	990.422.00	791.002.00	990.058.00	991.057.00
12,7	38,1	19	10	**739.380.11**	**839.380.11**	**939.380.11**	**939.880.11**	**839.880.11**	990.422.00	791.002.00	990.058.00	991.057.00
16	44,5	22	10		**839.445.11**	**939.445.11**	**939.945.11**	**839.945.11**	990.422.00	791.002.00	990.058.00	991.057.00
19	50,8	25,4	10				**939.990.11**	**839.990.11**	990.422.00	791.002.00	990.058.00	991.057.00
22,2	57,1	28,5	5				**939.991.11**	**839.991.11**	990.422.00	791.002.00	990.058.00	991.057.00
25,4	63,5	33,3	5				**939.992.11***	**839.992.11***	990.422.00	791.002.00	990.058.00	991.057.00

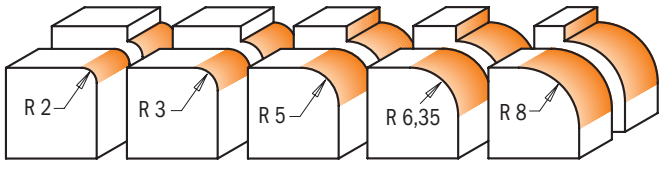


Roundover Bits with Insert Knives

661.11

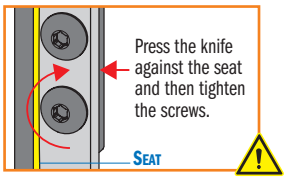
INSERT CARBIDE | Z2 | RH | 4X LONGER LIFE

Roundover bits with two replaceable knives fixed by special Torx screws. The blades are profiled on 2 sides and increase the efficiency of your work with laminates. Roundover bits are equipped with ball bearing guides. For precision work on laminates. Radius R2 or R3 is for rounded 2mm or 3mm ABS edges. Radius R5 is for quick rounded edges in hard wood or MDF. For use on portable Routers.



Drawings are 1:1 scale

CORRECT KNIFE POSITIONING



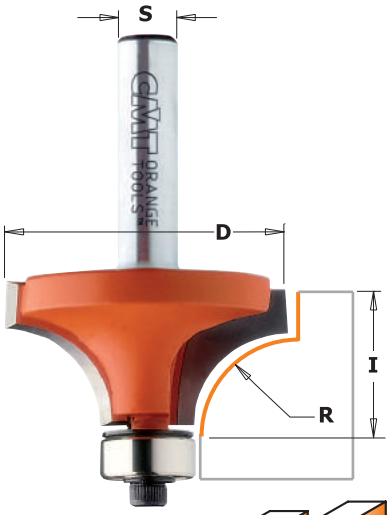
Optional

R=1mm	790.010.04
R=1,5mm	790.015.04
R=2mm	790.020.04
R=3mm	790.030.04

R mm	D mm	I mm	L mm		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts				
2	27		57,5	10	**661.021.41**	**661.020.41**			790.020.04	990.078.00	991.061.00	791.003.00
3	27		57,5	10	**661.031.41**	**661.030.41**			790.030.04	990.078.00	991.061.00	791.003.00
5	28,8	19,5	64	10	**661.051.11**	**661.050.11**		790.050.00		990.076.00	991.061.00	791.007.00
6,35	28,5	24	67	10	**661.064.11**	**661.063.11**		790.064.00		990.075.00	991.061.00	791.006.00
8	31,8	24	67	10		**661.080.11**		790.080.00		990.075.00	991.061.00	791.006.00
8	31,8	24	77	10			**661.581.11**	790.080.00		990.075.00	991.061.00	791.006.00

Spare parts

990.400.00	M3 shield	
990.051.00	M3x6mm TCEI screw	
991.062.00	2,5mm hex key	
990.410.00	M4 shield	
990.052.00	M4x6mm TCEI screw	
991.067.00	3mm hex key	
990.423.00	Shield for 12,7mm bearing	
990.058.00	1/8"x3/8"x1/2" TCEI screw	
991.057.00	3/32" hex key	



7/8/938

HW | α | Z2 | RH

All CMT roundover bits have a 12,7mm bearing diameter with the exception of the radius 28,6mm and 31,7mm bits which have a 19mm bearing diameter. You have 13 different radii to choose from, the majority having 5 shank diameter options. All bits are made of Fatigue Proof® steel and have carbide-tipped cutting edges.

Be Sure to keep the black bearing washer right side up to correspond with the bearing rotation when reassembling the bearing. Improper reassembly can cause the bit to unscrew.

Shop Tips: the CMT 1.6mm radius roundover bit is excellent for finishing laminates. Virtually eliminates the filing required when using conventional trim bits.

Safety Tips: use caution when working with large diameter bits and make more than one pass to gradually remove stock. Pay particular attention when routing small pieces; and always rout on a router table equipped with a fence.

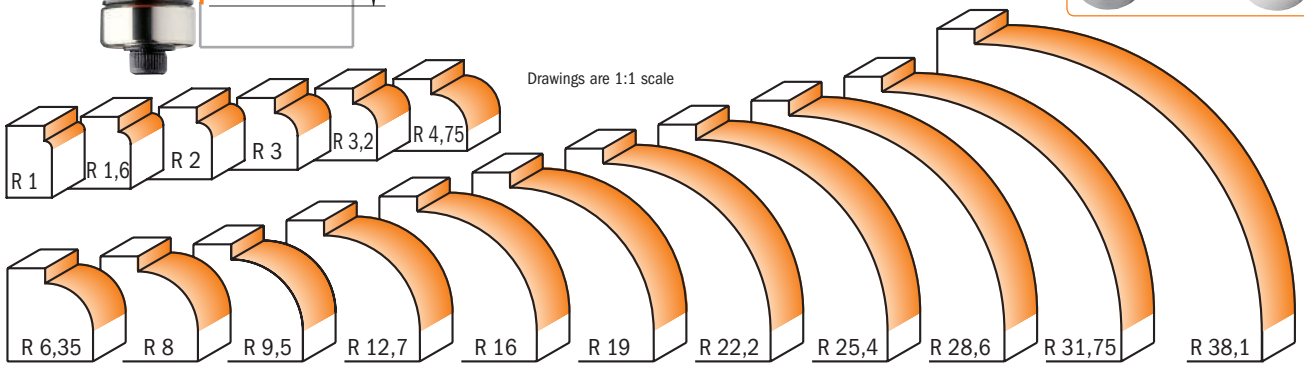
Shop tips: undersized bearing to use after resharpening.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Spare parts

Steel 791.003.00

Delrin® 791.044.00

Drawings are 1:1 scale



R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
1	14,7	10	10		838.147.11	938.147.11			990.422.00	791.044.00	990.058.00	991.057.00
1,6	15,9	12,7	10	738.160.11	838.160.11	938.160.11			990.423.00	791.003.00	990.058.00	991.057.00
2	16,7	12,7	10	738.167.11°		938.167.11°			990.422.00	791.044.00	990.058.00	991.057.00
2	16,7	12,7	10		838.167.11				990.423.00	791.003.00	990.058.00	991.057.00
3	18,7	12,7	10	738.187.11°		938.187.11°			990.422.00	791.044.00	990.058.00	991.057.00
3	18,7	12,7	10		838.187.11				990.423.00	791.003.00	990.058.00	991.057.00
3,2	19,1	12,7	10	738.190.11	838.190.11	938.190.11			990.423.00	791.003.00	990.058.00	991.057.00
4,75	22,2	12,7	10	738.222.11	838.222.11	938.222.11			990.423.00	791.003.00	990.058.00	991.057.00
6,35	25,4	12,7	10	738.254.11	838.254.11	938.254.11	938.754.11	838.754.11	990.423.00	791.003.00	990.058.00	991.057.00
8	28,6	12,7	10	738.285.11	838.285.11	938.285.11			990.423.00	791.003.00	990.058.00	991.057.00
9,5	31,7	16	10	738.317.11	838.317.11	938.317.11	938.817.11	838.817.11	990.423.00	791.003.00	990.058.00	991.057.00
12,7	38,1	19	10	738.380.11	838.380.11	938.380.11	938.880.11	838.880.11	990.423.00	791.003.00	990.058.00	991.057.00
16	44,5	22	10		838.445.11	938.445.11	938.945.11	838.945.11	990.423.00	791.003.00	990.058.00	991.057.00
19	50,8	25,4	10				938.990.11	838.990.11	990.423.00	791.003.00	990.058.00	991.057.00
22,2	57,1	28,5	5				938.991.11	838.991.11	990.423.00	791.003.00	990.058.00	991.057.00
25,4	63,5	33,3	5				938.992.11*	838.992.11*	990.423.00	791.003.00	990.058.00	991.057.00
28,6	76,2	38,1	5				938.993.11*	838.993.11*	541.550.00	791.004.00	990.058.00	991.057.00
31,75	82,5	44,4	5				938.994.11*	838.994.11*	541.550.00	791.004.00	990.058.00	991.057.00
38,1	88,9	44,4	5				938.996.11*	838.996.11*	990.423.00	791.003.00	990.058.00	991.057.00

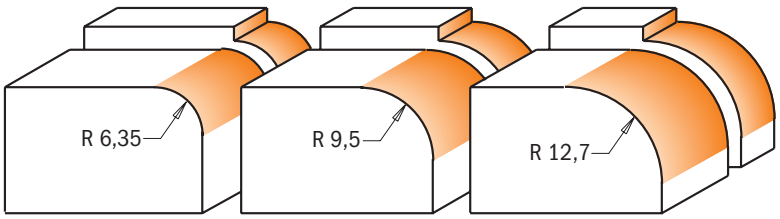
***Use only on router table**

°791.044.00 Delrin® Bearing

Roundover Set

838

HW | α | Z2 | RH

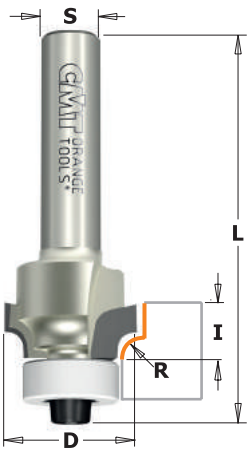


Drawings are 1:1 scale

CMT's roundover sets give you the maximum flexibility for all of your projects by putting the most requested diameters in one package. Available in 12,7mm and 6,35mm shanks. Roundover radii are 6,35mm, 9,5mm and 12,7mm. These versatile bits are always in demand - the simple clean lines of a smooth roundover edge can be used in a wide variety of applications from picture frames to table and counter tops.

Description		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
Roundover set	5	838.001.11	838.501.11

DP Corner Rounding Router Bits for composites and laminates



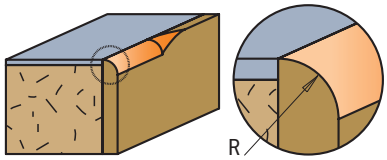
938 XTREME

DP | α | Z2 | RH | 40X LONGER LIFE THAN CARBIDE

These new super duty DP (polycrystalline diamond) bits represent the ultimate in the extensive line of CMT rounding over bits. Investing in CMT DP rounding bits means saving time and money, as they last 40 times longer than conventional bits.
You could work a wide variety of tough, abrasive materials including composites, particleboard, MDF (both raw or with melamine), veneer and hardwoods.

Excellent for Corner Rounding:
- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panels
- Custom Composite Materials
- Fiberglass
- Fiberglass PCB Board
- Fiberglass Reinforced Composites
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Hard and Soft Wood
- Lightweight Composites
- MDF
- Plastic

Benefits of Diamond Technology
- Harder cutting edge provides higher resistance to wear
- Cut thousands of meters more than carbide without changing tool, saving setup time
- Optimized machine tool efficiency
- Quality of finish is often significantly improved



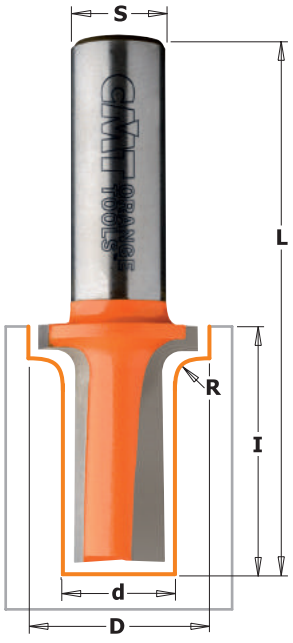
R mm	D mm	I mm				ORDER NO. S=Ø8mm		
2	16,7	8	10			**938.167.61**		
3	18,7	8	10			**938.187.61**		

Spare parts

990.422.00	791.044.00	990.058.00	991.057.00
990.422.00	791.044.00	990.058.00	991.057.00

791.044.00 **Delrin® bearing**

Decorative Ogee Bits



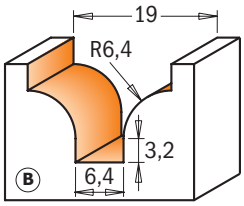
8/965.905

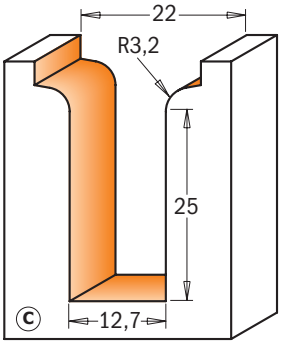
8/965.903
8/965.904

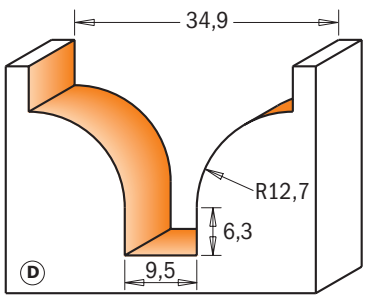
8/965.9

HW | α | Z2 | RH

Enhance your doors and drawer fronts and leave your visitors amazed! The cutting edges on these ogee bits are carbide-tipped for effective, smooth and eye-catching work.

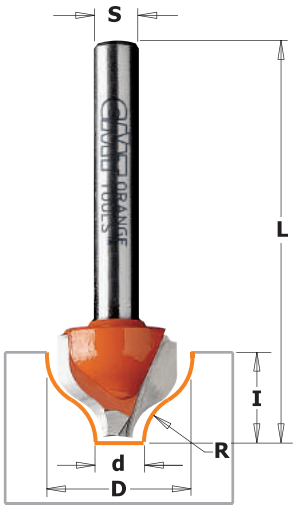






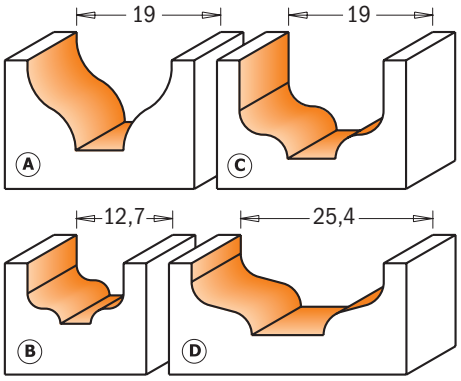
Drawings are 1:1 scale

D mm	d mm	R mm	I mm	L mm	PROFILE				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	6,4	6,4	13	51	B			10	**965.903.11**	**865.903.11**
22	12,7	3,2	31,7	69,8	C			10	**965.905.11**	**865.905.11**
34,9	9,5	12,7	25	65,5	D			10	**965.904.11**	**865.904.11**

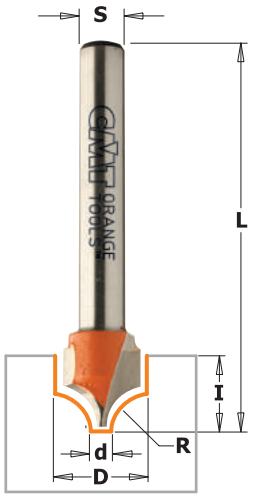


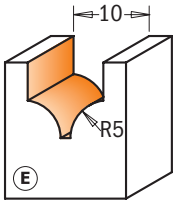
7/8/965

This new CMT bit produces a classic single or double-edged bead. Ideal for creating a marked decorative effect on panel, door and drawer work.



Drawings are 1:1 scale

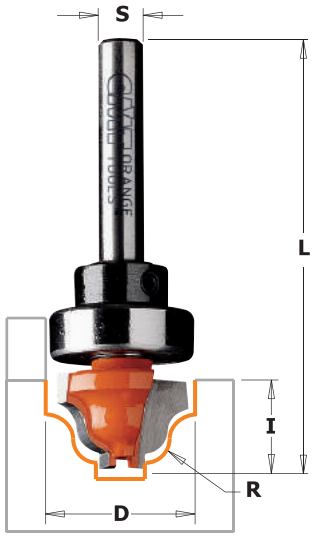




Drawings are 1:1 scale

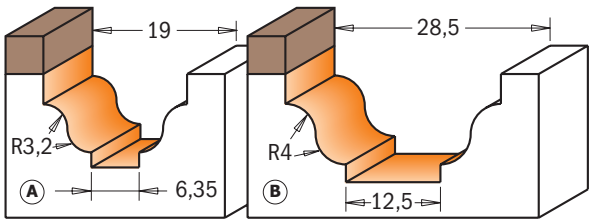
D mm	d mm	R mm	I mm	L mm	Profile		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	6,35	6,4	11	50,8	A	10	**765.001.11**	**865.001.11**	**965.001.11**	**965.501.11**	**865.501.11**
12,7	4	2	8	51	B	10		**865.002.11**	**965.002.11**		
19	6,35	3,2	13	68	C	10				**965.503.11**	**865.503.11**
25,4	9,5	3,2	9,5	49	D	10				**965.504.11**	**865.504.11**
10	1,3	5	10	50	E	10	**765.402.11**	**865.402.11**	**965.402.11**		

Classical Bead Bits

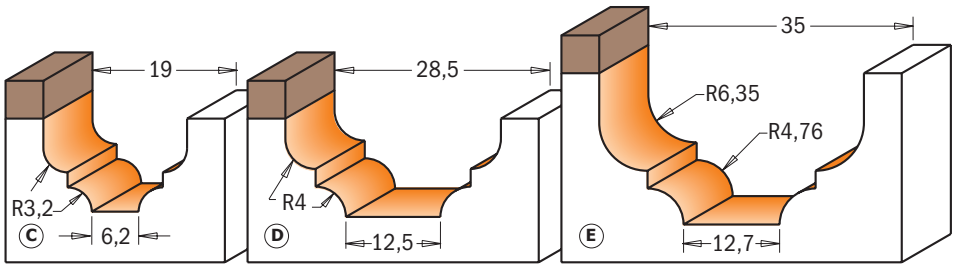


7/8/965B

This bit gives you even more decorative possibilities for panel and edge work. The bit design offers a wide flat bottom cut and a longer shank allows for a greater depth in the detail of the profile.

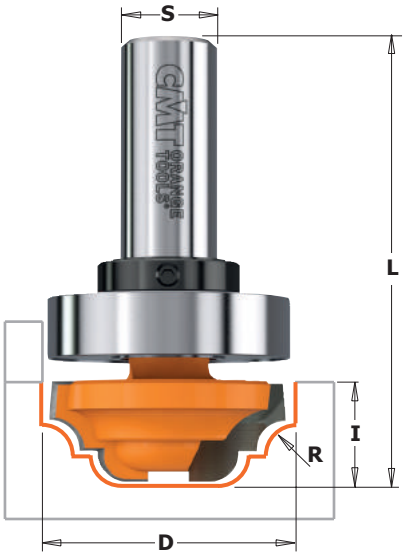


Drawings are 1:1 scale



D mm	R mm	I mm	L mm	Profile		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
19	3,2	12,3	54	A	10	**765.201.11B**					791.007.00	541.003.00	991.056.00
19	3,2	12,3	54	A	10		**865.201.11B**				791.004.00	541.001.00	991.056.00
28,6	4	14,3	58,8	B	10			**965.202.11B**			791.027.00	541.002.00	991.056.00
28,6	4	14,3	58,8	B	10				**965.702.11B**		791.027.00	541.005.00	991.056.00
28,6	4	14,3	58,8	B	10					**865.702.11B**	791.027.00	541.002.00	991.056.00
19	3,2	12,3	54	C	10	**765.301.11B**					791.007.00	541.003.00	991.056.00
19	3,2	12,3	54	C	10		**865.301.11B**				791.004.00	541.001.00	991.056.00
28,6	4	13,3	58	D	10			**965.302.11B**		**865.802.11B**	791.027.00	541.002.00	991.056.00
28,6	4	13,3	58	D	10				**965.802.11B**		791.027.00	541.005.00	991.056.00
34,9	4,76 - 6,35	18,5	66,1	E	10			**965.303.11B**			791.031.00	541.004.00	991.056.00
34,9	4,76 - 6,35	18,5	66,1	E	10					**865.803.11B**	791.029.00	541.002.00	991.056.00

Spare parts **990.005.00** M3x3mm TSEI screw



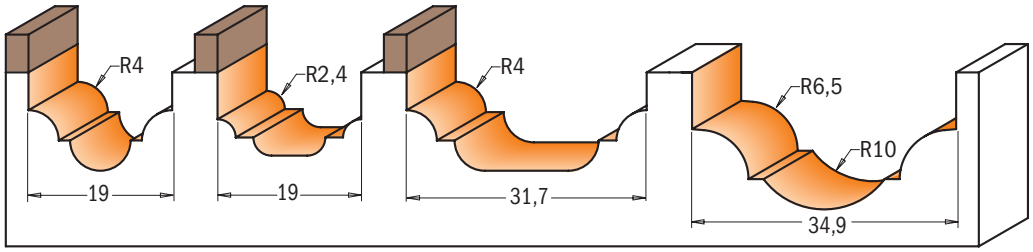
7/8/948B

HW | Z2 | RH

You will never run out of ideas with this creative bit. Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.
For even more options, try the CMT plunge ogee with bearing guide for pattern following.

For more CMT ogee profile options, choose among plunge ogee bits equiped with a top bearing.
Excellent for achieving accurate decorative work and guaranteed for long-lasting performance.

7/8/948

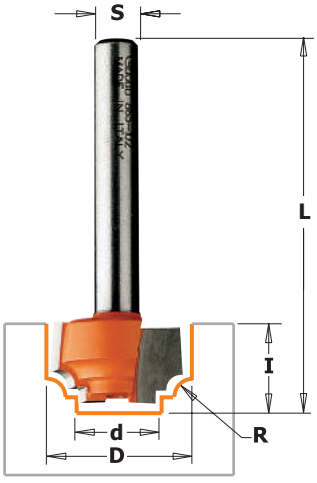


Drawings are 1:1 scale

D mm	R mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	4	13	51,1	10	**748.190.11**	**848.190.11**	**948.190.11**		
19	2,4	12	53	10	**748.191.11**	**848.191.11**	**948.191.11**		
31,7	4	13	58	10			**948.317.11**	**948.817.11**	**848.817.11**
34,9	6,5-10	18	68	10				**948.850.11**	**848.850.11**
With Top Bearing									
19	4	13	51,1	10	**748.190.11B**				
19	4	13	51,1	10		**848.190.11B**			
19	2,4	12	53	10	**748.191.11B**				
19	2,4	12	53	10		**848.191.11B**			
31,7	4	13	58	10			**948.317.11B**		
31,7	4	13	58	10				**948.817.11B**	
31,7	4	13	58	10					**848.817.11B**

Spare parts		
791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.015.00	541.002.00	991.056.00
791.015.00	541.005.00	991.056.00
791.015.00	541.002.00	991.056.00

Spare parts **990.005.00** M3x3mm TSEI screw

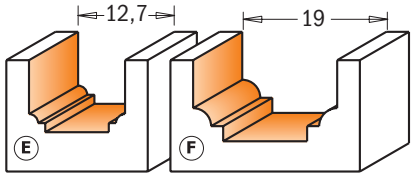


Decorative Ogee Bits

7/8/965.1

HW | Z2 | RH

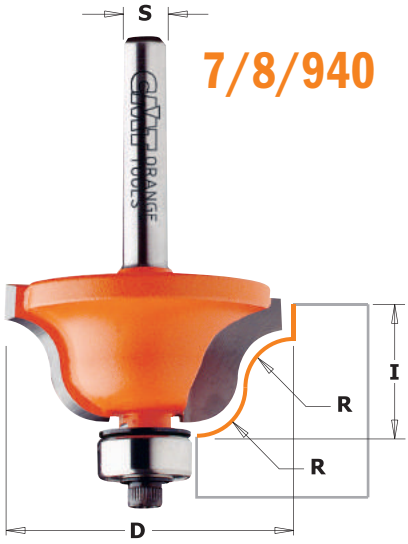
This new CMT bit produces a classic single or double edged bead.
Ideal for creating a marked decorative effect on panel, door and drawer work.



Drawings are 1:1 scale

D mm	d mm	R mm	I mm	L mm	PROFILE		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
12,7	8,4	1,2	12,7	50,8	E	10	**765.101.11**	**865.101.11**	**965.101.11**
19	11,1	2,4	11	50,8	F	10	**765.102.11**	**865.102.11**	**965.102.11**

Roman Ogee Bits

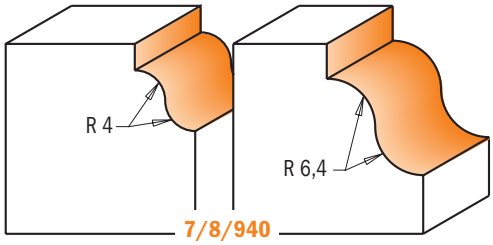


7/8/940

HW Z2 RH

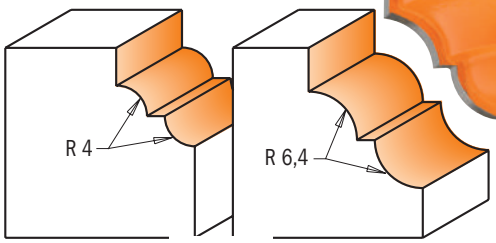
The roman ogee may be the most popular edge treatment in woodworking, and it is certainly one of the most beautiful. This bit includes all CMT bit features and produces a perfect rendition of classic design.

SHOP TIPS: for best results, multiple passes are recommended.



Drawings are 1:1 scale

7/8/941



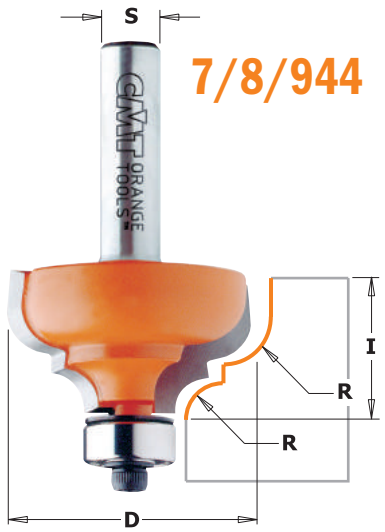
This bit takes the Roman Ogee a step further. The horizontal bead adds style and elegance to the traditional shape contour.

SHOP TIPS: for best results, multiple passes are recommended.

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4	28,7	11,5	10	**740.270.11**	**840.270.11**	**940.270.11**	**940.770.11**	**840.770.11**	990.423.00	791.003.00	990.058.00	991.057.00
6,4	38,1	17,3	10	**740.350.11**	**840.350.11**	**940.350.11**	**940.850.11**	**840.850.11**	990.423.00	791.003.00	990.058.00	991.057.00
4	33,4	13	10	**741.285.11**	**841.285.11**	**941.285.11**	**941.785.11**	**841.785.11**	990.423.00	791.003.00	990.058.00	991.057.00
6,4	42,8	18,5	10	**741.380.11**	**841.380.11**	**941.380.11**	**941.880.11**	**841.880.11**	990.423.00	791.003.00	990.058.00	991.057.00

SHOP TIPS: undersized bearing to use after resharpening.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Classical Ogee Bits

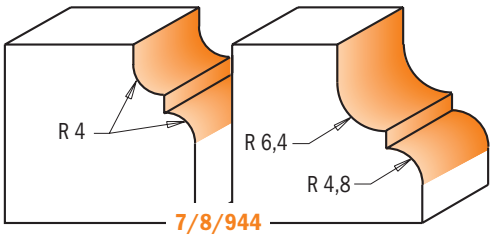


7/8/944

HW Z2 RH

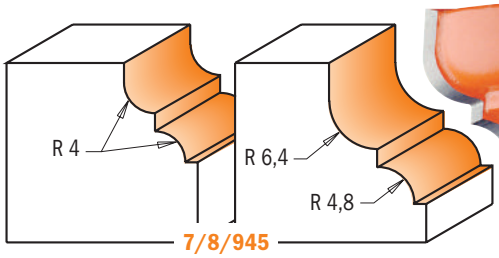
CMT's classical ogee bits feature an inverted ogee profile, with the concave edge adjacent to the upper surface of the workpiece. A vertical bead was added to separate the curves and creates an eye-catching shape.

SHOP TIPS: for best results, multiple passes are recommended.



Drawings are 1:1 scale

7/8/945



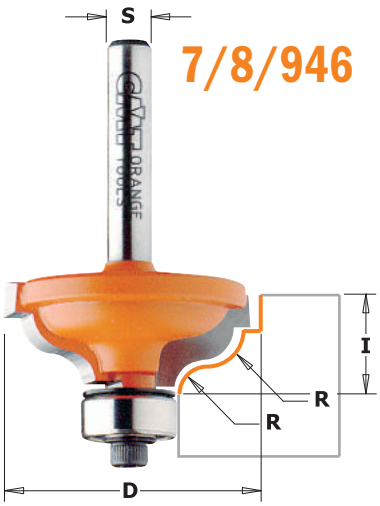
This profile includes a horizontal bead along the bottom of the profile adding a decorative detail to the traditional ogee design.

SHOP TIPS: for best results, multiple passes are recommended.

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4	28,7	13	10	**744.287.11**	**844.287.11**	**944.287.11**	**944.787.11**	**844.787.11**	990.423.00	791.003.00	990.058.00	991.057.00
6,4-4,8	35	18,5	10	**744.350.11**	**844.350.11**	**944.350.11**	**944.850.11**	**844.850.11**	990.423.00	791.003.00	990.058.00	991.057.00
4	28,7	13	10	**745.287.11**	**845.287.11**	**945.287.11**	**945.787.11**	**845.787.11**	990.422.00	791.002.00	990.058.00	991.057.00
6,4-4,8	35	18,5	10	**745.350.11**	**845.350.11**	**945.350.11**	**945.850.11**	**845.850.11**	990.422.00	791.002.00	990.058.00	991.057.00

SHOP TIPS: undersized bearing to use after resharpening.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Ogee with Fillet Bits



7/8/946

HW α Z2 RH

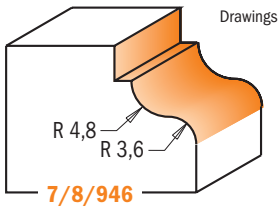
Take a complete assortment of CMT ogee bits into your shop. These bits feature micrograin carbide edges, high strength steel and the trademarked orange non-stick PTFE coating.

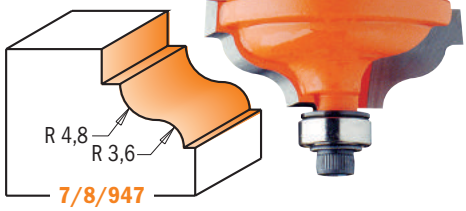
SHOP TIPS: for best results, multiple passes are recommended.

For a more-detailed profile, this bit adds an inset bead along the lower edge of the cut.

SHOP TIPS: for best results, multiple passes are recommended.

Drawings are 1:1 scale





7/8/947

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4,8-3,6	34,2	13	10	**746.325.11**	**846.325.11**	**946.325.11**	**946.825.11**	**846.825.11**	990.423.00	791.003.00	990.058.00	991.057.00
4,8-3,6	34,2	13	10	**747.325.11**	**847.325.11**	**947.325.11**	**947.825.11**	**847.825.11**	990.422.00	791.002.00	990.058.00	991.057.00

SHOP TIPS: undersized bearing to use after resharpening.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Ogee Bits

7/8/959

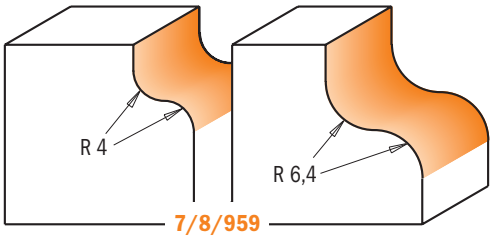
HW α Z2 RH

These profiles are the mirror image of the traditional roman ogee. They add sharp defining details to the edges of cabinets and furniture, before rolling into a smooth convex shape.

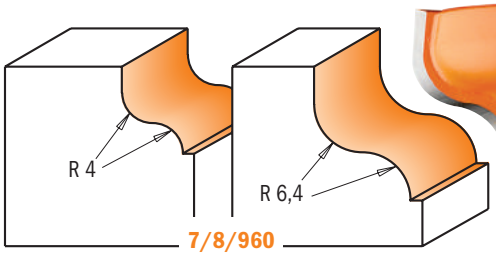
SHOP TIPS: for best results, multiple passes are recommended.

These bits are identical to the **7/8/959** series with the addition of an inset bead along the lower edge.

SHOP TIPS: for best results, multiple passes are recommended.



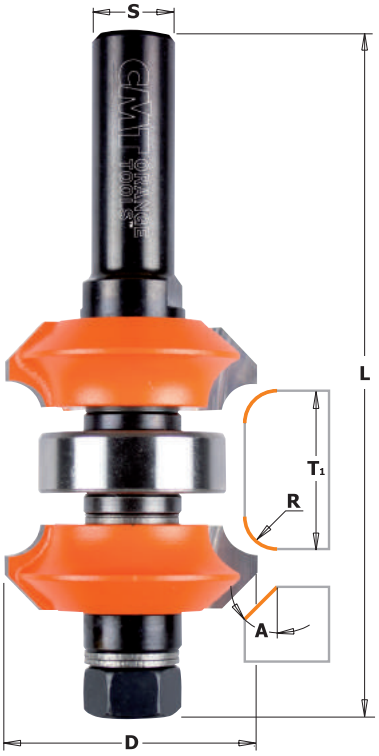
Drawings are 1:1 scale



7/8/960

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4	28,7	13	10	**759.040.11**	**859.040.11**	**959.040.11**	**959.540.11**	**859.540.11**	990.423.00	791.003.00	990.058.00	991.057.00
6,4	38,1	18	10	**759.064.11**	**859.064.11**	**959.064.11**	**959.564.11**	**859.564.11**	990.423.00	791.003.00	990.058.00	991.057.00
4	28,7	13	10	**760.040.11**	**860.040.11**	**960.040.11**	**960.540.11**	**860.540.11**	990.422.00	791.002.00	990.058.00	991.057.00
6,4	38,1	18	10	**760.064.11**	**860.064.11**	**960.064.11**	**960.564.11**	**860.564.11**	990.422.00	791.002.00	990.058.00	991.057.00

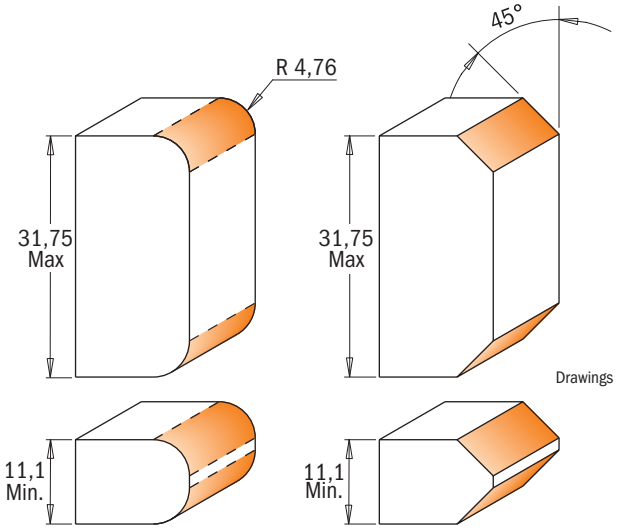
SHOP TIPS: undersized bearing to use after resharpening.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening



8/900.623

HW Z2 RH

These CMT bits are ideal for making attractive edgework! Create a double 4,76mm (3/16") roundover profile, a double 45° bevel or even a mixed profile on your wood panels easily and in a cost-effective way! Interchangeable shims are included to allow for different stock thicknesses according to the board.
To be used on table-mounted routers. Do not use these bits with hand-held power tools.



Drawings are 1:1 scale

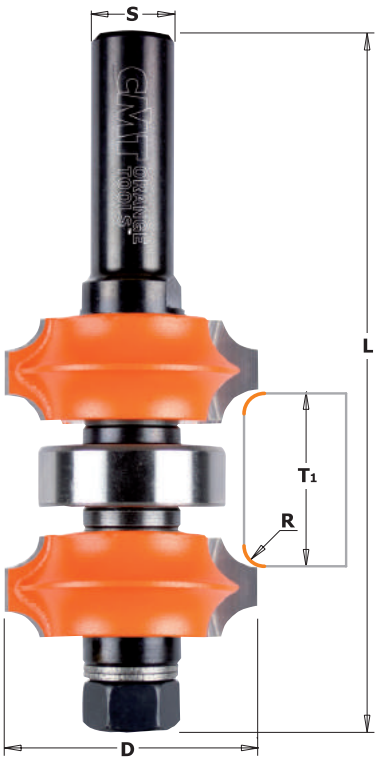
D mm	T1 mm	R mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
38,1	11,1 - 31,75	4,76	45°	100	10	**900.623.11**	
38,1	11,1 - 31,75	4,76	45°	100	10		**800.623.11**

Spare parts

		45° R	R 45°	
924.137.00	791.037.00	822.029.11	822.030.11	990.020.00
824.137.00	791.037.00	822.029.11	822.030.11	990.020.00

Spare parts

541.500.00	3mm spacer	**541.518.00**	1mm spacer
541.515.00	0,1mm spacer	**541.519.00**	5,8mm spacer
541.517.00	0,5mm spacer		

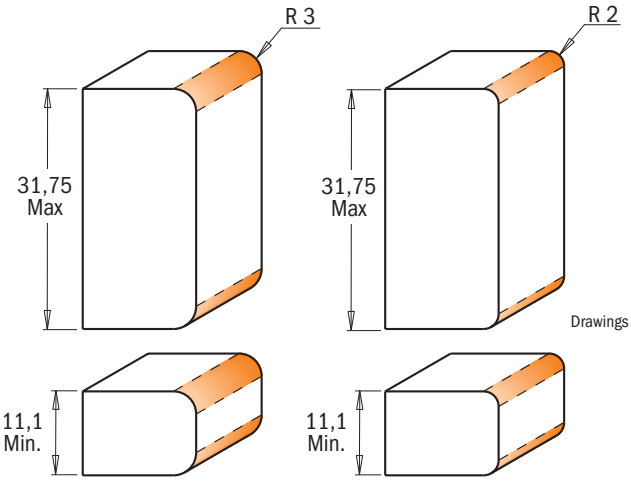


Adjustable Double Roundover Router Bits

8/900.622

HW Z2 RH

Create awesome furnishing decorations with these new CMT bits! They provide a double 2mm (5/64") and 3mm (1/8") roundover profile on your wood panels easily and in a cost-effective way! Interchangeable shims are included to allow for different stock thicknesses according to the board. To be used on table-mounted routers. Do not use these bits with hand-held power tools.



Drawings are 1:1 scale

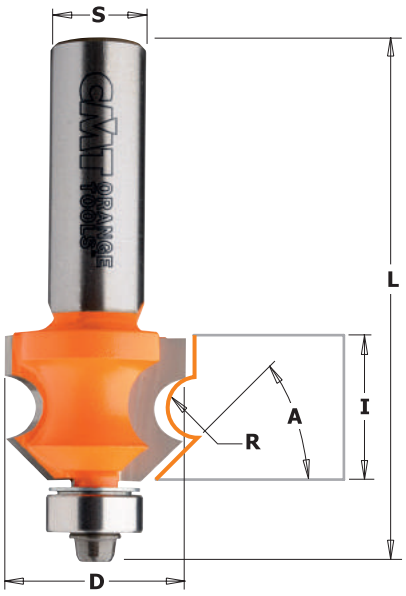
D mm	T1 mm	R mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
34	11,1 - 31,75	3 - 2	100	10	**900.622.11**	
34	11,1 - 31,75	3 - 2	100	10		**800.622.11**

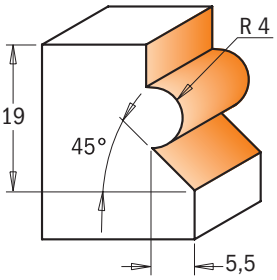
Spare parts

		R2 R3	R3 R2	
924.137.00	791.037.00	822.031.11	822.032.11	990.020.00
824.137.00	791.037.00	822.031.11	822.032.11	990.020.00

Spare parts

541.500.00	3mm spacer	**541.516.00**	0,3mm spacer
541.501.00	4mm spacer	**541.518.00**	1mm spacer
541.515.00	0,1mm spacer	**541.519.00**	5,8mm spacer



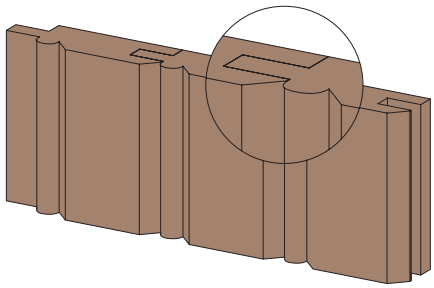


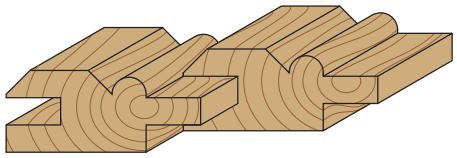
Drawing is 1:1 scale

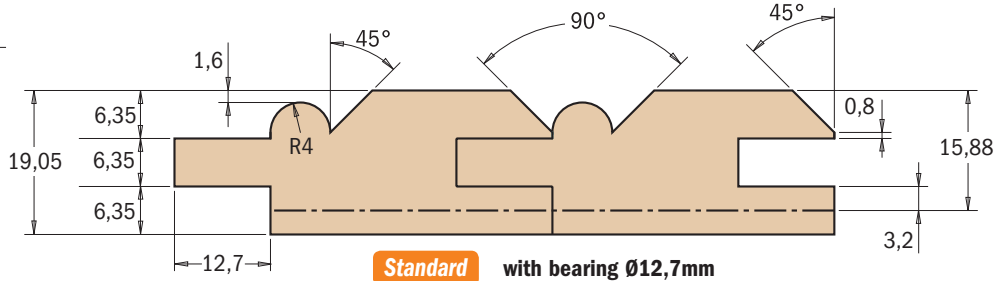
8/961.6

HW Z2 RH

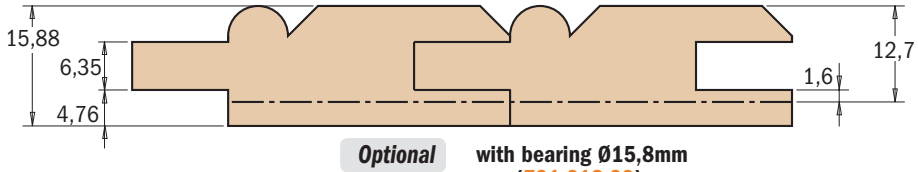
This new router bit designed for 19mm (3/4") thick stock is perfect for creating wainscots and panels on your walls. Simply create a 6,35mm (1/4") tongue-and-groove interlock with a CMT 8/900.626.11, then, with two passes mill an attractive traditional beadboard profile with this new bit.
Perfect for cabinets, bookcase backings, ceiling and wall paneling.







Standard with bearing Ø12,7mm (791.003.00)



Optional with bearing Ø15,8mm (791.018.00)

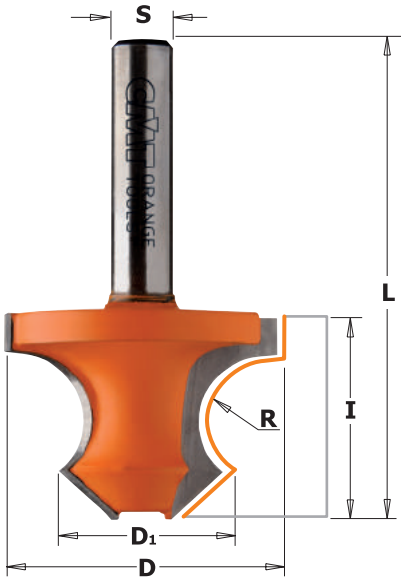
D mm	I mm	R mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
23,8	19,05	4	45°	67,7	10	**961.601.11**	**861.601.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

SHOP TIPS: **undersized bearing to use after resharpening.**
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Corner Beading Bit with 45° Chamfer

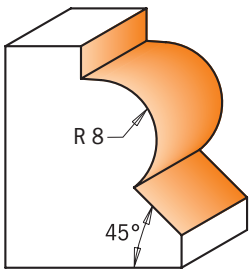


954

HW α Z2 RH

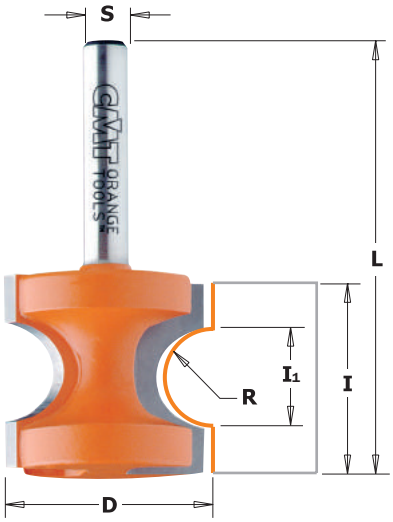
An innovative bit to create beautiful edges and corner beads.

SAFETY TIPS: to be used only on CNC machines or router tables equipped with a fence.



Drawing is 1:1 scale

D mm	D1 mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
36	22	25	8	60	10	**954.080.11**

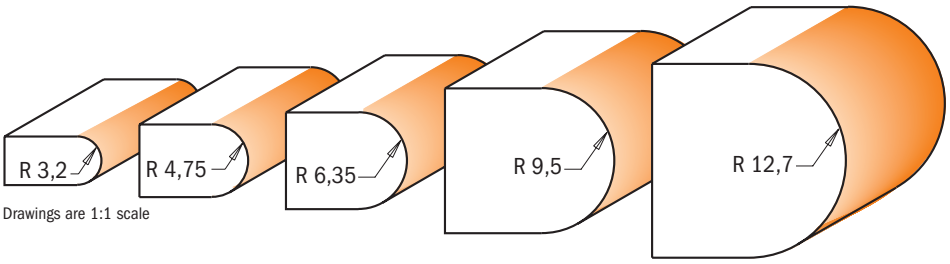


7/8/954

HW Z2 RH

CMT's bull nose bits create elegantly finished edges on stair treads, window sills and shelves in one pass. Add a final touch by using a cutter with a bead diameter wider than the stock thickness. CMT bull nose bits have bead diameters from 6,35mm (1/4") to 25,4mm (1") and each bit features carbide-tipped cutting edges, anti-kickback design and the orange PTFE non-stick coating trademark.

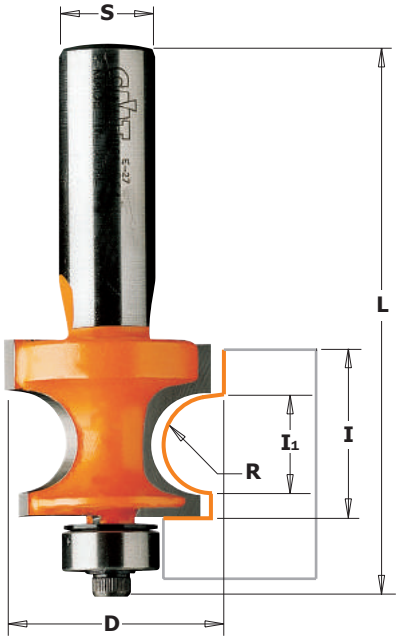
SAFETY TIPS: to be used only on router tables equipped with a fence. Do not remove the workpiece while the bit is routing.



Drawings are 1:1 scale

R mm	D mm	l_1 mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3,2	22,2	6,56	19	50,8	10	**754.002.11**	**854.002.11**	**954.002.11**		
3,2	22,2	6,56	19	57,2	10				**954.502.11**	**854.502.11**
4,75	25,4	9,85	22	54	10	**754.003.11**	**854.003.11**	**954.003.11**		
4,75	25,4	9,85	22	60,4	10				**954.503.11**	**854.503.11**
6,35	28,6	13,15	25,5	57,2	10	**754.004.11**	**854.004.11**	**954.004.11**		
6,35	28,6	13,15	25,5	63,5	10				**954.504.11**	**854.504.11**
9,5	34,9	19,71	35	73	10				**954.507.11**	**854.507.11**
12,7	44,5	26,3	41	79,4	10				**954.509.11**	**854.509.11**

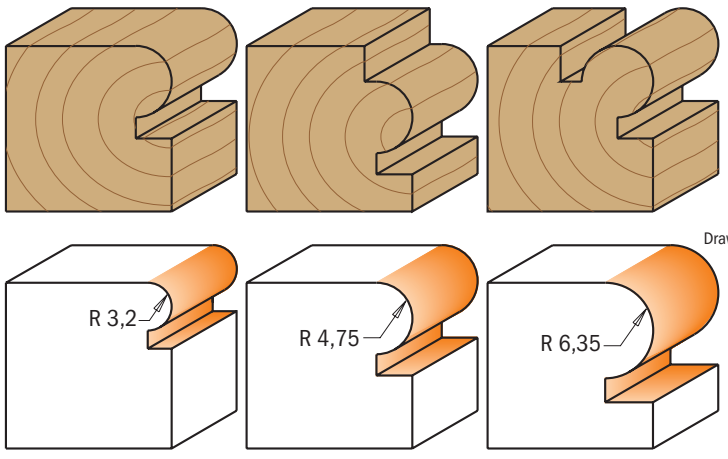
Corner Beading Bits



7/8/961

HW Z2 RH

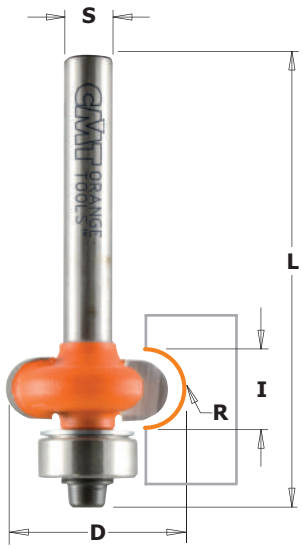
Make beautiful traditional beads and edge beads or turn old beads into new moldings with the new CMT corner beading bits with bearing. Featuring carbide-tipped cutting edges and orange PTFE non-stick coating, these bits provide excellent results on corner beads. Run the bead twice to form a complete corner bead.



Drawings are 1:1 scale

R mm	D mm	l_1 mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
3,2	22,2	6,50	15	57,7	10	**761.032.11**	**861.032.11**	**961.032.11**			990.423.00	791.003.00	990.058.00
3,2	22,2	6,50	15	64	10				**961.532.11**	**861.532.11**	990.423.00	791.003.00	990.058.00
4,75	25,4	9,68	18,6	61,2	10	**761.048.11**	**861.048.11**	**961.048.11**			990.423.00	791.003.00	990.058.00
4,75	25,4	9,68	18,6	67,6	10				**961.548.11**	**861.548.11**	990.423.00	791.003.00	990.058.00
6,35	28,6	12,86	22,2	64,8	10	**761.064.11**	**861.064.11**	**961.064.11**			990.423.00	791.003.00	990.058.00
6,35	28,6	12,86	22,2	71,7	10				**961.564.11**	**861.564.11**	990.423.00	791.003.00	990.058.00

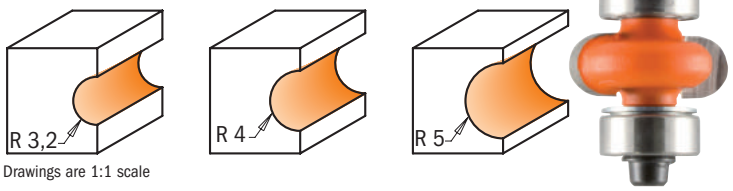
Spare parts **991.057.00** 3/32" hex key



7/862

HW Z2 RH

The edge-fluting bearing guided bits are quick to set up and can be used for curved screens, small radius grooves, doors etc. No side fence is required. Use in a handheld or table-mounted router.



Drawings are 1:1 scale

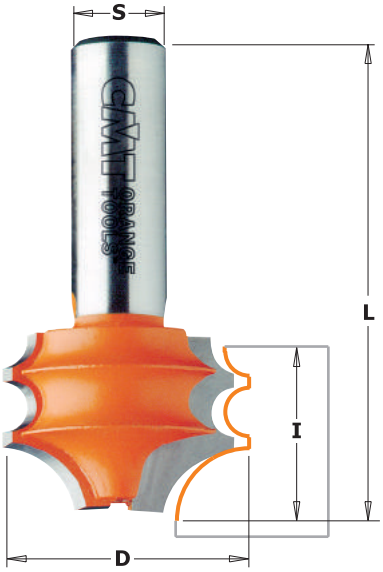
For top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)

R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm
3,2	19,05	6,4	57	10	**762.032.11**	**862.032.11**
4	20,7	8	57	10	**762.040.11**	**862.040.11**
5	22,7	10	57	10	**762.050.11**	**862.050.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

CMT Moulding System

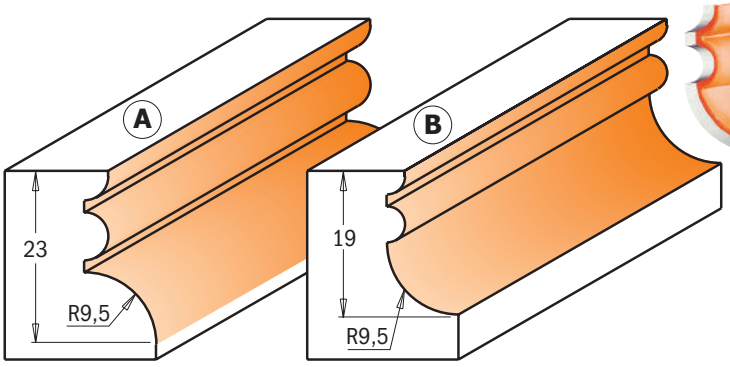


8/956.852

HW Z2 RH

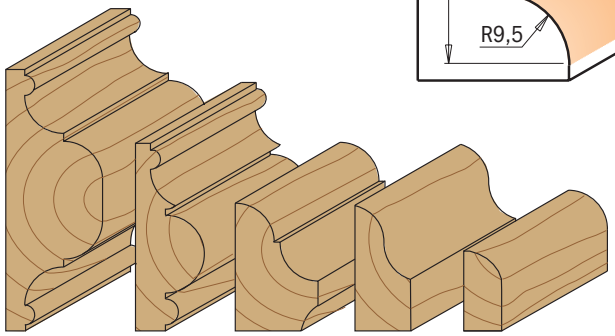
If the standard selection of moulding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then look to CMT's moulding system instead. With these bits, you can make dozens of elaborate profiles by combining two or more passes. Avoid the average and create your own mouldings. Some initial suggestions are illustrated below.

SAFETY TIPS: use these bits with a fence.
The profiles shown below are milled from heavy stock then refined to the desired shape.



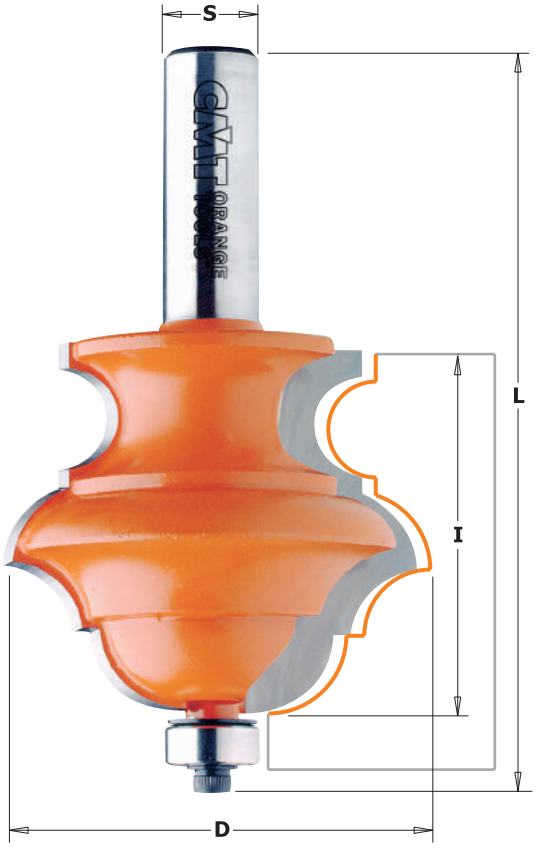
Drawings are 1:1 scale

8/956.851



Chair rail 4 passes | Panel molding 3 passes | Base cap 3 passes | Stop 2 passes | Shoe 1 pass

PROFILE	D mm	I mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	31,7	23	61,1	10	**956.852.11**	**856.852.11**
B	31,7	19	57,2	10	**956.851.11**	**856.851.11**

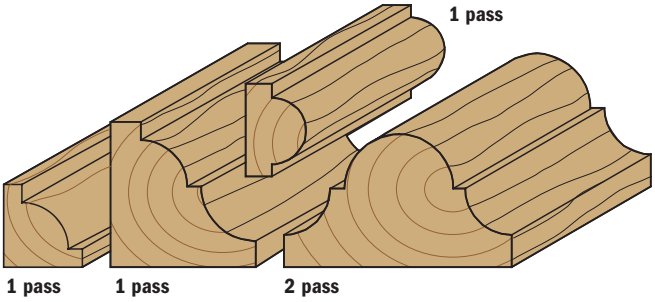


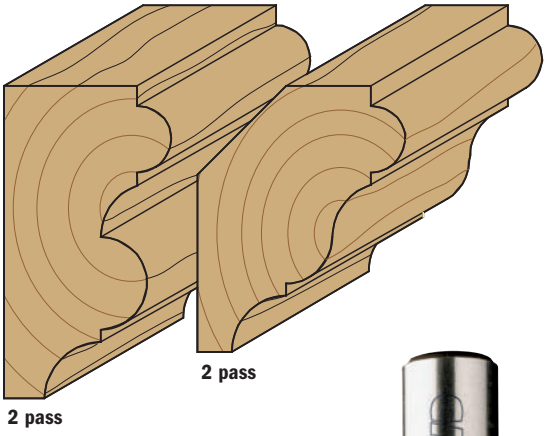
8/956.8

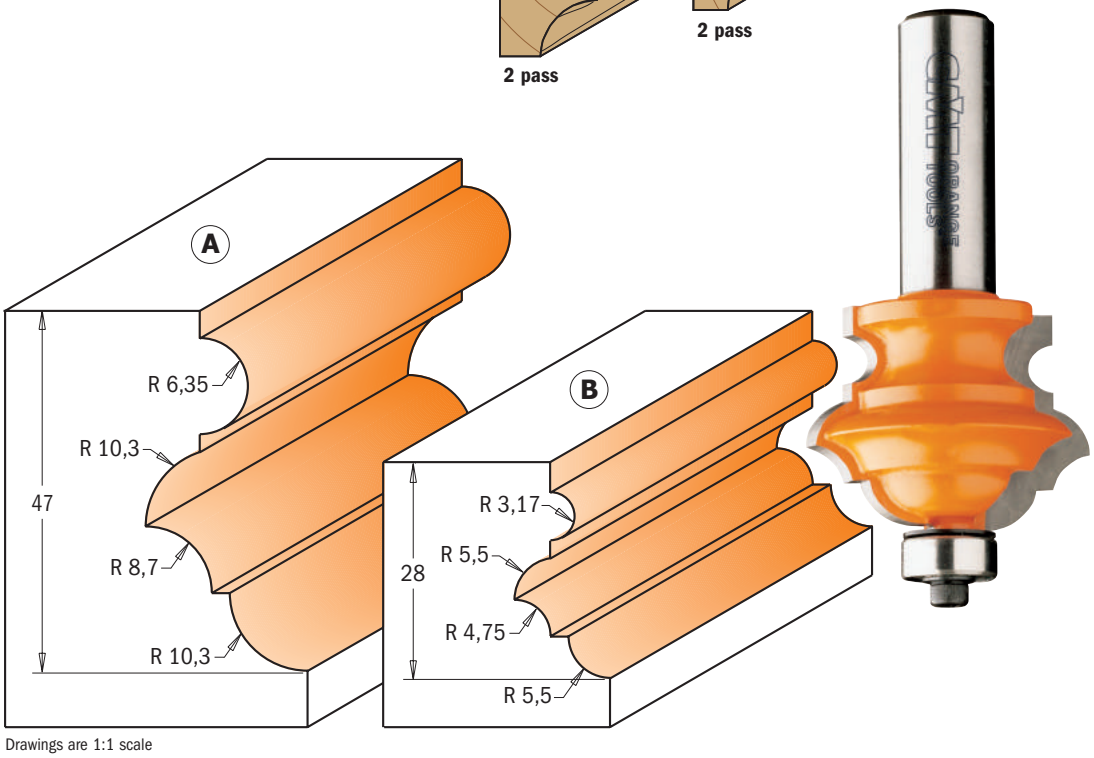
HW | Z2 | RH

Create endless profiles with CMT multiprofile bits. Simply adjust the height of the bit to create classic profiles in one single pass, or make more complex decorative effects in multiple passes. The bits super-strength steel body can withstand long-lasting cutting operations, and the micrograin carbide tips remain sharp longer for superior performance. In addition these bits feature non-stick PTFE coating and anti-kickback design. To be used on tables equipped with a fence.

SAFETY TIPS: to make small mouldings as shown below, cut the profile from very wide stock. Remove the excess material and work on the bigger piece to give you easier control. Keep hands far from the bit when working.







Drawings are 1:1 scale

PROFILE	D mm	I mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
A	55,6	47	96,4		5	**956.802.11**	**856.802.11**	990.423.00	791.003.00	990.058.00	991.057.00
B	38,1	28	77,5		10	**956.801.11**	**856.801.11**	990.423.00	791.003.00	990.058.00	991.057.00

Moulding Bits

Why waste time searching for a particular style of frame moulding when you can just as quickly and easily make your own. With the wide range of decorative possibilities offered by CMT moulding bits, you can always create the edge profile you want, anywhere you want and any time you want. These bits are made to last a lifetime! Carbide-tipped cutters and solid bar stock steel shanks can withstand rigorous use and the non-stick PTFE coating allows for clean, smooth-running cuts. The anti-kickback design guarantees safer operation when using these wide profile bits.

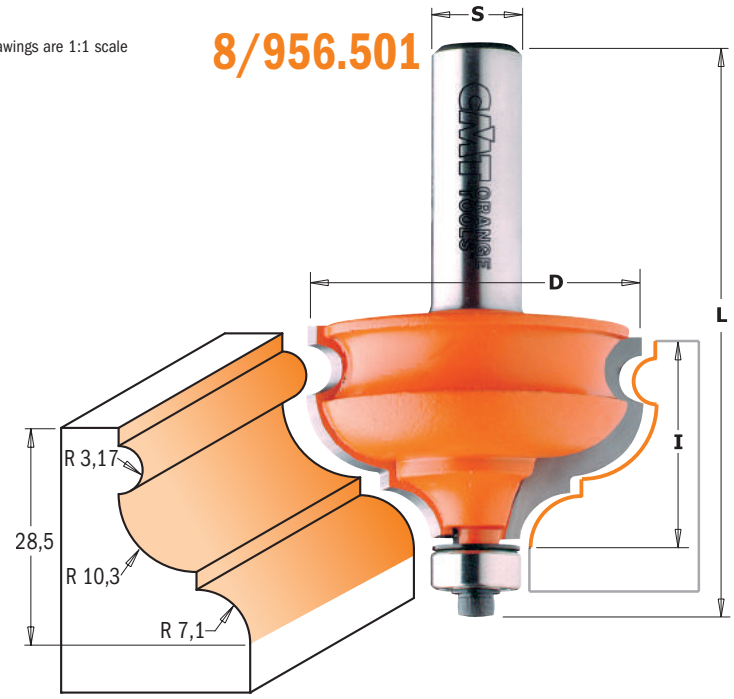
HW | α | Z2 | RH

SHOP TIPS: multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

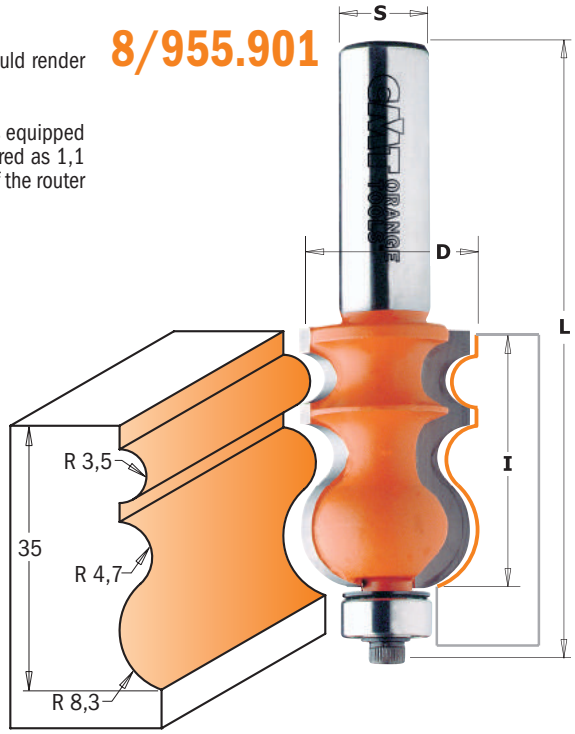
SAFETY TIPS: all large diameter bits such as these should be used with caution and on router tables equipped with a fence. For best results, 1,7 KW (2-1/4 HP) routers are recommended. Routers as low-powered as 1,1 KW (1-1/2 HP) can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations requiring the use of these bits.

Drawings are 1:1 scale

8/956.501

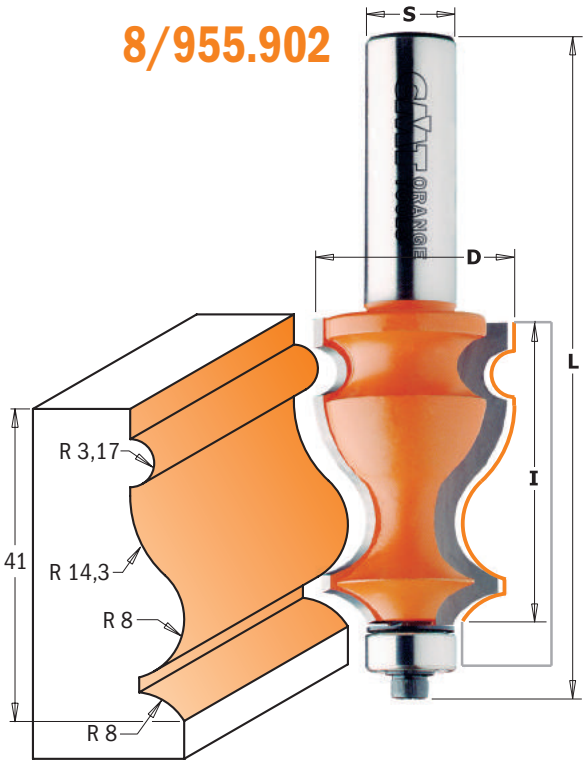


8/955.901



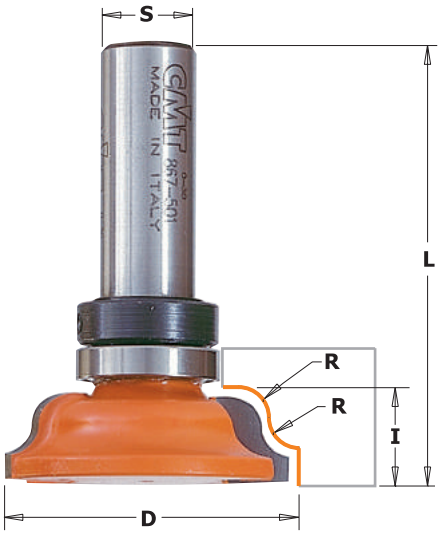
8/967.701

8/955.902



	D mm	I mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
	23,8	35	83,8		10	**955.901.11**	**855.901.11**	990.423.00	791.003.00	990.058.00	991.057.00
	27	41	90,2		10	**955.902.11**	**855.902.11**	990.423.00	791.003.00	990.058.00	991.057.00
	47,5	28,5	77,4		10	**956.501.11**	**856.501.11**	990.423.00	791.003.00	990.058.00	991.057.00
new	58	25,4	73,5		10	**967.701.11**	**867.701.11**				

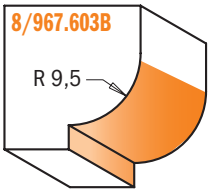
SHOP TIPS: **undersized bearing to use after resharpening.**
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

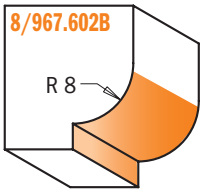


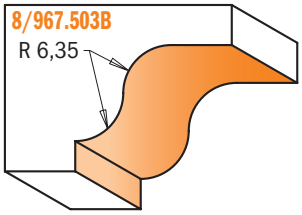
8/967.5B - 8/967.6B

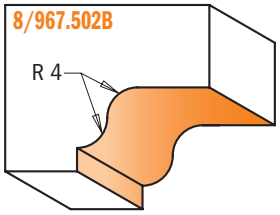
HW Z2 RH

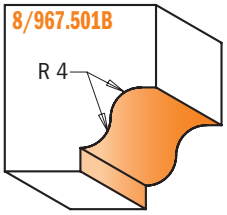
CMT's new moulding bits allow you to shape elegant moldings with your table saw and router. Unlike any commercially available crown mouldings, mouldings made with these bits are easy to install and create a finished appearance. After shaping the cove, you can use special router bits with inverted profiles to create different edges and complete the moulding.







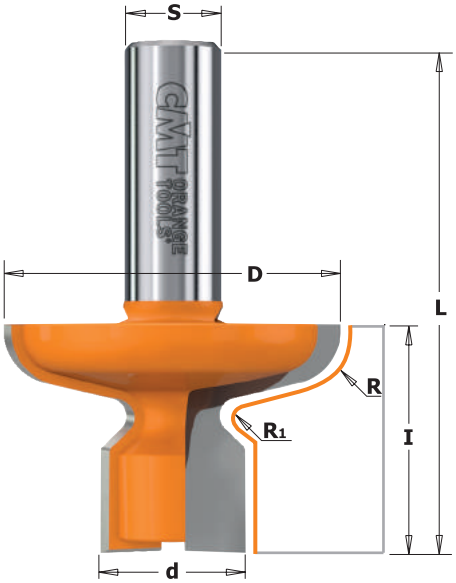




Drawings are 1:1 scale

R mm	D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4	39,05	11,5	57	10	**967.001.11B**	**967.501.11B**	**867.501.11B**	791.011.00	541.002.00	990.005.00	991.056.00
4	54	11,5	65,9	10		**967.502.11B**	**867.502.11B**	791.011.00	541.002.00	990.005.00	991.056.00
6,35	60,5	17,3	71,7	5		**967.503.11B**	**867.503.11B**	791.011.00	541.002.00	990.005.00	991.056.00
6,35	38	12,5	57	10	**967.101.11B**	**967.601.11B**	**867.601.11B**	791.011.00	541.002.00	990.005.00	991.056.00
8	35	13,2	57,7	10	**967.102.11B**	**967.602.11B**	**867.602.11B**	791.011.00	541.002.00	990.005.00	991.056.00
9,5	38	14,5	59	10	**967.103.11B**	**967.603.11B**	**867.603.11B**	791.011.00	541.002.00	990.005.00	991.056.00

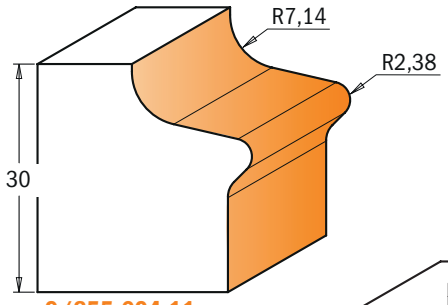
Finger pull door lip bit



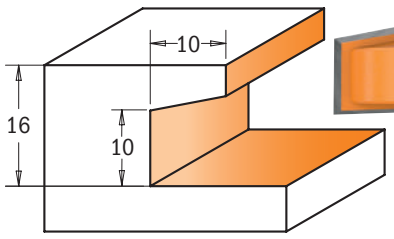
8/955.604-606

HW Z2 RH

Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle?Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.



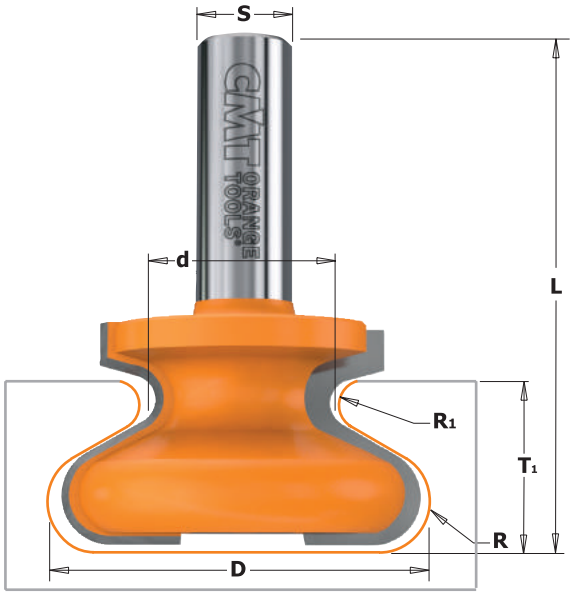
9/855.604.11



855.606.11

Drawings are 1:1 scale

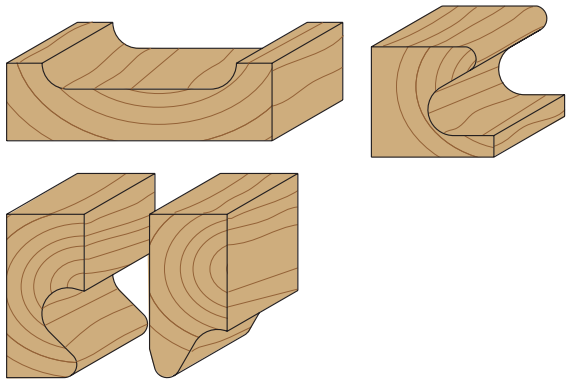
D mm	d mm	I mm	R mm	R1 mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
36	16	16			60		10			**855.606.11**
47,6	22,2	30	7,14	2,38	66,6		10		**955.604.11**	**855.604.11**

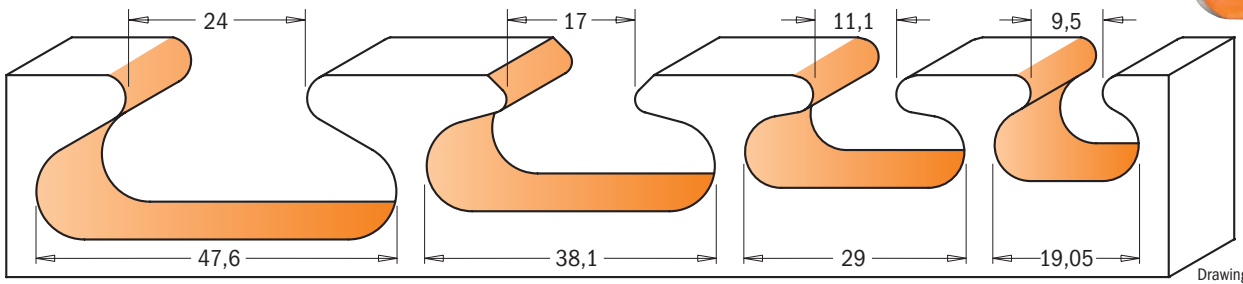


8/955

HW Z2 RH

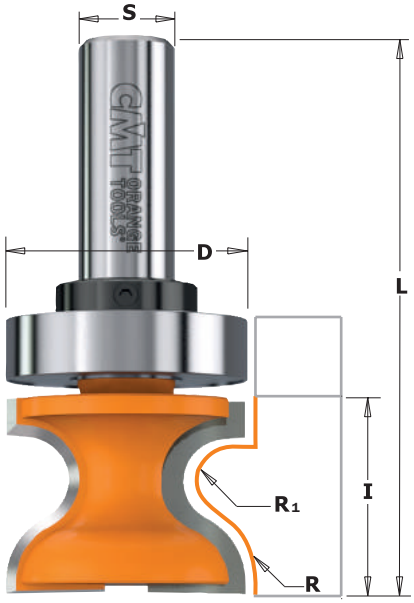
Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Use a CMT finger pull bit and make a harmonious wooden handle. Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.





Drawings are 1:1 scale

D mm	d mm	T1 mm	I mm	R mm	R1 mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19,05	9,5	14	19,05	4,76	2,4	57,2	10	**955.102.11**		**855.602.11**
29	11,1	15	20	4,8	2,3	60	10			**855.605.11**
38,1	17	18	20,7	6	1,8	55,5	10	**955.103.11**		
38,1	17	18	20,7	6	1,8	61,8	10			**855.603.11**
47,6	24	22	28,5	6,35	3,2	66,6	10		**955.601.11**	**855.601.11**

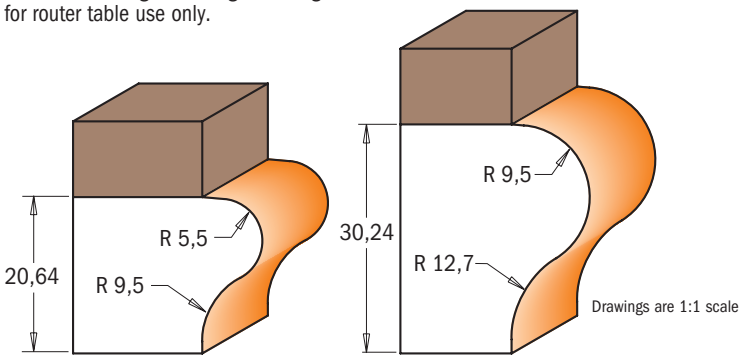


Window Sill & Finger Bits

8/955.8 - 8/955.8B

HW Z2 RH

Originally, these profiles were designed for shaping the edges of window sills. Yet, these bits also can be used to create finger pulls on the edges of doors and drawers. These bits are available with top bearings for curved template work or without bearings for straight cuts against a fence.
Recommended for router table use only.



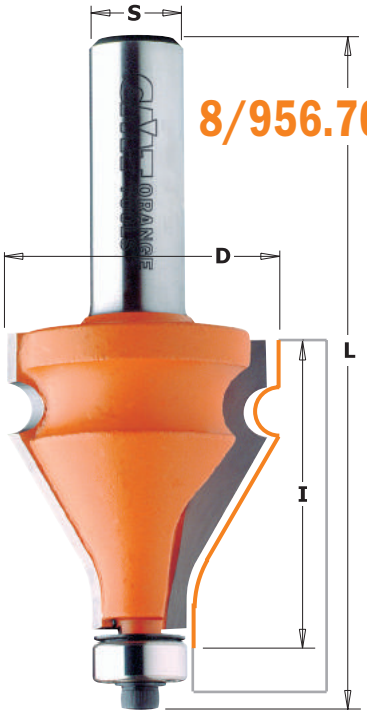
Drawings are 1:1 scale

R1 mm	R mm	D mm	I mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
5,5	9,5	31,7	25,4	73	10	**955.804.11**	**855.804.11**
9,5	12,7	38,1	35	85,8	10	**955.805.11**	**855.805.11**
With Top Bearing							
5,5	9,5	31,7	25,4	73	10	**955.804.11B**	
5,5	9,5	31,7	25,4	73	10		**855.804.11B**
9,5	12,7	38,1	35	85,8	10	**955.805.11B**	
9,5	12,7	38,1	35	85,8	10		**855.805.11B**

Spare parts

791.015.00	541.005.00	990.005.00	991.056.00
791.015.00	541.002.00	990.005.00	991.056.00
791.020.00	541.005.00	990.005.00	991.056.00
791.020.00	541.002.00	990.005.00	991.056.00

Table Edge & Hand Rail Bits



8/956.701

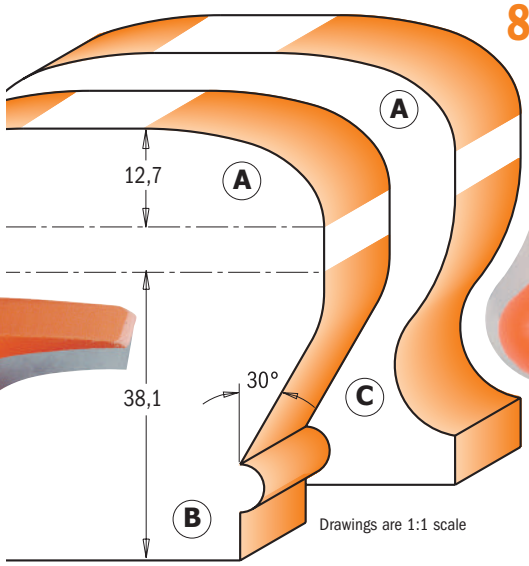
HW α Z2 RH

Turn a small investment into big returns with these CMT bits! These bits guarantee well-proportioned smooth curves, adding a touch of class and creating elegant eye-catching work. CMT hand rail bits feature a 30° bevel edge and a 3.2mm bead that craft beautiful and functional hand rails.

SAFETY TIPS: these profile bits remove large amounts of stock and make consistent quantities of dust. We recommend using a vacuum to keep the work area safe.

8/956.601

8/956.702



Drawings are 1:1 scale

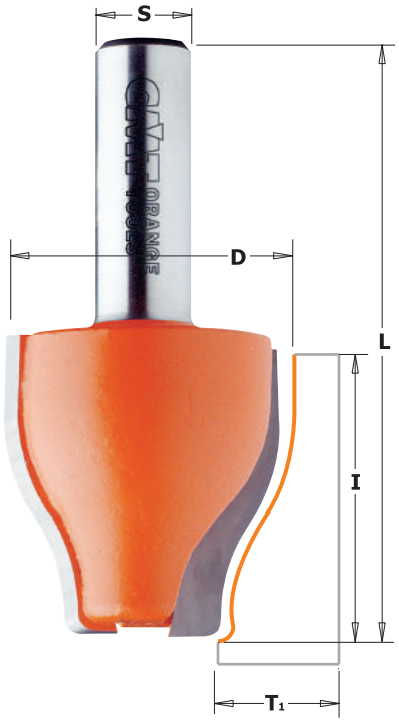
PROFILE	D mm	I mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	63,5	19	67,9	5	**956.601.11**	**856.601.11**
B	35	38	87	10	**956.701.11**	**856.701.11**
C	31,7	38,1	87	10	**956.702.11**	**856.702.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.018.00	990.058.00	991.057.00

SHOP TIPS: undersized bearing to use after resharpening.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Vertical Raised Panel Bits



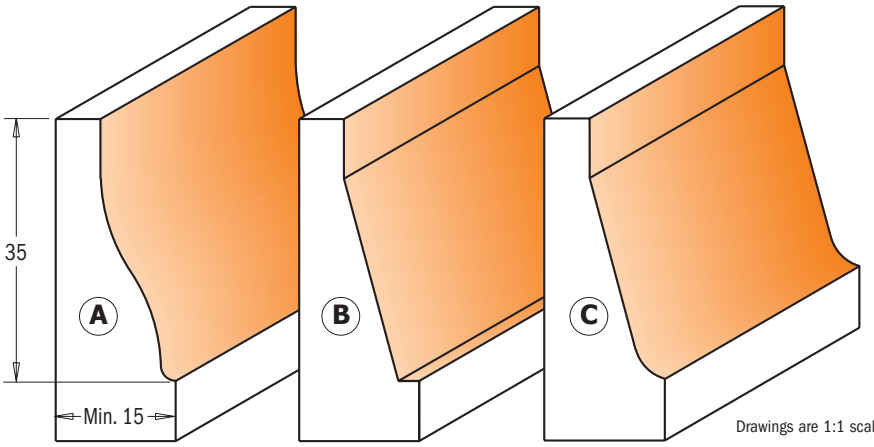
8/990.6

HW α Z2 RH

Create raised panel doors and drawer fronts easily and economically by simply putting a CMT vertical raised panel bit in your router* and a sturdy 90° angle fence on your router table. Studied, designed and crafted with the most sophisticated technology available, these bits are perfected down to the smallest detail. Choose from three vertical profile designs.

* Recommended for use on routers with a minimum speed of 1,7 KW (2-1/4 HP). Routers as low-powered as 1,1 KW (1-1/2 HP) can be used but we suggest limiting their use to shorter, shallower runs.

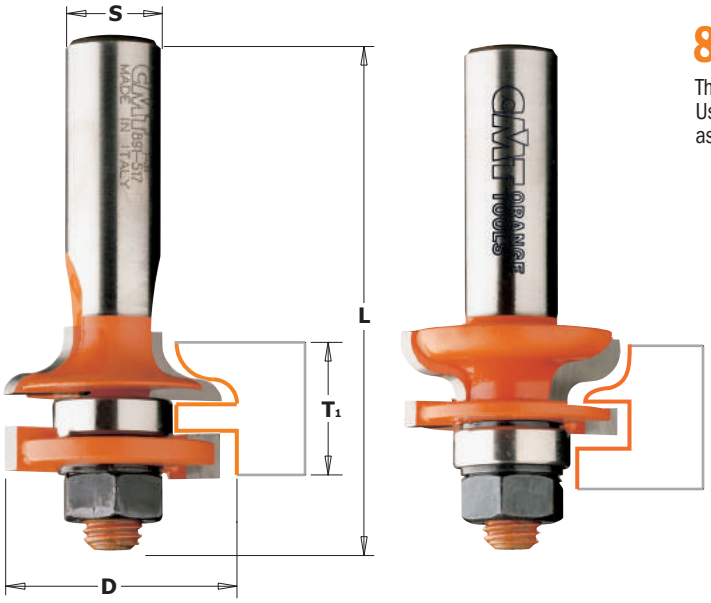
SAFETY TIPS: the template must be at least 150mm and clamps should be used whenever possible. Three to five passes are recommended to safely and accurately obtain the profile you desire.



Drawings are 1:1 scale

PROFILE	D mm	I mm	T1 mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	38	38	15 ÷ 18	76,2	10	**990.601.11**	**890.601.11**
B	38	38	15 ÷ 18	76,2	10	**990.602.11**	**890.602.11**
C	38	38	15 ÷ 18	76,2	10	**990.603.11**	**890.603.11**

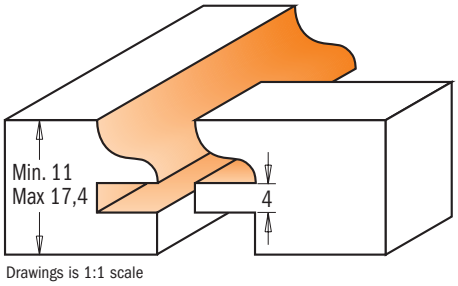
Junior Ogee Rail & Stile Set



8/991.517

HW | α | Z2 | RH

These bits are designed for those special projects that require a smaller panel door. Use these bits with stock from 11,1mm to 17,4mm thick, and build doors as small as 70mm.



Drawings is 1:1 scale

D mm	T1 mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
31,75	11 ÷ 17,4	67	5	**991.517.11**	**891.517.11**

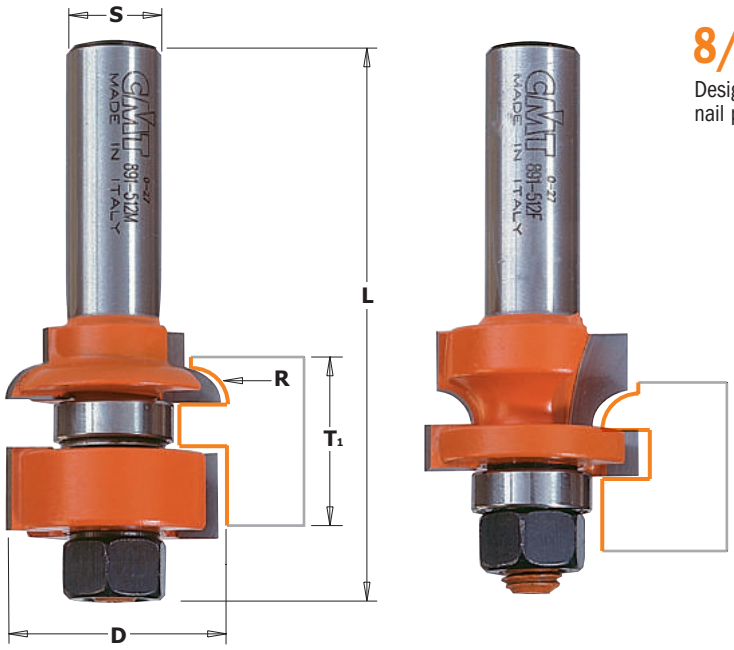
Spare parts

4mm	6mm		
822.008.11	822.009.11	791.025.00	990.020.00

Spare parts

541.515.00	0,1mm spacer
541.516.00	0,3mm spacer
541.518.00	1,0mm spacer

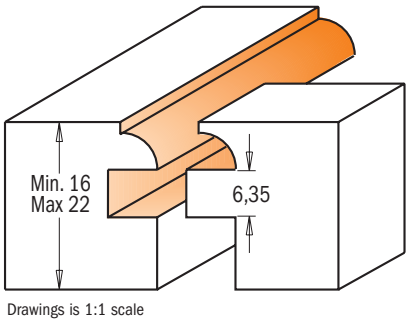
Rail & Stile Set



8/991

HW | α | Z2 | RH

Designed for fine furniture construction, these bits mill a delicate 4,75mm thumb-nail profile in stock from 15,8mm to 20,6mm.



Drawings is 1:1 scale

D mm	T1 mm	R mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
28,7	16 ÷ 22	4,8	79,2	10	**991.012.11**	**891.512.11**

Spare parts

6,35mm	10,8mm		
822.011.11	822.012.11	791.025.00	990.020.00

Spare parts

541.515.00	0,1mm spacer
541.516.00	0,3mm spacer
541.518.00	1,0mm spacer

In our step-by-step example of panel door construction, we used the following:
- CMT Rail & Stile set (item #891.502.11)
- CMT Reverse Glue Joint (item #855.501.11)
- pre-cut to length stiles - 19mm thick x 57mm wide
- pre-cut to length rails - 19mm thick x 57mm wide
- panel - 16mm thick
- scrap stock

The CMT Rail & Stile set was designed ideally for the construction of panel doors from 19mm thick stock, however any variation of size up to 22mm thick can be used. Remember to adjust your measurements and cutting depths according to the wood thickness you use.

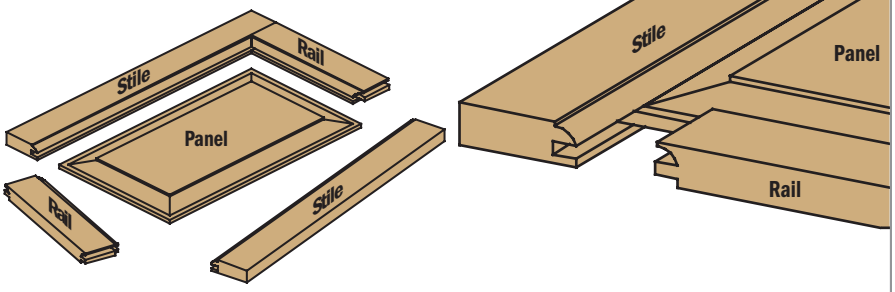


ILLUSTRATION A

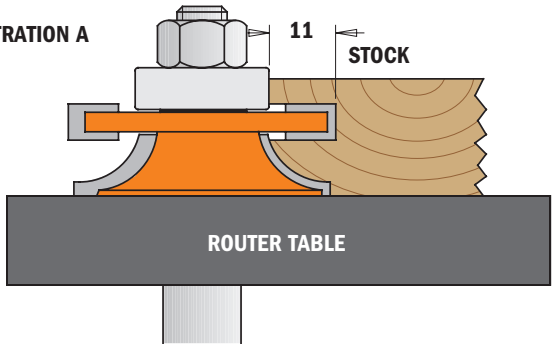
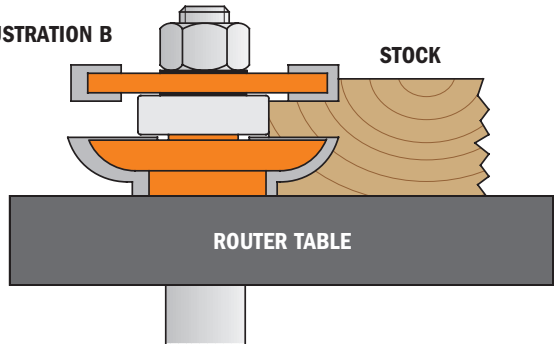


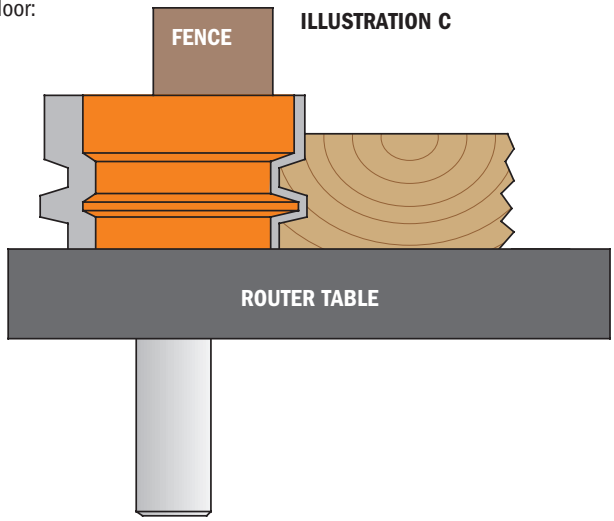
ILLUSTRATION B



MILLING THE RAILS AND STILES

First make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock and check the accuracy of the joint. This is extremely important when working at maximum thickness (22mm). Make sure your stock is flat and cut straight with square edges. Using the CMT Stile Bit shown in illustration A, place the stock front face-down on the router table and mill the stick profile in the stile and rail pieces. To mill the rails, use the CMT Rail Bit shown in illustration A, position the rails face-down on the router table and mill the cope profile on the ends. If you are milling cope and stick profiles before cutting the rails and stiles to length, be sure to make the proper calculations before cutting the rails. The stiles are the same length as the door. The rails must be calculated by the following equation (CMT standard tenon length is 22mm):
(total door width - sum of stile widths) + sum of 2 tenons = total rail length
therefore, using our example measurements listed above, for a 300mm cabinet door:
300mm - 114mm + 22mm = 208mm

ILLUSTRATION C

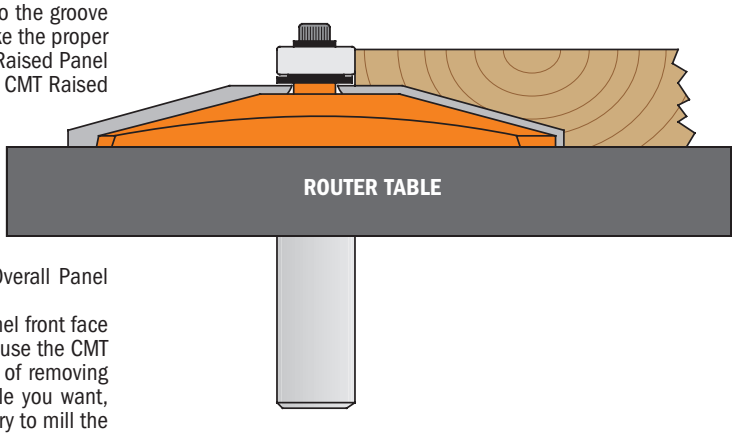


GLUEING UP PANELS

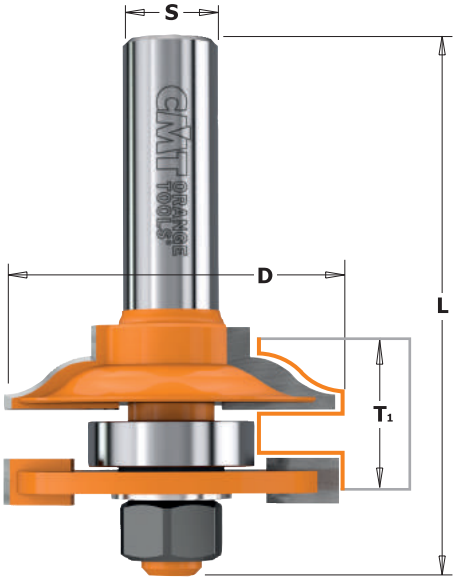
If the panel requires a width greater than the width of your stock, you will need to edge glue stock for the central floating panel. This is accomplished by simply using the CMT Reverse Glue Joint bit. For making a two panel glue joint, place the first panel front face-down on the router table and accurately centre the wood to the bit. Adjust the bit according to the thickness of the wood you are cutting by lining up the cut edge of the wood to the centre point of the bit as illustrated in illustration B and mill the cut edge of the wood. Place the second panel front face up and repeat the milling process. This assures you will have the best side of your stock as a front face. If a third panel is required, mill one cut edge of the piece as instructed above, turn the piece over and run the other edge. Assemble the reverse cut pairs together for beautiful, strong joints that match up perfectly.

MILLING THE FLOATING PANEL

Make trial cuts in scrap stock to create a tongue that fits snugly into the groove in the stile without forcing it. To cut your panel to size be sure to make the proper calculations, taking into account the length of the tongue. The CMT Raised Panel Bit in our example has a standard tongue length of 8mm (The New CMT Raised Panel Bit profile has a 9,5mm tongue).
Use the following equation:
(Total door length - Sum of Stile widths) + Sum of 2 Tongues = Overall Panel Length
Therefore, using our example, measurements listed above for a 600mm long cabinet door: (600 - 114) + 16mm = 502mm
And accordingly:
(Total door width - Sum of Stile widths) + Sum of 2 Tongues = Overall Panel Width.
Once the panel has been cut to proper dimensions, position the panel front face side down on the router table tongue as shown in illustration C and use the CMT Raised Panel Bit to mill the tongue. ATTENTION: this bit is capable of removing large amounts of stock. To safely and effectively produce the profile you want, we suggest making several shallow passes. It can be dangerous to try to mill the entire profile in a single run.



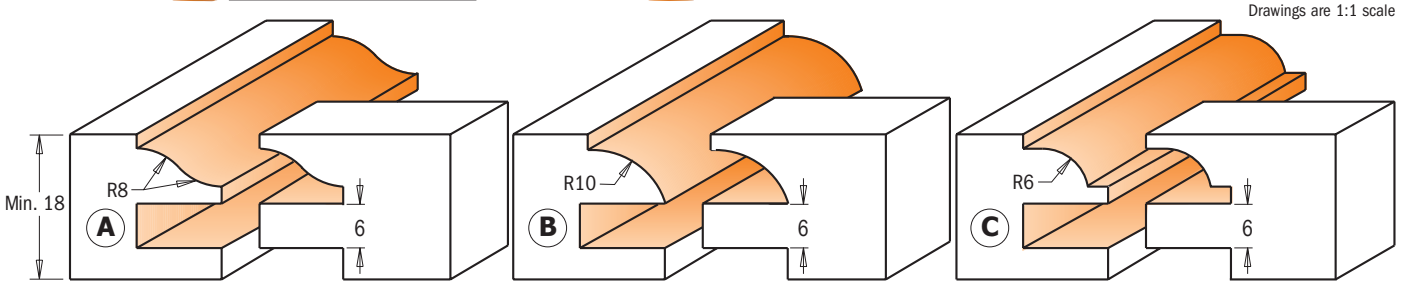
8/991



HW · Z2 · RH

A well constructed door will bear the mark of a perfect joint: clean, precise and well-crafted for strength. The CMT male-female rail and stile sets are a perfect pair for this particular project.
Made to our specifications, they match perfectly unlike the approximative results offered by standard reversible cutters.
Choose the style of CMT rail and stile set that best suits your needs and create smooth, perfect joints in hard and soft woods with accuracy and speed. Perfect for working in stock from 18mm to 22mm. See chart and illustrations below for profile options available.

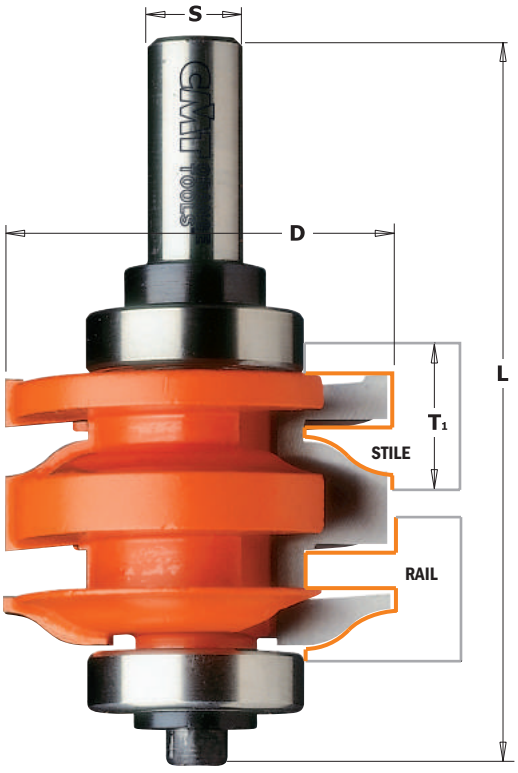
Drawings are 1:1 scale



Profile	D mm	L mm	T1 mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	44,4	71	18 ÷ 22	5	**991.001.11**	**991.501.11**	**891.501.11**
B	44,4	71	18 ÷ 22	5		**991.502.11**	**891.502.11**
C	44,4	71	18 ÷ 22	5		**991.503.11**	**891.503.11**

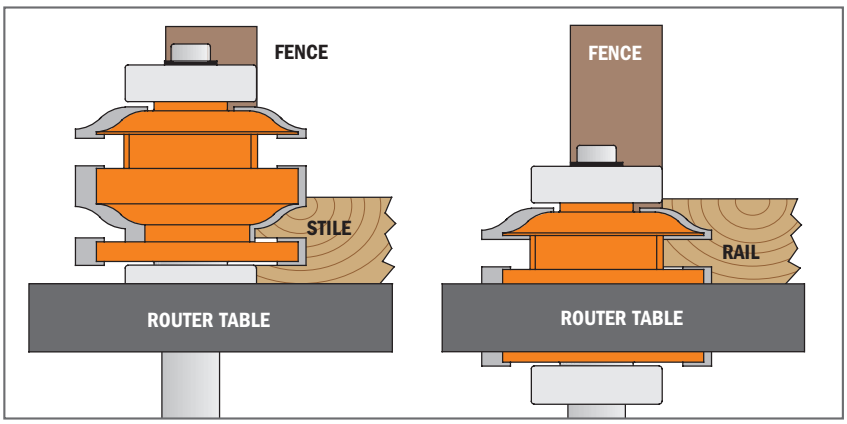
Spare parts					
		0,1mm	0,3mm	0,9mm	
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00

8/991.521



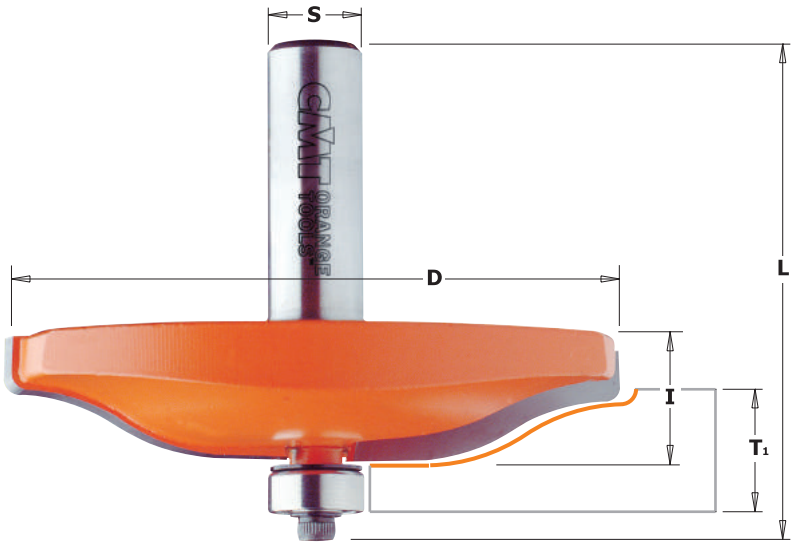
HW · Z2 · RH

The most innovative bit for the construction of furniture doors and drawers.
The new CMT One-Piece Rail and Stile Bit represents the union of two cutters in one bit.
By simply adjusting the height of the bit, you can cut two perfectly joining profiles with no wasted time or effort moving the fence or changing the bit.
Save time and money by investing in one single CMT bit.
Suitable for stock ranging from18mm to 22.2mm in thickness.



Profile	D mm	L mm	T1 mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	50,87	96	18 ÷ 22	10		**891.521.11**
A	50,87	96	18 ÷ 22	10	**991.521.11**	

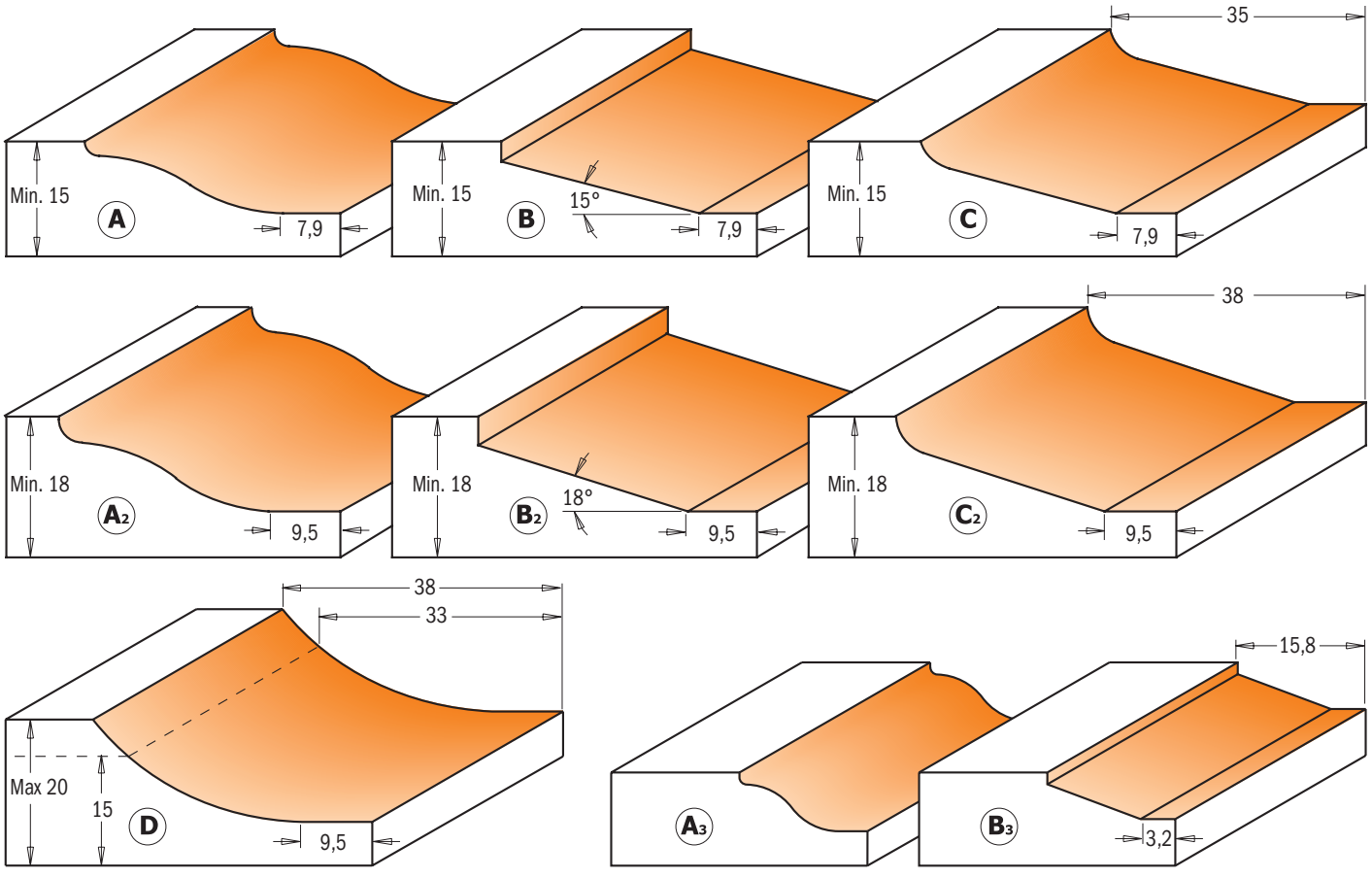
Spare parts						
791.027.00	541.002.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00
791.027.00	541.005.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00



8/990

We offer you the traditional approach to panel construction with the CMT raised panel bit. Make classic raised panel doors as shown in the profiles below.
These raised panel bits have carbide-faced cutting edges and are equipped with our anti-kickback design and orange non-stick coating to further improve safety when working with larger diameter bits.

Safety Tips: Horizontally employed bits should be used at a lower speed, between 10,000 and 12,000 RPMs.
Three to five passes are recommended to safely and accurately obtain the profile you desire.
To be used on jigs with at least 1,7 KW (2-1/4 HP).



Drawings are 1:1 scale

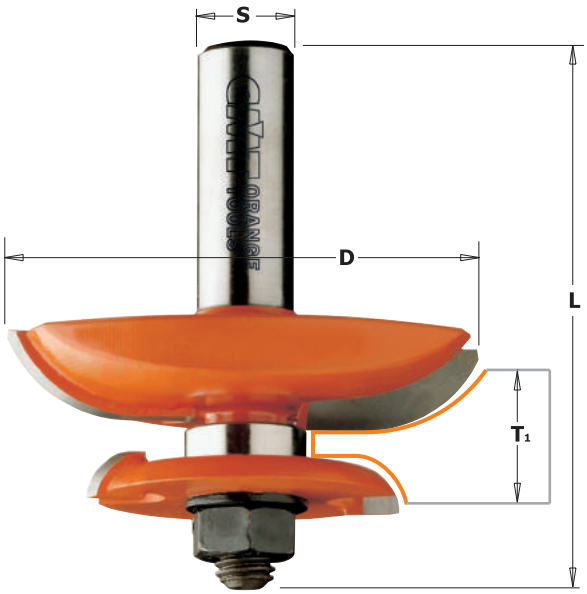
Profile	D mm	I mm	L mm	T1 mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	82,5	15	63,8	15 ÷ 18	5		**990.501.11**	**890.501.11**
B	82,5	15	63,8	15 ÷ 18	5		**990.502.11**	**890.502.11**
C	82,5	15	64,6	15 ÷ 18	5		**990.503.11**	**890.503.11**
A2	89	15	64,6	18 ÷ 20	5		**990.504.11**	**890.504.11**
B2	89	15	64,6	18 ÷ 20	5		**990.505.11**	**890.505.11**
C2	89	15	64,6	18 ÷ 20	5		**990.506.11**	**890.506.11**
D	89	15	64,6	15 ÷ 20	5		**990.507.11**	**890.507.11**
A3	47,6	9,5	58,1	12,7 ÷ 15	10	**990.011.11**		
B3	47,6	9,5	58,1	12,7 ÷ 15	10	**990.012.11**		**890.512.11**

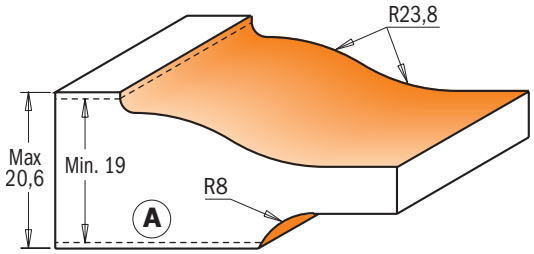
Spare parts			
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

8/990.5

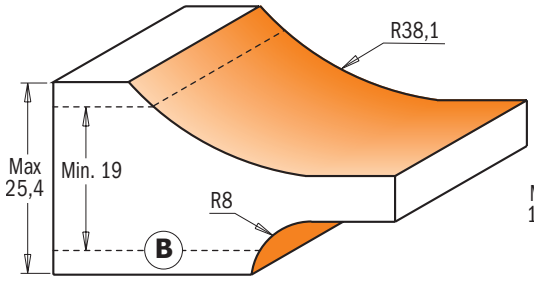
HW | Z2 | RH

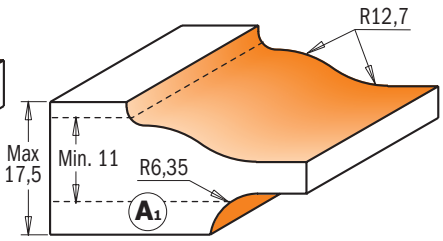
These bits have a back-cutter which allows the routing of both the front and back of the panel in the same cut. An additional 31.7mm diameter bearing ensures increased safety by allowing you to make two shallow passes (only for 089mm).

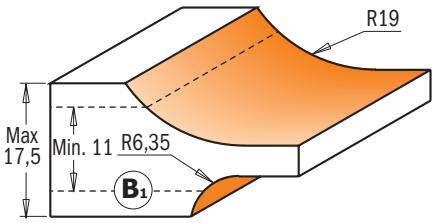


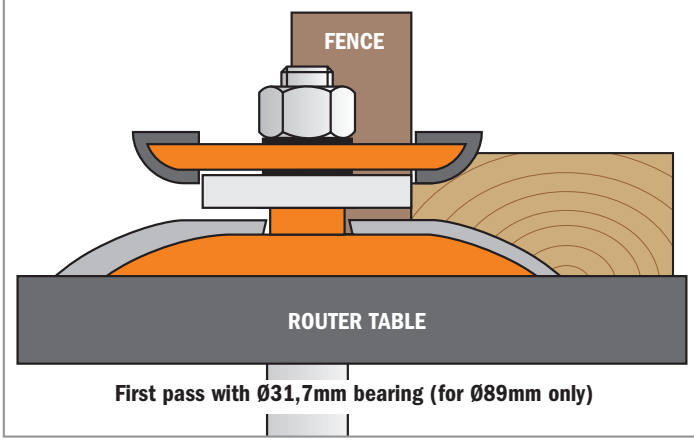


Drawings are 1:1 scale

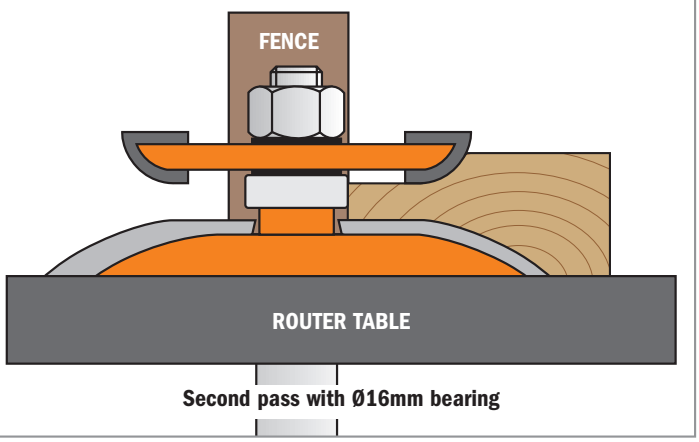








First pass with Ø31,7mm bearing (for Ø89mm only)



Second pass with Ø16mm bearing

Profile	D mm	T1 mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	89	19 - 20,6	78,1	5	**990.524.11**	**890.524.11**
B	89	19 - 25,4	78,1	5	**990.527.11**	**890.527.11**
A1	63,5	11,1 - 17,5	70	5	**990.534.11**	**890.534.11**
B1	63,5	11,1 - 17,5	70	5	**990.537.11**	**890.537.11**

Spare parts			
822.007.11	791.025.00	791.033.00	990.020.00
822.007.11	791.025.00	791.033.00	990.020.00
822.010.11	791.025.00		990.020.00
822.010.11	791.025.00		990.020.00

Spare parts

541.515.00 0,1mm spacer
541.516.00 0,3mm spacer
541.518.00 1,0mm spacer
990.407.00 Shield conical

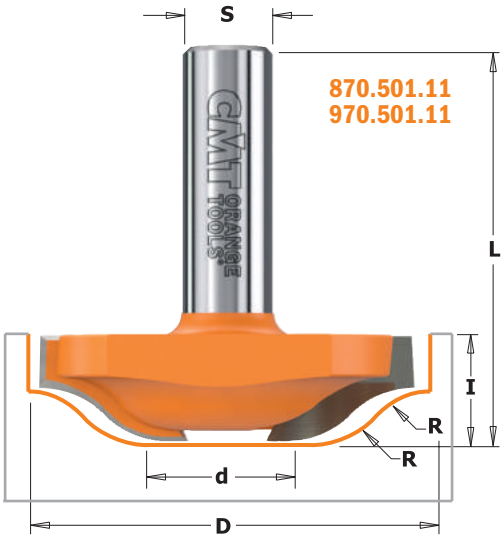
8/970

HW | Z2 | RH

These bits can be used for decorative work on solid wood panels and MDF materials. Use them in one pass or in combination with CMT's MDF panel bits for complex and intricate profiles. A simple approach for an elegant appearance.

Featuring large cutting diameters and available in the most popular profiles, these panel bits guarantee excellent performance.

PANEL BITS

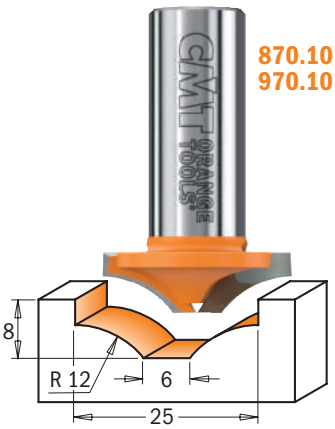


870.501.11
970.501.11

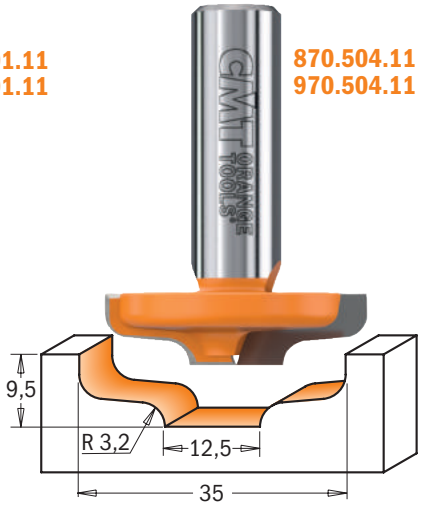
870.502.11
970.502.11

870.503.11
970.503.11

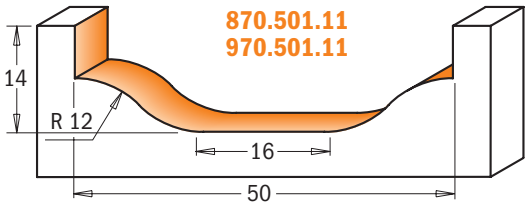
STILE BITS



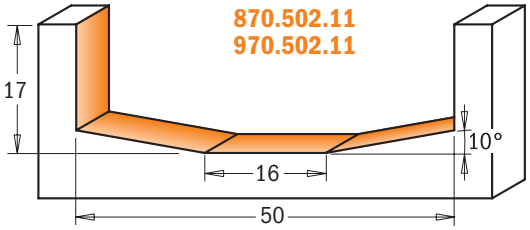
870.101.11
970.101.11



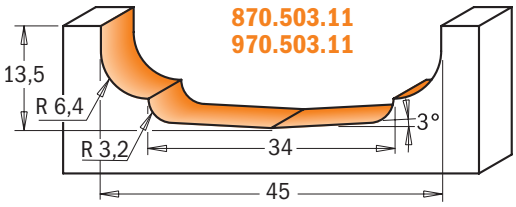
870.504.11
970.504.11



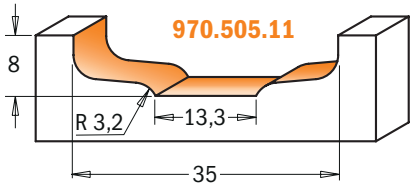
870.501.11
970.501.11



870.502.11
970.502.11

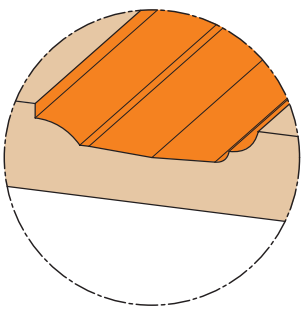


870.503.11
970.503.11

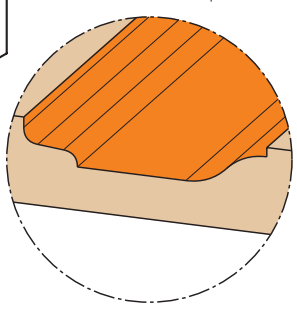


970.505.11

Drawings are 1:1 scale



8/970.503.11
+
8/970.101.11



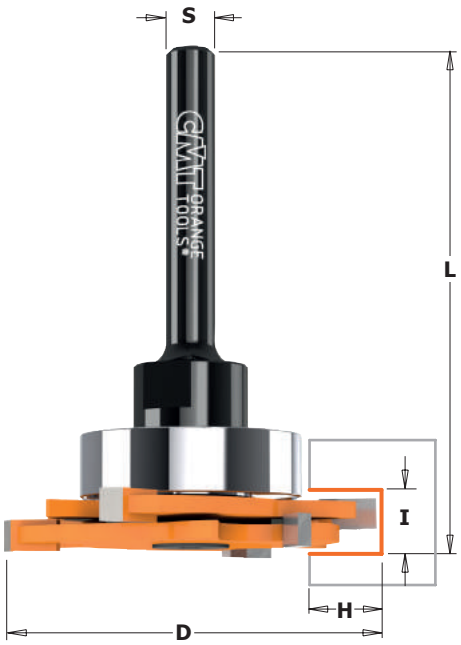
8/970.501.11
+
8/970.504.11

D mm	d mm	I mm	R mm	A	L mm			ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
25	6	8	12		39,8		10	**970.101.11**		**870.101.11**
50	16	14	12		52,1		10		**970.501.11**	**870.501.11**
50	16	17		10°	55,1		10		**970.502.11**	**870.502.11**
45	34	13,5	3,2 - 6,4	3°	51,6		10		**970.503.11**	**870.503.11**
35	12,5	9,5	3,2		47,6		10		**970.504.11**	**870.504.11**
35	13,3	8	3,2		46		10		**970.505.11**	

3-Flute Slot Cutter for STRIPLOX™ Mini

new

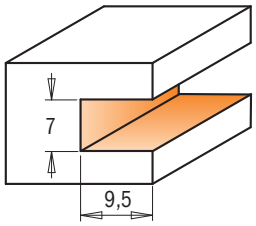
CMT ORANGE TOOLS®



823.371

HW Z3 RH

New CMT cutter for Striplox Mini connectors.
These connectors are invisible joiner suited to everyday builds, custom cabinets, wood joints and any piece of cabinetry, furniture or design application. They produce a tight and strong joint either in a permanent or reversible configuration making them perfectly suited for commercial, domestic and architectural furniture, kitchen, bathroom and wardrobe closets, cabinetry, commercial fit-outs plus many more applications.



Drawings are 1:1 scale

I mm	D mm	H mm	L mm		ORDER NO. S=Ø6,35mm
7	47,6	9,5	65	10	**823.371.11A**

Spare parts

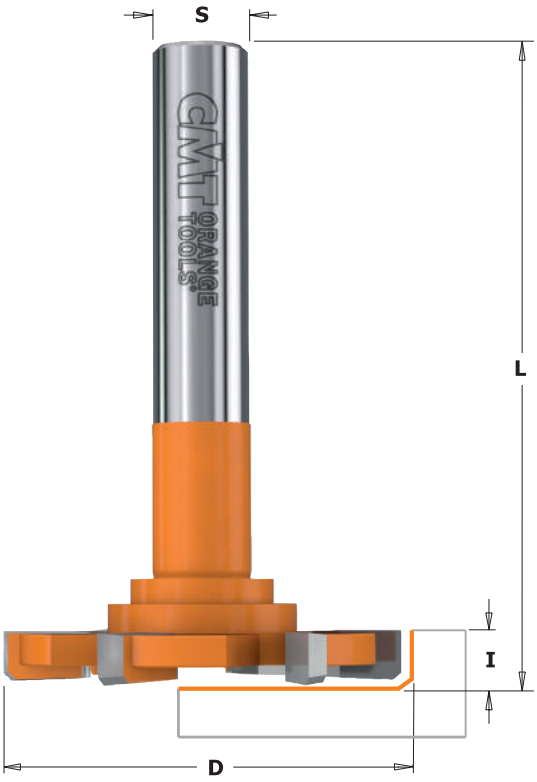
541.515.00	0,1mm spacer
541.516.00	0,3mm spacer
541.517.00	0,5mm spacer

Spare parts

791.030.00	823.340.11	990.055.00	991.067.00

Solid Surface Counter-Top Trim Router Bits

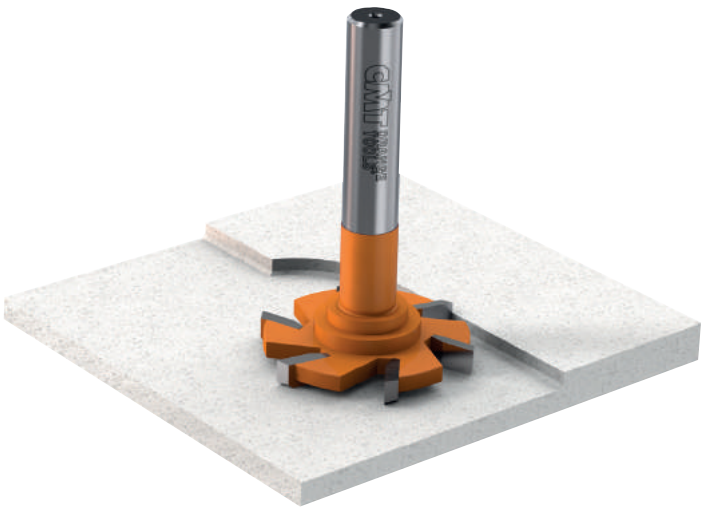
new

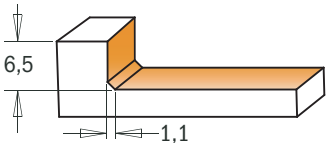


822.034

HW Z6 RH

Create extra-smooth shallow recesses in countertops with this 6-wing tool. The radiused cutting tips produce an edge that's easy on the fingers and simple to clean. Use in a handheld router.





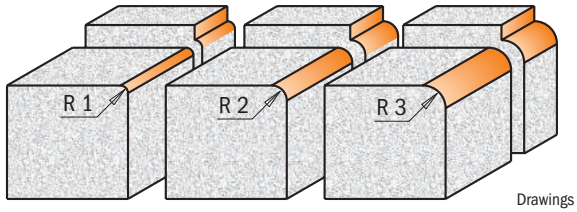
Drawings are 1:1 scale

D mm	I mm	L mm						ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
52	6,5	83,5					5	**922.034.11**	**822.034.11**

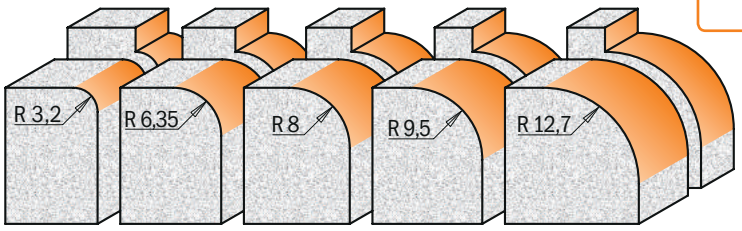
7/8/938 - 8/980.5

HW | α | Z2 | RH

Use these bits to create a traditional roundover edge on solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale

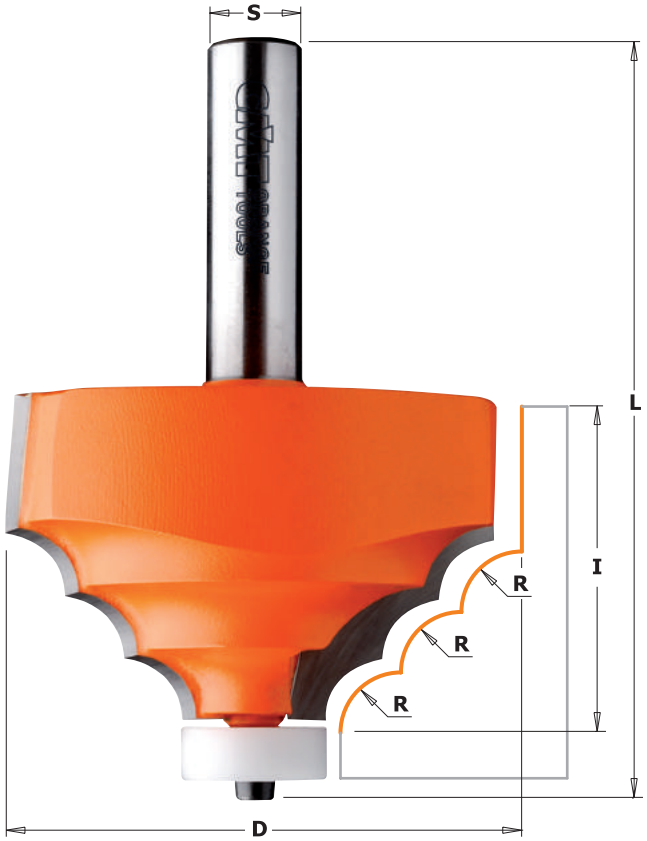


APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
1	14,7	10	51	10		**838.147.11**	**938.147.11**			990.422.00	791.044.00	990.058.00
2	16,7	12,7	52,5	10	**738.167.11**		**938.167.11**			990.422.00	791.044.00	990.058.00
3	18,7	12,7	54	10	**738.187.11**		**938.187.11**			990.422.00	791.044.00	990.058.00
3,2	19,05	12,7	59,5	10				**980.501.11**	**880.501.11**	990.422.00	791.044.00	990.058.00
6,35	25,4	12,7	59,5	10				**980.502.11**	**880.502.11**	990.422.00	791.044.00	990.058.00
8	28,7	15	62,5	10				**980.505.11**	**880.505.11**	990.422.00	791.044.00	990.058.00
9,5	31,75	14	61	10				**980.503.11**	**880.503.11**	990.422.00	791.044.00	990.058.00
12,7	38,1	19,05	66	10				**980.504.11**	**880.504.11**	990.422.00	791.044.00	990.058.00

Spare parts **991.057.00** 3/32" hex key

Solid Surface Decorative Edge Profile Bits

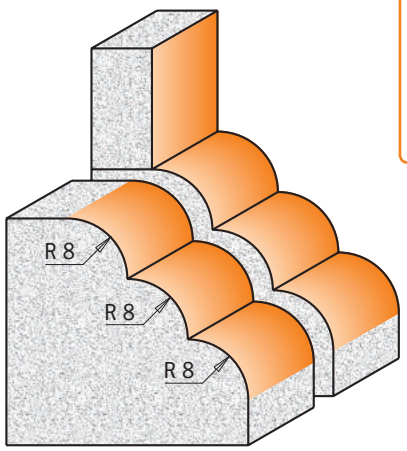


8/980.521

HW | α | Z2 | RH

Create elegant countertops with flawless results. Features a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.

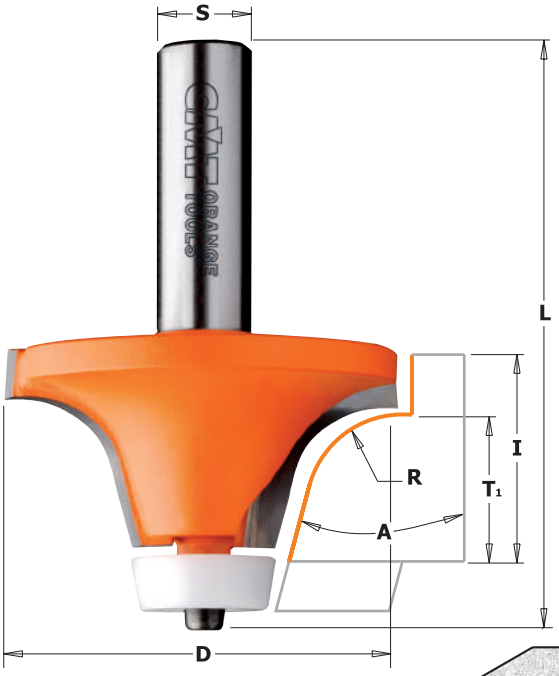
APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.



Drawings are 1:1 scale

D mm	I mm	R mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
66,7	41,3	8	89,8			5	**980.521.11**	**880.521.11**	791.046.00	990.058.00	991.057.00

Solid Surface Rounding Over Bowl Bits

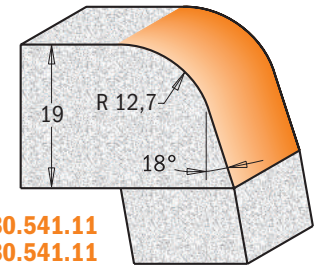


8/966.601/602
8/980.541

HW α Z2 RH

These bits are the best tool for rounding over and trimming countertop edges after the bowl is mounted. Can be used together with the CMT 880.551.11 bevel cutter for a flush cut-out between the countertop and the installed undermount bowl. For use on hand-held routers. Features a non-marring Delrin® bearing to protect the finished edges.

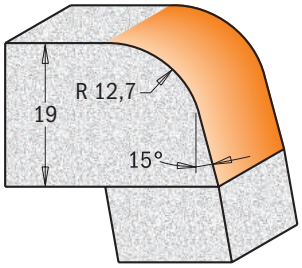
The special angled Delrin® sleeve on the bearing of the CMT bevel cutter lets you work without leaving marks on the work-piece. Trims and shapes all wood and wood materials. Perfect for kitchen and bathroom countertop work.



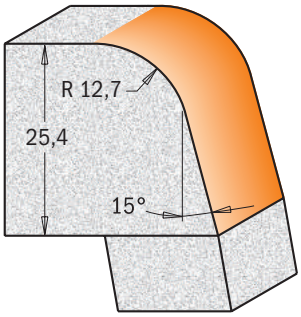
880.541.11
980.541.11

Drawings are 1:1 scale

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.



966.601.11
866.601.11



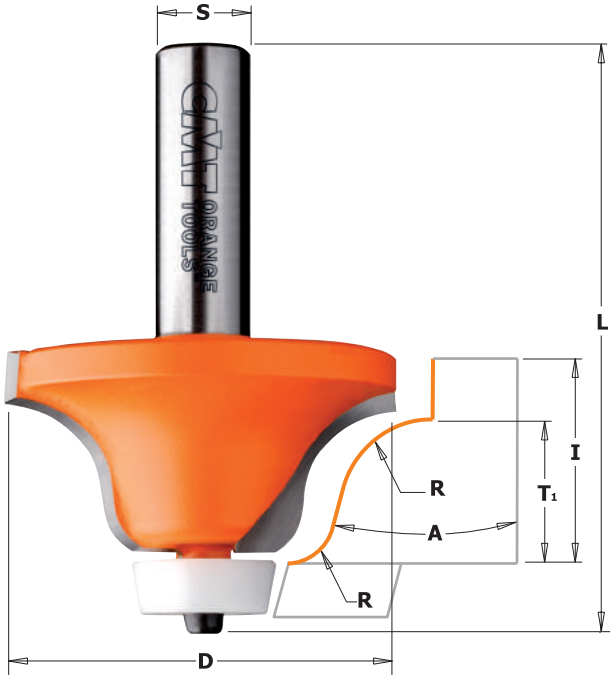
966.602.11
866.602.11

A	D mm	T1 mm	I mm	R mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15°	50,8	19	25,4	12,7	74,9	10	**966.601.11**	**866.601.11**
15°	50,8	25,4	31,75	12,7	81,3	10	**966.602.11**	**866.602.11**
18°	54	19	25,4	12,7	78,1	10	**980.541.11**	**880.541.11**

Spare parts

791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

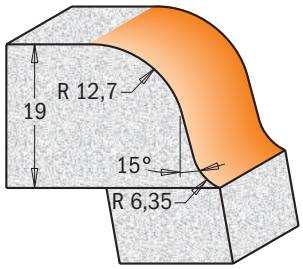
Solid Surface Rounding Over Bowl Bit (ogee profile)



8/980.542

HW α Z2 RH

These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 880.551.11 bevel cutter for a flush cut-out between the countertop and installed undermount bowl. For use on hand-held portable routers. Features a non-marring Delrin® bearing to protect the finished edges.



Drawing is 1:1 scale

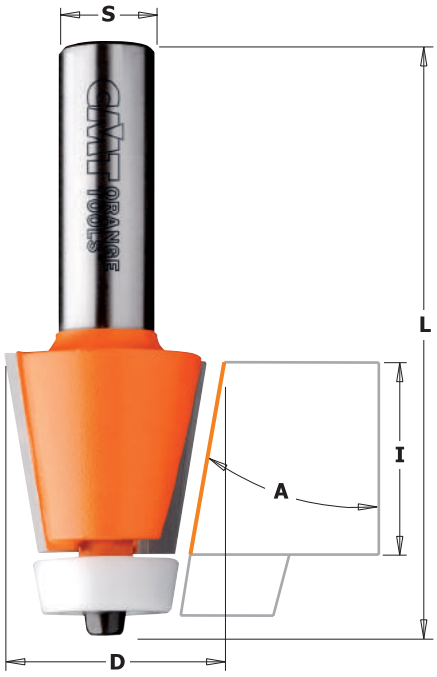
APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

A	D mm	T1 mm	I mm	R mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15°	54	19	25,4	6,35-12,7	77,6	10	**980.542.11**	**880.542.11**

Spare parts

791.041.00	990.058.00	991.057.00

Solid Surface Bevel Bowl Bits

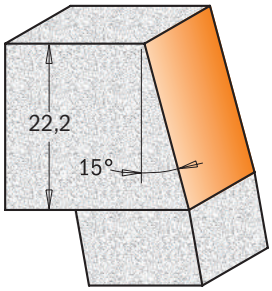


8/966.501 - 8/980.551

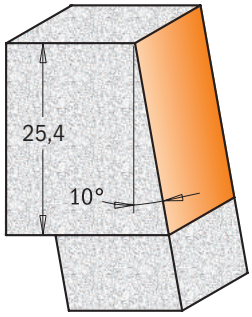
HW | α | Z2 | RH

These bits are designed for undermount applications joining the countertops and sink bowls with a 10° beveled edge. Can be used with the 880.541.11 and 880.542.11 for complete undermount applications. For use on hand-held routers. Features a non-marring Delrin® bearing to protect the finished edges.

Special angled Delrin® sleeve on the bearing of the CMT bevel cutter lets you work without leaving marks on the workpiece. Trims and shapes all wood and wood materials. Perfect for kitchen and bathroom counter top work.



866.501.11
966.501.11



880.551.11
980.551.11

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

Drawings are 1:1 scale

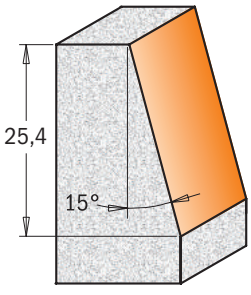
A	D mm	I mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
15°	31,7	22,2	72		10	**966.501.11**	**866.501.11**	791.041.00	990.058.00	991.057.00
10°	28,5	25,4	77		10	**980.551.11**	**880.551.11**	791.041.00	990.058.00	991.057.00

Solid Surface Bevel Bit

8/981.521

HW | α | Z2 | RH

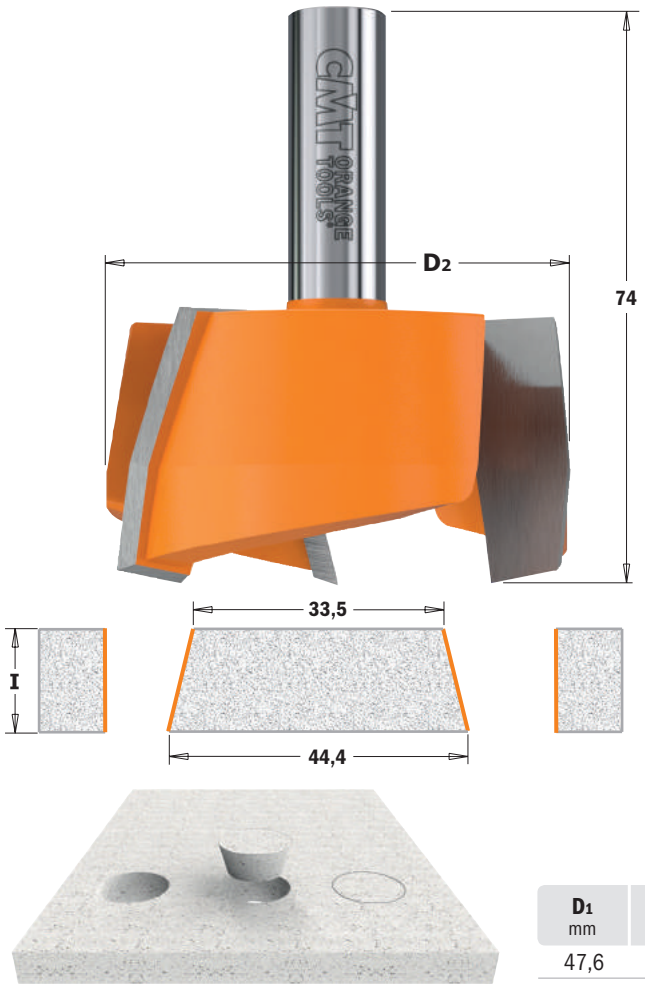
Edge profile bit designed to create a 15° beveled edge on solid surface countertops. Can also be used for European type topmount installation with sinks and bowls. For use on hand-held portable routers.



Drawings are 1:1 scale

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

D mm	d mm	I mm	A	L mm					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
23	9,52	25,4	15°	63,5				10	**981.521.11**	**881.521.11**

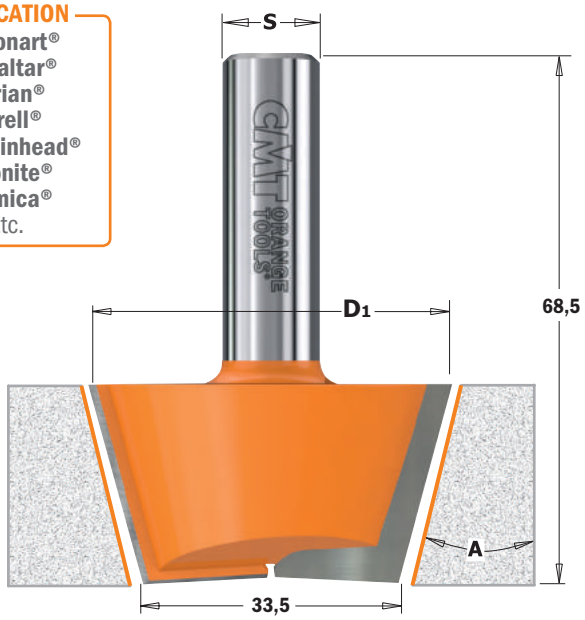


9/881.541

HW | Z2 | Z3 | RH

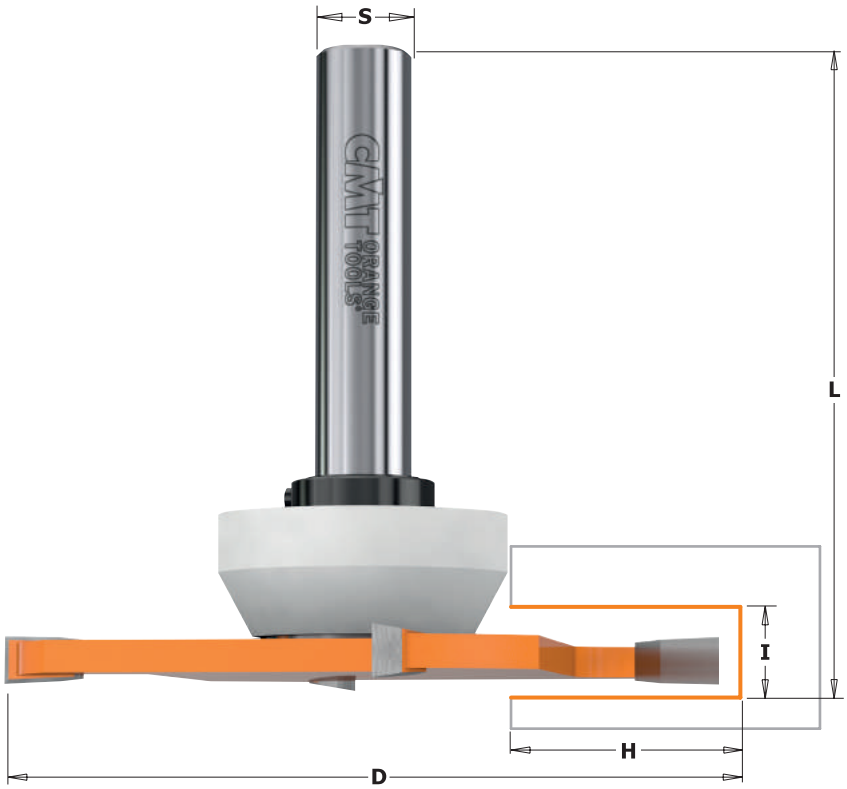
These special carbide-tipped bits work best on solid surfaces or when repairing damaged surfaces. To repair, create the plug with the plug-cutter first, then use the other bit to easily make the hole. Your surfaces will look like new again! For use with hand-held routers or CNC machines.

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.



D1 mm	D2 mm	I mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
47,6	63,5	20	15°	68,5-74	5	**981.541.11**	**881.541.11**

4-Wing Cut Out Slot Cutters for Solid Surfaces



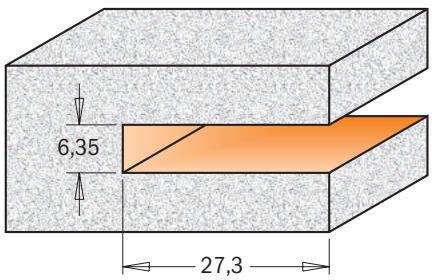
8/922.033B

HW | Z4 | RH

This bit features two tungsten carbide-tipped cutting edges for carving out solid surface undermount bowls. For use on hand-held routers. Bit also equipped with a non-marring Delrin® bearing to protect your surfaces.

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

Drawing is 1:1 scale



D mm	I mm	H mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
92	6,35	27,3	82,5	5	**922.033.11B**	**822.033.11B**

Spare parts

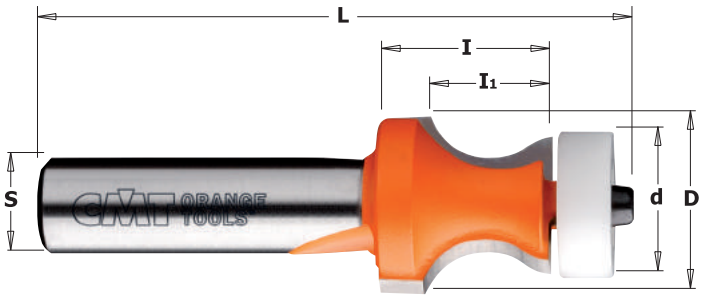
541.553.00	791.047.00	541.002.00	991.056.00

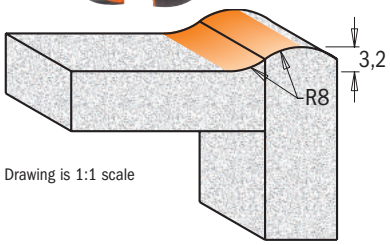
Solid Surface No-Drip Bit

8/981.501

This bit is designed to create “no-drip” edges on kitchen and vanity countertops. Designed for hand-held portable routers on applications where a guide bearing cannot be used. This one bit will cut both the outer and inner profiles creating a slightly raised edge, controlling spilled liquids.

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

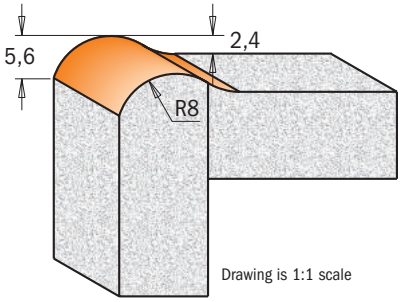




Drawing is 1:1 scale

8/980.531

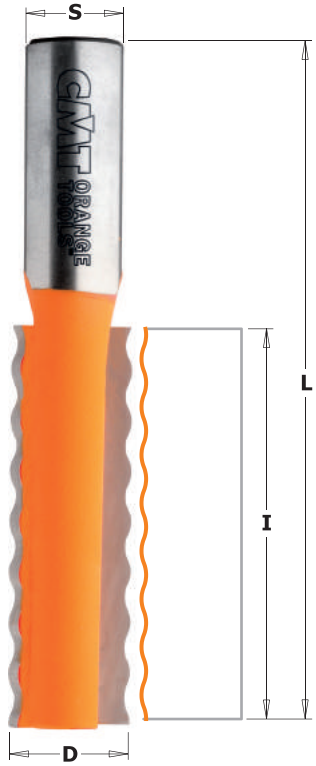
This bit is designed to create “no-drip” edges on kitchen and vanity countertops in a single pass. For use on hand-held routers. Creates a slightly raised edge for controlling spilled liquids. Features a non-marring Delrin® bearing to protect your surfaces.



Drawing is 1:1 scale

D mm	d mm	I mm	I_1 mm	R mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
25,4		12,7	3,2	8	63,5		10	**981.501.11**	**881.501.11**			
25,4	19	22,2	15,87	8	77		10	**980.531.11**	**880.531.11**	791.046.00	990.058.00	991.057.00

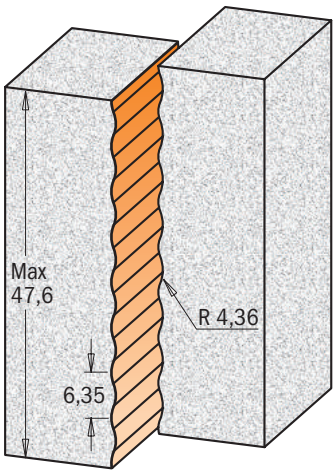
Solid Surface Wavy Joint Bit



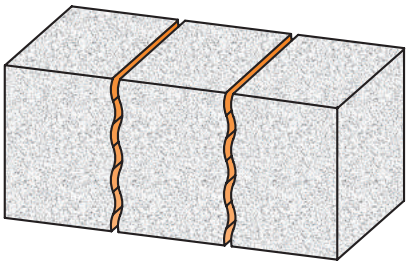
8/981.531

These bits are ideal for making strong joints on any solid surface, thanks to a wider surface area for glue application.

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.



Drawings are 1:1 scale



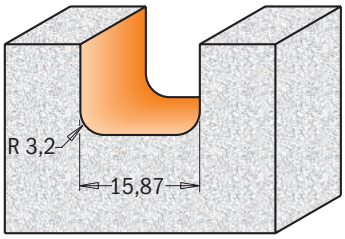
D mm	I mm	R mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15,87	51,5	4,36	89			10	**981.531.11**	**881.531.11**

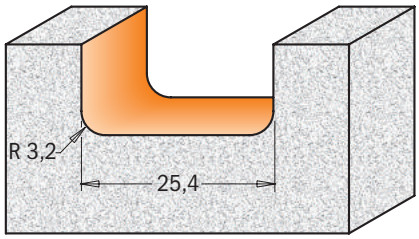
8/981.511-512

HW | Z2 | RH

This bit is ideal for creating custom drainboard patterns in solid surface countertops.
For use on hand-held portable routers.

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

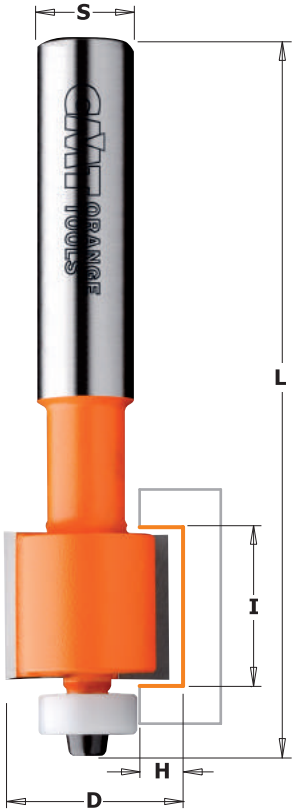




Drawings are 1:1 scale

D mm	I mm	R mm	L mm					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15,87	12,7	3,2	63,5				10	**981.511.11**	**881.511.11**
25,4	12,7	3,2	69,8				10	**981.512.11**	**881.512.11**

Solid Surface - Inlay Bits



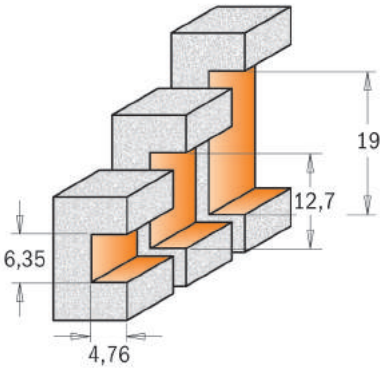
8/980.511-512-513

HW | Z2 | RH

Add a decorative wood, plastic or metal inlay to solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.

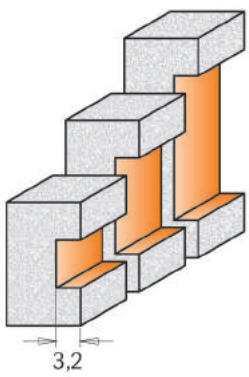
APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

Standard

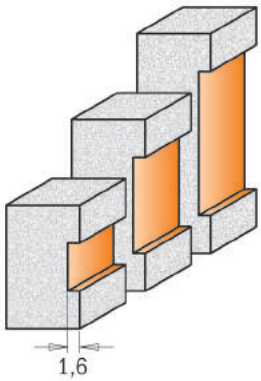


Drawings are 1:1 scale

Optional



optional with bearing 791.045.00



optional with bearing 791.046.00

D mm	I mm	H mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
22,2	6,35	4,76	77			10	**980.511.11**	**880.511.11**
22,2	12,7	4,76	90			10	**980.512.11**	**880.512.11**
22,2	19,05	4,76	90			10	**980.513.11**	**880.513.11**

Spare parts

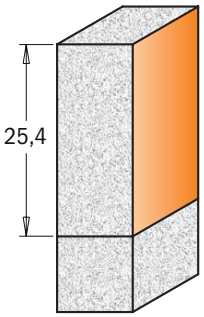
791.044.00	990.058.00	991.057.00
791.044.00	990.058.00	991.057.00
791.044.00	990.058.00	991.057.00

8/980.57

HW Z2 RH

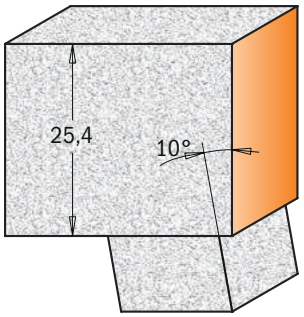
Trim a sink cut-out flush with the bowl in stages using these "over-hang" and flush trim bits. The Delrin® bearings are tapered to match the slope of the bowl's side. A first pass with the over-hang bit cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit completes the operation. Made from super micrograin carbide for guaranteed longer life!

APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.



880.571.11
980.571.11

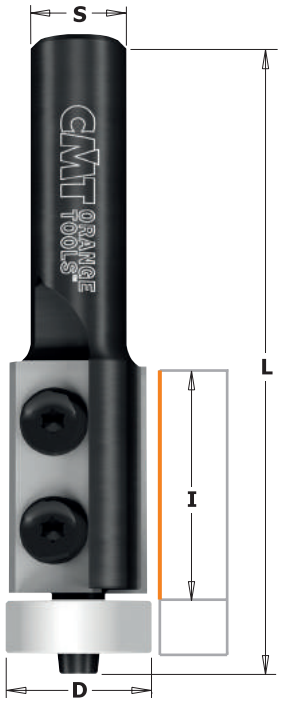
Drawings are 1:1 scale



880.572.11
980.572.11

D mm	I mm	A	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
19,05	25,4		78			10	**980.571.11**	**880.571.11**	791.046.00	990.058.00	991.057.00
22	25,4	10°	78			10	**980.572.11**	**880.572.11**	791.048.00	990.058.00	991.057.00

Solid Surface Sink & Trim Bits with Insert Knives



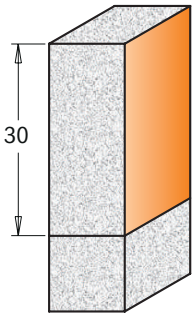
8/980.56

INSERT CARBIDE LONG LIFE Z2 RH 2X LONGER LIFE

Trim a sink cut-out flush with the bowl in stages using these "over-hang" and flush trim bits. The Delrin® bearings are tapered to match the slope of the bowl's side. A first pass with the over-hang bit cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit completes the operation. Made from super micrograin carbide for guaranteed longer life!

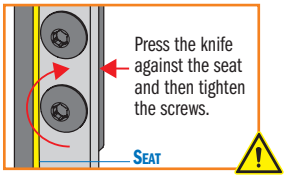
APPLICATION
Wilsonart®
Gibraltar®
Corian®
Surell®
Fountainhead®
Avonite®
Formica®
Etc.

Drawing is 1:1 scale

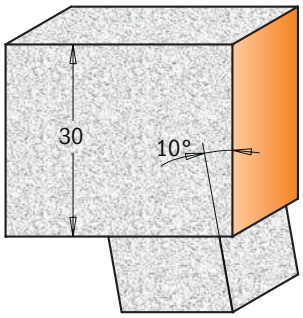


880.561.11
980.561.11

CORRECT KNIFE POSITIONING



880.562.11
980.562.11



Drawing is 1:1 scale

D mm	I mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts					
19,05	30		83	10	**980.561.11**	**880.561.11**	790.300.03	990.075.00	991.061.00	791.046.00	990.058.00	991.057.00
22	30	10°	83	10	**980.562.11**	**880.562.11**	790.300.03	990.075.00	991.061.00	791.048.00	990.058.00	991.057.00

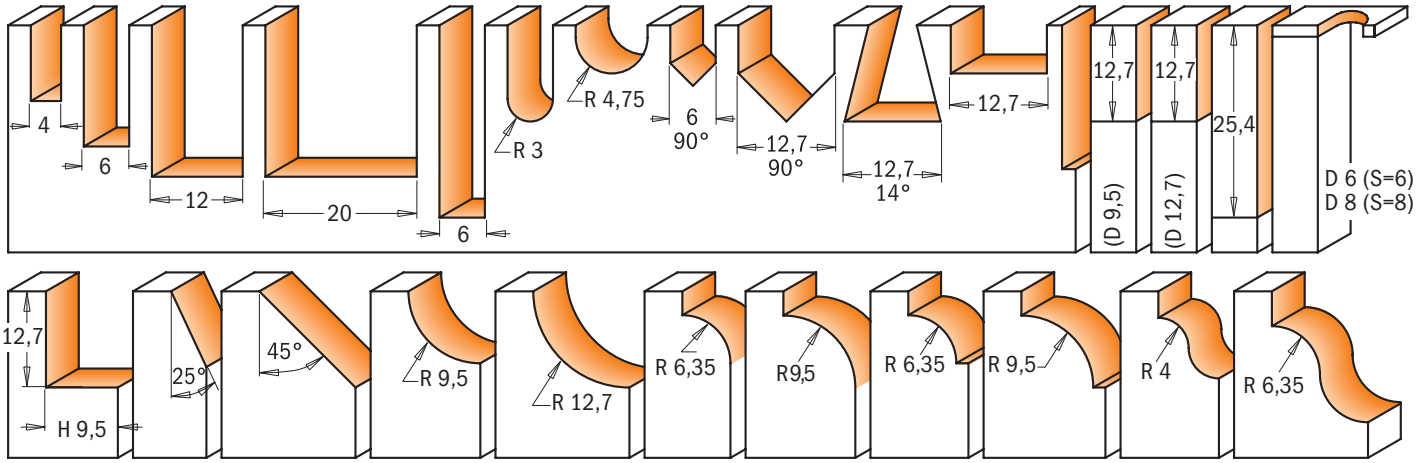
900.003

HWM HW Z2 RH

Find a whole workshop in this practical 26-piece router bit set! Offers a wide selection of the most popular tools including straight bits, flush trim bits, dovetail bits, cove bits, ogee bits and so much more. An endless selection of tools to express your wood-working creativity! Ideal for the master craftsman! Available in 6mm to 8mm shank diameters. See chart below for details.

Description		Order No. S=Ø8mm
26-Piece Router Bit Sets	1	**900.003.00**

Drawings are 1:1 scale



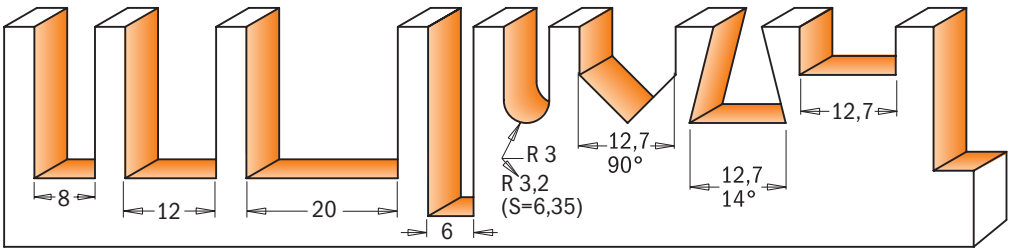
15-Piece Router Bit Sets

8/900.001

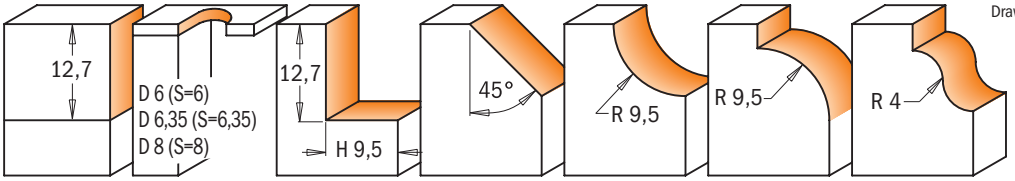
HWM HW Z2 RH

CMT's router bit set is the perfect companion for the professional craftsman. This set offers a selection of organized and ready-to-use straight and profile bits. Added value for any woodworker! Each bit is made with Fatigue Proof® steel, micrograin carbide and is coated with orange non-stick PTFE.
Comes with a hardwood snap-lock case for safe storage!

Description		Order No. S=Ø6,35mm	Order No. S=Ø8mm
15-Piece Router Bit Sets	1	**800.001.00**	**900.001.00**



Drawings are 1:1 scale



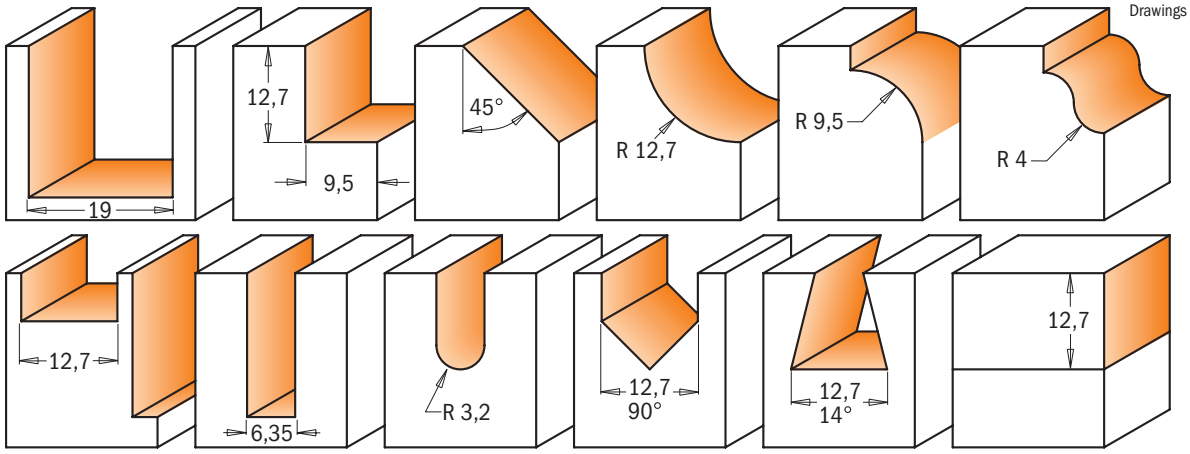
800.503

HWM HW α Z2 RH

CMT's 12 most frequently used 6.35mm shank router bits assembled in a compact and attractive hardwood case for your convenience! The bits are made with the finest steel and carbide and feature our trademark orange PTFE coating.
The perfect case for any professional woodworker!

Description		Order No. S=Ø6,35mm
12-Piece Router Bit Sets	1	**800.503.11**

Drawings are 1:1 scale



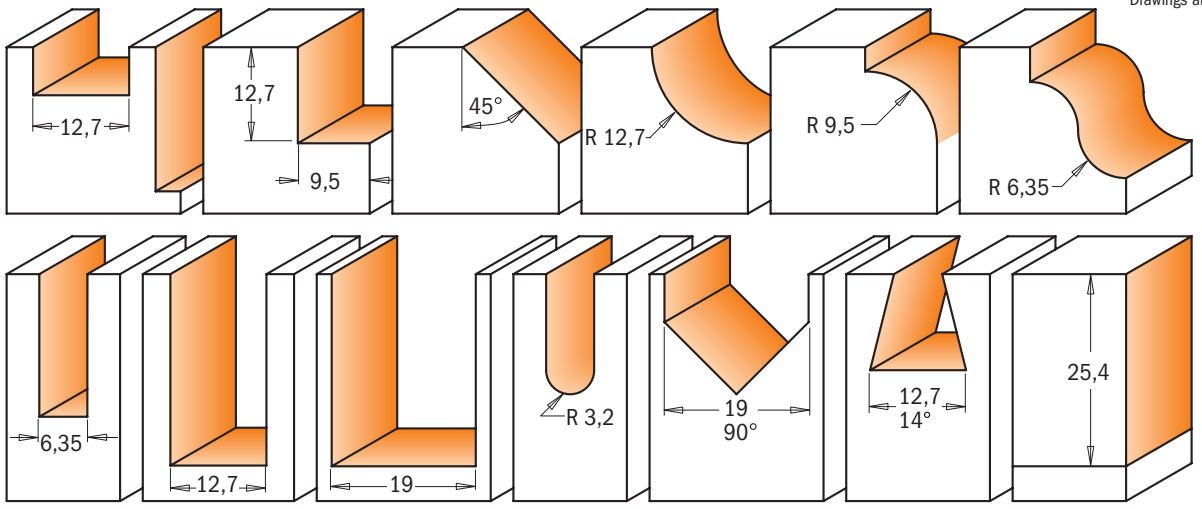
800.505

HWM HW α Z2 RH

CMT's 13 most frequently used 12.7mm shank router bits assembled in a compact and attractive hardwood case for your convenience! The bits are made with the finest steel and carbide and feature our trademark orange PTFE coating.
The perfect case for any professional woodworker!

Description		Order No. S=Ø12,7mm
13-Piece Router Bit Sets	1	**800.505.11**

Drawings are 1:1 scale

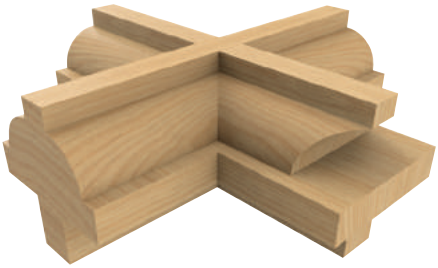


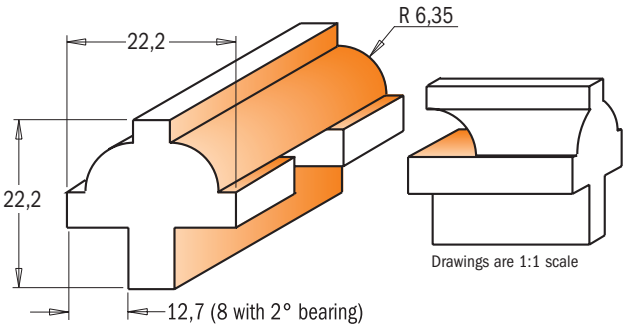
Divided Light Door Sets

800.525 - 900.025

HW | Z2 | RH

Build authentic divided light doors for fine furniture and cabinets with these 3-piece sets. They include a stuck bit to cut the decorative ovolo profile on the frame edges, a cope to shape the mating profile on the ends of the stock, and a rabbeting bit to cut the recess for the glass. Thanks to the guide bearings, you can also create arches on curved frames. The unique design of the cope bit allows you to use full-length tenons to create strong, authentic mortise-and-tenon joinery. As the stock is coped, the tenon passes over the bit. These sets are designed for 22,2mm wide bars such as those on corner cupboard doors.
Available in 8mm and 12,7mm shanks.
Instructions included.





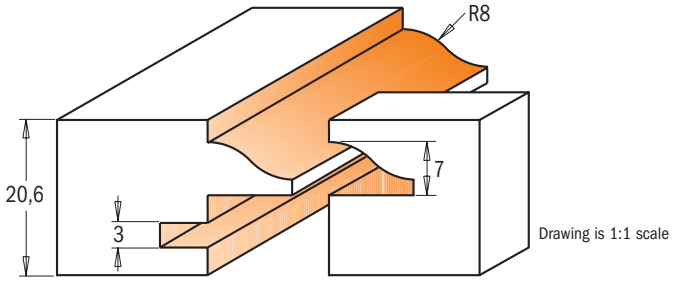
Description		Order No. S=Ø8mm	Order No. S=Ø12,7mm
Divided Light Door Sets	1	**900.025.11**	**800.525.11**

Glass Panel Sets

8/955.803

HW | Z2 | Z3 | RH

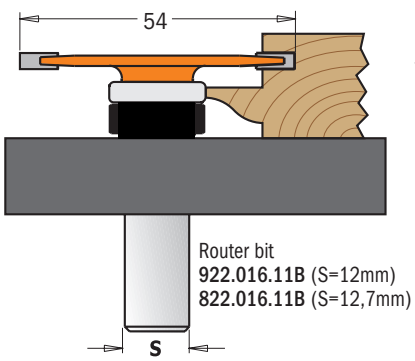
CMT's unique stile and rail router bit sets allow you to produce glass panel doors by using a rubber panel retaines to secure the glass in a 3,2mm slot cut into the frames. These bits work the same as other CMT stile and rail sets, but they leave you with a square rabbet on the inside of your door for installing the glass panel. Available in 12mm and 12,7mm shanks.



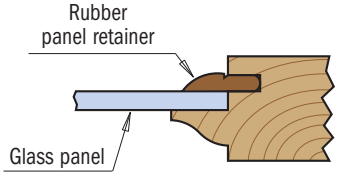
Description		Order No. S=Ø12mm	Order No. S=Ø12,7mm
Glass Panel Sets	1	**955.803.11**	**855.803.11**

Optional GLAS/RTBRN Glass panel retainers 762cm.

GLASS PANEL RETAINERS



HERE'S HOW IT WORKS:
Mill the cope and pattern cuts first, then use the slot cutter to cut the groove for the rubber panel retainer. The edge of the pattern cut will ride on the bearing of the slot cutter bit. When you cut the slot in the rails you can cut the slot the full length of the stock. When you cut the slot in the stiles you need to set up reference points to stop and start the cuts so they are hidden from view on the top and bottom of the doors.



GLAS/RTBRN

Our unique retainer strips fit perfectly in the slots created by the slot cutter bit and hold your glass securely in the frame. Sold in 762cm. lengths.

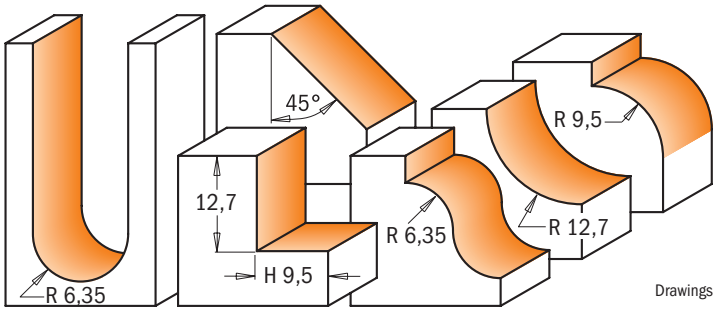
6-Piece Profile Bit Sets

800.504

HW | α | Z2 | RH

Containing 6 of CMT's most frequently used 12,7mm shank router bits, this compact Italian hardwood case is beautiful and convenient for your woodworking needs. All the bits contained feature the finest steel and carbide, plus CMT's baked-on orange PTFE non-stick coating.

Description		Order No. S=Ø12,7mm
6-Piece Router Bit Sets	1	**800.504.11**



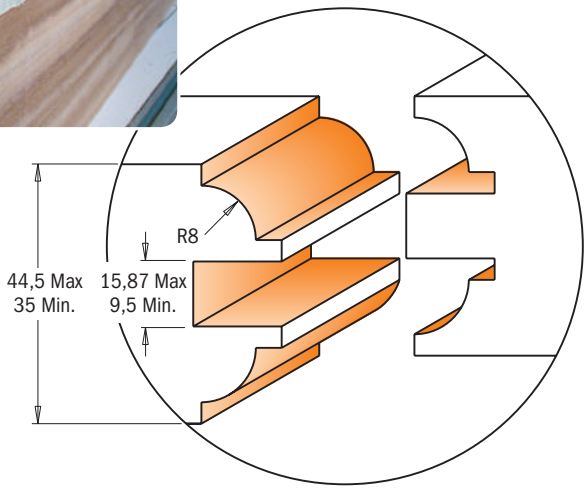
Drawings are 1:1 scale

Entry & Interior Door Router Bit Set

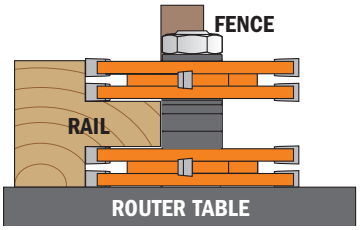
8/900.527

HW | α | Z2 | RH

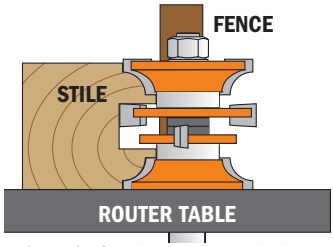
This CMT three-piece router bit set simplifies door construction, making it easy as 1-2-3! In fact this is a multifunctional set for door and furniture makers, building entry or passage doors and any furniture tenons. The tenon cutter included in the set, produces a beefy 27mm long tenon. Along with the cope cutter, this means you can craft long and strong tenons with minimum setup. As an extra bonus, the tenon cutter can be used for making furniture requiring tenons anywhere from 4.7mm to 16mm in thickness.



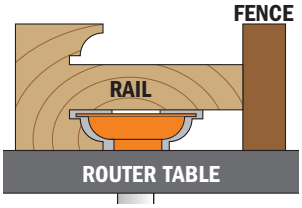
Entry & interior door construction
Easy as 1, 2, 3!



Step 1. Cut the tenon into the rails



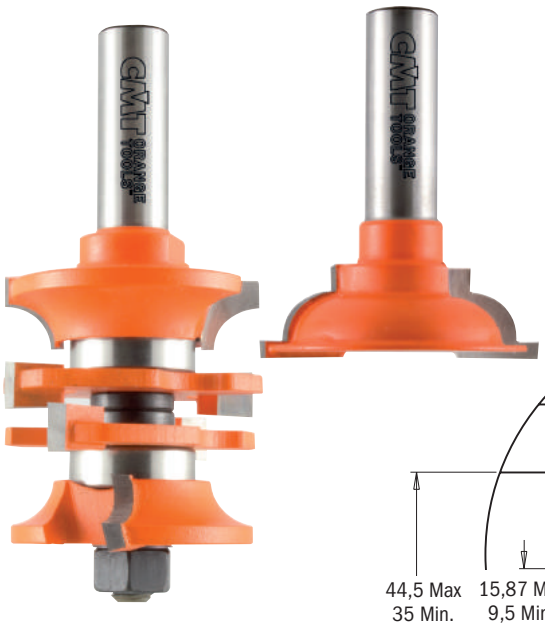
Step 2. Cut the groove and door profile in pieces.



Step 3. Undercut the tenons to cope the ends of the rails.

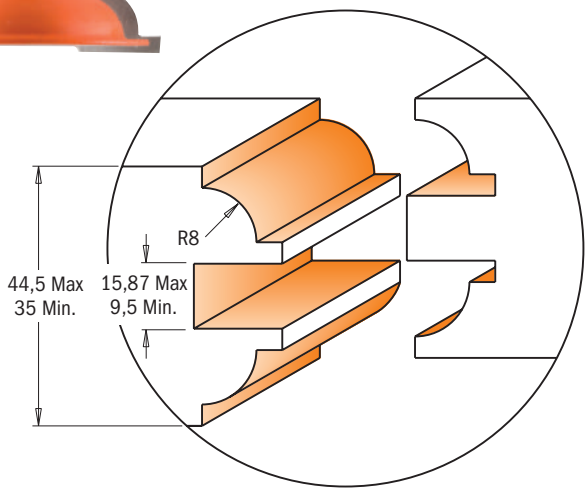
Description		Order No. S=Ø12mm	Order No. S=Ø12,7mm
3-Piece Entry & Interior Door Router Bit Set	1	**900.527.11**	**800.527.11**

2-Piece Entry Door Router Bit Set

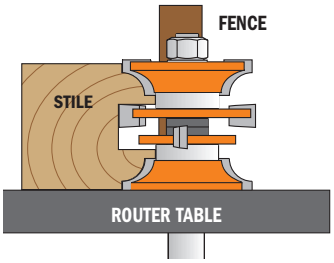


8/955.806

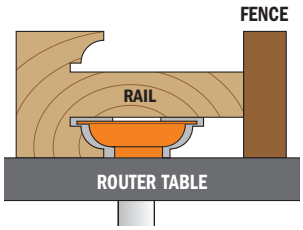
These bits allow you to create tongue-and-groove joints and produce entry and passage doors with minimal effort. The bit on the left, when used in pair with the bit 800.628.11, is great for producing long and beefy tenons, whereas the other tool makes the decorating profile.



Entry & Interior Door Construction



Application 1: cut the groove and the door profile in all pieces.



Application 2: undercut the tenon to cope the ends of the rails.

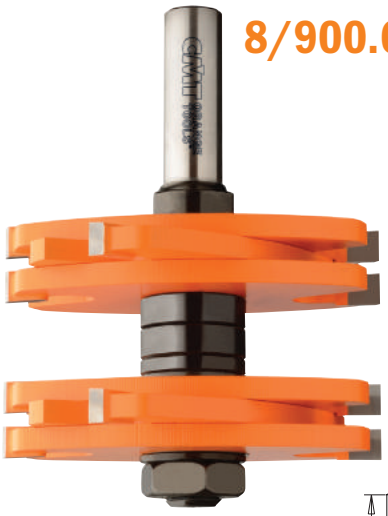
D mm	I mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
44,5-48	35-44,5	5	**955.806.11**	**855.806.11**

Spare parts

8-22mm	up	down		0,1mm	0,3mm	3mm	
791.005.00	822.021.11A	822.021.11B	822.022.11	541.515.00	541.516.00	541.500.00	990.020.00

Tenon Cutting Router Bits

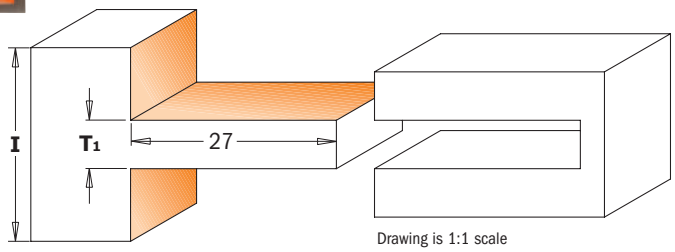
8/900.628



8/900.627

If you've struggled with adjusting tenons, we've got the perfect solution for you! CMT's tenon cutting router bit will produce the most perfect fitting tenons in every board you cut, even if the boards vary in thickness. Simply set the distance between the cutters using the included spacers, and you can easily cut tenons from 4,76mm (3/16") to 9,5mm (3/8") thick, up to 27mm (1-1/16") long. This simple-to-use router bit takes the mystery out of achieving the excellent tenon-to-mortise fit required for high quality joinery.

Maximum speed
MAX RPM 12.000



Drawing is 1:1 scale

8-900.627

T1	Spacers (mm) 6,35mm	3,2mm	1,6mm
4,76mm	1	0	0
6,35mm	1	0	1
8mm	1	1	0
9,5mm	1	1	1

D mm	I mm	T1 mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
75	34,9	4,76-9,5	5	**900.627.11**	
75	34,9	4,76-9,5	5		**800.627.11**
75	44,5	9,5-15,8	5	**900.628.11**	
75	44,5	9,5-15,8	5		**800.628.11**

Spare parts

		0,1mm	0,3mm	1,6mm	3,2mm	6,2mm	
924.134.00	822.020.11	541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
824.134.00	822.020.11	541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
924.135.00	822.020.11	541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
824.135.00	822.020.11	541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00

The Cabinetmaking Sets

HW | α | Z2 | RH

Available with raised panel bits in two different profiles, these sets feature six router bits for making arched raised panel doors and professional drawer fronts. These sets include:

OGEE RAIL & STILE BITS: these two perfectly matched tools will eliminate the frustration of setting up reversible cutters. The stile bits also feature shear angles for neater cuts.

RAISED PANEL BIT WITH BACKCUTTER: this 88,9mm diameter bit features a backcutter for milling both the front and the back on the panel in a single cut. We recommend using a 31mm diameter bearing to work safely in two shallow passes.

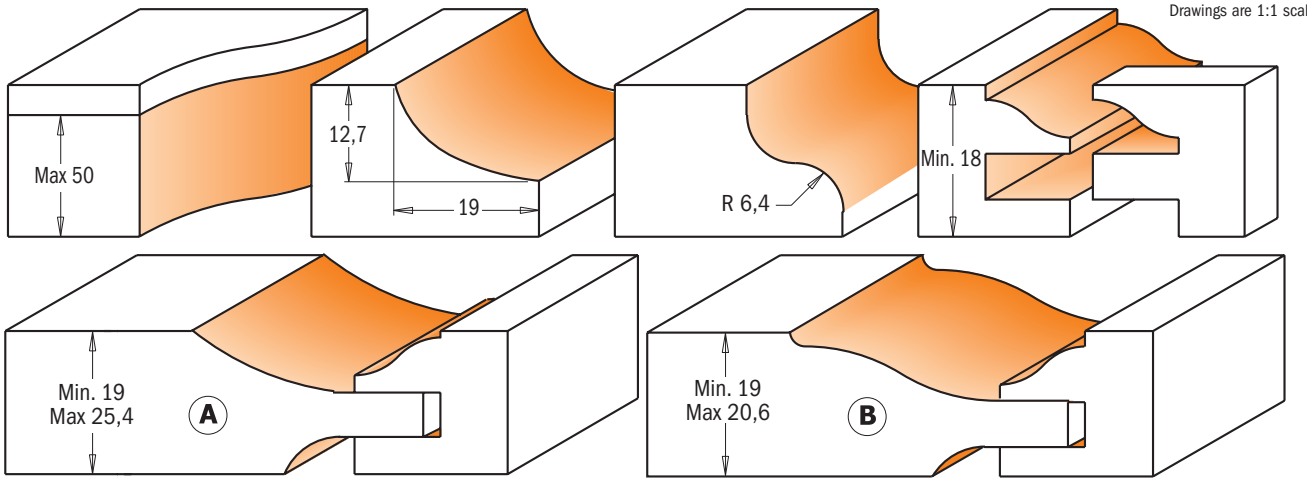
SUPER-DUTY FLUSH TRIM BIT: this 19mm diameter bit gives you a superior cut with minimal chipping, even on end grain.

OGEE DOOR EDGE BIT: a subtle cove followed by a subtle roundover adds an elegant touch to your door edge.

DRAWER FRONT BIT: this bit makes a mini-raised panel cut on the outside edges of your drawer fronts.

Description			Order No. S=Ø12,7mm
The Cabinetmaking Sets - Profile A	(6 HW pcs.)	1	**800.515.11**
The Cabinetmaking Sets - Profile B	(6 HW pcs.)	1	**800.520.11**

Drawings are 1:1 scale



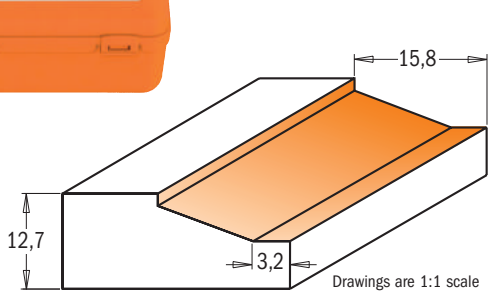
Small Arch Door Sets

800.524 - 900.024

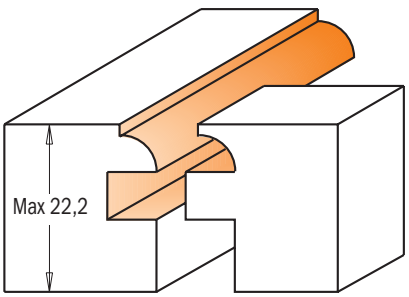
HW | α | Z2 | RH

These 3-piece sets will produce beautifully raised panel doors with a classic bevelled profile. Designed for use in fine furniture making, these sets include two matched cope and stick bits to produce frames from 15,87mm to 19mm in thickness. The stick bit shapes a decorative 4,76mm thumbnail moulding along the edge of the frame. The panel bit is designed for 12,7mm thick material. All bits are equipped with guide bearings for shaping curved work such as the small arched panel doors seen on secretaries and corner cabinetry.
These sets also produce panels for small chests, lids for small boxes, or drawer fronts. Instructions included.

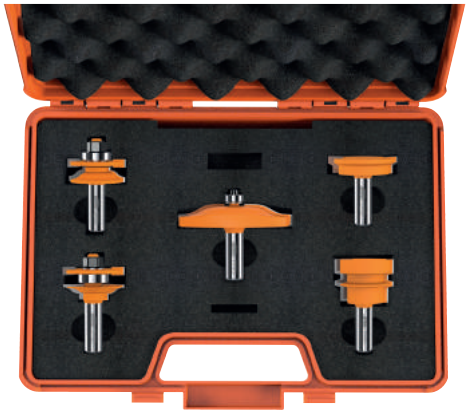
Description			Order No. S=Ø8mm	Order No. S=Ø12,7mm
Small Arch Door Sets	(3 HW pcs.)	1	**900.024.11**	**800.524.11**



Drawings are 1:1 scale



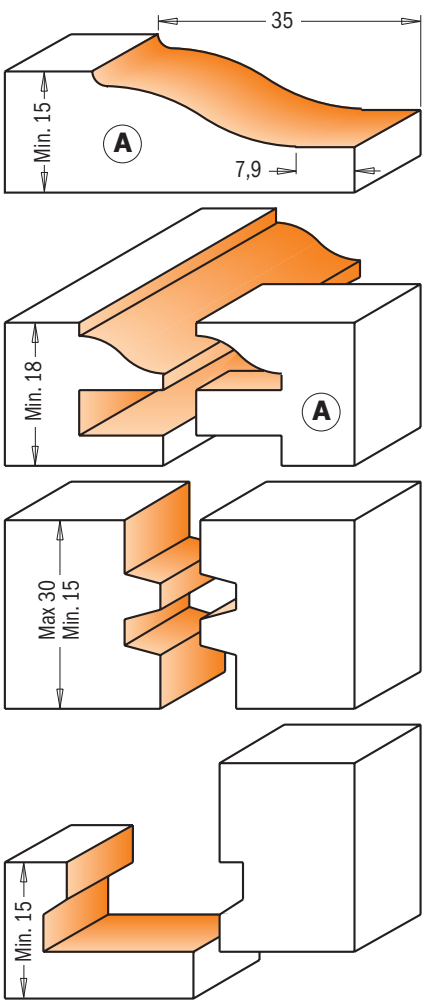
CMT's Complete Kitchen Set



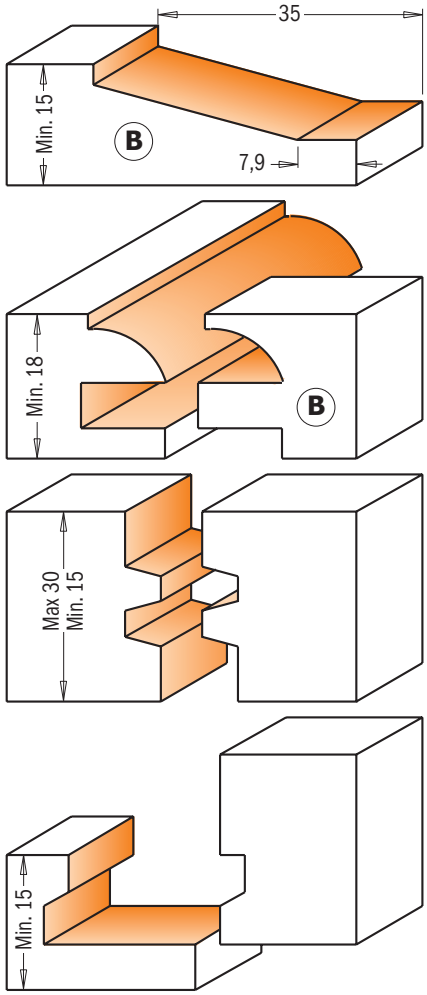
These CMT's sets aren't only a random selection of odds and ends packaged in a nice elegant box, but they are also professional kits for drawer and door makers.
3 sets to choose from, 5 different bits to suit your needs: a raised panel bit, rail and stile bits, a glue joint and a drawer lock bit. Please refer to the illustrations below for complete profile options.

Drawings are 1:1 scale

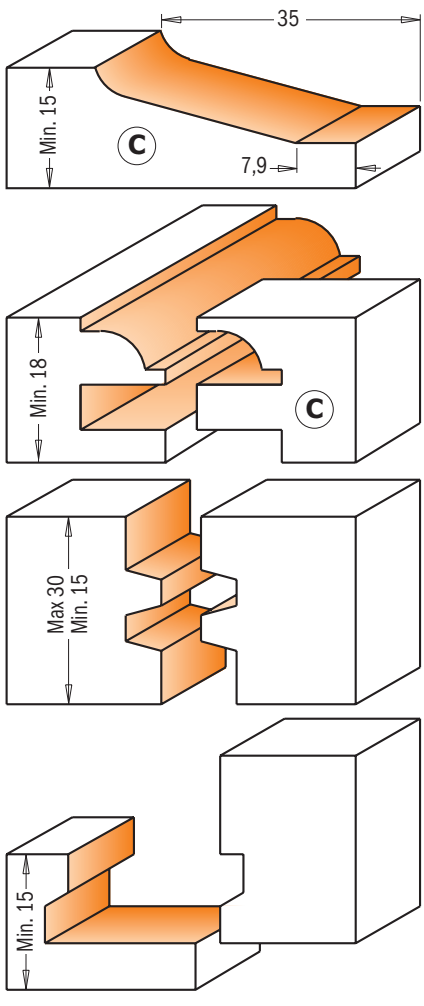
8/900.509.11



8/900.510.11



8/900.511.11

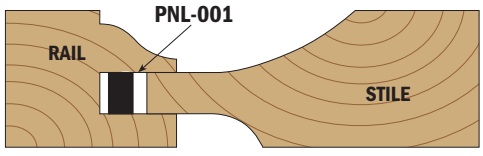


Description			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
CMT's Complete Kitchen Set - Profile A	(5 HW pcs.)	1	**900.509.11**	**800.509.11**
CMT's Complete Kitchen Set - Profile B	(5 HW pcs.)	1	**900.510.11**	**800.510.11**
CMT's Complete Kitchen Set - Profile C	(5 HW pcs.)	1	**900.511.11**	**800.511.11**

Panalign Strips

Beautiful panel doors can be ruined by a poorly-aligned panel. Next time, slip panalign strips into the rails to keep panels perfectly centred while allowing for expansion. Unlike carpet foam, which eventually loses elasticity and ceases to work, the rubber in panalign strips is specially designed to spring back indefinitely. The rectangular shape makes the strips easy to handle. Typical doors require 4 to 8 strips each.

PNL

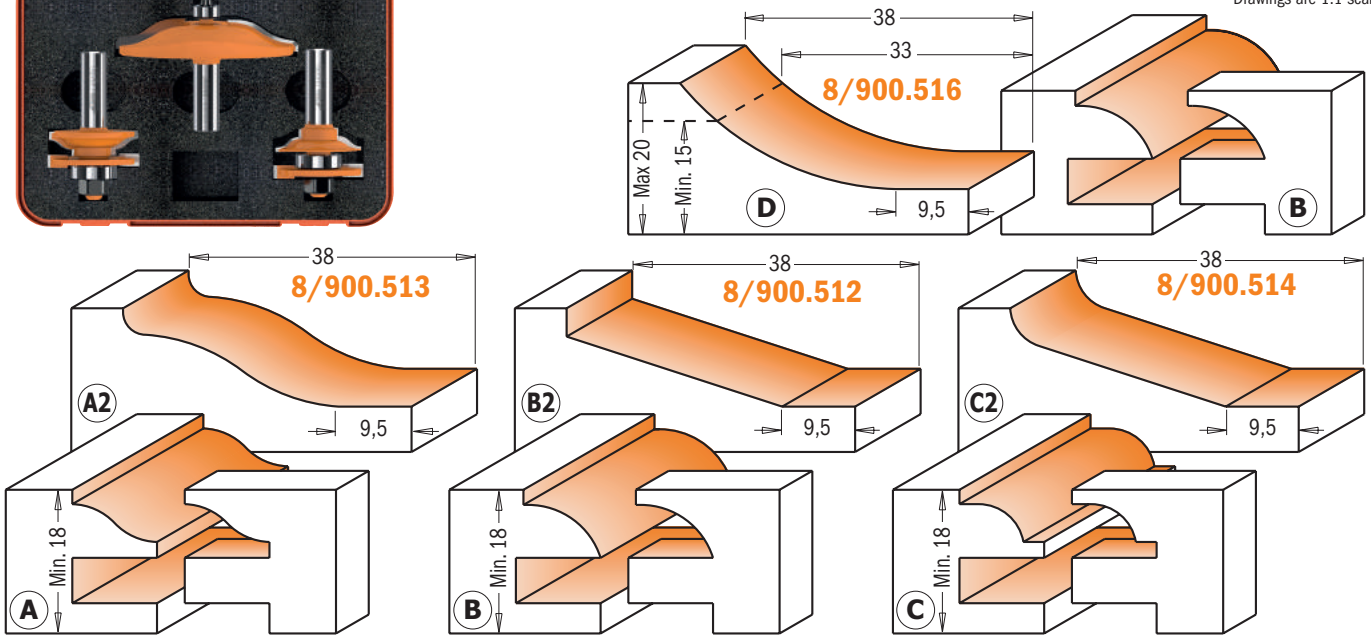


Description	Dimension mm	Qty.		ORDER NO.
Panalign Strips	27x7x7mm	200	1	**PNL-001**

Kitchen Sets

Our 3 piece kitchen set includes a couple of rail and stile bits and a raised panel bit. Choose among 4 possible profiles to make panel doors easily economically. Each bit is made from bar stock steel and the highest quality tungsten carbide, along with the trademark orange non-stick PTFE coating. Also, they all come with their protective hardwood case: perfect for keeping your bits safe, organized and within reach.

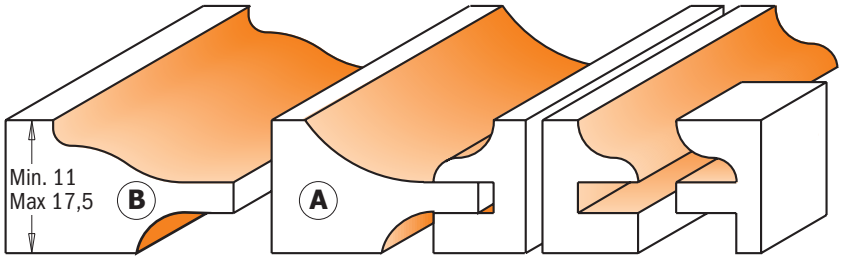
Drawings are 1:1 scale



Description		Order No. S=Ø12mm	Order No. S=Ø12,7mm
Kitchen Set - Profile A+A_2	1	900.513.11	800.513.11
Kitchen Set - Profile B+B_2	1	900.512.11	800.512.11
Kitchen Set - Profile C+C_2	1	900.514.11	800.514.11
Kitchen Set - Profile D+B	1	900.516.11	800.516.11

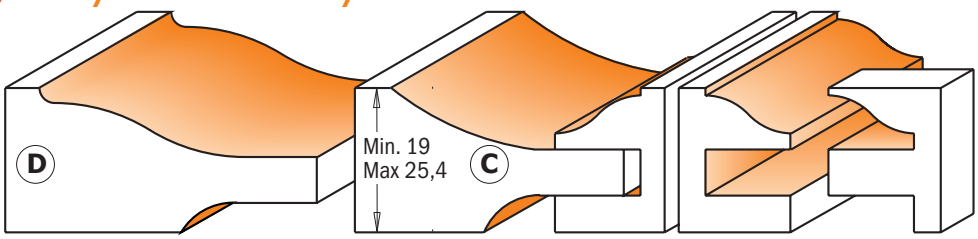
The Raised Panel Sets with Backcutter

8/900.518 - 8/900.522



8/900.517 - 8/900.521

Drawings are 1:1 scale



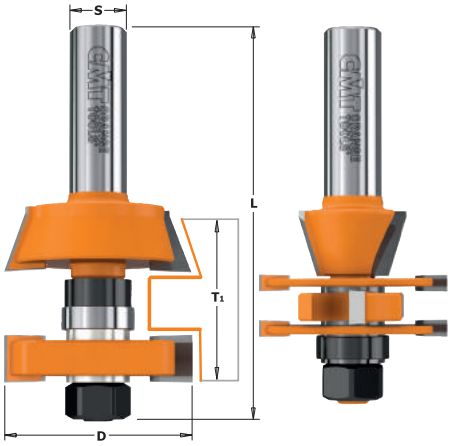
CMT's junior raised panel sets add intricate detail on a whole new scale! You will make frame and panel details as small as 70mm square in material as thin as 11mm. Delicate panel doors are only the beginning – use these bits with templates to add interesting arches to your work. The sets include a choice of a cove or an ogee raised panel bit and an ogee rail & stile pair.

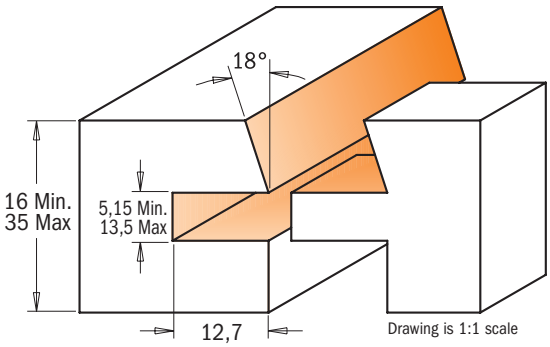
Description				Order No. S=Ø12mm	Order No. S=Ø12,7mm
Junior Raised Panel Sets - Profile A	(3 HW pcs.)	Ø63,5mm.	1	900.518.11	800.518.11
Junior Raised Panel Sets - Profile B	(3 HW pcs.)	Ø63,5mm.	1	900.522.11	800.522.11
Raised Panel Sets - Profile C	(3 HW pcs.)	Ø89mm.	1	900.517.11	800.517.11
Raised Panel Sets - Profile D	(3 HW pcs.)	Ø89mm.	1	900.521.11	800.521.11

8/900.624

HW Z2 RH

These new bit sets are excellent for producing adjustable tongue and groove joints with a bevel, in order to eliminate panel rattle that may occur with the production of standard cabinets. Cut precise grooves into your plywood veneered panels and make perfect rattle-free fits. To be used on table-mounted routers. Avoid using these bits in hand-held power tools.





D mm	T1 mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
41,2	16 - 35	18°	87	5	**900.624.11**	**800.624.11**

Spare parts

	3,7mm	7,14mm	3,7mm	10,4mm	
791.025.00	822.025.11	822.026.11	822.027.11	822.028.11	990.020.00

Spare parts

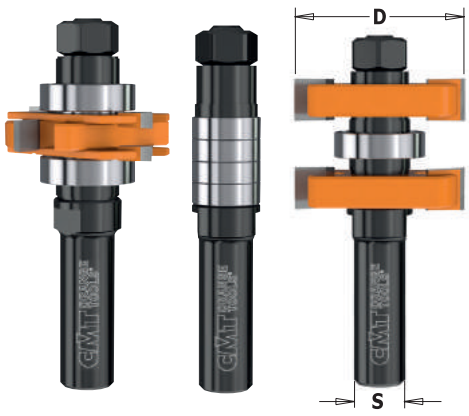
541.515.00 0,1mm spacer
541.516.00 0,3mm spacer
541.517.00 0,5mm spacer
541.518.00 1mm spacer
541.500.00 3mm spacer
541.519.00 5,8mm spacer

Adjustable Tongue & Groove Bit Set for Mission Style Cabinet Doors

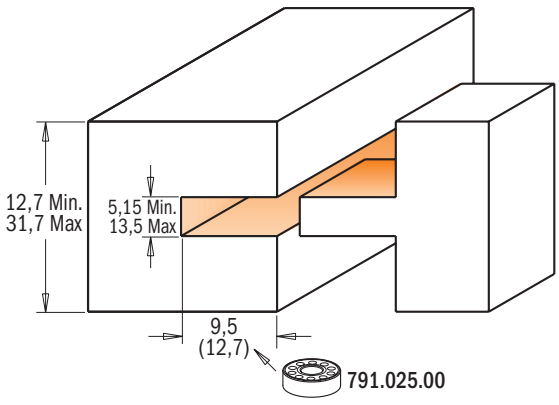
8/900.625

HW Z2 RH

Exclusive CMT design which allows the perfect fix for undersized plywood panel. The tongue cutter features opposing shear angles to obtain flawless finishing on a large variety of materials such as plywood, softwood and hardwood. For use on a table-mounted router, not for handheld routers.
- Adjustable at 0.050mm (0.002") increments;
- For groove width from 5mm (13/64") to 13,5mm (17/32");
- Cut stock thickness of 12,7mm (1/2") to 31,7mm (1-1/4");
- Features micrograin carbide for longer life.



Drawing is 1:1 scale



D mm	T1 mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
41,2	5,15-13,5	5	**900.625.11**	
41,2	12,7-31,7	5		**800.625.11**

Spare parts

	8-22mm	3,7mm	7,14mm	3,7mm	10,4mm	
924.136.00	791.012.00	822.025.11	822.026.11	822.027.11	822.028.11	990.020.00
824.136.00	791.012.00	822.025.11	822.026.11	822.027.11	822.028.11	990.020.00

Spare parts

541.515.00 0,1mm spacer
541.516.00 0,3mm spacer
541.517.00 0,5mm spacer
541.518.00 1mm spacer
541.500.00 3mm spacer
541.519.00 5,8mm spacer

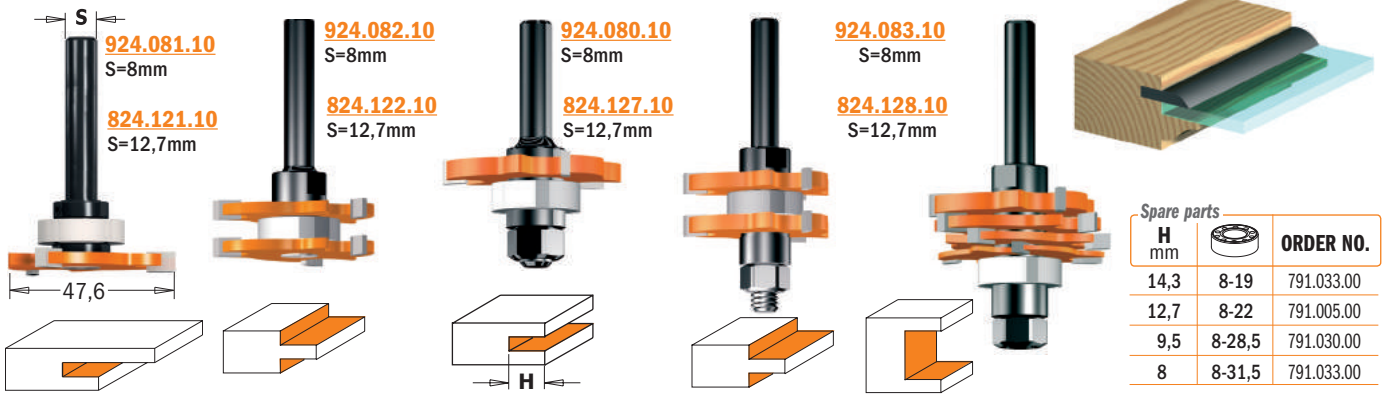
8/923.001

HW Z3 RH

Create slots, grooves and rabbets on all materials using the CMT slot cutter sets. Ideal for biscuit and tongue and groove joints. **These sets include 4 different bearings to allow a cutting depth of 7,95mm, 9,5mm, 12,8mm and 14,3mm.** Please refer to the chart below for applications and the correct cutter combinations.

SAFETY TIPS: never use the slot cutter sets without shims between cutters, whose distance can vary from 1mm to 1,7mm. Shims can also be positioned between the ball bearings and the cutters.

Assembly Illustration



Spare parts

H mm		ORDER NO.
14,3	8-19	791.033.00
12,7	8-22	791.005.00
9,5	8-28,5	791.030.00
8	8-31,5	791.033.00

DESCRIPTION		ORDER NO. S=Ø8mm
Set	1	**923.001.11**

Spare parts

2mm	3mm	4mm	5mm	6mm				
822.320.11	823.330.11	823.340.11	823.350.11	822.360.11	924.081.10	924.082.10	924.080.10	924.083.10

DESCRIPTION		ORDER NO. S=Ø12,7mm
Set	1	**823.001.11**

Spare parts

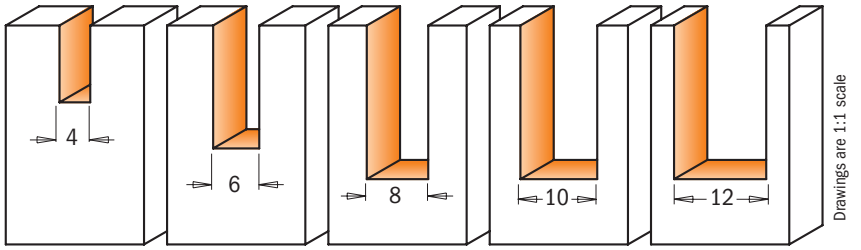
1,6mm	3,2mm	4mm	4,8mm	6,4mm				
822.316.11	823.332.11	823.340.11	822.348.11	822.364.11	824.121.10	824.122.10	824.127.10	824.128.10

5-Piece Straight Bit Set & Profile Bit Set

HWM HW Z2 RH

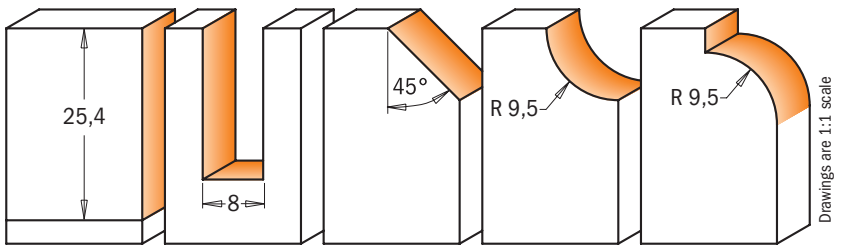
Our beautiful sets are the perfect companion for the professional craftsman. We offer three 5-piece sets with a selection of straight bits and the most popular profile router bits. These tools feature Fatigue Proof® steel, micrograin carbide and orange PTFE non-stick coating. Safely stored in a solid plastic box to fit in your display cabinet.

8/900.005.01



DESCRIPTION		ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
5-Piece Straight Bit Set	5	**800.005.01**	**900.005.01**

7/900.005.03



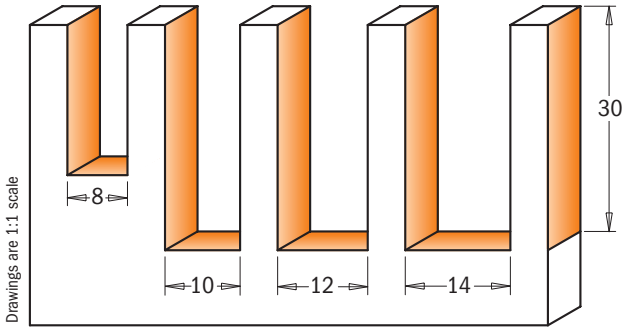
DESCRIPTION		ORDER NO. S=Ø6mm		ORDER NO. S=Ø8mm
5-Piece Profile Bit Set	5	**700.005.03**		**900.005.03**

Router Bit Set with Insert Knives

600.005.01

INSERT CARBIDE | Z1 | Z2 | RH | 2X LONGER LIFE

This set is the perfect companion for the professional craftsman. We offer the 5 most popular bits with knives and all necessary spare knives and Torx keys. They are perfect for working on all materials such as solid wood, wood composites, plastic and laminated materials. For use with a hand held or CNC router.

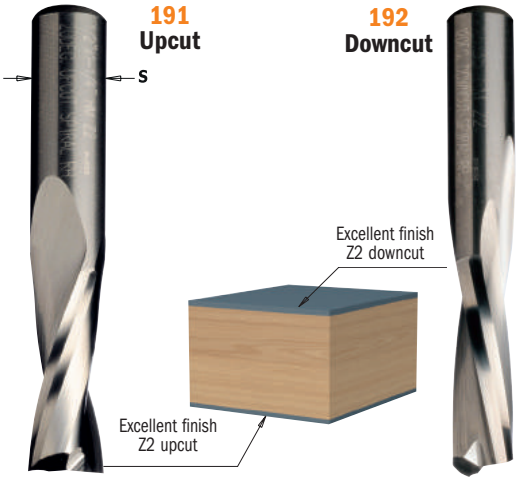


Description		Order No. S=Ø8mm
Router Bit Set with Insert Knives	1	**600.005.01**

10 spare knives and 2 torx keys included

Set Contains	D mm	I mm	Knives		Order No. S=Ø8mm
Straight Router Bit with Knife	8	20	790.200.01 - 20 x 4,1 x 1,1mm		**651.080.11**
Straight Router Bit with Knife	10	30	790.300.01 - 30 x 5,5 x 1,1mm		**651.100.11**
Straight Router Bit with Knife	12	30	790.300.01 - 30 x 5,5 x 1,1mm		**651.120.11**
Straight Router Bit with Knife	14	30	790.300.01 - 30 x 5,5 x 1,1mm		**651.140.11**
Flush Trim Bit with Knife	19	30	790.300.00 - 30 x 12 x 1,5mm	791.007.00	**657.191.11**

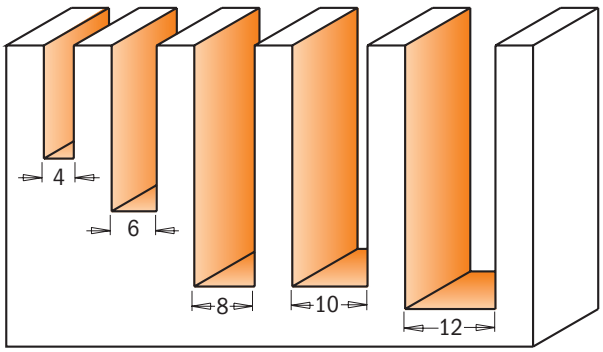
5-Piece Spiral Bit Sets



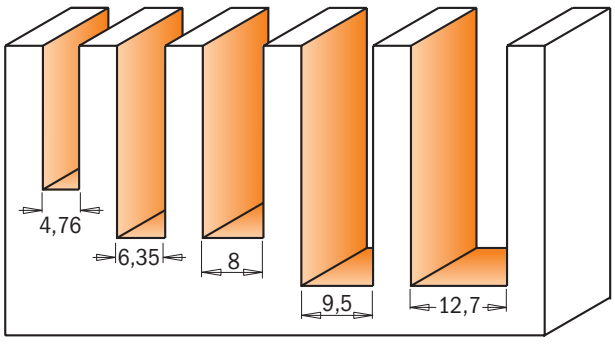
191/192

HWM | Z2 | RH

CMT is proud to offer you these new sets of high quality solid tungsten carbide upcut and downcut spiral bits in the most popular diametres.
The new formulated super micrograin composition guarantees extremely sharp long-lasting cutting edges, whereas the spiral layout allows for a more efficient chip ejection. In addition, these bits stay cooler during work and are suitable for CMT's new precision machines.
Recommended for use on soft and hardwood, plywood, laminates, MDF and plastic materials.
To be used on handheld routers and CNC machines.



Drawings are 1:1 scale



Description			Order No. S=Ø8mm	Order No. S=Ø6,35-12,7mm
5-Piece Upcut Spiral Bit Sets	(Ø4 - 6 - 8 - 10 - 12mm)	5	**191.000.01**	
5-Piece Downcut Spiral Bit Sets	(Ø4 - 6 - 8 - 10 - 12mm)	5	**192.000.01**	
5-Piece Upcut Spiral Bit Sets	(Ø4,76 - 6,35 - 8 - 9,5 - 12,7mm)	5		**191.000.02**
5-Piece Downcut Spiral Bit Sets	(Ø4,76 - 6,35 - 8 - 9,5 - 12,7mm)	5		**192.000.02**

NEW CONTRACTOR ROUTER BIT FROM CMT

Deluxe packaging

CMT CONTRACTOR TOOLS®

For value-driven contractors, remodelers and DIYers. Great quality/price ratio and long-lasting performance.

HEAT-TREATED SHANK & BODY FOR GREATER DURABILITY
The bits are made from the finest steel hardened to reach 58 Rockwell which ensures durability and good cutting performance.

ANTI-KICKBACK DESIGN
Controls depth of cut and minimizes kickback reducing your risk of injury.

SINTERHIP HI-DENSITY CARBIDE
New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.

CORROSION-FREE BLACK COATING
Protects against corrosion and provides a longer bit life.

PRECISION GROUND CUTTING EDGES
Each cutting edge is precisely sharpened to obtain a sharp and durable cutting angle.

new

CMT ORANGE TOOLS®

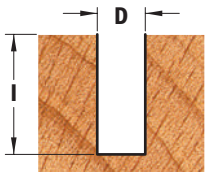
CMT CONTRACTOR TOOLS

K911-K912

HW Z1 Z2 RH

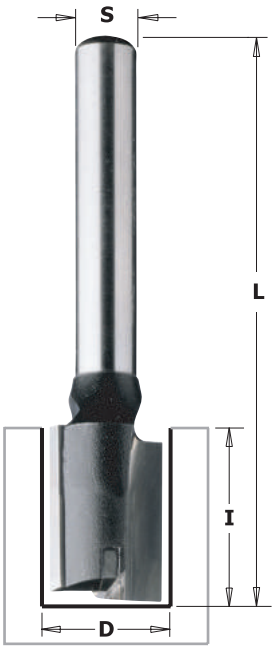
Designed for making slots and routing channels in wood and wood composites. Hi-Density carbide-tipped cutting edges provide smooth performance and a precise cut. Engineered for efficient chip clearance.

D mm	I mm	L mm	Z		ORDER NO. S=Ø8mm
3	8	51	1	10	**K911-030**
4	11	51	1	10	**K911-040**
5	12,7	51	1	10	**K911-050**
6	16	51	1	10	**K911-060**
6	25,4	57	2	10	**K912-060**
8	20	51	2	10	**K911-080**
8	32	62	2	10	**K912-080**
10	20	51	2	10	**K911-100**
10	32	62	2	10	**K912-100**
12	20	51	2	10	**K911-120**
12	32	62	2	10	**K912-120**
14	25,4	56	2	10	**K911-140**
15	25,4	56	2	10	**K911-150**
16	25,4	56	2	10	**K911-160**
18	25	56	2	10	**K911-180**
20	25	56	2	10	**K911-200**
22	25,4	56	2	10	**K911-220**
24	25,4	56	2	10	**K911-240**
25	25,4	57	2	10	**K911-250**



Drawing is 1:1 scale

Straight Bits with Centre Tip



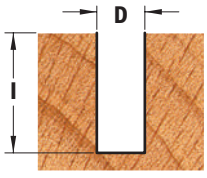
CMT CONTRACTOR TOOLS

K174

HW Z2+1 RH

Thanks to the center tip the cutting edge allows you to execute any kind of plunge drilling and trimming jobs on soft or hardwood, wood composites and plastic or laminated materials.

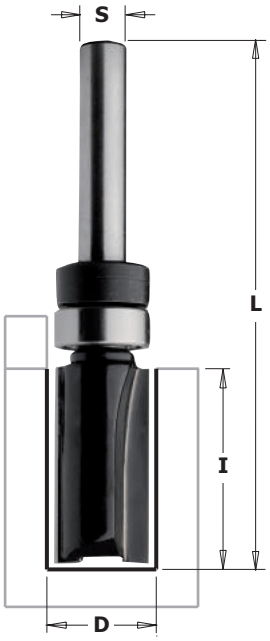
D mm	I mm	L mm	Z		ORDER NO. S=Ø8mm
8	20	51	2+1	10	**K174-080**
8	40	90	2+1	10	**K174-082**
10	20	51	2+1	10	**K174-100**
10	40	90	2+1	10	**K174-101**
12	20	51	2+1	10	**K174-120**
12	40	90	2+1	10	**K174-121**
16	20	51	2+1	10	**K174-160**
16	40	90	2+1	10	**K174-161**
18	20	51	2+1	10	**K174-180**
20	20	51	2+1	10	**K174-200**
22	20	70	2+1	10	**K174-220**



Drawing is 1:1 scale

new

CMT ORANGE TOOLS®



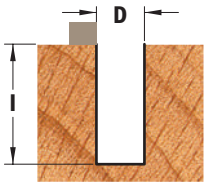
CMT CONTRACTOR TOOLS

K911B

HW Z2 RH

Our pattern bit makes template routing easy and accurate. Create cabinets, furniture, signs, toys or just about any other project you can imagine. Our smooth-running top bearing will glide along your template creating a perfect copy in the wood piece below.

D mm	I mm	L mm	Z		ORDER NO. S=Ø8mm
16	25,4	70	2	10	**K911-160B**
22	25,4	70	2	10	**K911-220B**



Drawing is 1:1 scale

Flush Trim Bits

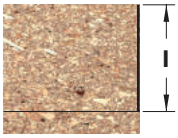
CMT CONTRACTOR TOOLS

K906

HW Z2 RH

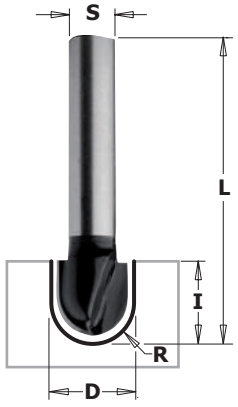
Precise flush trimming of wood or laminate material. Bottom bearing runs effortlessly against finished work piece delivering a smooth to the touch flush trim cut. Two carbide-tipped cutting edge design optimizes performance.

I mm	D mm	L mm		ORDER NO. S=Ø8mm
14	9,5	56	10	**K906-096**
25,4	12,7	67	10	**K906-127**
25,4	19	67	10	**K906-191**



Drawing is 1:1 scale

Round Nose Bits



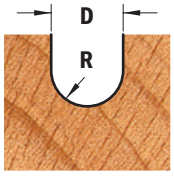
CMT CONTRACTOR TOOLS

K914

HW Z2 RH

Designed for sign and cabinet makers. Use the round nose to make decorative doors, drawer fronts, signs or add a design to any other creative project. Features two carbide-tipped cutting edges which, provide a smooth cut in wood and wood products.

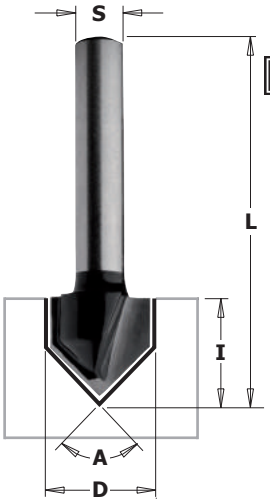
R mm	D mm	I mm	L mm		ORDER NO. S=Ø8mm
3	6	9,5	40	10	**K914-060**
4,75	9,5	9,5	40	10	**K914-095**
6,35	12,7	12,7	40	10	**K914-127**
8	16	12,7	45	10	**K914-160**
9,5	19	12,7	46	10	**K914-190**



Drawing is 1:1 scale

new

CMT ORANGE TOOLS®



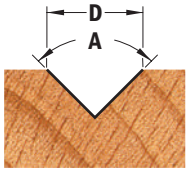
CMT CONTRACTOR TOOLS

K915-K958

HW Z2 RH

Make a clean sharp v-groove in panel and drawer fronts for decorative projects. Good for engraving letters for signs, they feature two sharp carbide-tipped cutting edges for smooth fast cutting. Choose from our 60° or 90° v-grove angle.

D mm	I mm	A	L mm	Z		ORDER NO. S=Ø8mm
12,7	12,7	90°	45	2	10	**K915-127**
16	16	90°	45	2	10	**K915-160**
31,8	20	90°	60	2	10	**K915-317**
11	14	60°	45	2	10	**K958-110**



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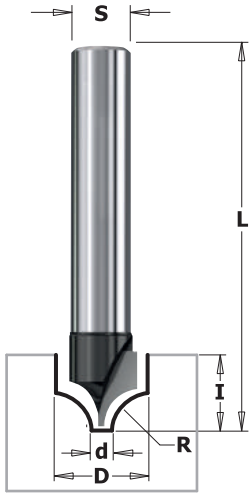
Decorative Ogee Bit



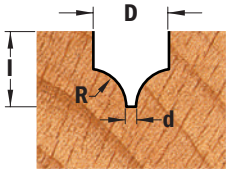
CMT CONTRACTOR TOOLS

K965

HW Z1 RH

This new CMT bit produces a classic single or double-edged bead. Ideal for creating a marked decorative effect on panel, door and drawer work.

D mm	d mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
10	1,3	10	5	50,8	10	**K965-100**



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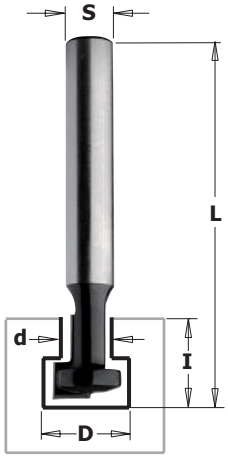
Keyhole Bit



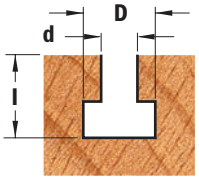
CMT CONTRACTOR TOOLS

K950

HW Z1 RH

Easily create a hardware-free way to hang pictures and plaques on a wall. Cuts a key-holed groove or slot in a variety of materials such as wood, plywood and laminates.

D mm	d mm	I mm	L mm		ORDER NO. S=Ø8mm
9,5	4,76	11,1	48	10	**K950-095**



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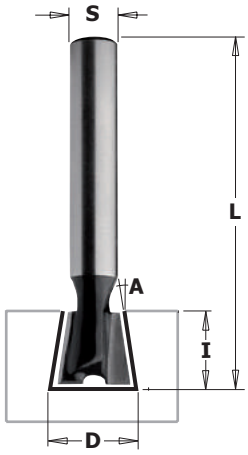
Dovetail Bit

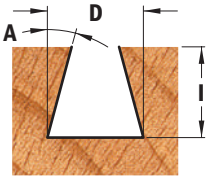


K918

HW Z2 RH

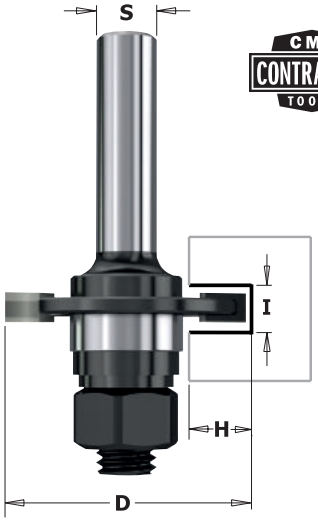
Use our bits with some of the most popular dovetail jigs on the market to create clean dovetail joints in wood and wood composite material. Balanced for good performance.

D mm	I mm	L mm	A		ORDER NO. S=Ø8mm
12,7	12	45	14°	10	**K918-127**



Drawing is 1:1 scale

Slot Cutters



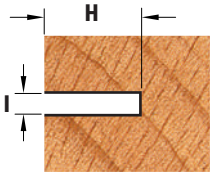
K922

HW Z2 RH

Uses for these 2 wing slot cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints.

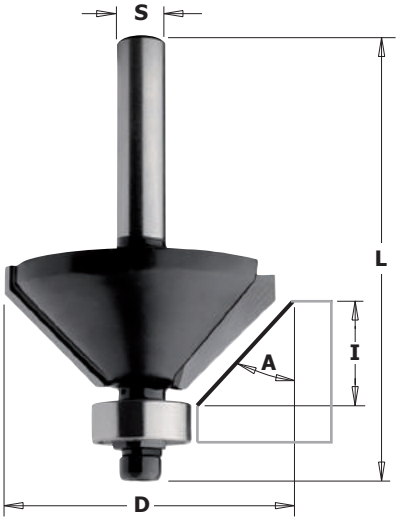
NOTE: For biscuit joints, use I=4mm slot cutter.

I mm	D mm	H mm		ORDER NO. S=Ø8mm
3	40	12,5	10	**K922-330A**
4	40	12,5	10	**K922-340A**
5	40	12,5	10	**K922-350A**
6	40	12,5	10	**K922-360A**



Drawing is 1:1 scale

Chamfer Bit

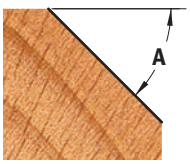


K936

HW Z2 RH

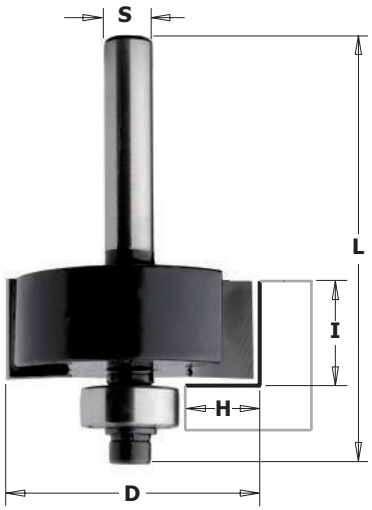
Produce clean, accurate bevel or chamfer edges for edge jointing, decorative edges or perfectly aligned boxes. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

D mm	I mm	A	L mm		ORDER NO. S=Ø8mm
35	15	45°	56	10	**K936-350**



Drawing is 1:1 scale

Rabbeting Bit



new

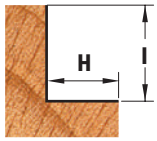
CMT CONTRACTOR TOOLS

K935

HW Z2 RH

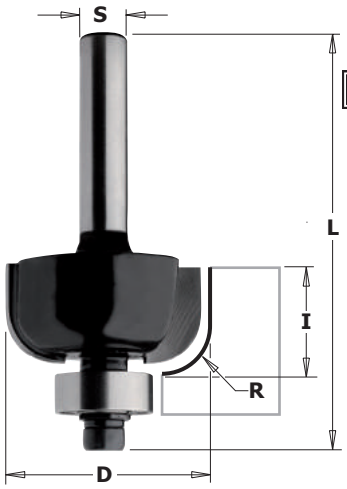
Ideal for creating inset doors and drawer fronts or to re-groove old window frames to accept a panel of glass. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

D mm	I mm	H mm	L mm		ORDER NO. S=Ø8mm
31,8	12,7	9,5	54	10	**K935-317**



Drawing is 1:1 scale

Cove Bits



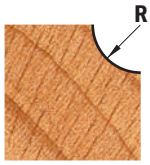
CMT CONTRACTOR TOOLS

K937

HW Z2 RH

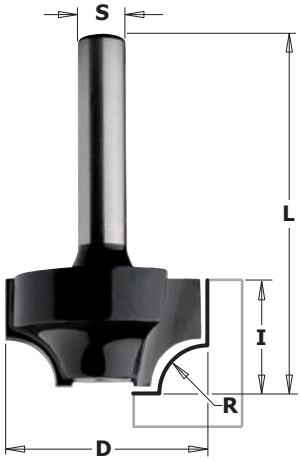
Give your doors and drawer fronts an elegant touch. Pair a cove bit with a roundover bit to create decorative elements on your furniture projects. Features two carbide-tipped cutting edges, anti-kickback design, heat treated shank and body for durability. Bottom bearing included.

D mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
31,8	14	9,5	56	10	**K937-317**
38,1	16	12,7	62	10	**K937-380**



Drawing is 1:1 scale

Ovolo Bit



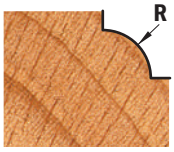
CMT CONTRACTOR TOOLS

K927

HW Z2 RH

Ideal for furniture makers, you get a roundover with top and bottom bead all in one.
Bit equipped with two carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for increased durability.

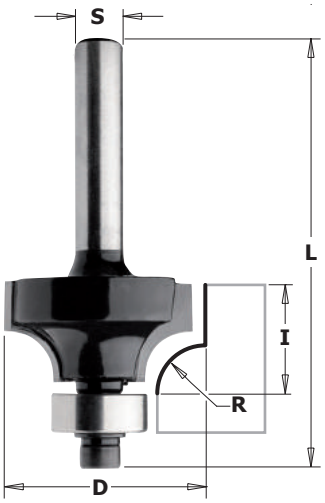
D mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
25,4	14,3	6,3	46	10	**K927-064**



Drawing is 1:1 scale

new

CMT ORANGE TOOLS®



CMT CONTRACTOR TOOLS

K938

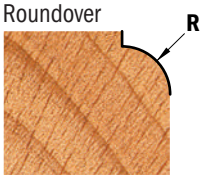
HW Z2 RH

A popular profile for taking the edge off a sharp corners. When partnered with a cove bit, you can create a drop-leaf table or other intricate projects. Bits equipped with two carbide-tipped cutting edges, anti-kickback design, and heat treated shank/body for increased durability. Bottom bearing included.

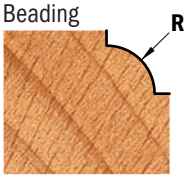
D mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
16,7	7,9	2	51	10	**K938-167**
18,7	10,5	3	53	10	**K938-187**
22,2	12,7	4,8	54	10	**K938-222**
25,4	13,5	6,3	55	10	**K938-254**
28,7	15,5	8	53	10	**K938-287**
31,8	16,5	9,5	58	10	**K938-317**
38,1	19	12,7	61	10	**K938-380**
44,7	22,2	16	67	10	**K938-445**

EACH BIT INCLUDES A 3/8" BEARING FOR BEADING PROFILES

Roundover

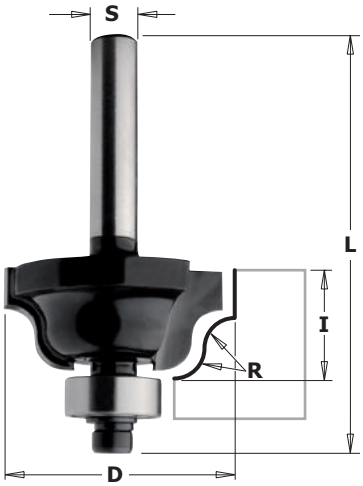


Beading



Drawing is 1:1 scale

Roman Ogee Bit



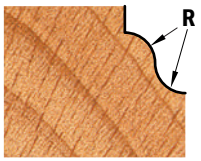
CMT CONTRACTOR TOOLS

K940

HW Z2 RH

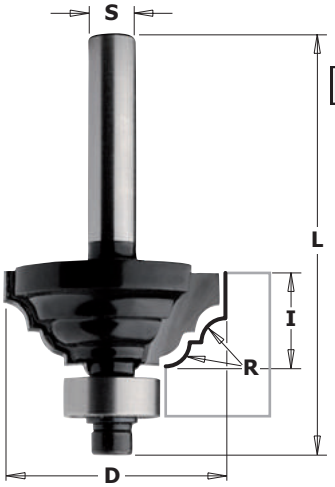
A very popular bit for making a wavy profile which, gives a touch of class to your furniture. These bits feature an anti-kickback design, rust-resistant black coating and include a smooth running bearing for template work.

D mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
28,6	12,7	4	54	10	**K940-286**



Drawing is 1:1 scale

Classical Ogee Bits



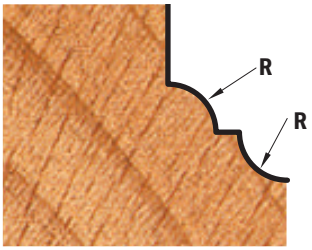
CMT CONTRACTOR TOOLS

K941

HW Z2 RH

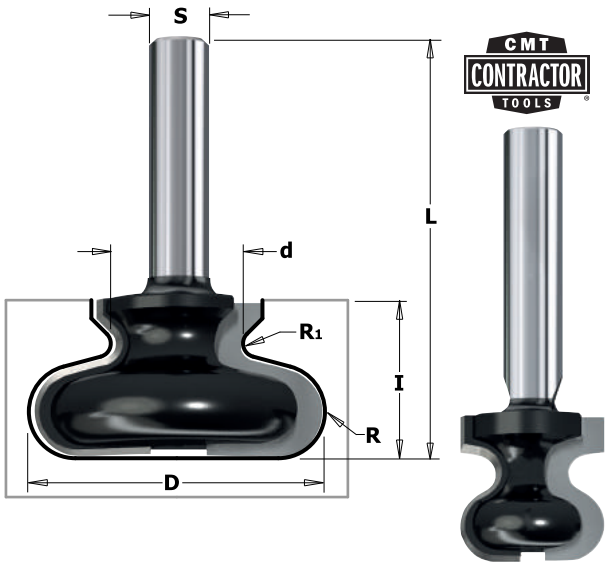
This bit produces both a concave and a convex profile on your work piece for smooth eye-catching detail! They feature 2 sharp cutting edges, rust-resistant black coating and are equipped with a bottom bearing for easy template work on both natural wood and wood-based materials.

D mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
42,9	18	6,3	60	10	**K941-430**



Drawing is 1:1 scale

Finger Pull Bit

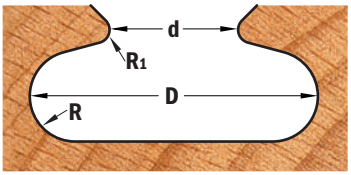


K955

HW Z2 RH

Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Use these finger pull bits and make a harmonious wooden handle. Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.

D mm	d mm	I mm	R mm	R1 mm	L mm		ORDER NO. S=Ø8mm
19,05	9,5	19,05	4,8	2,4	57,2	10	**K955-190**
38,1	17	20,7	6	1,8	55,4	10	**K955-380**



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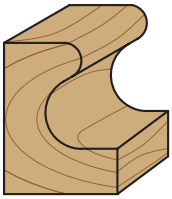
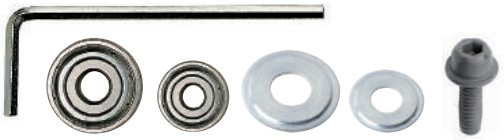


Replacement Bearing Set



79101

Pack Qty. 10

Set includes	Pieces
3/8" Bearing	1
1/2" Bearing	1
3/8" Dust Shields	1
1/2" Dust Shields	1
Screw	1
Hex Key	1

What work parameters are best when routing?

Answering the following questions will provide you with the answer!

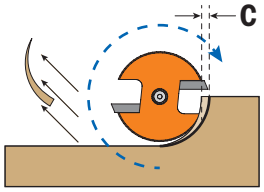
- **What equipment are you using?** Using brand new equipment of high quality is not the same as using outdated machinery! It is important to understand that vibration is the direct result of wear and tear, which can lead to a poor quality finish. Feed rate should be chosen in order to dampen vibration, and quite often, higher feed rates are associated with better finishing results.
- **What factors influence the performance of the bit I am using?** Many factors affect performance and the ultimate finish of the workpiece: the power of the collet chuck, the rigidity and eccentricity of the couplings, conditions and quality of the collets, reverse locking system, sharpened tool edge, the dust-collection system in use and even the relative humidity of the workplace environment.
- **What bit should I use?** The number of cutting edges as well as the cutting diameter significantly affect work parameters. In general, the more cutting edges and the wider the blade diameter, the higher the feed rate.
- **What is the cutting depth I hope to carry out?** In order to increase cutting depth, it is necessary to reduce the feed rate and vice versa for shallower cuts.
- **At what speed does my machine run?** By increasing the spindle speed (rpm), the quality of the finished edge improves. However, at the same time friction also increases between the tool and the workpiece. As a result, tool longevity is compromised. Ideally, the objective is to select the slowest rotation speed possible compatible with the quality of finishing you hope to achieve.
- **What edge finish am I looking to achieve?** Coarse routing and fine routing are definitely not the same thing! You need to figure out what is more important: quality or quantity. In order to prolong the life of your cutting tool, its best to choose the highest feed rate possible best suited to achieve the finish you want.
- **Above all....what materials am I working with?** Wood is a good example of natural fiber composite. It is made up of a natural fibrous material, both elastic and flexible (cellulose: long molecular polymer chains), bound together by a very rigid substance (lignin: cross-linked polymer) as well as a compatibilizer (hemicellulose: a polysaccharide). It is an anisotropic material, that is, directionally dependent, changing with direction along the object. How many types of wood and wood derivatives are you familiar with? Remember, no two pieces of wood are the same! In fact, the same work parameters carried out on two different pieces of wood will provide two very different results.

Feed rate is dependent of several factors, like the ones mentioned above - and these are just a few examples. It is important to weigh all factors in order to select an optimum feed rate suitable for the tools and work objectives involved. CMT is synonymous with quality and to produce high quality cuts you just can't randomly shoot off a bunch of numbers. Be wary of those who provide you with random numbers.

I get it....but where do I start? *The best way to go forward is step-by-step using reliable test data.* To quickly achieve the results best suited for your specific work expectations, you can always turn to theory!
One rule of thumb, which may prove advantageous, is to use a simple gauge to measure chipload wherever possible. On the one hand, it should be noted that when chips that are too thick, breakage will occur, resulting in a poor, rough finish. On the other hand, when chips are too thin, it will negatively affect tool longevity and cause rapid wear and tear of the cutting edge because the teeth of the tool are rubbing more than removing material.
The next time you experiment, you need to properly assess the specific demands of the work involved, assess chipload measurements and try to orient yourself towards a different thickness by taking into account the aforementioned factors. Then, with the aid of the formulas listed below, proceed to establish the appropriate feed rate for your next test. This will help you to achieve better results faster and you will have the essential information you will need for the next work project.

PARAMETERS:
V = feed rate (m/min)
Z = cutting edges
C = Chipload (mm)

FORMULAS:
V = (RPM x Z x C)/1000
RPM = V x 1000 /(Z x C)



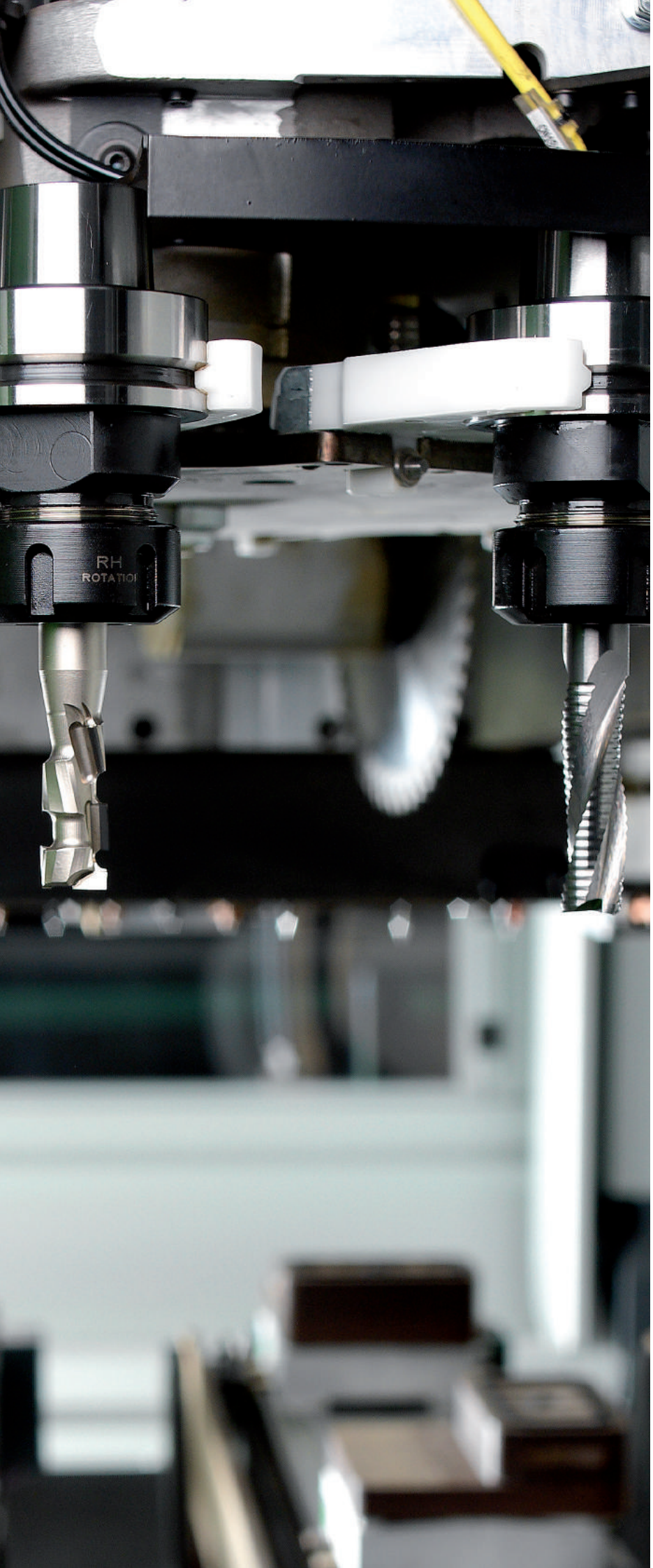
EXAMPLE:
with caliper take measurement of a good result chipload (C=0,2mm).

Z=2
RPM=18000

V = (RPM x Z x C)/1000 = (18000x2x0,2)/1000 = 7,2m/min

PROBLEM SOLVING

PROBLEM	SOLUTIONS	
	DECREASE	INCREASE
Bad finishing	• Cutting depth • Vibrations	• Rotation speed • Dust extraction • Number of cutting edges • Clamping cutter/chuck
Cutting edge wear	• Rotation speed • Vibrations	• Feed speed
Cutting edge burns	• Rotation speed • Number of cutting-edges	• Feed speed
Cutting edge debris	• Cutting depth	• Rotation speed • Feed speed • Dust extraction
Vibrations	• Rotation speed • Cutting depth	• Machine firmness • Workpiece firmness
Cutter breakage	• Feed speed • Cutting depth • Vibrations	• Shank diameter • Collet clamping • Change tool material (solid carbide or Densimet®)



CNC Router Cutters & Chucks

PRODUCTS	PAGE
Kinetic Dust Extractor	248
CNC Chucks	249~252
Precision Collets	252-253
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HSK Chucks for Grooving Blade	254-255
Cutter Arbor	256
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DLCS Coating Solid Carbide Spiral Bits	257
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Solid Surface and Fiberglass Bits	269
CNC DP Straight Cutters	270~274
CNC Carbide Cutters	275~278
CNC Profiled Cutters	279~283
Slot & Mortise Bits	284~290

KINETIC DUST EXTRACTOR

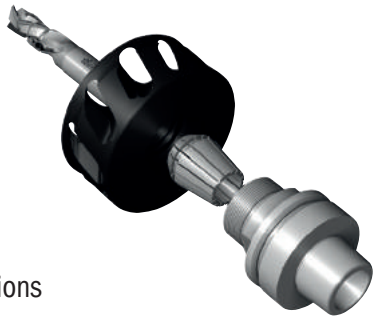
992 Removes MDF & Chipboard dust from the workpiece

RH

	Description	D mm		Order No.
new	Kinetic Dust Extractor for chucks with ER20	80	1	**992.081.ER20**
new	Kinetic Dust Extractor for chucks with ER25	80	1	**992.081.ER25**
	Kinetic Dust Extractor for chucks with DIN6388/EOC25 collets	100	1	**992.101.EOC25**
	Kinetic Dust Extractor for chucks with ER32 collets	100	1	**992.101.ER32**
	Kinetic Dust Extractor for chucks with ER40 collets	100	1	**992.101.ER40**

Spare parts
991.285.00 C-Spanner 80-90mm (ER20/ER25)
991.284.00 C-Spanner 95-100mm (EOC25/ER32/ER40)

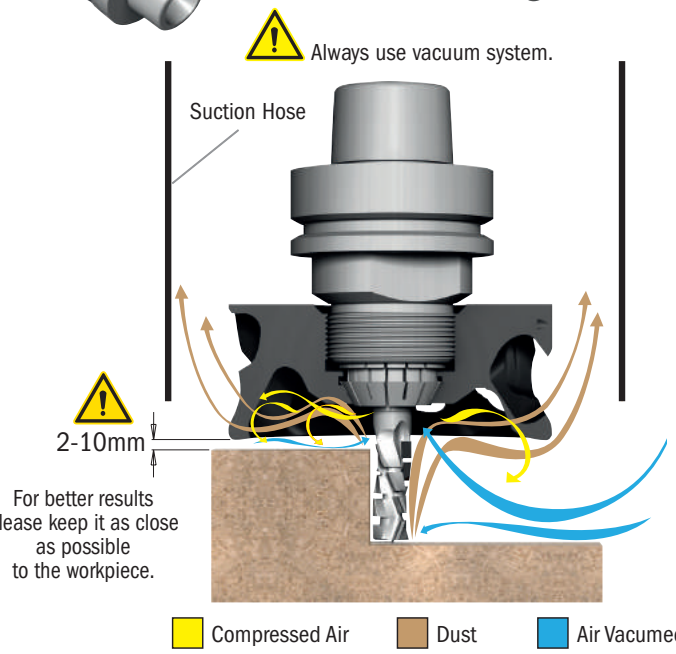
Optional
(required for installation, not included)



EASY TO USE!

Install & remove as a clamping nut

- Health & Safety
- Tool Performance & Cut Quality
- Tool Life & Labor Costs
- Recommended for Nesting and Routing operations
- No wasted time during work process
- Replaces the standard clamping nut
- Suitable for any collet chucks with standard router bits
- Available for ER32 - ER40 - EOC25 (DIN6388) collets
- The thick ceramic coat gives to KDE an anti-corrosion, anti-friction and anti-static surface.
- Tool body in light alloy
- Better air quality
- Good performances even at low rpm: from 6,000 up to 20,000 rpm
- Material: chipboard, coated chipboard, MDF, Corian®, plasterboard, OSB, HPL.



Download Instruction

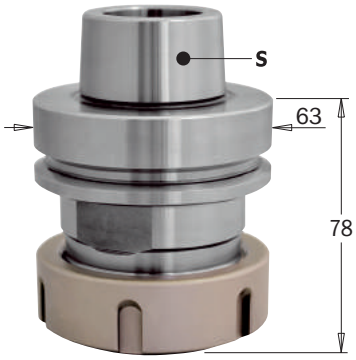
Watch the video on YouTube

Watch Video

Working WITHOUT Kinetic Dust Extractor

Working WITH Kinetic Dust Extractor

HSK Chucks for “ER40” Precision Collets



183.310 XTREME

RH LH

S	Description	To be used with collet		ORDER NO. Left-hand rotation	ORDER NO. Left-hand rotation
HSK-63F	Clamping nut without bearing	ER40	1	**183.310.01**	**183.310.02**
HSK-63F	Clamping nut with bearing	ER40	1	**183.310.11***	

Spare parts 990.117.00 M6x6mm screw

* Suitable for right-hand and left-hand rotation.

ORANGE CHROME® S

Non-Stick Orange Chrome® Shield Coating
- prevents overheating
- protects against corrosion and rust
- reduces resin build-up
- longer life and greater tool performance

For Homag, Eima, IMA from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

S	Description	To be used with collet		ORDER NO. Right-hand rotation	
new HSK-63F	Clamping nut without bearing	ER40	1	**183.310.91**	

Spare parts 990.117.00 M6x6mm screw

Without Orange Chrome® Shield Coating

ISO30 Chucks for “ER40” Precision Collets

995.200

183.201

RH

S	To be used with collet	Retaining stud mm		ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12-8	1	**183.201.01**	

For Biesse machines

995.201

183.211

RH

S	To be used with collet	Retaining stud mm		ORDER NO. Right-hand rotation	
ISO30	ER40	Ø13-9	1	**183.211.01**	

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.

995.202

183.221

RH

S	To be used with collet	Retaining stud mm		ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12,8-9	1	**183.221.01**	

For Alberti and Masterwood machines.

Clamping Nuts for Chucks with “ER40” Precision Collets

992.383

RH LH

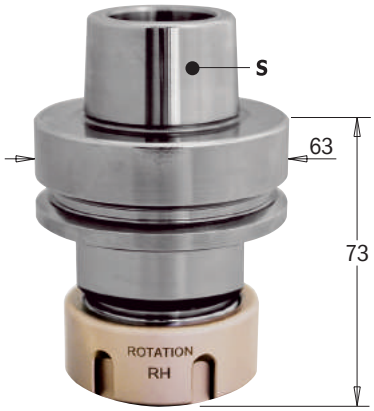
Description		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing			
For 183.201/211/221/310 chucks	1	**992.383.01**	**992.383.02**
Clamping nut with bearing			
For 183.201/211/221/310 chucks	1	**992.383.11**	

C-spanner for “ER40” Precision Collets

991.184

Description		ORDER NO.
C-Spanner for “ER40” precision collet	1	**991.184.00**

HSK Chuck for “ER32” Precision Collets



183.300 XTREME

RH LH

S	Description	To be used with collet		Order no. Right-hand rotation	Order no. Left-hand rotation
HSK-63F	Clamping nut without bearing	ER32	1	**183.300.01**	**183.300.02**
HSK-63F	Clamping nut with bearing	ER32	1	**183.300.11***	

Spare parts 990.118.00 M6x10mm screw

* Suitable for right-hand and left-hand rotation.

Non-Stick Orange Chrome® Shield Coating
- prevents overheating
- protects against corrosion and rust
- reduces resin build-up
- longer life and greater tool performance

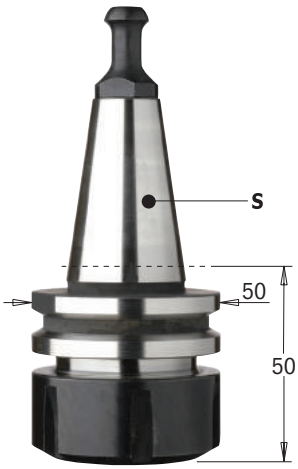
For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

S	Description	To be used with collet		Order no. Right-hand rotation
new HSK-63F	Clamping nut without bearing	ER32	1	**183.300.91**

Spare parts 990.118.00 M6x10mm screw

Without Orange Chrome® Shield Coating

ISO30 Chucks for “ER32” Precision Collets



995.200

183.200

RH LH

S	To be used with collet	Retaining stud mm		Order no. Right-hand rotation	Order no. Left-hand rotation
ISO30	ER32	Ø12-8	1	**183.200.01**	**183.200.02**

For Biesse machines.

995.201

183.210

RH LH

S	To be used with collet	Retaining stud mm		Order no. Right-hand rotation	Order no. Left-hand rotation
ISO30	ER32	Ø13-9	1	**183.210.01**	**183.210.02**

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.

995.202

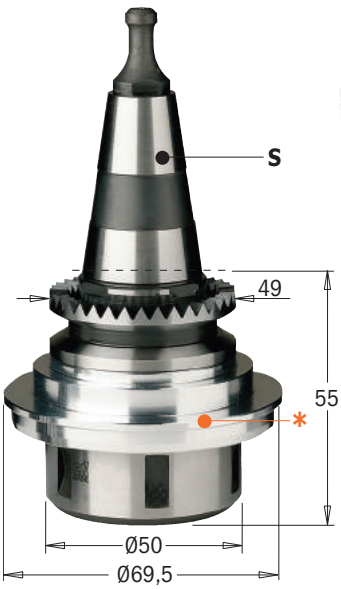
183.220

RH LH

S	To be used with collet	Retaining stud mm		Order no. Right-hand rotation	Order no. Left-hand rotation
ISO30	ER32	Ø12,8-9	1	**183.220.01**	**183.220.02**

For Alberti and Masterwood machines.

ISO30 Chucks for “ER32” Precision Collets



995.250

183.250 without aluminium flange

RH LH

S	To be used with collet	Retaining stud mm		Order no. Right-hand rotation	Order no. Left-hand rotation
ISO30	ER32	Ø8,5	1	**183.250.01**	**183.250.02**

For Morbidelli and SCM machines.

183.251 with Ø69,5mm aluminium flange fully assembled (*)

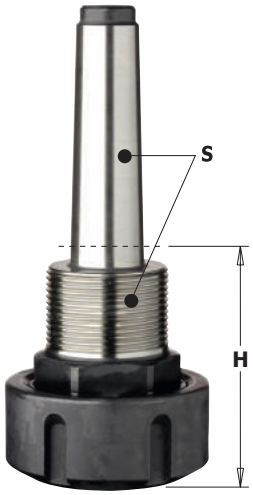
RH LH

S	To be used with collet	Retaining stud mm		Order no. Right-hand rotation	Order no. Left-hand rotation
ISO30	ER32	Ø8,5	1	**183.251.01**	**183.251.02**

Spare parts 992.501.00 Ø69,5mm aluminium flange*

For Morbidelli and SCM machines.

Chucks for “ER32” Precision Collets



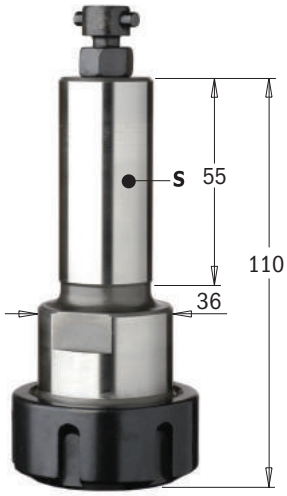
183.000/100

RH LH

S mm	To be used with collet	H mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/M30x1,5	ER32	62	1	**183.000.01**	**183.000.02**
MK3/M30x1,5	ER32	70	1	**183.100.01**	

MK2/MK3 tapered shank

Chucks for “ER32” Precision Collets



995.400

183.400

RH

S mm	To be used with collet	Retaining stud		ORDER NO. Right-hand rotation	
Ø25x55	ER32	PS LEUCO	1	**183.400.01**	

For machines with PS Leuco system.

Clamping Nuts for Chucks with “ER32” Collets

992.183

RH LH

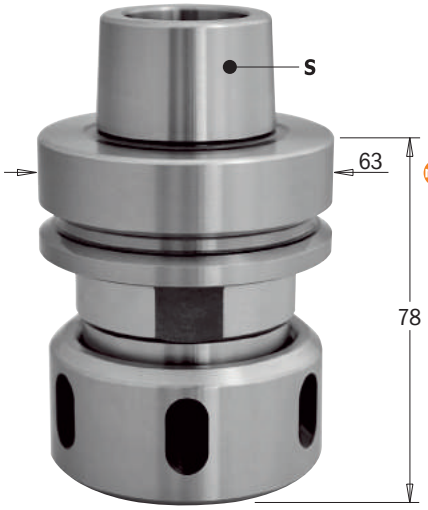
Description		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing			
For 183.000/100/200/250/300/400 chucks	1	**992.183.01**	**992.183.02**
Clamping nut with bearing			
For 183.000/100/200/250/300/400 chucks	1	**992.183.11**	**992.183.12**

C-Spanner for “ER32” Precision Collets

991.183

Description		ORDER NO.
C-Spanner for “ER32” precision collets	1	**991.183.00**

HSK Chuck for “DIN6388” - EOC25 Precision Collet



183.320

RH

S	Description	To be used with collet		ORDER NO. Right-hand rotation
HSK-63F	HSK chuck with bearing nut	EOC-25	1	**183.320.01***
new HSK-63F	HSK chuck without bearing nut	EOC-25	1	**183.320.03**

Spare parts
992.283.11 Clamping nut with bearing
992.283.01 Clamping nut without bearing

* Suitable for left-hand rotation too.

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

Clamping Nuts

992.283

RH

Description		ORDER NO. Right-hand rotation
Clamping nut without bearing	1	**992.283.01**
Clamping nut with bearing	1	**992.283.11**

For chuck 183.320.

C-Spanner for “DIN6388” & “ER40”

991.283

Description		ORDER NO.
C-Spanner for 58-62-65	1	**991.283.00**

Precision Collets “DIN6388”

185 - EOC-25

B mm	B inches		ORDER NO.	B mm	B inches		ORDER NO.
3		10	**185.030.00**	12		10	**185.120.00**
4		10	**185.040.00**	12,7	1/2	10	**185.127.00**
5		10	**185.050.00**	14		10	**185.140.00**
6		10	**185.060.00**	16	5/8	10	**185.160.00**
6,35	1/4	10	**185.064.00**	18		10	**185.180.00**
8	5/16	10	**185.080.00**	19,05	3/4	10	**185.191.00**
9,5	3/8	10	**185.095.00**	20		10	**185.200.00**
10		10	**185.100.00**	25		10	**185.250.00**

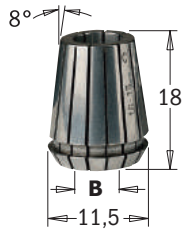
Remark: *special dimensions available on request.*

185 - EOC-16

B mm	B inches		ORDER NO.	B mm	B inches		ORDER NO.
6		10	**185.060.16**	12		10	**185.120.16**
8	5/16	10	**185.080.16**	14		10	**185.140.16**
10		10	**185.100.16**	16	5/8	10	**185.160.16**

Remark: *special dimensions available on request.*

184 - ER11

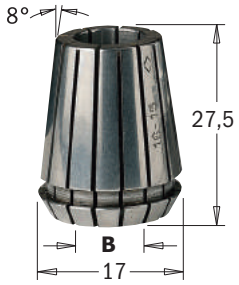


B mm		ORDER NO.
2	10	184.020.11
3	10	184.030.11
4	10	184.040.11
5	10	184.050.11
6	10	184.060.11

TECHNICAL DETAILS:
- replaceable Std “**ER11**” collets (from 1 to 7mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

184 - ER16

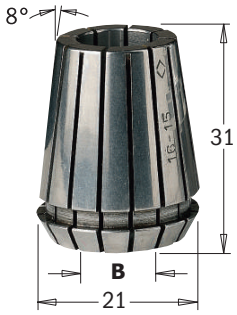


B mm		ORDER NO.
2	10	184.020.16
3	10	184.030.16
4	10	184.040.16
5	10	184.050.16
6	10	184.060.16
7	10	184.070.16
8	10	184.080.16
9	10	184.090.16
10	10	184.100.16

TECHNICAL DETAILS:
- replaceable Std “**ER16**” collets (from 1 to 10mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

184 - ER20



B mm		ORDER NO.
2	10	184.020.20
3	10	184.030.20
4	10	184.040.20
5	10	184.050.20
6	10	184.060.20
6,35	10	184.064.20
7	10	184.070.20
8	10	184.080.20
9	10	184.090.20
10	10	184.100.20
11	10	184.110.20
12	10	184.120.20
12,7	10	184.127.20

TECHNICAL DETAILS:
- replaceable Std “**ER20**” collets (from 1 to 13mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

184 - ER25

B mm		ORDER NO.
3	10	184.030.25
4	10	184.040.25
5	10	184.050.25
6	10	184.060.25
6,35	10	184.064.25
8	10	184.080.25
9	10	184.090.25
10	10	184.100.25
12	10	184.120.25
12,7	10	184.127.25
14	10	184.140.25
16	10	184.160.25

TECHNICAL DETAILS:
- replaceable Std “**ER25**” collets (from 1 to 16mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

184 - ER32

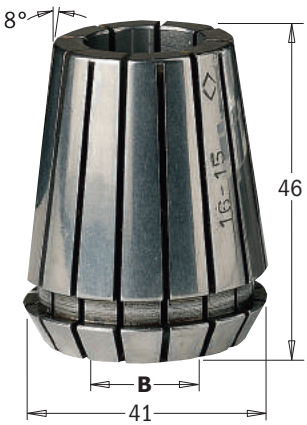
B mm		ORDER NO.
3	10	184.030.00
4	10	184.040.00
5	10	184.050.00
6	10	184.060.00
6,35	10	184.065.00
7	10	184.070.00
8	10	184.080.00
9	10	184.090.00
9,52	10	184.095.00
10	10	184.100.00
11	10	184.110.00
12	10	184.120.00
12,7	10	184.127.00
14	10	184.140.00
15	10	184.150.00
16	10	184.160.00
17	10	184.170.00
18	10	184.180.00
19	10	184.190.00
20	10	184.200.00

For chucks
183.000/100/200/250/300/400

TECHNICAL DETAILS:
- replaceable Std ”**ER32**” collets (from 3 to 20mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

184 - ER40



B mm		ORDER NO.
3	10	184.032.00
4	10	184.042.00
5	10	184.052.00
6	10	184.062.00
6,35	10	184.064.00
7	10	184.072.00
8	10	184.082.00
9,52	10	184.096.00
10	10	184.102.00
12	10	184.122.00
12,7	10	184.128.00
14	10	184.142.00
16	10	184.162.00
18	10	184.182.00
19	10	184.192.00
20	10	184.202.00
25	10	184.252.00

For chucks
183.201/211/221/310

TECHNICAL DETAILS:
- replaceable Std ”**ER40**” collets (from 3 to 25mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: *special dimensions available on request.*

Cap Nuts for CNC Machines

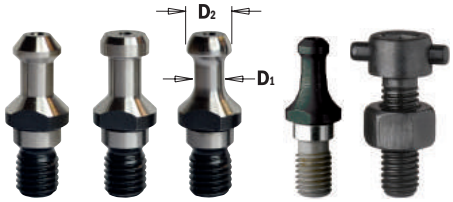
993.0

RH LH

INTERNAL THREAD				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Ø20x14Fx1"			1	**993.020.01**	**993.020.02**
M30x1,5			1		**993.030.02**

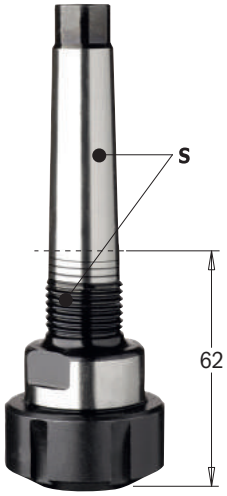
For machines with M33x3 threaded spindle nose.

ISO30 Retaining Studs



DESCRIPTION	D1 mm	D2 mm	ORDER NO.
Retaining stud for 183.200/201 "Biesse" chucks	8	12	**995.200.00**
Retaining stud for 183.210/211 "Biesse, Omlat, Bulleri, Busellato, Weeke and IMA" chucks	9	13	**995.201.00**
Retaining stud for 183.220/221 "Alberti-Masterwood" chucks	9	12,8	**995.202.00**
Retaining stud for 183.250/251 "SCM - Morbidelli" chucks	6,5	8,5	**995.250.00**
Retaining stud for "PS and Leuco" 183.400 chucks	M8		**995.400.00**

Collet Chucks Clamp with MK2 Tapered Shank



123

RH LH

S			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/Ø20x14Fx1"		1	**123.000.01**	**123.000.02**

Spare parts

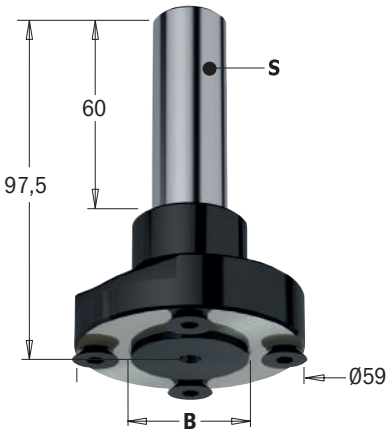
992.123.01 Clamping nut RH
992.123.02 Clamping nut LH
991.123.00 Type 45-50 c-spanner

Collets for 123 Chucks

124

D3 mm		ORDER NO.	D3 mm		ORDER NO.
6	1	**124.060.00**	10	1	**124.100.00**
6,35	1	**124.064.00**	12	1	**124.120.00**
8	1	**124.080.00**	12,7	1	**124.127.00**
9,5	1	**124.095.00**	14	1	**124.140.00**

Saw Blade Arbor with Parallel Shank



183.410

LH RH

S mm	D mm	B mm	PIN HOLE	L mm		ORDER NO.
20	59	30	4/M6/48	97,5	1	**183.410.30**

Spare parts

990.116.00 M6x8,7x12mm TSPEI screw (to use with Plate Thickness ≥ 2,2mm)
991.067.00 3mm allen key
991.064.00 4mm allen key

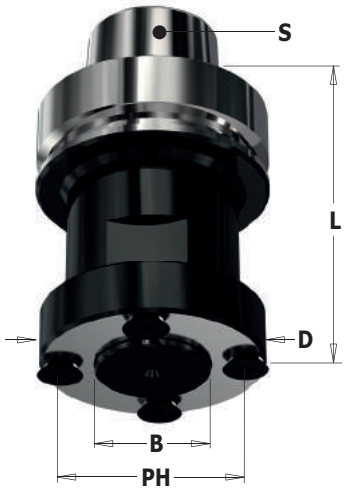
Max saw blade Ø250mm

Optional

990.083.00 M6x8x10mm TSPEI screw (to use with Plate Thickness < 2,2mm)

HSK Chuck for Grooving Blade

new



183.420

LH RH

S	D mm	B mm	Pin Hole	L mm		ORDER NO.
HSK-63F	59	30	4/M6/48	78	1	**183.420.30**

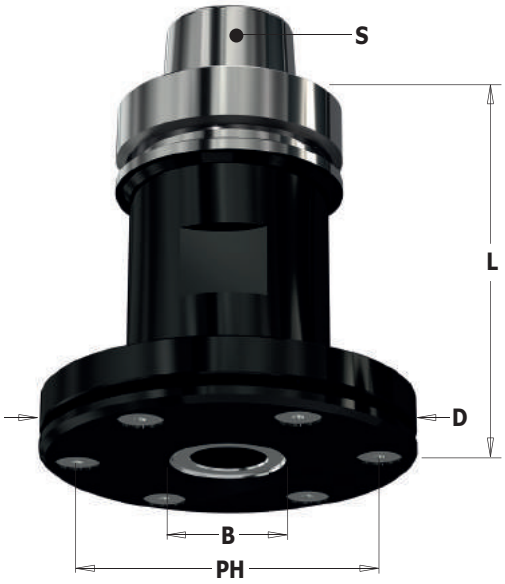
Spare parts **990.116.00** M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø 250mm for chuck 183.420.30

Grooving saw blades available at page 38 or on request.

HSK Chuck for Grooving Blade

new



183.421

LH RH

S	D mm	B mm	Pin Hole	L mm		ORDER NO.
HSK-63F	98	30	6/M6/80	102	1	**183.421.30**

with flange Ø98mm

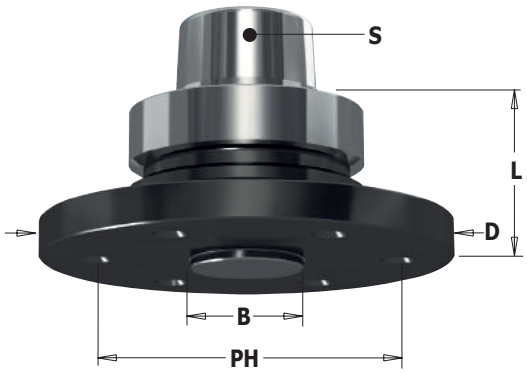
Spare parts **990.116.00** M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø 300mm for chuck 183.421.30

Grooving saw blades available on request.

HSK Chuck for Grooving Blade

new



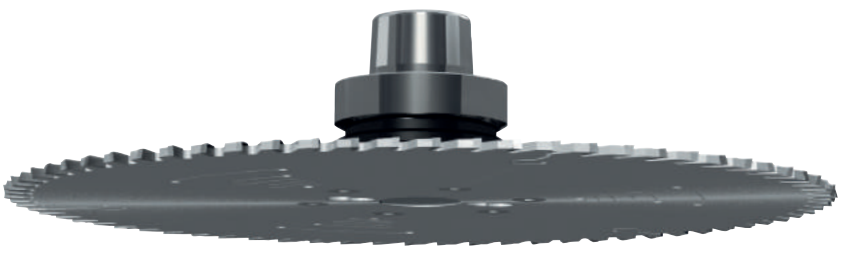
183.422

LH RH

S	D mm	B mm	Pin Hole	L mm		ORDER NO.
HSK-63F	110	30	6/M6/80	40	1	**183.422.30**

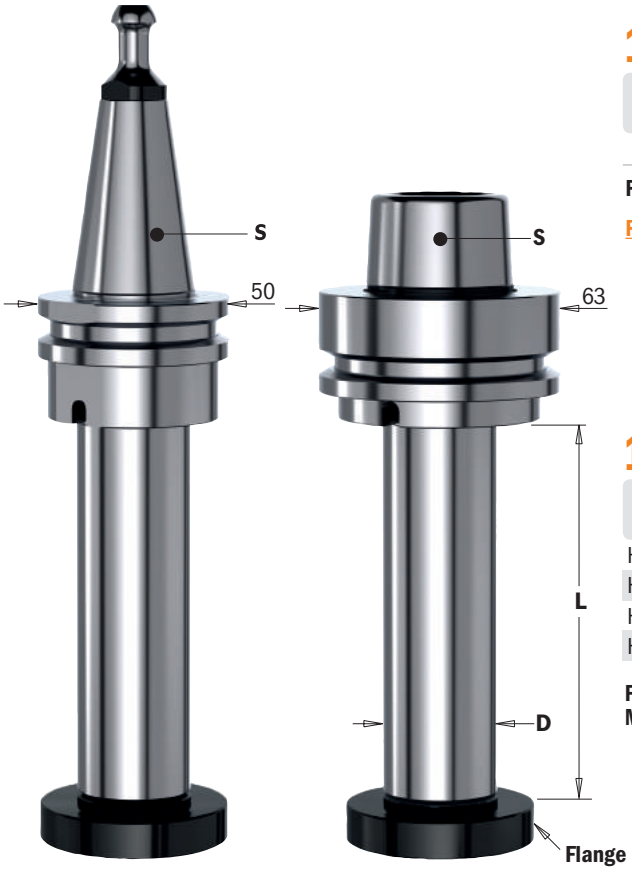
Spare parts **990.116.00** M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø 350mm for chuck 183.422.30



Grooving saw blades available on request.

Cutter Arbor with HSK Tapered Shank



183.260

LH RH

S	Description	D x L mm		Order No.
IS030	Cutter arbor with IS030 tapered shank	30x100	1	**183.260.00**

For Biesse machines.

Remark: *special dimensions available on request.*

183.360

LH RH

S	Description	D x L mm		Order No.
HSK-63F	Cutter arbor with HSK tapered shank	30x100	1	**183.360.00**
HSK-63F	Cutter arbor with HSK tapered shank	30x150	1	**183.360.10**
HSK-63F	Cutter arbor with HSK tapered shank	35x100	1	**183.361.00**
HSK-63F	Cutter arbor with HSK tapered shank	40x100	1	**183.362.00**

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machine.

Spare Parts for Chucks

Description	Order No.	Description	Order No.
M6x25 TCEI screw	**990.098.00**	***Optional***	
Steel flange for with Ø30mm arbors - Male	**992.560.30M**	Steel flange for with Ø30mm arbors - Female	**992.560.30F**
Steel flange for with Ø35mm arbors - Male	**992.560.35M**	Steel flange for with Ø35mm arbors - Female	**992.560.35F**
Steel flange for with Ø40mm arbors - Male	**992.560.40M**	Steel flange for with Ø40mm arbors - Female	**992.560.40F**

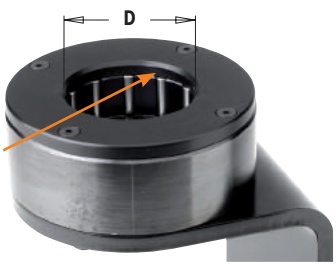
Universal Assembly Supports for Chucks

183

Description	D mm		Order No.
Universal assembly supports for chucks HSK-63F	63	1	**183-HSK**
Universal assembly supports for chucks IS030	50	1	**183-ISO**

For HSK-63F, BT40, IS040 DIN 2080, SK40 DIN 69871, CAPTO C6 and IS030, DIN 2080, SK30 DIN 69871, HSK50, CAPTO C5 chucks

CMT now offers new universal assembly supports for HSK-63F and IS030 chucks. Thanks to the bi-directional roller bearings, which clamp the Left-hand rotation to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.



EXTRA HARD DLCS CHROME COATING

XTREME COATING

THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

DLCS is a modified diamond-like carbon coating with enhanced load bearing capacity. A hard, durable metal-based layer (chromium nitride) provides an higher hardness surface and increases the resilience of the superposed, tribologically effective carbon coating. Coating prevents high heats which is detrimental to cutting tool performance and will remain fully effective after use.

Extreme Coating Hardness >HV 2.500	Minimal coating thickness µm 2-4	The lowest coefficient of friction 0,1-0,2	High Working Temperature
Offers impressive hardness on cutting areas of the tool and superb protection against abrasive wear and stress resistance.	The minimal micron coating guaranteed perfect sharpen edges for high cutting quality.	Very good running-in and low friction losses. Reduction of sticking. Ideal for high speeds in Nesting applications.	Less overheating! The coating guarantees working temperature up to 400° preserving the cutting edges from wear.

BENEFITS

3X LONGER LIFE THAN UNCOATED

DLCS CHROME COATING provides 3 times longer life than uncoated tools!

Test performed in U.S. with ½" solid carbide compression spiral bit

MACHINE:	Felder Profit H10 Nested Base/Overhead CNC Router
WORKING PARAMETERS:	RPM = 18,000 - Feed = 20 mts/minute
MATERIAL:	19mm Melamine Chipboard
APPLICATION:	Nesting Full Dimensioning
PERFORMANCE:	DLCS coated bit cut 165 melamine panels Uncoated bit cut 56 melamine panels

Felder Profit H10

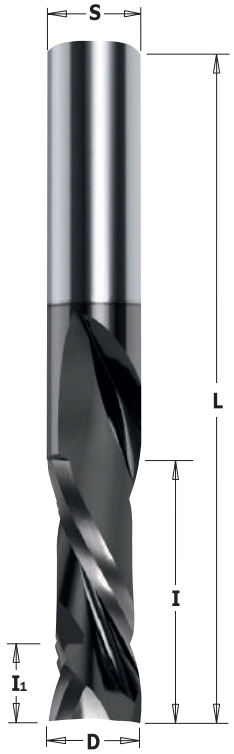
DLCS coated bit

Melamine Chipboard

Cut quality after 165 panels

new

CMT ORANGE TOOLS®



EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

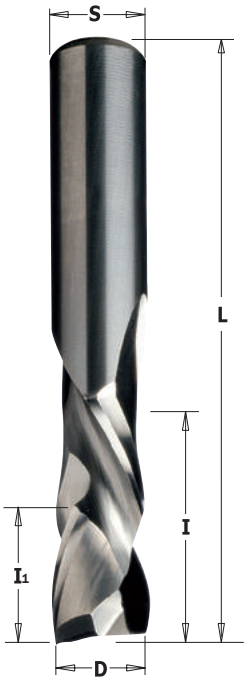
190.41 DLCS Chrome Coating Long Life

HWM | Z2+2 | Z3+3 | RH | UP DOWN | LONG LIFE

D mm	I mm	I1 mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
9,52	28,6	7	76,2	9,52	2+2	10	**190.504.41**
12	42	7	90	12	2+2	10	**190.120.41**
12	52	7	100	12	2+2	10	**190.121.41**
12,7	25,4	12	76,2	12,7	2+2	10	**190.505.41**
12,7	28,6	12	76,2	12,7	2+2	10	**190.506.41**
12,7	34,9	12	88,9	12,7	2+2	10	**190.507.41**
12,7	41,3	12	101,6	12,7	2+2	10	**190.508.41**
...up & downcut mortising bits							
9,52	22,2	4,8	76,2	9,52	2+2	10	**190.513.41**
9,52	25,4	5,2	76,2	9,52	3+3	10	**190.813.41**
12	25	5,2	83	12	3+3	10	**190.320.41**
12,7	22,2	5,2	76,2	12,7	2+2	10	**190.515.41**
12,7	34,9	5,2	88,9	12,7	2+2	10	**190.517.41**
12,7	28,5	6	76,2	12,7	3+3	10	**190.815.41**

TECHNICAL DETAILS:
- Premium quality HWM.
- 2+2 spiral cutting edges [Z2+2].
- 3+3 spiral cutting edges [Z3+3].
- Provide an excellent finish on both the upper and the lower side of the workpiece.

APPLICATION:
used for cutting, copying, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.



190

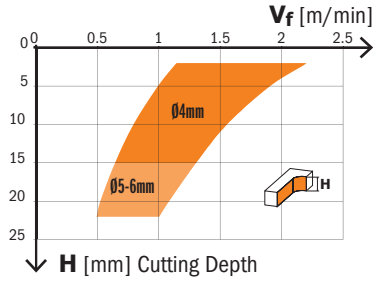
HWM | Z1+1 | Z2+2 | Z3+3 | RH | UP DOWN

D mm	I mm	I1 mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
4	15	7	50	4	1+1	10	**190.040.11**
5	22	8	60	5	1+1	10	**190.050.11**
6	22	8	60	6	1+1	10	**190.060.11**
new 6,35	22,2	7	63,5	6,35	2+2	10	**190.008.11**
8	32	7	80	8	2+2	10	**190.080.11**
9,52	28,6	7	76,2	9,52	2+2	10	**190.504.11**
10	32	7	80	10	2+2	10	**190.100.11**
10	42	7	90	10	2+2	10	**190.101.11**
12	42	7	90	12	2+2	10	**190.120.11**
12	52	7	100	12	2+2	10	**190.121.11**
12,7	25,4	12	76,2	12,7	2+2	10	**190.505.11**
12,7	28,6	12	76,2	12,7	2+2	10	**190.506.11**
12,7	34,9	12	88,9	12,7	2+2	10	**190.507.11**
12,7	41,3	12	101,6	12,7	2+2	10	**190.508.11**
16	55	24	110	16	2+2	10	**190.160.11**
18	55	30	110	18	2+2	10	**190.180.11**
...up & downcut mortising bits							
9,52	22,2	4,8	76,2	9,52	2+2	10	**190.513.11**
9,52	25,4	5,2	76,2	9,52	3+3	10	**190.813.11**
12	25	5,2	83	12	3+3	10	**190.320.11**
12,7	22,2	5,2	76,2	12,7	2+2	10	**190.515.11**
12,7	34,9	5,2	88,9	12,7	2+2	10	**190.517.11**
new 12,7	28,5	6	76,2	12,7	3+3	10	**190.815.11**

TECHNICAL DETAILS:
- Premium quality HWM.
- 1+1 spiral cutting edges [Z1+1].
- 2+2 spiral cutting edges [Z2+2].
- 3+3 spiral cutting edges [Z3+3].
- Provide an excellent finish on both the upper and the lower side of the workpiece.

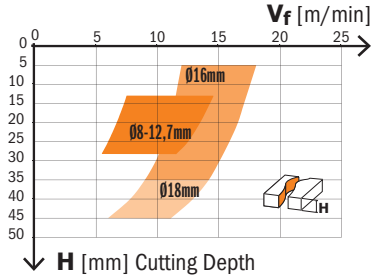
APPLICATION:
used for cutting, copying, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Ø4-6mm CHIPBOARD



24000 RPM
Correction factor for Vf: MDF=0.8

Ø8-18mm CHIPBOARD



18000 RPM
Correction factor for Vf: MDF=0.8

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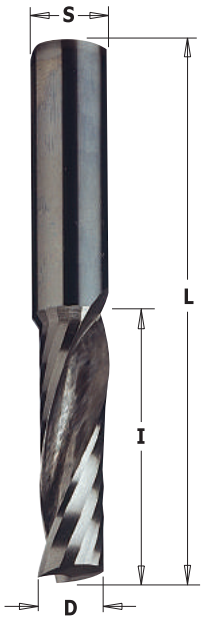
Solid Carbide Upcut Spiral Bits



198

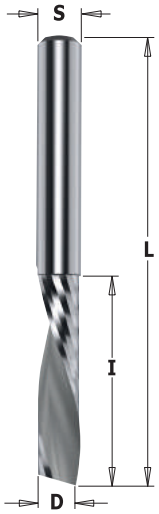
HWM Z1 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
3	12	50	3	10	**198.030.11**
3,18	12,7	50,8	6,35	10	**198.001.11**
4	15	50	4	10	**198.040.11**
4,76	15,87	50,8	6,35	10	**198.005.11**
5	17	50	5	10	**198.050.11**
6	22	60	6	10	**198.060.11**
6,35	19,05	50,8	6,35	10	**198.007.11**
6,35	25,4	63,5	6,35	10	**198.008.11**
8	22	70	8	10	**198.080.11**
8	32	80	8	10	**198.081.11**
9,52	28,57	76,2	9,52	10	**198.504.11**
10	32	70	10	10	**198.100.11**
10	42	80	10	10	**198.101.11**
10	52	90	10	10	**198.102.11**
12	32	83	12	10	**198.120.11**

TECHNICAL DETAILS:
- Premium quality HWM.
- 1 spiral cutting edge [Z1].
- Provide an excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

APPLICATION:
used for cutting, copying, panel sizing and any routing applications on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces.
Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adapters.

Solid Carbide Downcut Spiral Bits



198

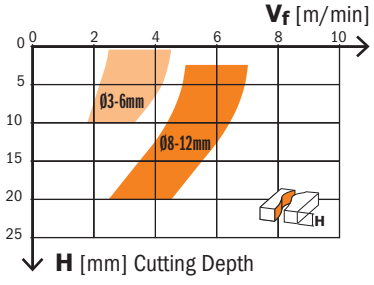
HWM Z1 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
6	27	60	6	10	**198.660.11**

TECHNICAL DETAILS:
- Premium quality HWM.
- 1 spiral cutting edge [Z1].
- Provide an excellent finish on the top side of the workpiece.
- **Upward chip ejection.**

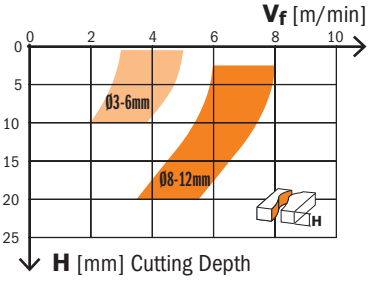
APPLICATION:
used for cutting, copying, panel sizing and any routing applications on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces.
Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adapters.

Ø3-12mm PLASTICS, LAMINATED



16000~18000 RPM

Ø3-12mm SOFTWOOD



18000~24000 RPM
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7
Chipboard=1.1

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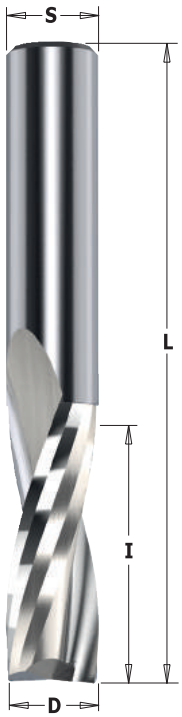
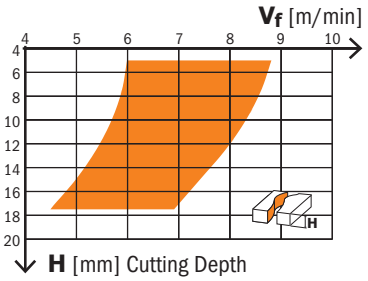


191

HWM Z2 RH

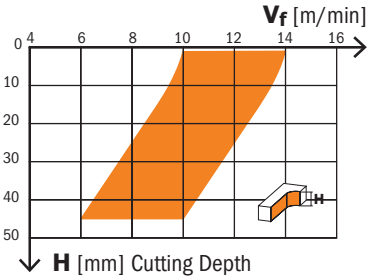
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
3	12	50	3	10	**191.030.11**
3	12	60	6	10	**191.630.11**
3	12	60	8	10	**191.830.11**
3,18	12,7	50,8	6,35	10	**191.001.11**
3,5	12	60	6	10	**191.635.11**
3,97	12,7	50,8	6,35	10	**191.003.11**
4	15	50	4	10	**191.040.11**
4	15	60	6	10	**191.640.11**
4	15	60	8	10	**191.840.11**
4,76	19,05	50,8	6,35	10	**191.005.11**
5	17	50	5	10	**191.050.11**
5	17	60	6	10	**191.650.11**
5	17	60	8	10	**191.850.11**
6	27	70	6	10	**191.060.11**
6	27	70	8	10	**191.860.11**
6,35	19,05	50,8	6,35	10	**191.007.11**
6,35	25,4	63,5	6,35	10	**191.008.11**
7	32	80	8	10	**191.870.11**
7,94	25,4	76,2	12,7	10	**191.501.11**
8	22	70	8	10	**191.080.11**
8	32	80	8	10	**191.081.11**
8	42	90	8	10	**191.082.11**
9	32	83	12	10	**191.890.11**
9,52	31,75	82,5	12,7	10	**191.503.11**
10	32	80	8	10	**191.800.11**
10	32	80	10	10	**191.100.11**
10	32	83	12	10	**191.900.11**
10	42	90	10	10	**191.101.11**
10	42	90	12	10	**191.901.11**
12	35	83	8	10	**191.820.11**
12	35	83	12	10	**191.120.11**
12	42	90	12	10	**191.121.11**
12	52	100	12	10	**191.122.11**
12,7	31,75	76,2	12,7	10	**191.505.11**
12,7	38,1	88,9	12,7	10	**191.506.11**
12,7	50,8	101,6	12,7	10	**191.507.11**
14	50	110	14	1	**191.140.11**
16	55	110	16	1	**191.160.11**
16	35	90	16	1	**191.161.11**
16	72	120	16	1	**191.165.11**
20	72	120	20	1	**191.200.11**

Ø12-14mm PLASTICS,LAMINATED



14000~18000 RPM

Ø12-20mm SOFTWOOD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- Provide an excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates.
Can be used at a high feed speed on well-clamped workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

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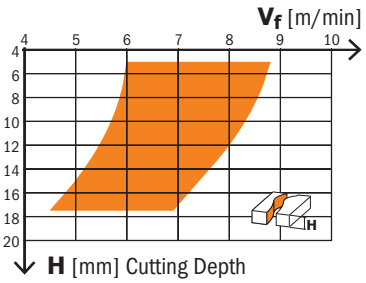
192

HWM Z2 RH

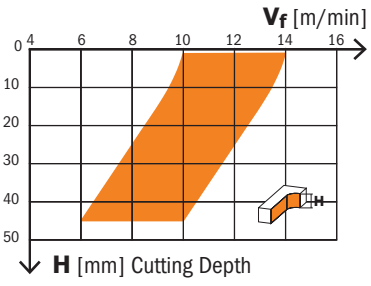
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
3	12	50	3	10	**192.030.11**
3	12	60	6	10	**192.630.11**
3	12	60	8	10	**192.830.11**
3,18	12,7	50,8	6,35	10	**192.001.11**
3,97	12,7	50,8	6,35	10	**192.003.11**
4	15	50	4	10	**192.040.11**
4	15	60	6	10	**192.640.11**
4	15	60	8	10	**192.840.11**
4,76	19,05	50,8	6,35	10	**192.005.11**
5	17	50	5	10	**192.050.11**
5	17	60	6	10	**192.650.11**
5	17	60	8	10	**192.850.11**
6	27	70	6	10	**192.060.11**
6	27	70	8	10	**192.860.11**
6,35	19,05	50,8	6,35	10	**192.007.11**
6,35	25,4	63,5	6,35	10	**192.008.11**
7,94	25,4	76,2	12,7	10	**192.501.11**
8	22	70	8	10	**192.080.11**
8	32	80	8	10	**192.081.11**
8	42	90	8	10	**192.082.11**
9,52	31,75	82,5	12,7	10	**192.503.11**
10	32	80	8	10	**192.800.11**
10	32	80	10	10	**192.100.11**
10	42	90	10	10	**192.101.11**
10	32	83	12	10	**192.900.11**
12	35	83	8	10	**192.820.11**
12	35	83	12	10	**192.120.11**
12,7	31,75	76,2	12,7	10	**192.505.11**
12,7	38,1	88,9	12,7	10	**192.506.11**
12,7	50,8	101,6	12,7	10	**192.507.11**
14	52	110	14	1	**192.140.11**
16	55	110	16	1	**192.160.11**

Ø12-14mm PLASTICS,LAMINATED



14000-18000 RPM

Ø12-20mm SOFTWOOD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral edges [Z2].
- Provide an excellent finish on the upper side of the workpiece.
- **Downward chip ejection.**

APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates.
Can be used at a high feed speed on small, difficult to clamp work pieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

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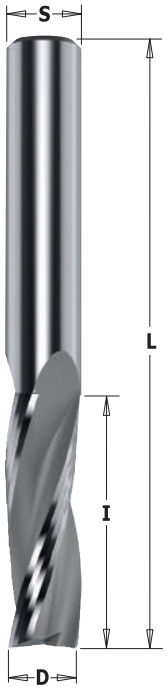


193

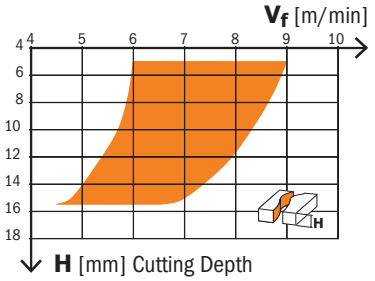
HWM Z3 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	10	**193.081.11**	**193.081.12**
10	32	80	10	10	**193.100.11**	**193.100.12**
10	42	90	10	10	**193.101.11**	
12	35	83	12	10	**193.120.11**	**193.120.12**
12	42	90	12	10	**193.121.11**	
12	52	100	12	10	**193.122.11**	
14	58	110	14	1	**193.140.11**	
16	55	110	16	1	**193.160.11**	**193.160.12**
16	35	90	16	1	**193.161.11**	
16	72	120	16	1	**193.165.11**	
18	55	110	18	1	**193.180.11**	
20	60	120	20	1	**193.200.11**	**193.200.12**
20	70	120	20	1	**193.201.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- Provide an excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

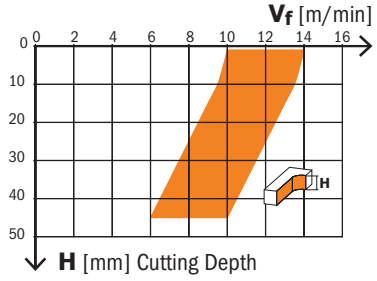
APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Ø12-14mm PLASTICS, LAMINATED



14000-18000 RPM

Ø12-20mm SOFTWOOD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

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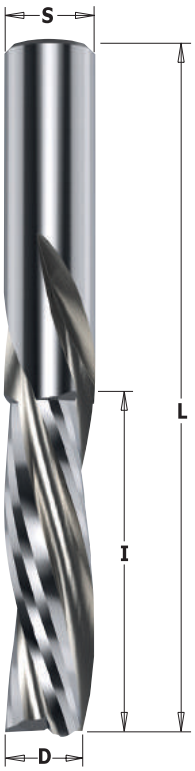


194

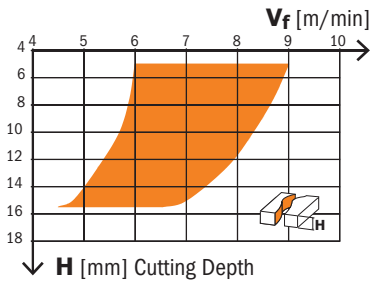
HWM Z3 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	32	80	10	10	**194.100.11**	
10	42	90	10	10	**194.101.11**	
12	35	83	12	10	**194.120.11**	**194.120.12**
12	42	90	12	10	**194.121.11**	
14	50	110	14	1	**194.140.11**	
16	55	110	16	1	**194.160.11**	**194.160.12**
16	35	90	16	1	**194.161.11**	
18	55	110	18	1	**194.180.11**	
20	60	120	20	1	**194.200.11**	**194.200.12**
20	72	120	20	1	**194.201.11**	
20	102	165	20	1	**194.202.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- Provide an excellent finish on the upper side of the workpiece.
- **Downward chip ejection.**

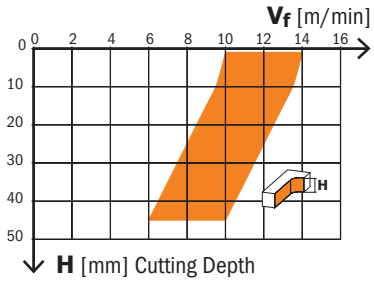
APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates. Can be used at a high feed speed on small, difficult to clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Ø12-14mm PLASTICS, LAMINATED



14000-18000 RPM

Ø12-20mm SOFTWOOD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

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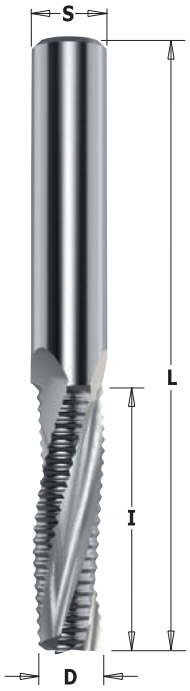
Solid Carbide Upcut Spiral Bits with Chip-Breaker



195

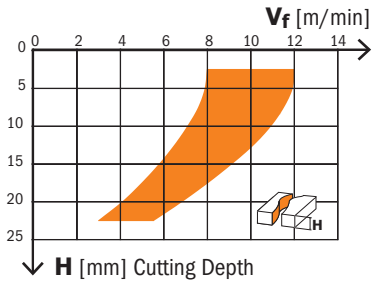
HWM Z3R RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	10	**195.081.11**	**195.081.12**
8	42	90	8	10	**195.082.11**	
10	32	80	10	10	**195.100.11**	**195.100.12**
10	42	90	10	10	**195.101.11**	
12	35	83	12	10	**195.120.11**	**195.120.12**
12	42	90	12	10	**195.121.11**	
12	52	100	12	10	**195.122.11**	
12,7	38,1	88,9	12,7	10	**195.506.11**	
14	58	110	14	1	**195.140.11**	
16	55	110	16	1	**195.160.11**	**195.160.12**
16	35	90	16	1	**195.161.11**	
16	72	120	16	1	**195.165.11**	
18	55	110	18	1	**195.180.11**	
20	60	120	20	1	**195.200.11**	**195.200.12**
20	72	120	20	1	**195.201.11**	
20	102	165	20	1	**195.202.11**	

Application:
used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

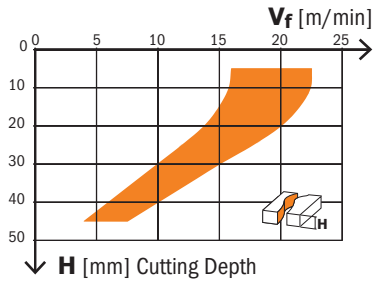
Technical details:
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chip breaker teeth.
- Max 0.3mm tooth depth.
- Provide an excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

Ø8-10mm Softwood



18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

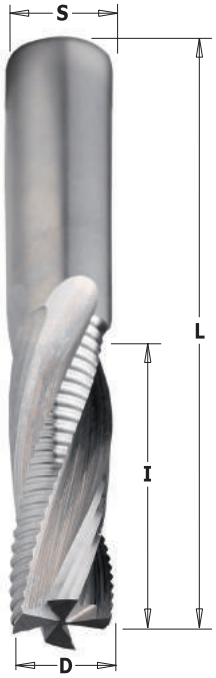
Ø12-20mm Softwood



18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions. CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

Solid Carbide Upcut Spiral Bits



197

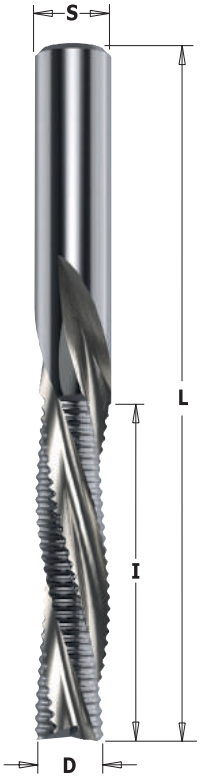
HWM Z4 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
12	42	90	12	10	**197.121.11**	
14	50	110	14	1	**197.140.11**	
16	55	110	16	1	**197.160.11**	
16	35	90	16	1	**197.161.11**	
18	55	110	18	1	**197.180.11**	
20	60	120	20	1	**197.200.11**	
20	70	120	20	1	**197.201.11**	

Technical details:
- Premium quality HWM.
- 4 spiral cutting edges (2 with chip-breaker) [Z2+2R].
- Max 0.1mm tooth depth.
- Provide excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

Application:
used for ripping, template routing, panel sizing and any routing application on solid wood and wood composites. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

The special 4 flute design (Z2 finishing + Z2R with chipbreaker) allows high speed with excellent finish on the workpiece.



196

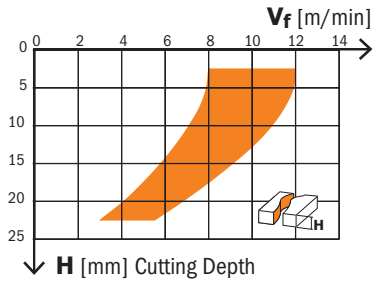
HWM Z3R RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	10	**196.081.11**	
10	42	90	10	10	**196.101.11**	
12	35	83	12	10	**196.120.11**	**196.120.12**
12	42	90	12	10	**196.121.11**	
12	52	100	12	10	**196.122.11**	
12,7	38,1	88,9	12,7	10	**196.506.11**	
14	50	110	14	1	**196.140.11**	
16	55	110	16	1	**196.160.11**	**196.160.12**
18	55	110	18	1	**196.180.11**	
20	60	120	20	1	**196.200.11**	**196.200.12**
20	72	120	20	1	**196.201.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chip breaker teeth.
- Max 0.3mm tooth depth.
- Provide excellent finish on the upper side of the workpiece.
- **Downward chip ejection.**

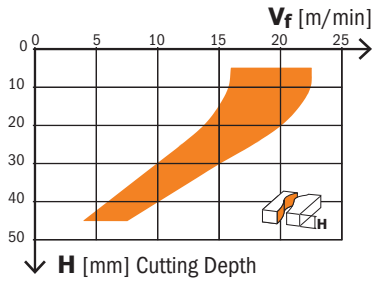
APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood and wood composites.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Ø8-10mm SOFTWOOD



18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

Ø12-20mm SOFTWOOD



18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

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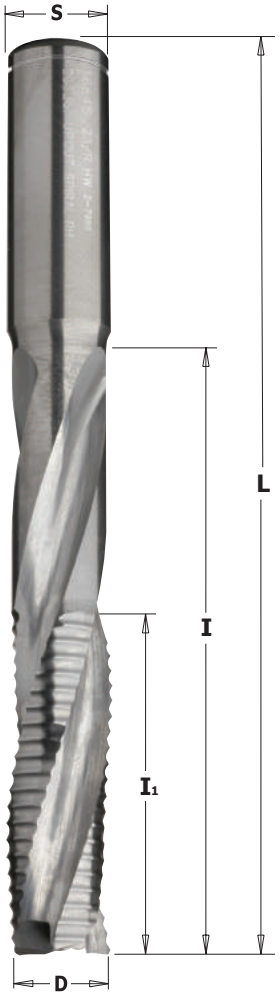
Solid Carbide Upcut Spiral Bits for Locksets



195

HWM Z3R Z3 RH

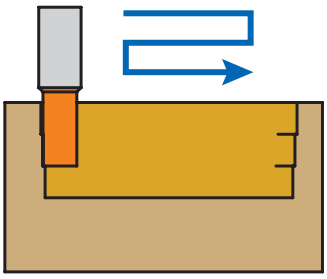
D mm	I mm	I1 mm	L mm	S mm		ORDER NO. Right-hand rotation
With Chip-Breaker						
14	95*	45	150	14	1	**195.142.11**
14	125*	45	170	14	1	**195.144.11**
16	95*	45	150	16	1	**195.162.11**
16	120*	50	170	16	1	**195.164.11**
18	95*	45	150	18	1	**195.182.11**
Without Chip-Breaker						
16	95*	45	150	16	1	**193.162.11**

*** The maximum cutting length is achieved in 2-3 passes.**

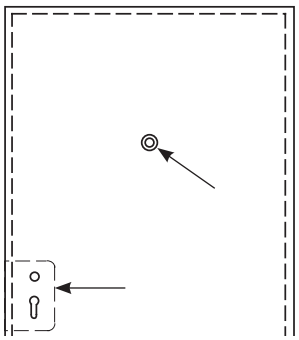
TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3] and [Z3R].
- Max 0.3mm tooth depth.
- Provide an excellent finish on the lower side of the workpiece.
- Seat for seeger ring ***(not included)***.
- **Upward chip ejection.**

APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

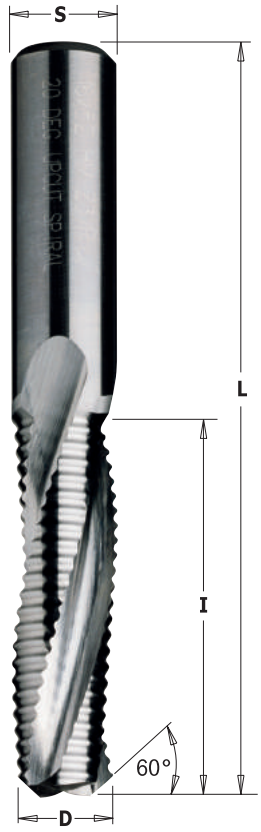
MACHINING DEEP SLOTS GUIDE



Reducing the slot cutting width by approx 0.1mm per stroke reduces the risk of breakage as the tool does not touch the side of the slot with the full length of the tool.



Solid Carbide Upcut with Spiral Bits Chip-Breaker for 60° V-Point Locksets



195.143/163

HWM Z3R RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
14	58	110	14	1	**195.143.11**
16	55	110	16	1	**195.163.11**

Solid Carbide Upcut Spiral Bits without Chip-Breaker for 60° V-Point Locksets

191.143/163

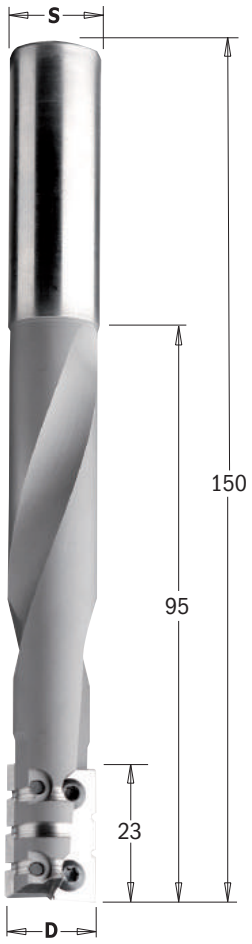
HWM Z3 RH

D mm	I mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
14	50	110	14	1	**191.143.11**
16	55	110	16	1	**191.163.11**

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- Provide an excellent finish on the lower side of the workpiece.
- **Upward chip ejection.**

APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Spiral Bits with Insert Knives & Chip-Breaker for Locksets



662

INSERT CARBIDE Z2R RH 2X LONGER LIFE

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
16	23/95*	150	16	1	**662.160.11**

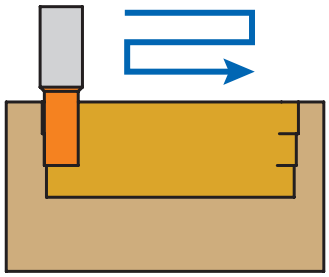
Spare parts		
	790.230.2R	23x7x1.5mm 2-RT HWM knives (Minimum 10 pieces or multiple)
	790.230.2R-X2	23x7x1.5mm 2-RT HWM knives (2-piece pack)
	790.230.3R	23x7x1.5mm 3-RT HWM knives (Minimum 10 pieces or multiple)
	790.230.3R-X2	23x7x1.5mm 3-RT HWM knives (2-piece pack)
	990.082.00	M3x4x5.7mm T8 Torx TCPTI screw
	991.063.00	T8 Torx key

*** The 95mm length is achieved in 4-5 passes.**

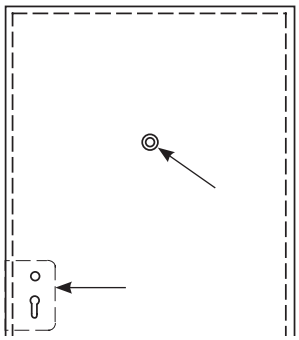
TECHNICAL DETAILS:
- Densimet® tungsten heavy metal alloys for low-vibration.
- 2 cutting edges [Z2R].
- Chip-breaker teeth.

APPLICATION:
used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

MACHINING DEEP SLOTS GUIDE



Reducing the slot cutting width by approx 0.1mm per stroke reduces the risk of breakage as the tool does not touch the side of the slot with the full length of the tool.



Upcut Spiral Bits with Chipbreaker for Glue-Laminated Wooden Beams

195

HSS Z3R RH

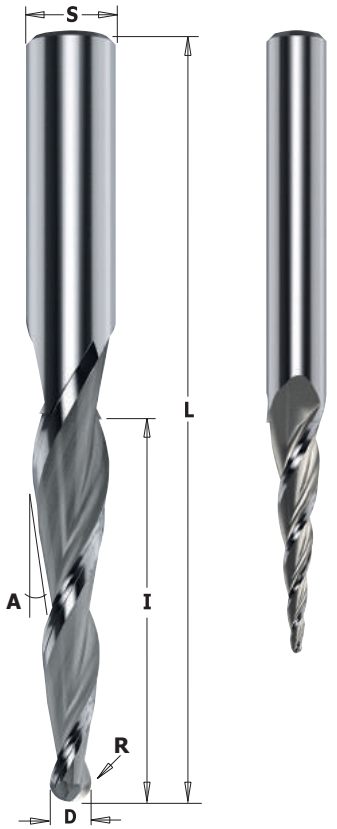
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
□ 30	170	235	30	1	**Y195.300.51**
40	165	235	30	1	**195.400.51**
50	215	295	30	1	**195.500.51**

□ **On request**
We manufacture bits without chipbreaker, with left-hand rotation and also in custom dimensions.

TECHNICAL DETAILS:
- High speed cobalt steel.
- 3 upcut spiral cutting edges with chipbreaker [Z3R].
- Resharpenable cutters.
- Max 6000~10000 RPM.
- Maximum feed speed 2m/minute.
- **Upward chip ejection.**

APPLICATION:
used for cutting, copying, and routing on glue-laminated wooden beams.
For use on Hundegger machines.

Solid Carbide Upcut 2D/3D Carving Tapered Ball Nose Spiral Bits



152

HWM Z2 Z3 RH

D mm	R mm	A	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
0,8	0,4	5,5°	25	70	6	3	10	**152.060.082**
0,8	0,4	6,2°	25,4	76,2	6,35	3	10	**152.064.082**
1,6	0,8	4,5°	25	70	6	3	10	**152.060.162**
1,6	0,8	5,4°	25,4	76,2	6,35	3	10	**152.064.162**
1,6	0,8	5,5°	30	80	8	3	10	**152.080.163**
2	1	3°	80	120	12	2	10	**152.120.208**
3,2	1,6	2,5°	30	70	6	3	10	**152.060.323**
3,2	1,6	3,6°	25,4	76,2	6,35	3	10	**152.064.322**
3,2	1,6	2,5°	50	90	8	3	10	**152.080.325**
6	3	3°	50	100	12	2	10	**152.120.605**
6,4	3,2	3°	50,8	101,6	12,7	2	10	**152.127.635**

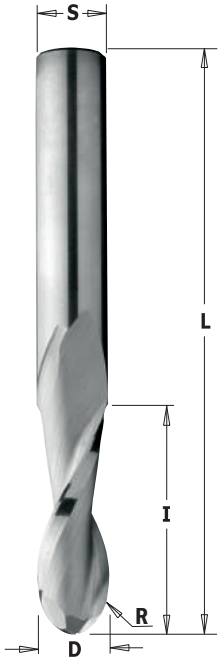
Technical details:
- Premium quality HWM.
- Upcut spiral cutting edges [Z2/Z3].
- **Excellent finish on the lower side of the work piece.**
- Upward chip ejection.

Application: specially designed for 2D and 3D CNC profiling and carving in plastic, aluminum & wood for several uses like:
- A perfect bit for 3D carving
- Precision 2D and 3D large scale carving
- Great for deep profiling
- Dimensional signage
- 3D millwork
- 2D and 3D contouring, profiling, modeling and pattern making for cabinetry, sign making, furniture making and jewelry mold making
- Perfect for model-makers on large 3D milling profiles in abrasive EPS foam and other materials.
- **Ideal on aluminum, plastic and wood-based materials.**

Excellent for cutting:
- Acrylonitrile-Butadiene-Styrene (ABS)
- Acrylic
- Acrylic Stone
- Aluminum
- Brass
- Bronze
- Composite
- Copper
- Corian®
- Coroplast®
- Dibond®
- Ethafoam®
- Ethylene-vinyl Acetate Foam (EVA)
- Expanded Polypropylene (EPP)
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Fiberglass
- Fiberglass PCB Board
- Foam Board
- Graphite
- HDPE
- HDU
- 20lbs High Density Urethane
- Lexan®
- MDF/HDF
- PALFOAM™
- Phenolics
- Phenolic Composites
- Plastics
- Poly (methyl methacrylate) (PMMA)
- Polyethylene Foam
- Polylam®
- Polyurethane Foam
- PVC
- PVC Foam Board
- Sign Board
- Sign Foam
- Titanium
- Tooling Board
- Wood
- XPE (Cross Linked Polyethylene) Foam

Tips for Milling Plastics
- pay attention to heat input
- pay attention to chip-loads when using small diameters
- use air-blast to keep chip away and cooling the tool

Round Nose Solid Carbide Upcut Spiral Bits



199

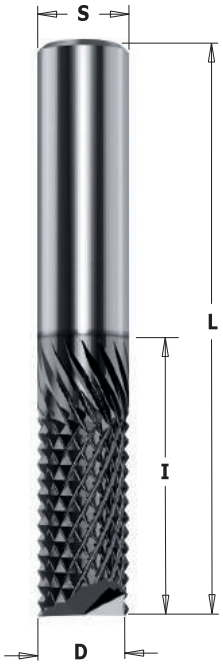
HWM Z2 RH

D mm	R mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
3,18	1,6	12,7	50,8	6,35	10	**199.001.11**
6	3	27	70	6	10	**199.060.11**
6,35	3,18	25,4	63,5	6,35	10	**199.008.11**
8	4	32	80	8	10	**199.081.11**
9,52	4,76	28,57	76,2	9,52	10	**199.504.11**
10	5	32	80	10	10	**199.100.11**
12	6	35	80	12	10	**199.120.11**
12,7	6,35	31,75	76,2	12,7	10	**199.505.11**
15,88	7,94	57,15	109,5	15,88	1	**199.509.11**
16	8	55	110	16	1	**199.160.11**
19,05	9,52	57,15	109,5	19,05	1	**199.511.11**

Technical details:
- Premium quality HWM.
- 2 upcut spiral cutting edges [Z2].
- Excellent finish on the lower side of the work piece.
- **Upward chip ejection.**

Application:
used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates. Can be used at a high feed speed on well-clamped workpieces. For use on machining centers, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adapters.

Solid Surface and Fiberglass Bit with **DLCS Chrome Coating**



151 XTREME PERFORMANCE

HWM | Z4 | RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
6	19	60	6	10	**151.060.19E**
6,35	25,4	63,5	6,35	10	**151.064.25E**
8	25	60	8	10	**151.080.25E**
12	25	75	12	10	**151.120.25E**
12,7	38	89	12,7	10	**151.127.38E**

TECHNICAL DETAILS:
- Premium quality HWM
- Special positively ground cutting edge sharpening for excellent finish
- AlTiN coated

APPLICATION: for drilling, sizing and jointing fiberglass, phenolic and solid surfaces. Can be used on machining centres, point to point machines, CNC routers and hand held routers equipped with chucks or adapters.

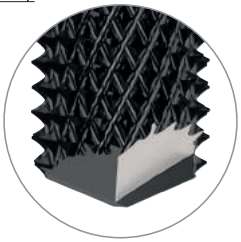
EXTRA HARD DLCS CHROME COATING

DLCS CHROME COATING:
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity

3X LONGER LIFE THAN UNCOATED

DLCS CHROME COATING
provides 3 times longer life than uncoated tools!

Solid Surface and Fiberglass Bit with **DLCS Chrome Coating**



Sharpening 135°

151 XTREME PERFORMANCE

HWM | Z4 | RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
6	19	60	6	10	**151.060.19D**
6,35	25,4	63,5	6,35	10	**151.064.25D**
8	25	60	8	10	**151.080.25D**
12	25	75	12	10	**151.120.25D**
12,7	38	89	12,7	10	**151.127.38D**

TECHNICAL DETAILS:
- Premium quality HWM
- Special positively ground cutting edge sharpening for excellent finish
- AlTiN coated

APPLICATION: for drilling, sizing and jointing fiberglass, phenolic and solid surfaces. The 135° tooth geometry allows vertical feeding minimizing the bending of the workpiece. Can be used on machining centres, point to point machines, CNC routers and hand held routers equipped with chucks or adapters.

EXTRA HARD DLCS CHROME COATING

DLCS CHROME COATING:
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity

3X LONGER LIFE THAN UNCOATED

DLCS CHROME COATING
provides 3 times longer life than uncoated tools!

DP Router Cutters with Negative Shear Angle

141 (HWM tool body)

DP | Z1 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
6	10	60	6	1 neg.	1	**141.260.61**
8	15	65	8	1 neg.	1	**141.280.61**
10	15	65	10	1 neg.	1	**141.300.61**
12	20	70	12	1 neg.	1	**141.320.61**

TECHNICAL DETAILS:
- Special super-micrograin carbide formulation
- Straight cutting edge.
- DP (H3).
- Resharpenable cutter (max 3 times).
- Feed speed on MDF 3-4 m/min for cutter Ø6 and Ø8mm and 4-5m/minute for Ø10and Ø12mm

APPLICATION: to be used on all CNC routers for jointing and sizing of solid wood and wood-based panels.

Negative Cutting Edge

DP Router Cutters

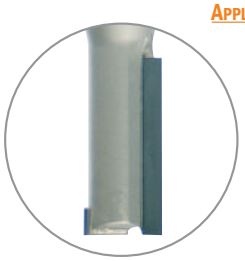
141

DP | Z1+1 | Z1 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
6	8	65	12x40	1	1	**141.060.61**
8	12	65	12x40	1	1	**141.080.61**
*10	22	75	12x40	1+1	1	**141.101.61**

TECHNICAL DETAILS:
- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting.
- Resharpenable cutter (max 3 times).
- Max feed speed 4 m/min.

APPLICATION: to be used on all CNC routers for jointing and sizing of solid wood and wood-based panels.



*** Construction Z1+1 for 141.101.61 item**

DP Router Cutters with Shear Angle

140

DP | Z1+1 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
10	25	72	12x40	1+1 (3 DP+1 HW)	1	**140.03956**
12	27	75	12x40	1+1 (3 DP+1 HW)	1	**140.120.61**
12	35	85	12x40	1+1 (4 DP+1 HW)	1	**140.121.61**
12,7	27	75	12,7x40	1+1 (3 DP+1 HW)	1	**140.127.61**
12,7	35	85	12,7x40	1+1 (4 DP+1 HW)	1	**140.128.61**
15,87	27	85	15,87x50	1+1 (3 DP+1 HW)	1	**140.158.61**
15,87	45	103	15,87x50	1+1 (5 DP+1 HW)	1	**140.159.61**
16	27	85	16x50	1+1 (3 DP+1 HW)	1	**140.160.61**
16	35	93	16x50	1+1 (4 DP+1 HW)	1	**140.161.61**
18	27	85	20x50	1+1 (3 DP+1 HW)	1	**140.180.61**
18	35	95	20x50	1+1 (4 DP+1 HW)	1	**140.181.61**
18	45	105	20x50	1+1 (5 DP+1 HW)	1	**140.182.61**
19,05	27	85	19,05x50	1+1 (3 DP+1 HW)	1	**140.190.61**
19,05	45	105	19,05x50	1+1 (5 DP+1 HW)	1	**140.192.61**
20	27	85	20x50	1+1 (3 DP+1 HW)	1	**140.200.61**
20	35	95	20x50	1+1 (4 DP+1 HW)	1	**140.201.61**
20	45	105	20x50	1+1 (5 DP+1 HW)	1	**140.202.61**
20	55	115	20x50	1+1 (6 DP+1 HW)	1	**140.203.61**

TECHNICAL DETAILS:
- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 3 times).

APPLICATION:
to be used on all CNC routers for jointing, rabbeting, grooving and copying of raw material, melamine and laminates, MDF, HPL and veneered panels.

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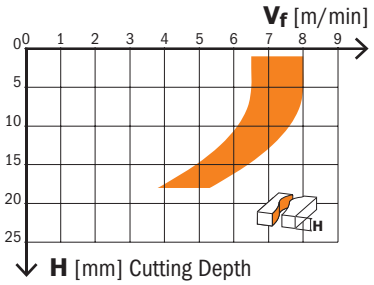
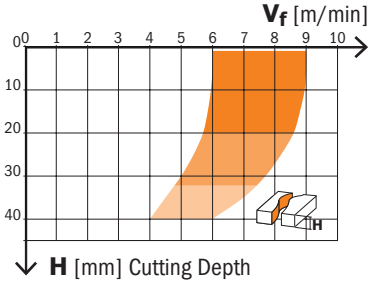
Ø10-12,7mm PLASTIC COATED CHIPBOARD



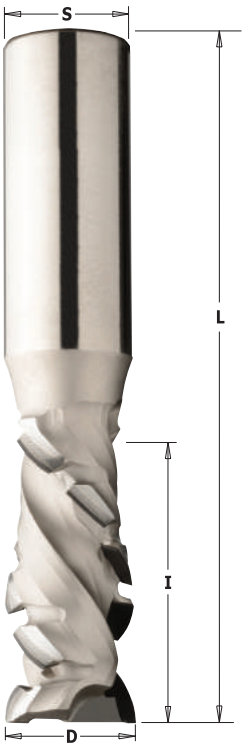
24000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

Ø15,87-20mm PLASTIC COATED CHIPBOARD



18000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

DP Router Cutters with 45° Shear Angle



140

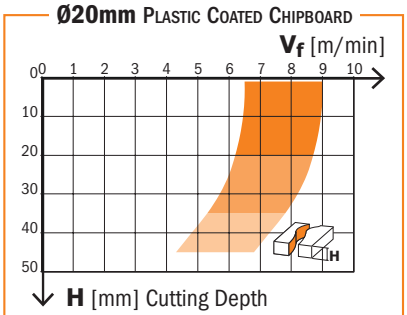
DP | Z1+1 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
20	25	85	20x50	1+1 (6 DP+1 HW)	1	**140.720.61**
20	35	95	20x50	1+1 (8 DP+1 HW)	1	**140.721.61**
20	45	105	20x50	1+1 (9 DP+1 HW)	1	**140.722.61**

TECHNICAL DETAILS:
- Super strength steel.
- Diamond cutting edgesf featuring 45° shear angle (H4).
- HW plunging tip for plunge cutting.
- Resharpenable cutters (max 8-9 times).

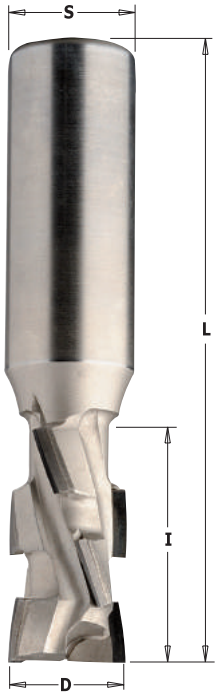
APPLICATION:
to be used on all CNC routers for jointing, rabbeting, grooving and copying of raw material, melamine and laminates, MDF, HPL and veneered panels.

Ø20mm PLASTIC COATED CHIPBOARD



18000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

DP Router Cutters with Shear Angle



142

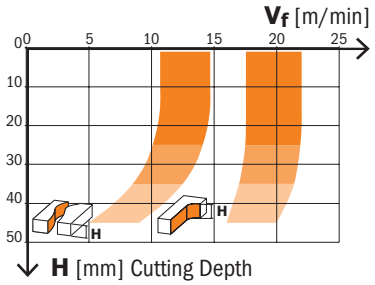
DP | Z2+2 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
20	27	85	20x50	2+2 (6 DP+1 HW)	1	**142.200.61**
20	36	95	20x50	2+2 (8 DP+1 HW)	1	**142.201.61**
20	45	105	20x50	2+2 (10 DP+1 HW)	1	**142.202.61**
20	55	115	20x50	2+2 (12 DP+1 HW)	1	**142.203.61**
25	27	90	25x55	2+2 (6 DP+1 HW)	1	**142.250.61**
25	36	100	25x55	2+2 (8 DP+1 HW)	1	**142.251.61**
25	45	110	25x55	2+2 (10 DP+1 HW)	1	**142.252.61**
25	55	120	25x55	2+2 (12 DP+1 HW)	1	**142.253.61**

TECHNICAL DETAILS:
- Super strength steel.
- DP cutting edge (H2,5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 3 times).

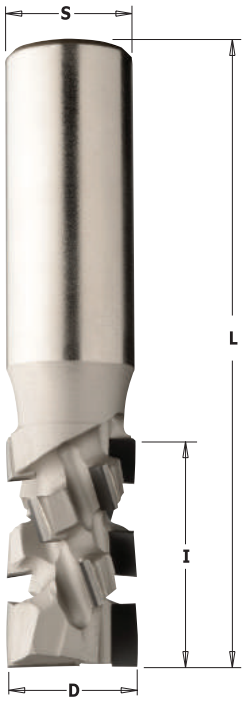
APPLICATION:
to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels.

Ø20-25mm PLASTIC COATED CHIPBOARD



18000 RPM
Jointing Cutting thickness=0.5-2mm
Correction factor for Vf: MDF=0.6
Veneer across grain=0.7

DP Router Cutters with 20° Shear Angle



142

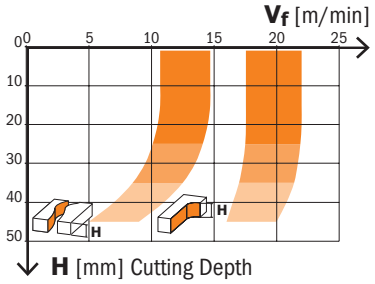
DP | Z2+2 | RH | 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
20	25	85	20x45	2+2 (8 DP+1 HW)	1	**142.720.61**
20	30	90	20x45	2+2 (10 DP+1 HW)	1	**142.721.61**
20	35	95	20x45	2+2 (12 DP+1 HW)	1	**142.722.61**
20	40	100	20x45	2+2 (14 DP+1 HW)	1	**142.723.61**
20	45	105	20x45	2+2 (16 DP+1 HW)	1	**142.724.61**
20	50	110	20x45	2+2 (18 DP+1 HW)	1	**142.725.61**
20	55	115	20x45	2+2 (20 DP+1 HW)	1	**142.726.61**

TECHNICAL DETAILS:
- Super strength steel.
- Diamond cutting edgesf featuring 20° shear angle (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutters (max 8-10 times).

APPLICATION:
used on all CNC routers for jointing, rabbeting, grooving, copying and dividing raw material, melamine, laminated, MDF, HPL and veneered panels.

Ø20-25mm PLASTIC COATED CHIPBOARD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf: MDF=0.6
Veneer across grain = 0.7

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DP Router Cutters with Shear Angle for Nesting (Densimet® Tungsten Heavy Metal Alloys)

143

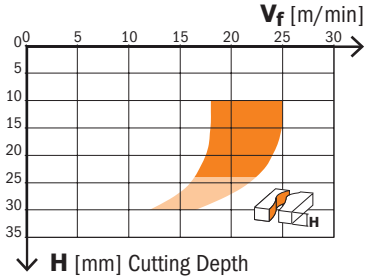
DP Z3 RH 40X LONGER LIFE THAN CARBIDE

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
12	25	70	12x40	3 (9 DP)	1	**143.120.61**
12	31	80	12x40	3 (12 DP)	1	**143.121.61**

TECHNICAL DETAILS:
- Densimet® tungsten heavy metal alloys for low-vibration.
- DP cutting edge (H2,5).
- Resharpenable cutter (max 6 times).

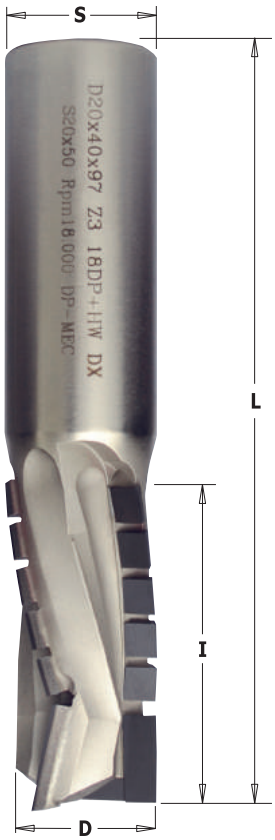
APPLICATION:
to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels.
High performance on pre-and finish-routing.

Ø12mm PLASTIC COATED CHIPBOARD



24000 RPM
Correction factor for Vf: MDF=0.8
Pre-finishing MDF=1.2
Uncoated Chipboard=1.1
Veneer across grain=0.7

DP Spiral Router Cutters with Shear Angle



143

DP Z3 RH 40X LONGER LIFE THAN CARBIDE

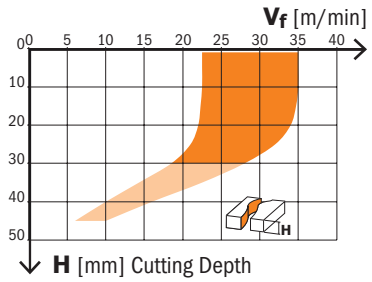
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
18	25	82	20x50	3 (10 DP+1 HW)	1	**143.180.61**
18	30	87	20x50	3 (13 DP+1 HW)	1	**143.181.61**
18	35	92	20x50	3 (15 DP+1 HW)	1	**143.182.61**
20	25	82	20x50	3 (10 DP+1 HW)	1	**143.200.61**
20	30	85	20x50	3 (13 DP+1 HW)	1	**143.201.61**
20	35	92,5	20x50	3 (15 DP+1 HW)	1	**143.202.61**
20	40	97	20x50	3 (18 DP+1 HW)	1	**143.203.61**
20	45	102	20x50	3 (21 DP+1 HW)	1	**143.204.61**
20	50	106,5	20x50	3 (24 DP+1 HW)	1	**143.205.61**
20	55	111	20x50	3 (27 DP+1 HW)	1	**143.206.61**
20	60	116,5	20x50	3 (30 DP+1 HW)	1	**143.207.61**
20	65	121,5	20x50	3 (31 DP+1 HW)	1	**143.208.61**
22	30	92	25x50	3 (13 DP+1 HW)	1	**143.220.61**
□ 22	35	97	25x50	3 (15 DP+1 HW)	1	**143.221.61**
22	40	102	25x50	3 (18 DP+1 HW)	1	**143.222.61**
□ 22	45	107	25x50	3 (21 DP+1 HW)	1	**143.223.61**
22	50	112	25x50	3 (24 DP+1 HW)	1	**143.224.61**
□ 22	55	117	25x50	3 (27 DP+1 HW)	1	**143.225.61**
22	60	122	25x50	3 (30 DP+1 HW)	1	**143.226.61**
□ 22	65	127	25x50	3 (31 DP+1 HW)	1	**143.227.61**
□ 22	70	132	25x50	3 (36 DP+1 HW)	1	**143.228.61**

□ **On request**

TECHNICAL DETAILS:
- Super strength steel.
- DP cutting edge (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 10/12 times).

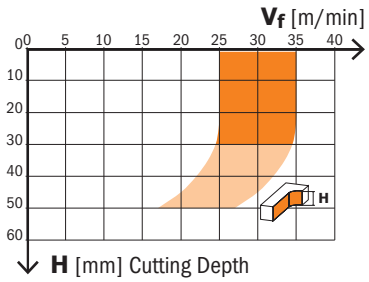
APPLICATION:
to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels. High performance on pre-and finish-routing.

Ø18-20mm PLASTIC COATED CHIPBOARD



24000 RPM
Correction factor for Vf: MDF=0.8
Melamine=0.8

Ø20-22mm PLASTIC COATED CHIPBOARD



24000 RPM
Jointing Cutting thickness=0.5-6mm
Correction factor for Vf: MDF=0.9
Melamine=0.8
Veneer across grain=0.8

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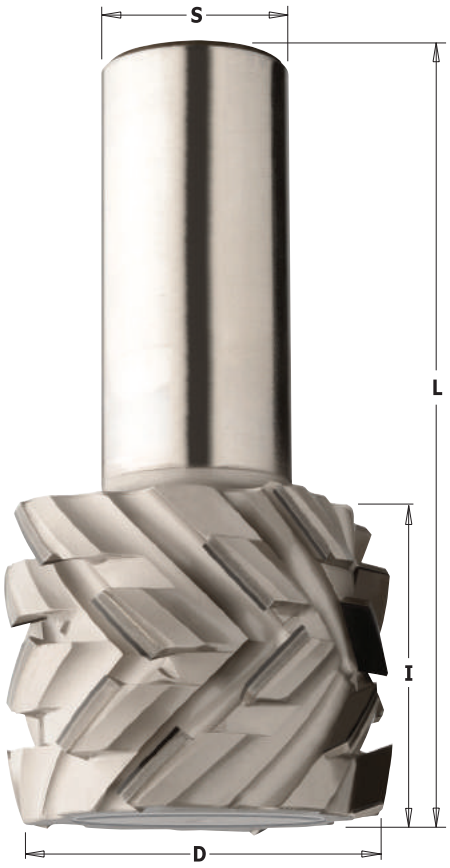


145

DP Z3+3 Z4+4 RH 40X LONGER LIFE THAN CARBIDE

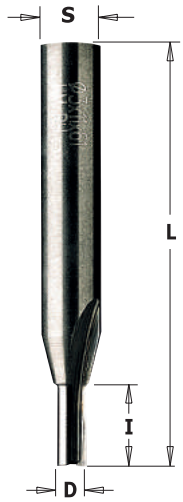
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
☐ 50	23	80	25x55	3+3 (9 DP)	1	**145.501.61**
☐ 50	23	80	25x55	4+4 (12 DP)	1	**145.511.61**
☐ 50	28	85	25x55	3+3 (12 DP)	1	**145.502.61**
☐ 50	28	85	25x55	4+4 (16 DP)	1	**145.512.61**
☐ 50	38	95	25x55	3+3 (18 DP)	1	**145.503.61**
☐ 50	38	95	25x55	4+4 (24 DP)	1	**145.513.61**

☐ **On request**

TECHNICAL DETAILS:
- Super strength steel.
-"H4" diamond cutting edgesf featuring 40° shear angle.
- Resharpenable cutters (max 8-10 times).
- Maximum feed speed 30m/minute.

APPLICATION:
used on all CNC routers for jointing, rabbeting, grooving, copying and dividing raw material, melamine, laminated, MDF, HPL and veneered panels. High performance routing.

Solid Carbide Router Cutters



174

HWM Z2+1 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
3	10	55	8	10	**174.030.11**
4	10	55	8	10	**174.040.11**
5	12	55	8	10	**174.050.11**
6	14	55	8	10	**174.060.11**
7	20	55	8	10	**174.070.11**

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 radial relief cutting edges [Z2].

Router Cutters

174

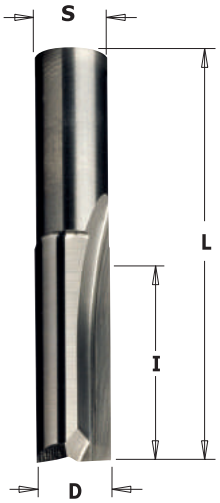
HW Z2+1 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
8	20	55	8	10	**174.080.11**
8	30	70	8	10	**174.081.11**
8	40	90	8	10	**174.082.11**
9	20	55	8	10	**174.090.11**
10	20	60	8	10	**174.100.11**
10	30	70	8	10	**174.102.11**
10	40	90	8	10	**174.101.11**
11	20	60	8	10	**174.110.11**
12	20	60	8	10	**174.120.11**
12	30	70	8	10	**174.122.11**
12	40	90	8	10	**174.121.11**
13	20	60	8	10	**174.130.11**
14	20	60	8	10	**174.140.11**
14	30	70	8	10	**174.142.11**
14	40	90	8	10	**174.141.11**
15	20	60	8	10	**174.150.11**
16	20	70	8	10	**174.160.11**
16	30	70	8	10	**174.162.11**
16	40	90	8	10	**174.161.11**
18	20	70	8	10	**174.180.11**
18	30	70	8	10	**174.181.11**
18	40	80	8	10	**174.182.11**
19	20	70	8	10	**174.190.11**
20	20	70	8	10	**174.200.11**
20	30	70	8	10	**174.201.11**
20	40	90	8	10	**174.202.11**
22	20	70	8	10	**174.220.11**
22	30	70	8	10	**174.221.11**
22	40	90	8	10	**174.222.11**
23,5	20	70	8	10	**174.235.11**
24	20	70	8	10	**174.240.11**
24	30	70	8	10	**174.241.11**
24	40	90	8	10	**174.242.11**
25	20	70	8	10	**174.250.11**
26	20	70	8	10	**174.260.11**
26	30	70	8	10	**174.261.11**
28	20	70	8	10	**174.280.11**
28	30	70	8	10	**174.281.11**
29	20	70	8	10	**174.290.11**
30	20	70	8	10	**174.300.11**

HW plunge centre tip

TECHNICAL DETAILS:
- Super strength steel.
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1].

APPLICATION:
used for drilling, grooving or jointing on solid wood and wood composites.
Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adapters.



HW plunge centre tip

112

HW HWM Z2+1 RH

D mm	I mm	L mm	S mm	Pack Qty.	ORDER NO. Right-hand rotation
3	10	48	9,5	50	**112.030.11**
4	10	48	9,5	50	**112.040.11**
5	12	39	9,5	50	**112.050.11**
6	14	41	9,5	50	**112.060.11**
7	16	43	9,5	50	**112.070.11**
8	18	48	9,5	50	**112.080.11**
8	30	60	9,5	50	**112.081.11**
9	20	52	9,5	50	**112.090.11**
10*	22	52	9,5	50	**112.100.11**
10*	35	65	9,5	50	**112.101.11**
11*	26	52	9,5	10	**112.110.11**
12*	26	52	9,5	10	**112.120.11**

*** Super strength steel**
2 precision ground HW cutting edges [Z2+1]

Technical details:
- Premium quality HWM.
- 2 radial relief cutting edges [Z2+1].

Router Cutters

HW plunge centre tip

113

HW Z2+1 RH

D mm	I mm	L mm	S mm	Pack Qty.	ORDER NO. Right-hand rotation
12	26	52	12	10	**113.120.11**
12	40	70	12	10	**113.121.11**
13	26	52	12	10	**113.130.11**
14	28	56	12	10	**113.140.11**
14	40	72	12	10	**113.141.11**
15	32	60	12	10	**113.150.11**
16	32	60	12	10	**113.160.11**
16	40	72	12	10	**113.161.11**
17	35	64	12	10	**113.170.11**
18	35	64	12	10	**113.180.11**
19	38	68	12	1	**113.190.11**
20	38	68	12	1	**113.200.11**
22	40	72	12	1	**113.220.11**
24	40	72	12	1	**113.240.11**
25	40	72	12	1	**113.250.11**
26	42	74	12	1	**113.260.11**
28	42	74	12	1	**113.280.11**
30	42	74	12	1	**113.300.11**

Technical details:
- Super strength steel.
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1].

Application:
used for grooving, jointing and routing on solid wood, wood composites, plastic materials and laminates.

175

HW HWM Z2+1 RH

D mm	I mm	L mm	S mm	Pack Qty.	ORDER NO. Right-hand rotation
• 4	10	65	10	50	**175.040.11**
• 5	12	65	10	50	**175.050.11**
• 6	14	65	10	50	**175.060.11**
• 7	17	65	10	50	**175.070.11**
8	20	65	10	50	**175.080.11**
10	25	70	10	50	**175.100.11**
12	25	70	10	10	**175.120.11**
14	25	70	10	10	**175.140.11**
15	25	70	10	10	**175.150.11**
16	25	70	10	10	**175.160.11**
18	25	70	10	10	**175.180.11**
20	25	70	10	10	**175.200.11**
22	25	70	10	10	**175.220.11**
24	25	70	10	10	**175.240.11**
25	25	70	10	10	**175.250.11**
26	25	70	10	10	**175.260.11**
30	25	70	10	10	**175.300.11**
35	25	70	10	10	**175.350.11**

• **HWM**

HW plunge centre tip

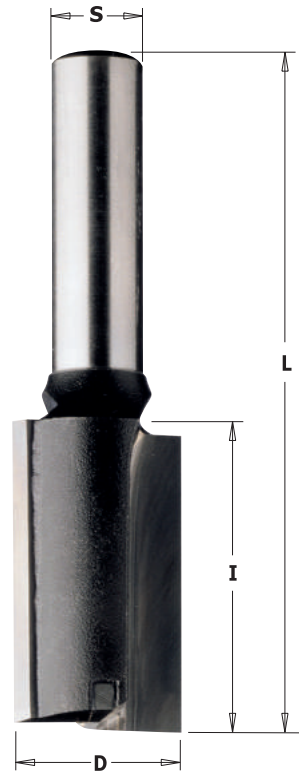
Technical details:
- Premium quality HWM.
- 2 radial relief cutting edges [Z2].
- 1 HW [Z1] plunge centre tip.

Application:
for grooving, jointing and routing on solid wood, wood composites, plastic materials and laminates.

176

HW Z2+1 RH

D mm	I mm	L mm	S mm	Pack Qty.	ORDER NO. Right-hand rotation
10	40	87	10	10	**176.100.11**
12	40	87	10	10	**176.120.11**
14	40	87	10	10	**176.140.11**
15	40	87	10	10	**176.150.11**
16	40	87	10	10	**176.160.11**
18	40	87	10	10	**176.180.11**
20	40	87	10	10	**176.200.11**



177

HW Z2+1 RH

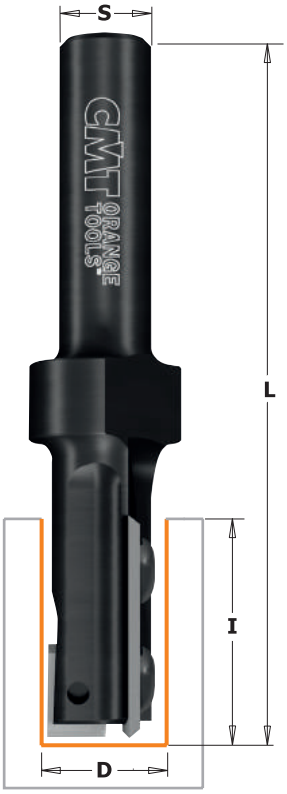
D mm	I mm	L mm	S mm	Pack Qty.	ORDER NO. Right-hand rotation
10	35	90	12	10	**177.100.11**
12	35	90	12	10	**177.120.11**
12	50	100	12	10	**177.121.11**
14	35	90	12	10	**177.140.11**
16	35	90	12	10	**177.160.11**
16	60	110	12	10	**177.161.11**
18	35	90	12	10	**177.180.11**
18	60	110	12	10	**177.181.11**
20	35	90	12	10	**177.200.11**
22	35	90	12	10	**177.220.11**
24	35	90	12	10	**177.240.11**
25	35	90	12	10	**177.250.11**
26	35	90	12	10	**177.260.11**
28	35	90	12	10	**177.280.11**
30	35	90	12	10	**177.300.11**
35	35	90	12	10	**177.350.11**

Technical details:
- Super strength steel.
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1].

Application:
used for grooving, jointing and general routing operation on solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers.

HW plunge centre tip

Straight Router Cutters with Insert Knives



653

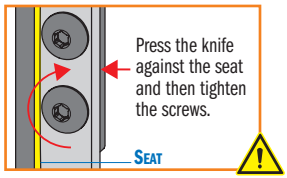
INSERT CARBIDE · MEC · Z1+1 · RH · 2X LONGER LIFE

D mm	I mm	L mm	S mm	Spare Knives Side	Spare Knives Top		ORDER NO. Right-hand rotation
16	28,3	92	20	790.283.12	790.075.00	10	**653.661.11**
16	48,3	111,5	20	790.483.12	790.075.00	10	**653.662.11**
18	48,3	111,5	20	790.483.12	790.075.00	10	**653.681.11**
20	48,3	111,5	20	790.483.12	790.096.00	10	**653.701.11**

Spare parts

790.075.00	7,5x12x1,5mm knife
790.096.00	9,6x12x1,5mm knife
790.283.12	28,3x12x1,5mm knife
790.483.12	48,3x12x1,5mm knife
990.072.00	M3,5x3,5mm Torx screw
990.074.00	M4x3,5mm Torx screw
990.075.00	M4x6mm Torx screw
991.061.00	T15 Torx key

CORRECT KNIFE POSITIONING



TECHNICAL DETAILS:
- Super strength steel.
- 2 cutting edges [Z1+1].

APPLICATION:
straight router bit with one replaceable plunging knife and one-sided knife fixed by special Torx screws. The body is precision balanced. For finishing and routing, plunge cutting and grooving in board materials (laminated chipboards, MDF) and hardwood. For use on CNC machining centres.

Spoilboard Surfacing Router Cutters with Insert Knives

663

INSERT CARBIDE · MEC · Z3 · Z4 · RH · 4X LONGER LIFE

	D mm	I mm	L mm	Z	S mm		ORDER NO. Right-hand rotation	Spare parts	
new	35	10,5	60	3	8x38	1	**663.007.11**	790.105.03	990.078.00
	38	12	60	3	12x35	1	**663.005.11**	790.120.03	990.075.00
	60	12	80	3	12x50	1	**663.004.11**	790.120.03	990.075.00
	80	12	90	3	20x60	1	**663.003.11**	790.120.03	990.075.00
new	100	12	90	4	20x50	1	**663.006.11**	790.120.03	990.075.00

Spare parts

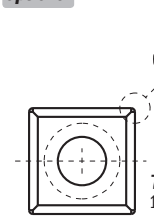
991.061.00	T15 Torx key
990.036.00	M8x25mm TE screw (for 663.003.11 and 663.006.11)
990.020.00	Hex nut for threaded arbors M8 (for 663.003.11 and 663.006.11)

TECHNICAL DETAILS:
- Super strength steel.
- 3 cutting edges [Z3].

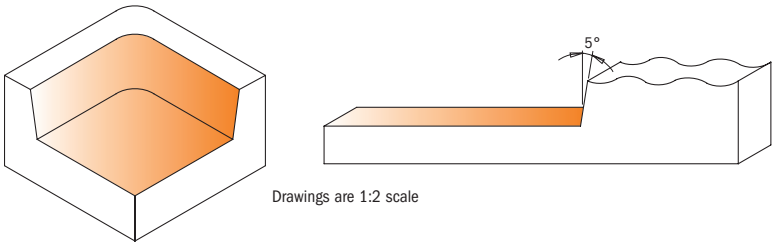
APPLICATION:
the new router bit for CNC routers is ideal for fast removal of material over a large surface area leaving an improved finish at the bottom of the cut. Used on soft and hardwood, particle board and MDF.
The cutter uses 4-sided inserts in super micrograin carbide.

A cost effective solution compared to brazed router bits and solid carbide spiral bits.

Optionel



790.120.20
12x12x1,5mm



Drawings are 1:2 scale

Xtreme Plunge CNC Cutters with Insert Knives

new

CMT ORANGE TOOLS®

653 XTREME

INSERT CARBIDE | MEC | Z2+2 | RH | 2X LONGER LIFE

D mm	I mm	L mm	S mm	Spare Knives Side	Spare Knives Top		ORDER NO. Right-hand rotation
40	29,5	100	20	790.295.12	790.120.00	10	**653.001.11**

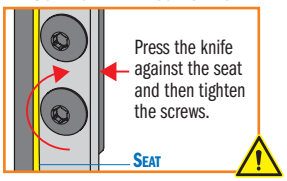
Spare parts

790.120.00 12x12x1,5mm knife
790.295.12 29,5x12x1,5mm knife
990.075.00 M4x6mm Torx screw
991.061.00 T15 Torx key
990.036.00 M8x25mm TE screw
990.020.00 Hex nut for threaded arbors M8

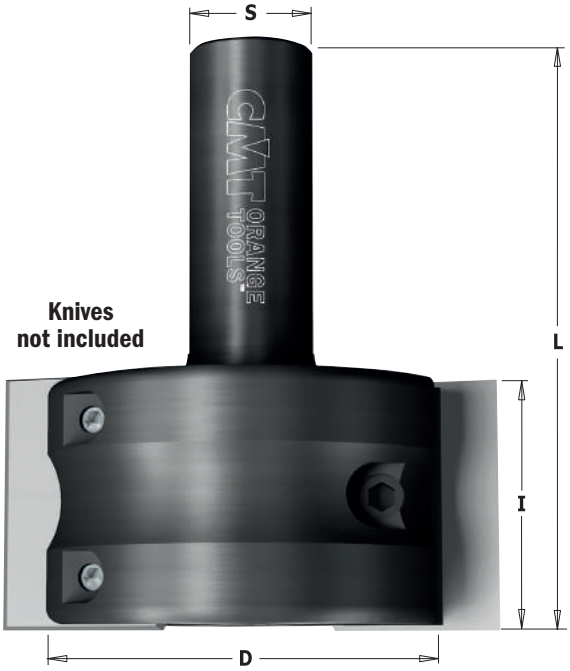
Technical details:
- Super strength steel.
- 2 cutting edges [Z2+2].

Application:
The new CNC cutter is designed with 2 plunging knives and two-sided knives fixed by special Torx screws. It is ideal for direct plunge into the material and fast removal over a large surface area leaving an improvemed finish at the bottom of the cut.
Use on soft and hardwood, particle board, melamine and MDF.
For use on CNC machining centres only.

Correct knife positioning



Universal Profile Cutter for CNC Machines



663.301

SP | MEC | Z2 | RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
65	40-50	93	20	1	**663.301.11**

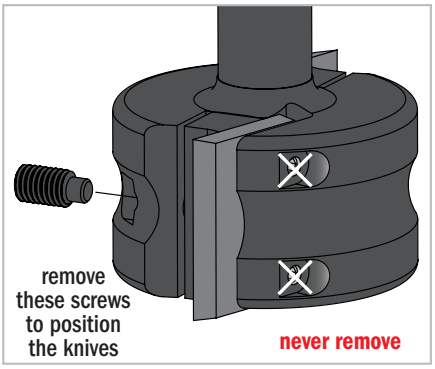
Spare parts

692.999.01 38x15x16mm wedge for cutter
990.068.00 M5x5mm TCEI screw
991.064.00 Hex key 4mm

Technical details:
- Super Strength steel.
- 2 cutting edges [Z2] for knives 40x4mm and 50x4mm.

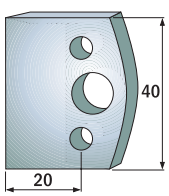
Application:
for universal profiling of solid wood on CNC router machines. For cutting width 40mm and 50mm (serie 690). Profile knives may only be ordered and used in pairs. For router machines with mechanical feed.

Useful tips: for enhanced safety, when using 50mm knives, it is recommended to carry out the cut in several passes.

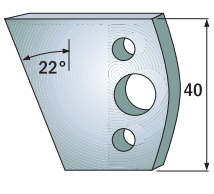


To be used with SP knives series 690 (see page 116~129)

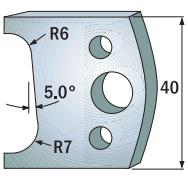
690.000



690.001

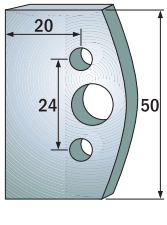


690.002

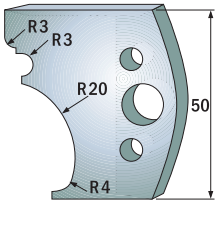


Profile knives cutting length=40mm (serie 690)

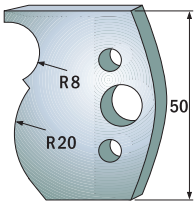
690.500



690.501

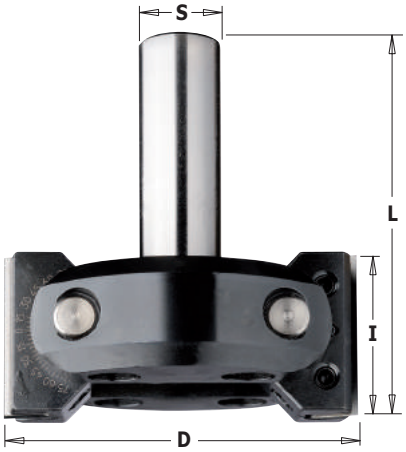


690.502



Profile knives cutting length=50mm (serie 690.5)

Adjustable Chamfering CNC Cutter



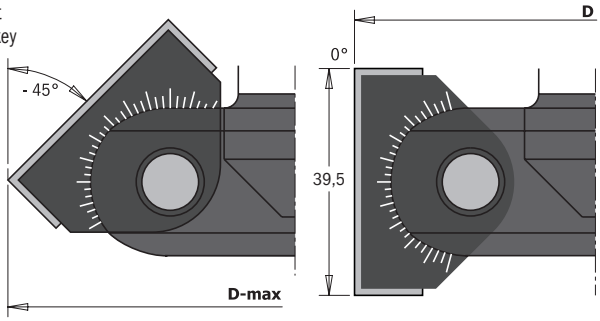
663.201

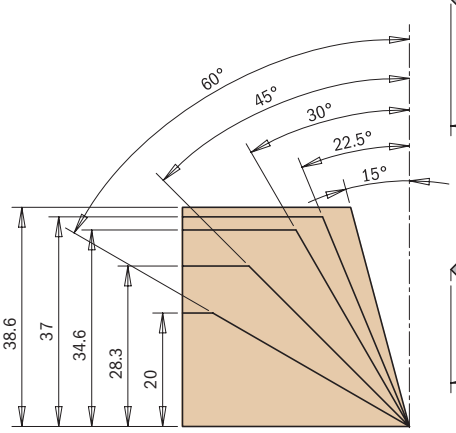
INSERT CARBIDE PACK QTY. 10 PCS. | MEC | Z2 | RH | 2X LONGER LIFE

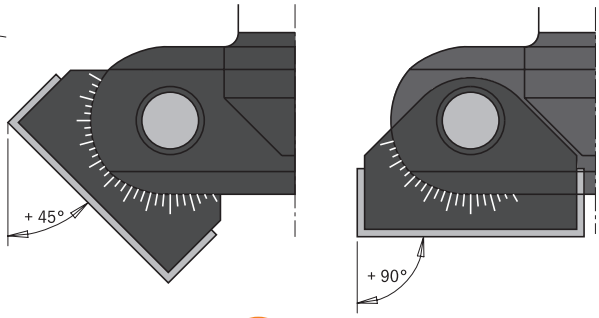
D mm	D_Max 45° mm	I mm	A	L mm	S mm		ORDER NO. Right-hand rotation
85	102	39,5	0°-45° - 0°+90°	92	20	1	**663.201.11**

Spare parts

790.395.12	39,5x12x1,5mm knife
663.999.01	38x6x12mm wedge
990.087.00	M6x8mm STEI screw (4x2mm threaded pin)
991.067.00	3mm hex key
663.999.02	Kit with 2 wedges and 1 screw for blocking rotation
990.099.00	M8x25mm TCEI screw
990.023.00	M8 (4mm) nut
991.081.00	4mm "T" hex key







TECHNICAL DETAILS:
- Tool body in steel
- 2 reversible HWM knives 39,5x12x1,5mm [Z2]
- Peripheral cutting on both sides
- Adjustable swivelling blade (Rotates at 7,5° intervals; Precision = 7,5°)
- Swivelling range 0-45° towards top, and 0-90° towards bottom

APPLICATION:
for jointing, rebating and chamfering of solid wood and wooden boards. Suitable for CNC router machines and stationary router machine with manual or mechanical feed.

V-Groove - Folding - Signmaking CNC Router Cutters with Insert Knives

new

663.1

INSERT CARBIDE | MEC | Z1 | Z2 | RH | 2X LONGER LIFE

D mm	I mm	L mm	A	S mm	Z		ORDER NO. Right-hand rotation	Spare parts
33	40	125	45°	20	1	1	**663.103.11**	790.580.01
44	38	115	60°	20	1	1	**663.102.11**	790.580.01
52	25	100	91°	20	1	1	**663.101.11**	790.360.01
60	21	95	110°	20	1	1	**663.110.11**	790.360.01
87	24	95	120°	20	2	1	**663.120.11**	790.496.01
91	20	95	130°	20	2	1	**663.130.11**	790.496.01
96,5	12,4	95	150°	20	2	1	**663.150.11**	790.496.01

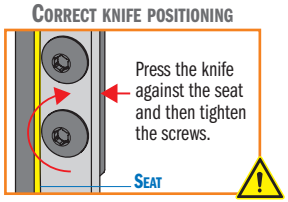
Spare parts

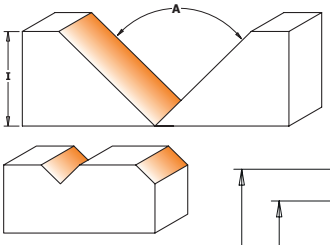
990.073.00	M3,5x5x7,2mm Torx T15 screw (for 790.580.01)
990.075.00	M4x6x8,2mm Torx T15 screw
991.061.00	T15 Torx key
990.036.00	M8x25mm TE screw
990.020.00	Hex nut for threaded arbors M8

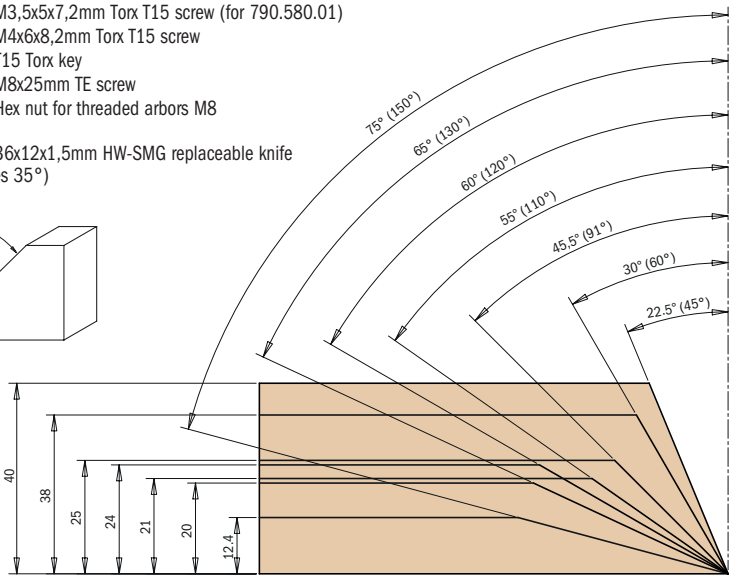
Optional

S790.360.03 36x12x1,5mm HW-SMG replaceable knife (4 cutting edges 35°)

CORRECT KNIFE POSITIONING







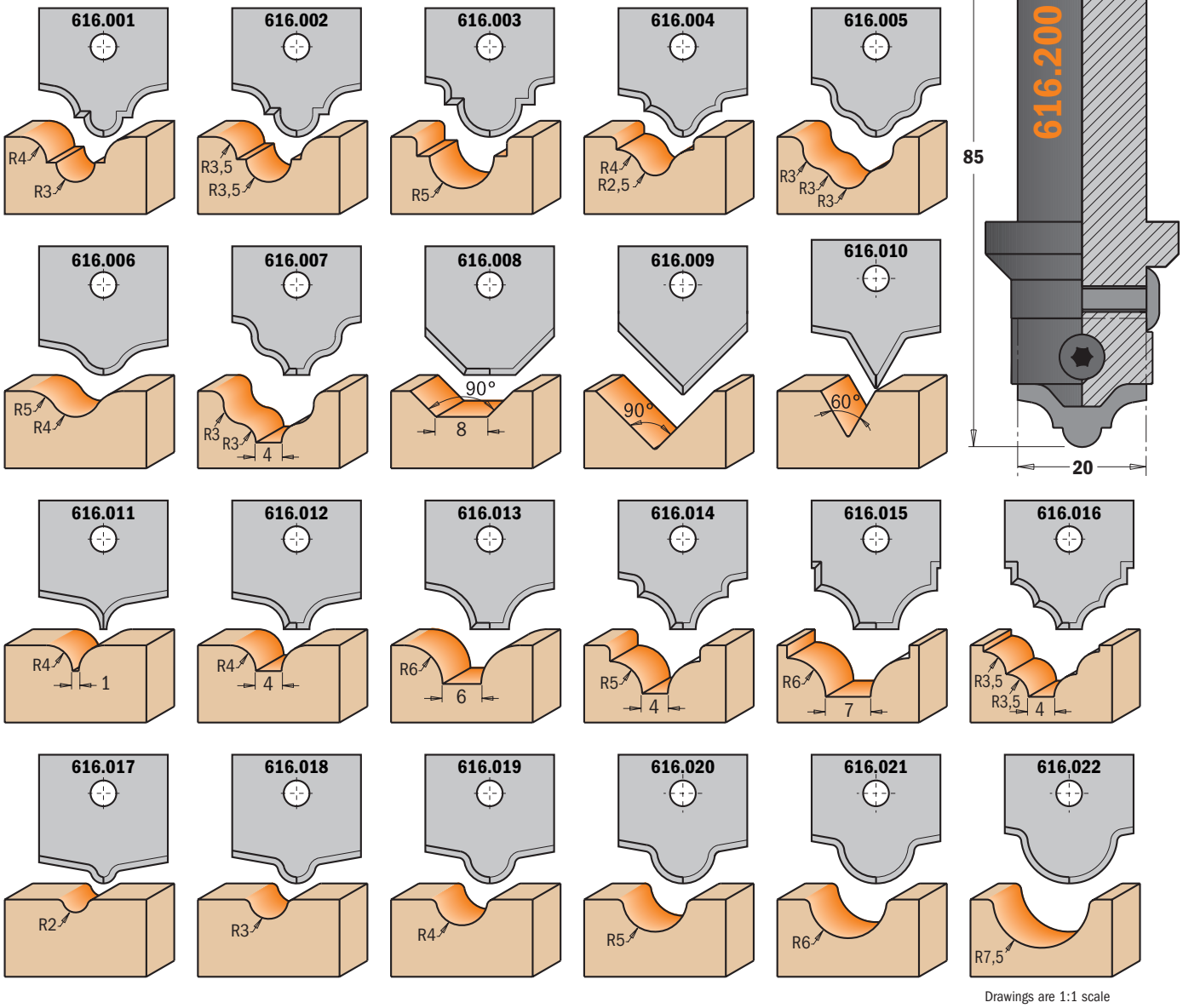
APPLICATION:
this innovative CNC router bit offers you an endless range of possibilities for V-Groove, miter folds, signmaking, lettering and chamfer edges. The tool mounts a high grade HWM reversible knife ideal for general purpose, chipboard and plywood, but a higher quality is available for laminated and MDF material.

616.000.01

INSERT CARBIDE · MEC · Z2 · RH

This unique system includes a tool body with 22 profile knives designed for multiple applications on your CNC routers. Ideal for MDF, laminates, veneers, plastic, wood and solid surface materials.

TECHNICAL DETAILS:
Knives 20x20x2mm.
We recommend re-sharpening the knives on profile cutting edge.



Drawings are 1:1 scale

DESCRIPTION	S mm		ORDER NO. Right-hand rotation	Spare parts		
Complete Set for Decorating on MDF	20	10	**616.000.01**	616.200	990.077.00	991.061.00
Router cutter body with shank Ø20mm (insert knives not included)	20	10	**616.200**		990.077.00	991.061.00
Router cutter body with shank Ø12mm (insert knives not included)	12	10	**616.120**		990.077.00	991.061.00

REMARK: tool body and insert knives can be sold individually.

CMT ORANGE TOOLS

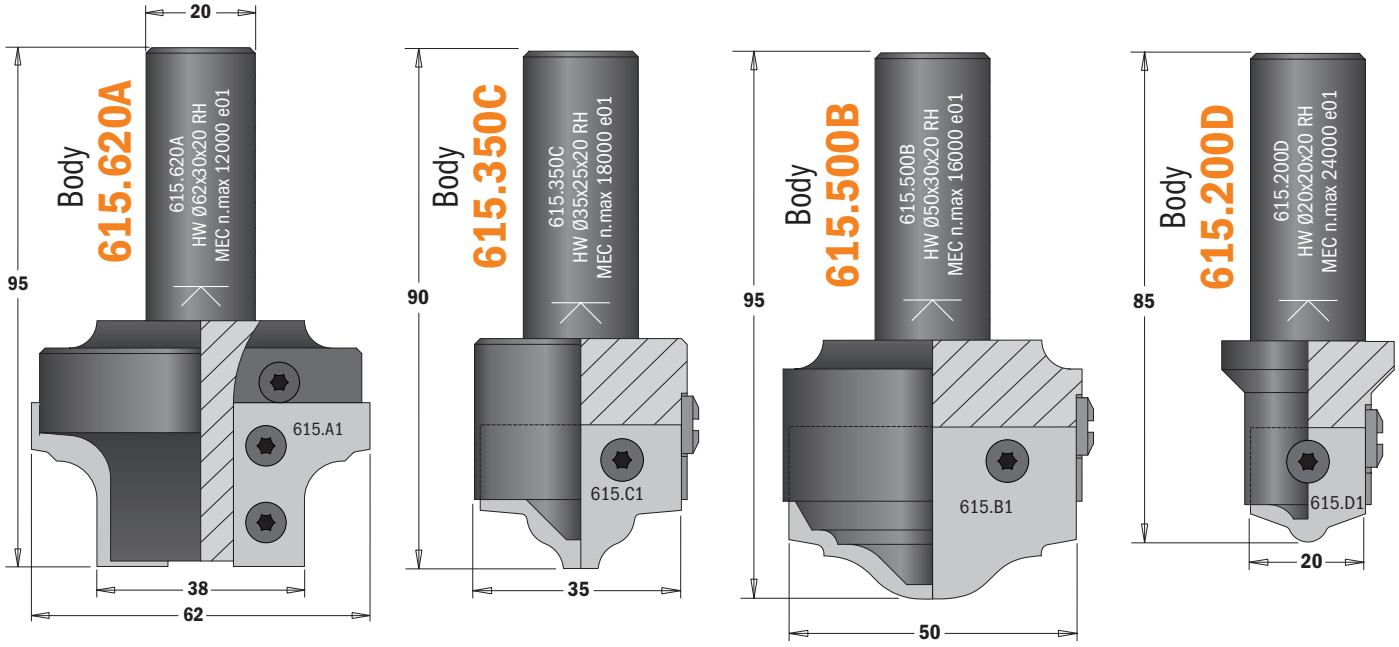
INSERT CARBIDE | MEC | Z2 | RH

615.004.01

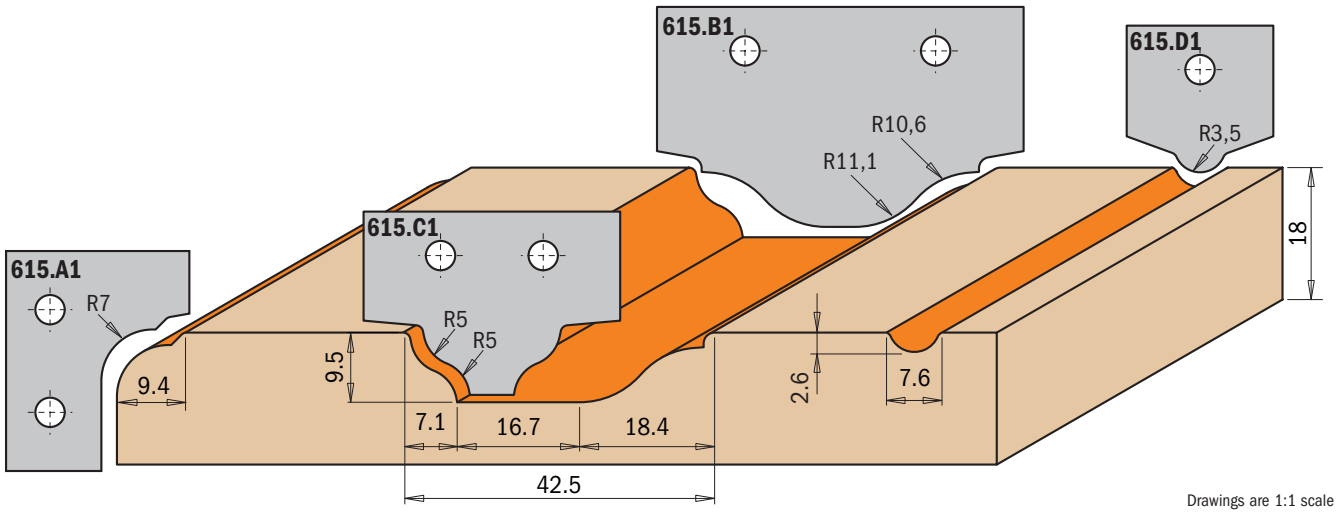
Open some new doors with CMT. Our 4-piece set includes the most popolar profile to make MDF panel doors for kitchens and bathrooms. Each bit is made from bar stock steel and is equipped with 5 differents profile knives allowing enormous possibilities for easy and economical construction. The highest materials, the lowest tolerance in balancing and the precision in the sharpening of the knives let you obtain a smooth finish on your CNC machine.

Spare parts

991.061.00	T15 Tork key
990.073.00	M3,5x5mm Torx screw
990.075.00	M4x6mm Torx screw
990.077.00	M3,5x7mm Torx screw



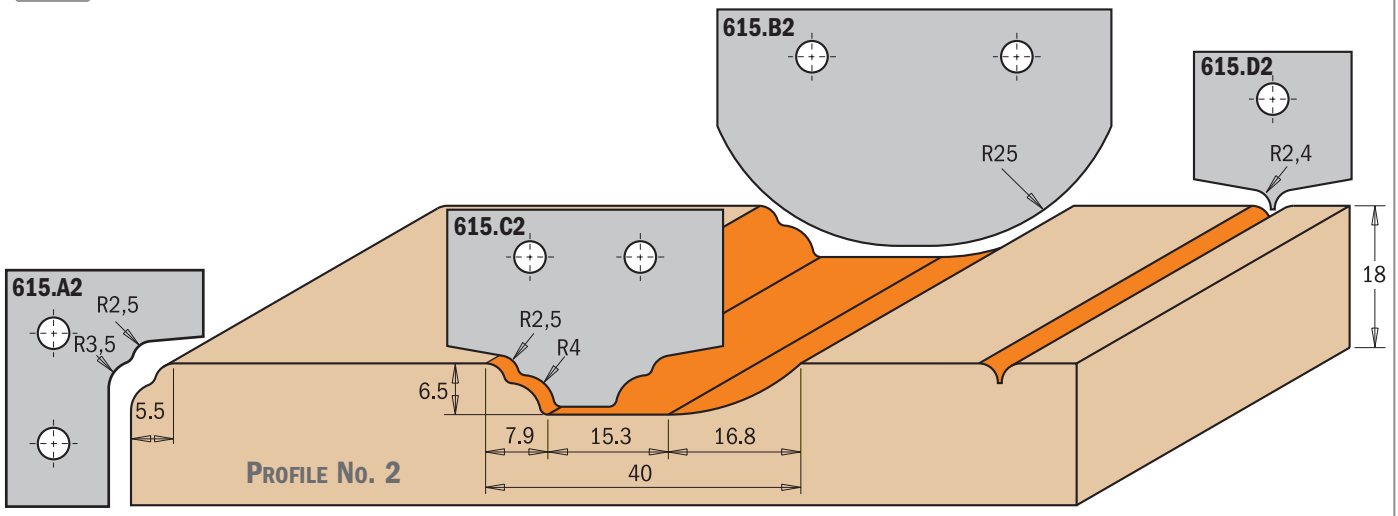
Standard Profile No. 1

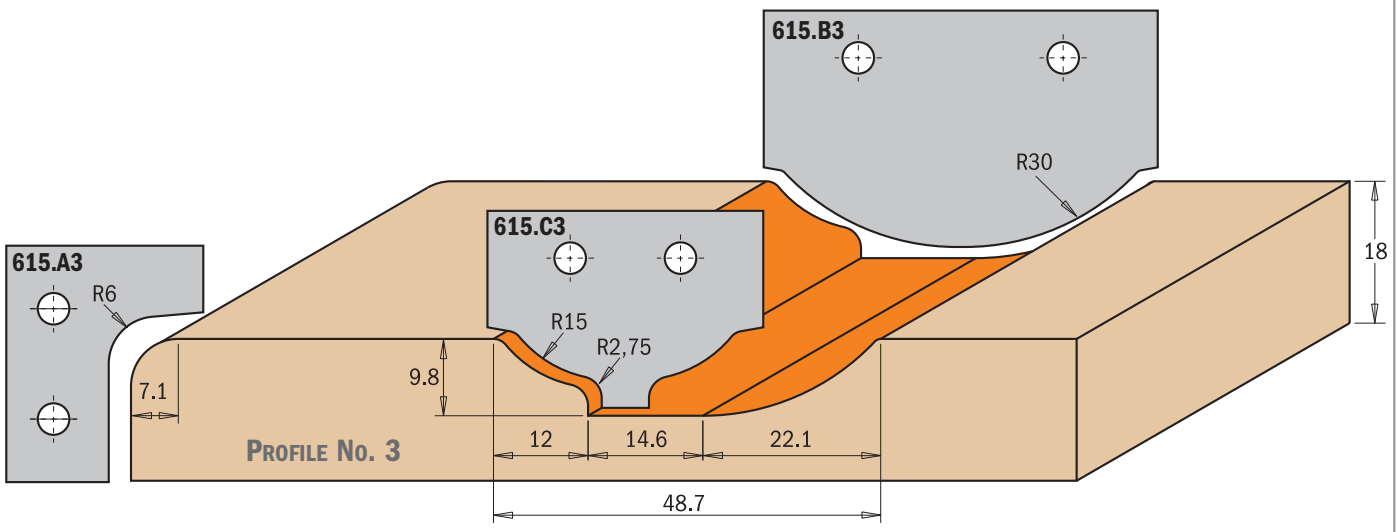


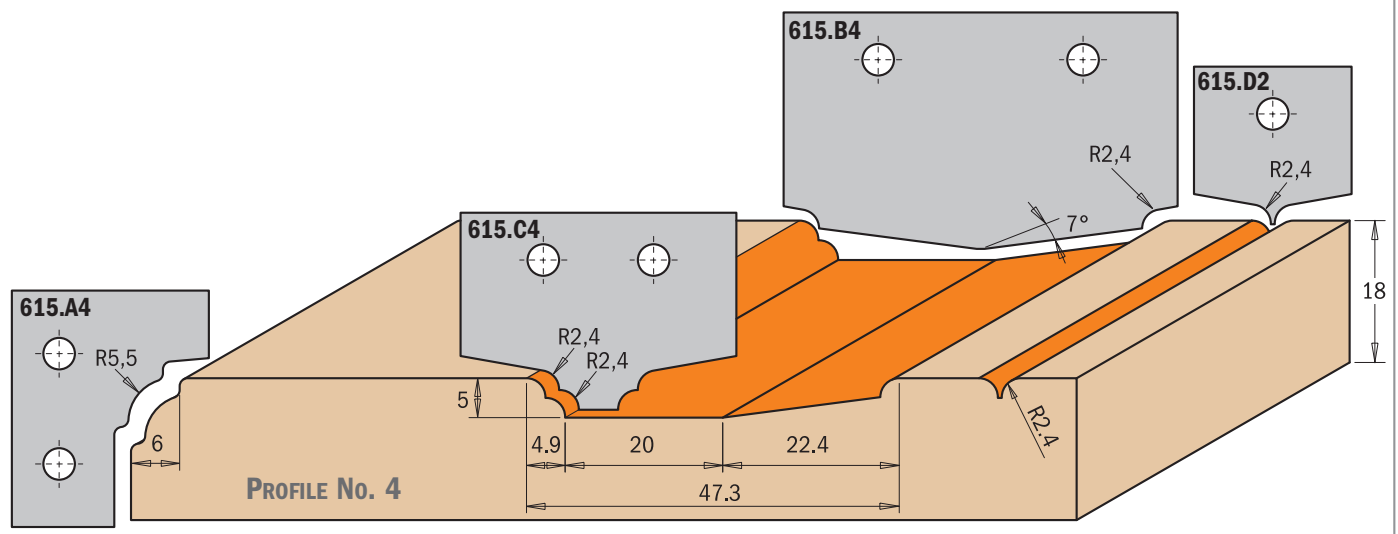
Drawings are 1:1 scale

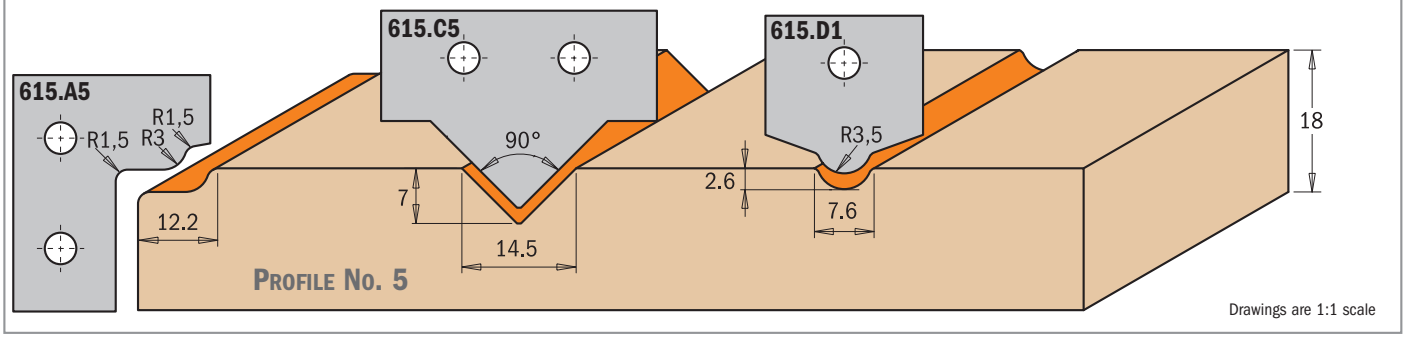
Description		S mm		Order no. Right-hand rotation
Complete Set for MDF Doors	(Profile no. 1)	20	1	**615.004.01**

Optional

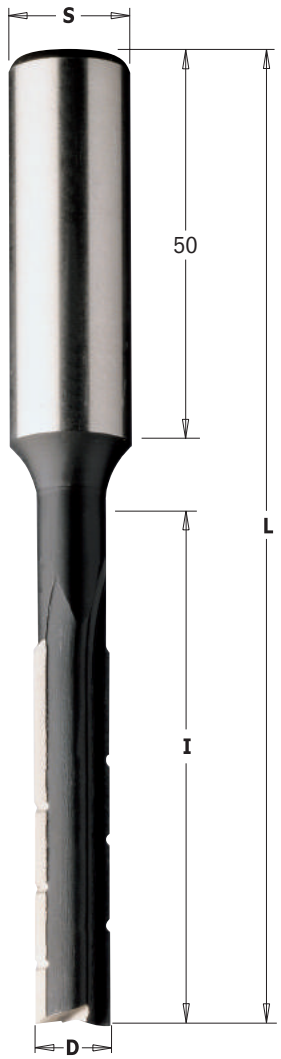








Drawings are 1:1 scale



102

HL Z2R RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	50	105	16	10	**102.060.31**	**102.060.32**
7	55	110	16	10	**102.070.31**	**102.070.32**
8	60	115	16	10	**102.080.31**	**102.080.32**
9	65	120	16	10	**102.090.31**	**102.090.32**
10	70	125	16	10	**102.100.31**	**102.100.32**
11	75	130	16	10	**102.110.31**	**102.110.32**
12	80	135	16	10	**102.120.31**	**102.120.32**
13	85	140	16	10	**102.130.31**	**102.130.32**
14	90	145	16	10	**102.140.31**	**102.140.32**
15	95	150	16	10	**102.150.31**	**102.150.32**
16	100	155	16	10	**102.160.31**	**102.160.32**
17	105	160	16	10	**102.170.31**	**102.170.32**
18	110	165	16	10	**102.180.31**	**102.180.32**
19	115	170	16	10	**102.190.31**	**102.190.32**
20	120	175	16	10	**102.200.31**	**102.200.32**
22	125	180	16	10	**102.220.31**	**102.220.32**
24	125	180	16	10	**102.240.31**	**102.240.32**

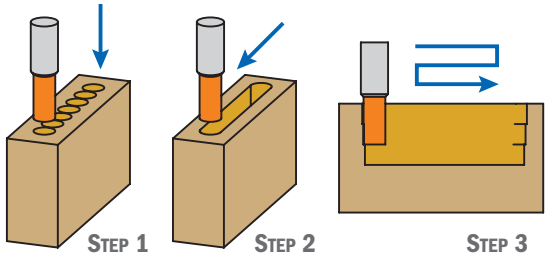
172

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	50	105	13	10	**172.060.31**	**172.060.32**
7	55	110	13	10	**172.070.31**	**172.070.32**
8	60	115	13	10	**172.080.31**	**172.080.32**
9	65	120	13	10	**172.090.31**	**172.090.32**
10	70	125	13	10	**172.100.31**	**172.100.32**
11	75	130	13	10	**172.110.31**	**172.110.32**
12	80	135	13	10	**172.120.31**	**172.120.32**
13	85	140	13	10	**172.130.31**	**172.130.32**
14	90	145	13	10	**172.140.31**	**172.140.32**
15	95	150	13	10	**172.150.31**	**172.150.32**
16	100	155	13	10	**172.160.31**	**172.160.32**
18	110	165	13	10	**172.180.31**	**172.180.32**
20	120	175	13	10	**172.200.31**	**172.200.32**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 2 HL precision ground straight cutting edges with chip-breaker teeth [Z2R].

APPLICATION:
for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

MACHINING DEEP SLOTS GUIDE



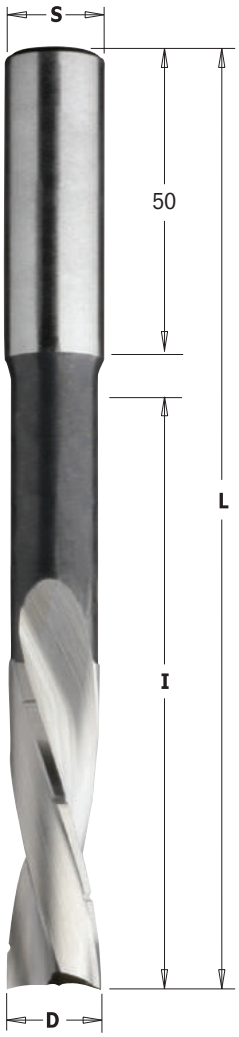
6-Piece Mortising Bit Sets

102-172

HL Z2R RH LH

Ideal for heavy mortise jobs. Made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a hardwood and glass box for protection, these sets are economical and a perfect addition to any workshop.

S mm	D mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
16	6-8-10-12-14-16	1	**102.001.00**	**102.001.10**
13	6-8-10-12-14-16	1	**172.001.00**	**172.001.10**



161

HSS Z2R RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	60	120	16	10	**161.060.31**	**161.060.32**
8	70	130	16	10	**161.080.31**	**161.080.32**
10	80	140	16	10	**161.100.31**	**161.100.32**
12	90	150	16	10	**161.120.31**	**161.120.32**
14	100	160	16	10	**161.140.31**	**161.140.32**
16	110	170	16	10	**161.160.31**	**161.160.32**

160

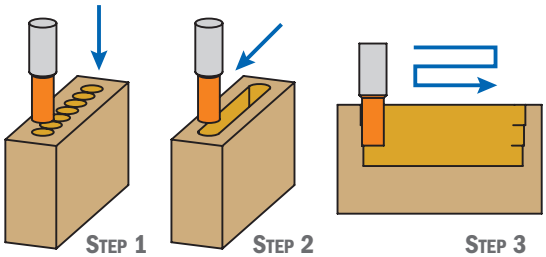
HSS Z2R RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	60	120	13	10	**160.060.31**	**160.060.32**
8	70	130	13	10	**160.080.31**	**160.080.32**
10	80	140	13	10	**160.100.31**	**160.100.32**
12	90	150	13	10	**160.120.31**	**160.120.32**
14	100	160	13	10	**160.140.31**	**160.140.32**
16	110	170	13	10	**160.160.31**	**160.160.32**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 2 HSS precision ground twisted cutting edges with chip-breaker teeth [Z2R].

APPLICATION:
for cutting mortise slots in soft and hardwood.
Used on machining centres equipped with chucks.
RPM 3000~5000

MACHINING DEEP SLOTS GUIDE



6-Piece Mortising Bit Sets

160-161

HSS Z2R RH LH

Ideal for heavy mortise jobs. Made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a hardwood and glass box for protection, these sets are economical and a perfect addition to any workshop.

S mm	D mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
16	6-8-10-12-14-16	1	**161.001.00**	**161.001.10**
13	6-8-10-12-14-16	1	**160.001.00**	**160.001.10**

164

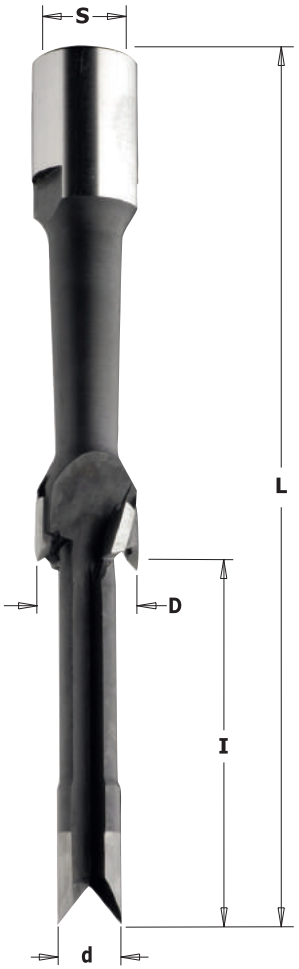
HW Z2 V2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	
18	100	M12x1		1	**164.180.11**	
20	100	M12x1		1	**164.200.11**	
22	100	M12x1		1	**164.220.11**	

TECHNICAL DETAILS:
- Super strength steel.
- HW cutting head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].

APPLICATION:
used for drilling blind holes in solid wood, wood composites, plastic and laminated materials. Used on slot and mortise machines equipped with chucks.

Slot & Mortise Boring Bits



166-167

HW Z2 V2 RH

d mm	D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
11	22	62	155	M12x1	1	**166.220.11**
12	19	62	155	M12x1	1	**167.190.11**

TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].

APPLICATION:
used for drilling and cutting mortise slots in solid wood, wood composites, plastic and laminated materials.

163

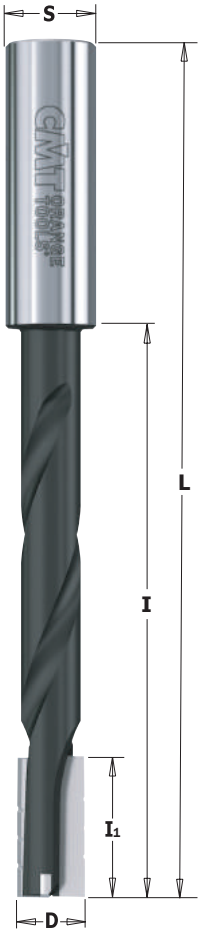
HW Z2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	
12	100	M12x1		1	**163.120.11**	
14	100	M12x1		1	**163.140.11**	
16	100	M12x1		1	**163.160.11**	

TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].

APPLICATION:
used for cutting mortises and slots in solid wood and wood composites. Assembled in chucks.

Carbide Spiral Slot Mortising Bits with Chip-Breaker



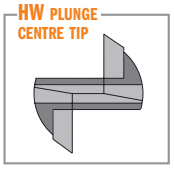
161

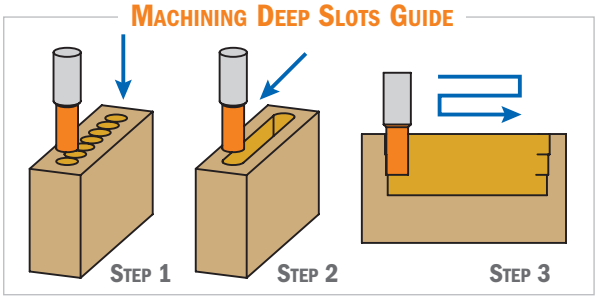
HW Z2R α RH LH

D mm	l_1 mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
12	25	75	150	16x50	10	**161.120.11**	**161.120.12**
16	25	95	170	16x50	10	**161.160.11**	**161.160.12**

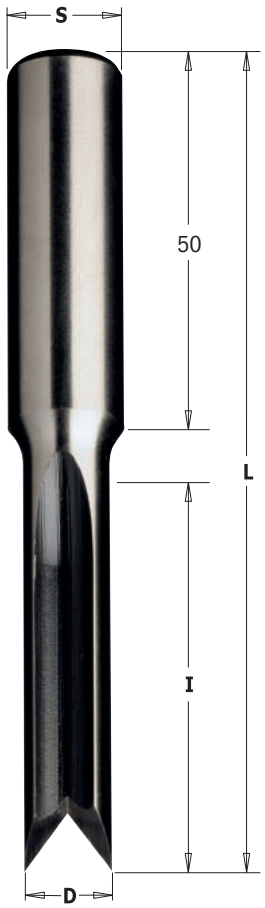
TECHNICAL DETAILS:
- Long-lasting cutting performance.
- Super strength steel.
- 2 precision ground HW cutting edges with chip-breaker teeth and 1 HW plunge centre tip [Z2+1].

APPLICATION:
for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks. RPM 3000~5000





Reciprocating Slot Mortising Bits



103

HL Z2 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	100	16	1	**103.060.30**
7	45	100	16	1	**103.070.30**
8	45	100	16	1	**103.080.30**
9	45	100	16	1	**103.090.30**
10	55	110	16	1	**103.100.30**
11	55	110	16	1	**103.110.30**
12	55	110	16	1	**103.120.30**
13	55	110	16	1	**103.130.30**
14	55	110	16	1	**103.140.30**
15	55	110	16	1	**103.150.30**
16	55	110	16	1	**103.160.30**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 2 HL precision ground cutting edges [Z2].

APPLICATION:
used for cutting mortise slots in soft and hardwood.
Used on machining centres equipped with chucks.

Reciprocating Slot Mortising Bits

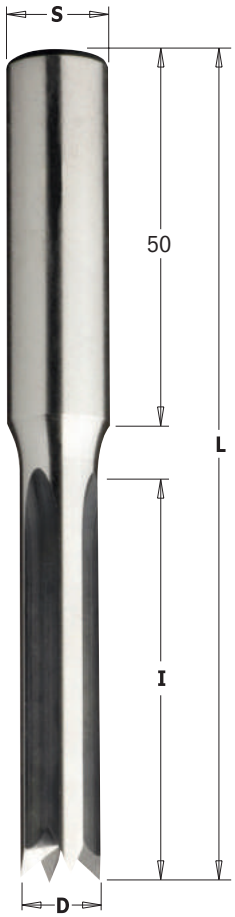
179

HSS Z2 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	90	13	1	**179.060.50**
7	50	95	13	1	**179.070.50**
8	50	95	13	1	**179.080.50**
9	55	100	13	1	**179.090.50**
10	60	105	13	1	**179.100.50**
11	65	110	13	1	**179.110.50**
12	70	115	13	1	**179.120.50**
13	75	120	13	1	**179.130.50**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 2 HSS precision ground cutting edges [Z2].

APPLICATION:
used for cutting mortise slots in soft and hardwood.
Used on machining centres equipped with chucks.



104

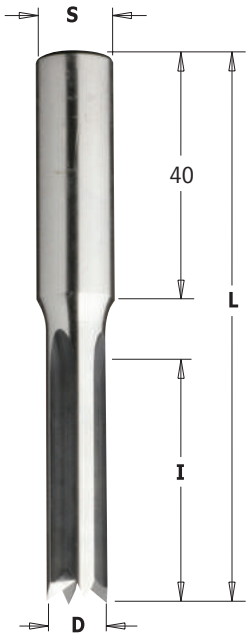
HL Z4 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	100	13	1	**104.060.30**
7	45	100	13	1	**104.070.30**
8	45	100	13	1	**104.080.30**
9	45	100	13	1	**104.090.30**
10	55	110	13	1	**104.100.30**
11	55	110	13	1	**104.110.30**
12	55	110	13	1	**104.120.30**
13	55	110	13	1	**104.130.30**
14	55	110	13	1	**104.140.30**
15	55	110	13	1	**104.150.30**
16	55	110	13	1	**104.160.30**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

APPLICATION:
used for cutting mortise slots in soft and hardwood.
Used on machining centres equipped with chucks.

Reciprocating Slot Mortising Bits



105

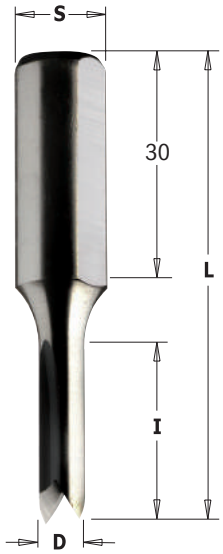
HL Z4 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	28	73	10	1	**105.060.30**
7	28	73	10	1	**105.070.30**
8	28	73	10	1	**105.080.30**
9	28	73	10	1	**105.090.30**
10	28	73	10	1	**105.100.30**
11	28	73	10	1	**105.110.30**
12	28	73	10	1	**105.120.30**
13	28	73	10	1	**105.130.30**
14	28	73	10	1	**105.140.30**
15	28	73	10	1	**105.150.30**
16	28	73	10	1	**105.160.30**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

APPLICATION:
used for cutting mortise slots in soft and hardwood.
Used on machining centres equipped with chucks.

Reciprocating Slot Mortising Bits



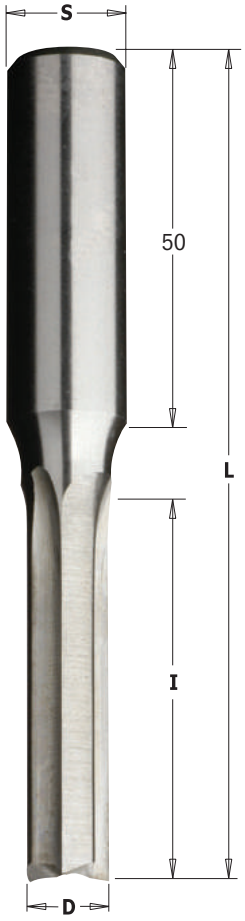
106

HL | Z2 | Z4 | LH RH

D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand & Left-hand rotation
6	25	60	12	2	1	**106.060.30**
7	25	60	12	2	1	**106.070.30**
8	25	60	12	2	1	**106.080.30**
9	25	60	12	2	1	**106.090.30**
10	25	60	12	4	1	**106.100.30**
11	25	60	12	4	1	**106.110.30**
12	25	60	12	4	1	**106.120.30**
13	25	60	12	4	1	**106.130.30**
14	25	60	12	4	1	**106.140.30**
15	25	60	12	4	1	**106.150.30**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 2 or 4 HL precision ground cutting edges [Z2-Z4].
- **Parallel shank with driving flat.**

Slot Mortising Bits



107

HL | Z3 | RH | LH

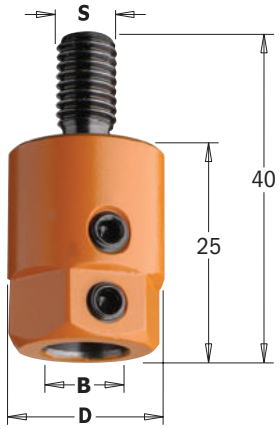
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	55	110	16	1	**107.060.31**	**107.060.32**
8	55	110	16	1	**107.080.31**	**107.080.32**
10	55	110	16	1	**107.100.31**	**107.100.32**
12	55	110	16	1	**107.120.31**	**107.120.32**
14	60	115	16	1	**107.140.31**	**107.140.32**
16	60	115	16	1	**107.160.31**	**107.160.32**
18	60	115	16	1	**107.180.31**	**107.180.32**
20	60	115	16	1	**107.200.31**	**107.200.32**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 3 HL precision ground cutting edges [Z3].

APPLICATION:
used for cutting mortise slots in soft and hardwood.
Used in maching centres equipped with chucks.

Industrial Dowel Drills

PRODUCTS	PAGE
Adapters	292~294
XTreme Solid Carbide Boring Bits	295~297
XTreme Boring Bits	298-299
Solid Carbide Twist Drills	300-301
2 Flute Dowel Drills	302-303
4 Flute Dowel Drills	304~306
Dowel Drills with Countersink	307
Through Hole Dowel Drills	308-309
Countersinks	310
Hinge Boring Bits	311~313
Dowel Drills with Threaded Shank	314~316



301

RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8	10	**301.080.01**	**301.080.02**
10	19,5	M8	10	**301.000.01**	**301.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Nottmeyer (older models).

Spare parts

990.006.00	991.062.00

302

RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10	10	**302.080.01**	**302.080.02**
10	19,5	M10	10	**302.000.01**	**302.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Ayen, Holzma, Knoevenagel, Mayer, Torwegge.

Spare parts

990.006.00	991.062.00

303

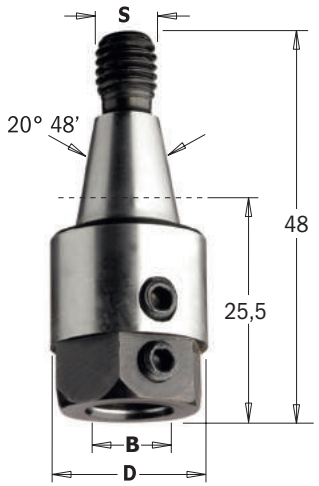
RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10/30°	10	**303.080.01**	**303.080.02**
10	19,5	M10/30°	10	**303.000.01**	**303.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Alberti (older models).
Balestrini, Bilek, Busellato (older models).
Schleicher, Vitap (older models).

Spare parts

990.006.00	991.062.00



304

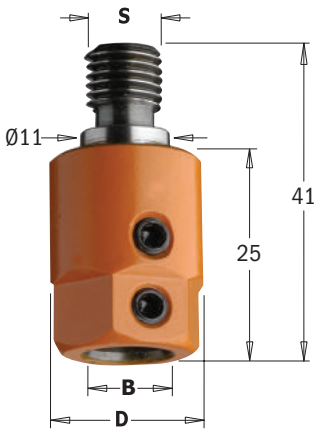
RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8/20° 48'	10	**304.080.01**	**304.080.02**
10	19,5	M8/20° 48'	10	**304.000.01**	**304.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Balestrini, Bilek.

Spare parts

990.006.00	991.062.00



305

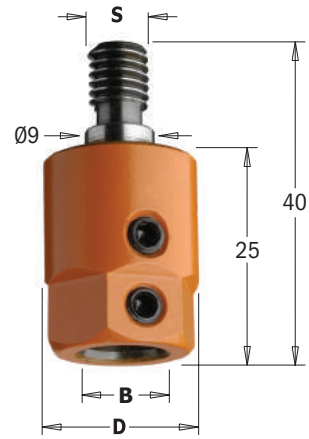
RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10/11	10	**305.080.01**	**305.080.02**
10	19,5	M10/11	10	**305.000.01**	**305.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Biesse (older models).
Masterwood (Zangheri & Boschetti).
Morbidelli, Torwegge, Vitap (new design).
Weeke.

Spare parts

990.006.00	991.062.00



358

RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8/9	10	**358.080.01**	**358.080.02**
10	19,5	M8/9	10	**358.000.01**	**358.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Masterwood (Zangheri & Boschetti).
Morbidelli, Nottmeyer (new design).

Spare parts

990.006.00	991.062.00

359

RH LH

B mm	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	19,5	M10	10	**359.000.01**	**359.000.02**

FOR USE ON THE FOLLOWING MACHINES:
Scheer.

Spare parts

990.006.00	991.062.00

360.001

RH LH

B mm	d mm	D mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	20	15	10	**360.001.01**	**360.001.02**

FOR USE ON THE FOLLOWING MACHINES:
For Biesse machines with quick drill change attachment.

Spare parts

990.007.00	991.067.00

360.101

LH RH

B mm	d mm	D mm		ORDER NO. Right-hand & Left-hand rotation
10	17,5	18	10	**360.101.00**

FOR USE ON THE FOLLOWING MACHINES:
Vitap.

Spare parts

990.015.00	991.062.00

360.201

LH RH

B mm	d mm	D mm		ORDER NO. Right-hand & Left-hand rotation
10	19,5	20	10	**360.201.00**

FOR USE ON THE FOLLOWING MACHINES:
Morbidelli.

Spare parts

990.009.00	991.067.00

360.301

LH RH

B mm	d mm	D mm		ORDER NO. Right-hand & Left-hand rotation
10	19,5	20	10	**360.301.00**

FOR USE ON THE FOLLOWING MACHINES:
Masterwood, Maggi, Griggio.

Spare parts

990.015.00	991.062.00

360.401

LH RH

B mm	d mm	D mm		ORDER NO. Right-hand & Left-hand rotation
10	20	17	10	**360.401.00**

FOR USE ON THE FOLLOWING MACHINES:
Weeke.

Spare parts

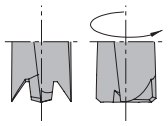
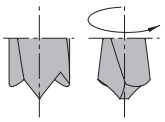
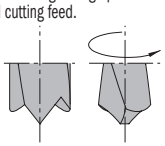
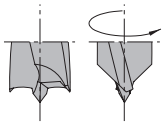
990.009.00	991.067.00

990.088

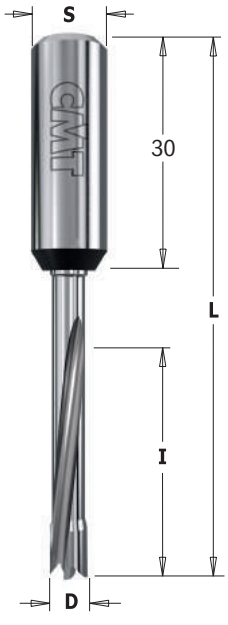
LH RH

DESCRIPTION		ORDER NO. Right-hand & Left-hand rotation
Retaining screw for Weeke machines	10	**990.088.00**

Maximizing Boring Performance

LINE	XTREME FLAT	XTREME	XTREME	INDUSTRIAL
PERFORMANCE	SUPERIOR ★★★★★	SUPERIOR ★★★★★	EXCELLENT ★★★★	VERY GOOD ★★★
BIT				
DESCRIPTION	Designed for heavy duty drilling in Large-Scale Industrial Manufacturing ensuring high impact resistance and greater durability.	Designed for heavy duty drilling in Large-Scale Industrial Manufacturing ensuring high impact resistance and greater durability.	Designed for heavy-duty to medium-duty drilling in large-scale to medium-scale industrial manufacturing ensuring high impact resistance and greater durability.	Designed for medium-duty to light-duty drilling in medium-scale to small-scale industrial manufacturing ensuring rigorous impact resistance and good durability.
USER	LARGE-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE TO MEDIUM-SCALE INDUSTRIAL MANUFACTURING	MEDIUM-SCALE TO SMALL-SCALE INDUSTRIAL MANUFACTURING
RECOMMENDED USE	INDUSTRIAL PRODUCTION	INDUSTRIAL PRODUCTION	INDUSTRIAL/REMODELER	REMODELER
MATERIALS	Ideal for chipboard, MDF, HDF and laminates. Nonprotruding center-point and spurs make this tool perfect for low-thickness panels.	Ideal for chipboard, MDF, HDF and laminates.	Excellent for both hard and soft wood. Great for chipboard, MDF, HDF and laminates.	Excellent for both hard and soft wood. Good for chipboard, MDF, and laminates.
SHARPENING & MAINTENANCE	Flat edges with reinforced spurs allow perfect finishing and prolonged drilling.  Xtreme Flat Sharpening	Specially designed reinforced spurs allow for impeccable finishing during operations involving high-speed cutting feed.  Xtreme Sharpening	Specially designed reinforced spurs allow for impeccable finishing during operations involving high-speed cutting feed.  Xtreme Sharpening	Standard design with negatively ground spurs providing good quality finishing without chipping.  Negatively Ground Spurs
CARBIDE	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE The premium quality carbide produces clean bores with no rough edges and maintains a balanced center point. In addition to its safety features, Chromium Micrograin Carbide guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings.	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE The special chromium enhanced carbide produces clean bores with no rough edges and maintains a balanced center point. In addition to its safety features, Chromium Micrograin Carbide guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings.	INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE The unique tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores.	INDUSTRIAL GRADE CARBIDE Fine and medium grain carbide grade guarantee reliable prolonged use.
COATING	✕ SOLID TUNGSTEN CARBIDE	✕ SOLID TUNGSTEN CARBIDE	C.M.T'S P.T.F.E COATING provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.	C.M.T'S P.T.F.E COATING provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.
PRICE RANGE	HIGH	HIGH	MEDIUM/HIGH	MEDIUM

Solid Carbide Dowel Drills



311.71/72 XTREME FLAT SHARPENING

HWM | LONG LIFE | Z2 | V2 | RH | LH

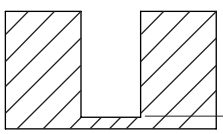
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	70	10x30	50	**311.050.71**	**311.050.72**
8	30	70	10x30	50	**311.080.71**	**311.080.72**

TECHNICAL DETAILS:
- Premium quality super strength steel for improved resistance and durability
- Premium quality HWM spiral portion
- 2 cutting edges [Z2] + 2 curved ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and adjustable screw length
- Recommended feed speed 1÷ 4m/minute –RPM 6000

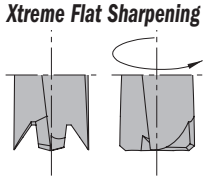
Spare parts 990.003.00

Optional 990.088.00

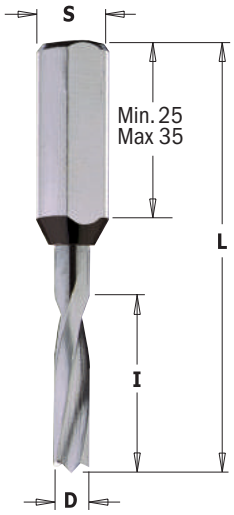
APPLICATION:
ideal for use with chipboard, MDF, HDF and laminates.
Best for boring holes in low thickness panels – no center-point or spurs.
For use with chucks and boring Adapters on boring machines


Flat sharpening with no center-point or spurs

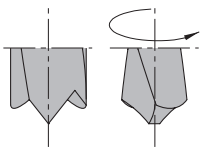
Xtreme Flat Sharpening



CMT's new high quality dowel drills guarantee excellent performance and extra-long life!



XTreme Sharpening



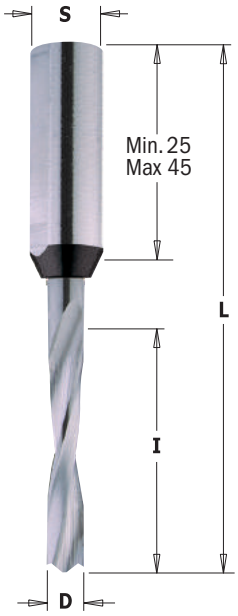
310.21/22 XTREME

HWM LONG LIFE Z2 V2 RH LH

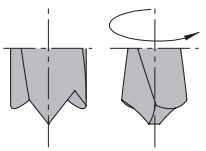
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
1,3	5	57,5	10x30	50	**310.013.20***	
2	12	57,5	10x27	50	**310.020.21**	**310.020.22**
3	9	57,5	10x35	50	**310.530.21**	**310.530.22**
3	18	57,5	10x25	50	**310.030.21**	**310.030.22**
4	20	57,5	10x25	50	**310.040.21**	**310.040.22**
5	22	57,5	10x27	50	**310.050.21**	**310.050.22**
6	22	57,5	10x27	50	**310.060.21**	**310.060.22**
6,35 (1/4")	22	57,5	10x27	50	**310.064.21**	**310.064.22**
8	22	57,5	10x25	50	**310.080.21**	**310.080.22**
10	22	57,5	10x25	50	**310.100.21**	**310.100.22**

* Boring bit for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare parts: 990.003.00 — Optional: 990.088.00



XTreme Sharpening



311.21/22 XTREME

HWM LONG LIFE Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
1,3	5	70	10x45	50	**311.013.20***	
2	12	70	10x40	50	**311.020.21**	**311.020.22**
3	18	70	10x40	50	**311.030.21**	**311.030.22**
3,5	18	70	10x40	50	**311.035.21**	**311.035.22**
4	27	70	10x28	50	**311.040.21**	**311.040.22**
5	30	70	10x28	50	**311.050.21**	**311.050.22**
6	30	70	10x27	50	**311.060.21**	**311.060.22**
6,35 (1/4")	30	70	10x30	50	**311.064.21**	**311.064.22**
8	35	70	10x25	50	**311.080.21**	**311.080.22**
10	35	70	10x25	50	**311.100.21**	**311.100.22**

* Boring bit for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- HWM spiral portion with centre point.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw length.

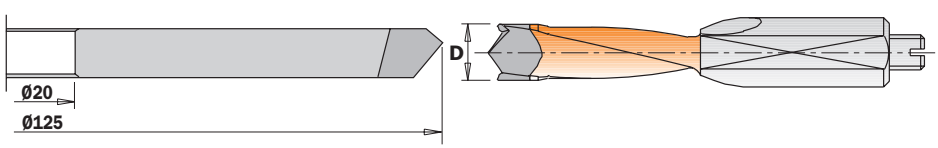
APPLICATION:
used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

Perfect for all materials and long-lasting performance!

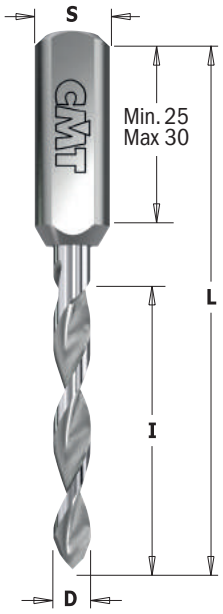
Grinding Wheels for XTreme Sharpening

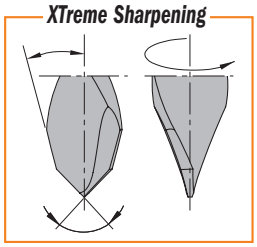
01.02

D mm	DESCRIPTION	DIMENSION mm	B mm	PACK QTY.	ORDER NO.
Ø3 a 7	Grinding wheel for resharpening	Ø125x5,5	Ø20	1	**01.02.0316**
Ø8 a 10	Grinding wheel for resharpening	Ø125x7	Ø20	1	**01.02.0317**



Solid Carbide Dowel Drills for Through Holes





314.21/22 XTREME

HWM LONG LIFE Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	27	70	10x30	50	**314.030.21**	**314.030.22**
4	35	70	10x26	50	**314.040.21**	**314.040.22**
5	35	70	10x26	50	**314.050.21**	**314.050.22**
6	35	70	10x26	50	**314.060.21**	**314.060.22**
8	35	70	10x26	50	**314.080.21**	**314.080.22**
10	35	70	10x27	50	**314.100.21**	**314.100.22**

For panels with maximum 20-30mm in thickness

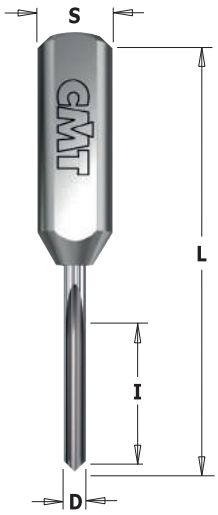
Spare parts: 990.008.00

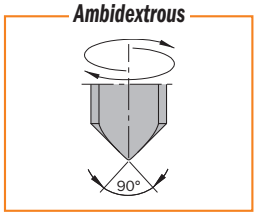
Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- HWM spiral portion with centre point.
- 2 precision ground cutting edges [Z2].
- Double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Solid Carbide Dowel Drills





382 XTREME

HWM LONG LIFE Z1 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
2	12	57,5	10x30	50	**382.2057**
2	12	70	10x42,5	50	**382.2070**
2,5	16	57,5	10x24	50	**382.2557**
2,5	16	70	10x35	50	**382.2570**
3	15	57,5	10x26	50	**382.3057**
3	25	70	10x26	50	**382.3070**
3,5	18	57,5	10x24	50	**382.3557**
3,5	18	70	10x36	50	**382.3570**
5	25	57,5	10x25	50	**382.5057**
5	35	70	10x25	50	**382.5070**

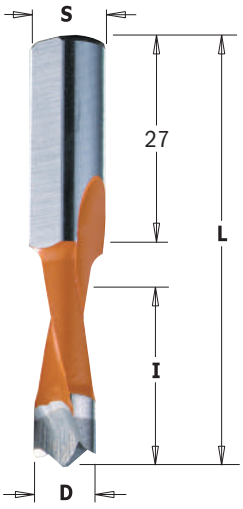
Spare parts: 990.003.00

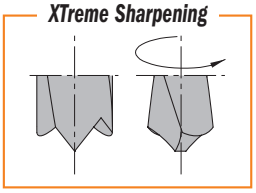
Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality HWM.
- Cutting head with precision balanced centre point.
- 1 cutting edge [Z1].
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes on solid wood, wood composites, plastic and laminated materials. For use on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or Adapters.

SECURITY TIPS:
These boring bits require more power compared to tradition dowel drills.
The number of boring bits to be used in a single drilling unit depends on the machine power.





310.41/42 XTREME

HW LONG LIFE Z2 V2 RH LH

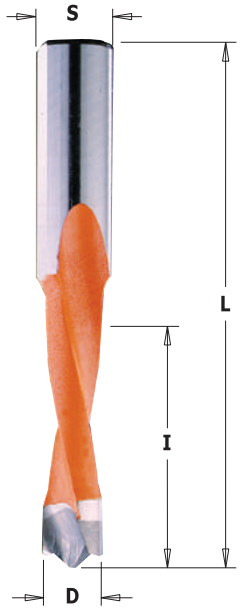
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57,5	10x27	50	**310.050.41**	**310.050.42**
6	27	57,5	10x27	50	**310.060.41**	**310.060.42**
7	27	57,5	10x27	50	**310.070.41**	**310.070.42**
8	27	57,5	10x27	50	**310.080.41**	**310.080.42**
9	27	57,5	10x27	50	**310.090.41**	**310.090.42**
10	27	57,5	10x27	50	**310.100.41**	**310.100.42**

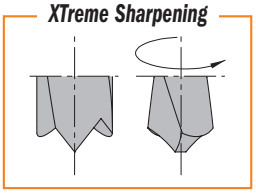
TECHNICAL DETAILS:
- Premium quality super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw length.

Spare parts: 990.003.00 — Optional: 990.088.00

APPLICATION:
used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills





311.41/42 XTREME

HW LONG LIFE Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x30	50	**311.050.41**	**311.050.42**
6	35	70	10x30	50	**311.060.41**	**311.060.42**
7	35	70	10x30	50	**311.070.41**	**311.070.42**
8	35	70	10x30	50	**311.080.41**	**311.080.42**
new 8	45	70	10x19	50	**311.580.41***	**311.580.42***
9	35	70	10x30	50	**311.090.41**	**311.090.42**
10	35	70	10x30	50	**311.100.41**	**311.100.42**

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw length.

Spare parts: 990.003.00 — Optional: 990.088.00

APPLICATION:
used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

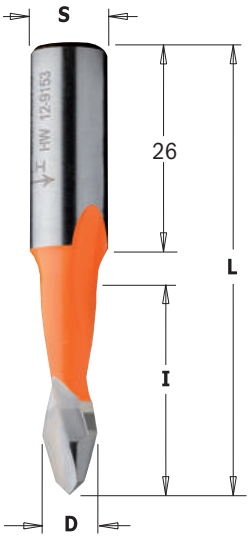
* Drill bits designed to fit Häfele one-piece Ixconnect SC 8/60 spreading connector.

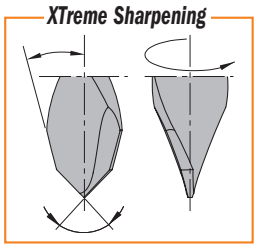
Perfect for all materials and long-lasting performance!

CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line.
These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxemburg.

The entire series offers several design features:
- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough edges. Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

It lasts longer between sharpenings;
- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.





313.41/42 XTREME

HW LONG LIFE Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57,5	10x26	50	**313.050.41**	**313.050.42**
8	27	57,5	10x26	50	**313.080.41**	**313.080.42**

For panels with maximum 20mm in thickness

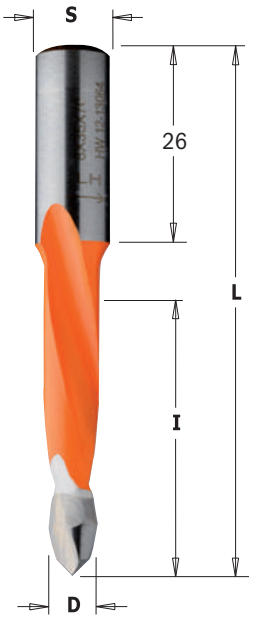
Spare parts 990.003.00

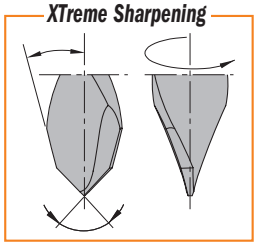
Optional 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- Double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills for Through Holes





314.41/42 XTREME

HW LONG LIFE Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x26	50	**314.050.41**	**314.050.42**
6	35	70	10x26	50	**314.060.41**	**314.060.42**
7	35	70	10x26	50	**314.070.41**	**314.070.42**
8	35	70	10x26	50	**314.080.41**	**314.080.42**
10	35	70	10x26	50	**314.100.41**	**314.100.42**

For panels with maximum 30mm in thickness

Spare parts 990.003.00

Optional 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- Double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

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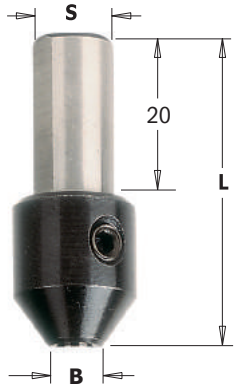
These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxemburg.

The entire series offers several design features:
- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough edges. Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

It lasts longer between sharpenings;
- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.

Adapters for Twist Drills



364

B mm	L mm	S mm			ORDER NO.	
2	38	10x20		10	**364.020.00**	
2,5	38	10x20		10	**364.025.00**	
3	38	10x20		10	**364.030.00**	
3,2	38	10x20		10	**364.032.00**	
3,5	38	10x20		10	**364.035.00**	
4	38	10x20		10	**364.040.00**	
4,5	38	10x20		10	**364.045.00**	
5	38	10x20		10	**364.050.00**	

For use with the following items: 363 HWM

Spare parts

990.001.00 | 991.062.00

TECHNICAL DETAILS:
- Super-strength steel.
- Quick and secure assembly on twist drills.
- Precision relief.
- Parallel shank with driving flat.

APPLICATION:
for use with twist drills with common shank and bushing diameter.
Used on boring machines equipped with Adapter chucks.

Bushings for Twist Drills

365

B mm	L mm	S mm			ORDER NO.	
2	23	10		50	**365.020.00**	
2,5	23	10		50	**365.025.00**	
3	23	10		50	**365.030.00**	
3,2	23	10		50	**365.032.00**	
3,5	23	10		50	**365.035.00**	
4	23	10		50	**365.040.00**	
4,5	23	10		50	**365.045.00**	
5	23	10		50	**365.050.00**	
6	23	10		50	**365.060.00**	

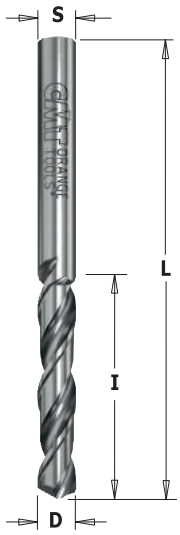
For use with the following items: 363 HWM

TECHNICAL DETAILS:
- Super-strength steel.
- Shank with driving flat.
- Axial cuttings for cylindrical drill clamps.

APPLICATION:
used with spiral boring bits with shank diameters equal to the bushing diameter. Used on boring machines equipped with Adapters.

Assembly Illustration

Solid Carbide Twist Drills “V” Point Sharpening



“V” Point 120°

363

HWM LONG LIFE Z2 RH LH

S=D mm	I mm	L mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	25	50		50	**363.020.11**	**363.020.12**
2,5	27	55		50	**363.025.11**	**363.025.12**
3	27	55		50	**363.030.11**	**363.030.12**
3,2	27	55		50	**363.032.11**	**363.032.12**
3,5	27	55		50	**363.035.11**	**363.035.12**
4	27	55		50	**363.040.11**	**363.040.12**
4,5	28	60		50	**363.045.11**	**363.045.12**
5	28	60		50	**363.050.11**	**363.050.12**

For use with the following items: 364-365

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Common shank and drilling diameter (S=D).

APPLICATION:
used in Adapter bushings.

Solid Carbide Twist Drills “V” Point 60° Sharpening

“V” Point 60°

363

HWM LONG LIFE Z2 RH LH

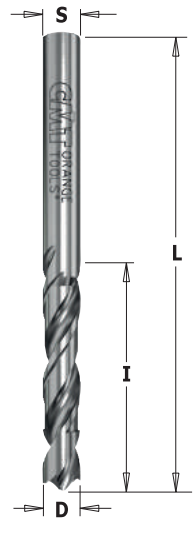
S=D mm	I mm	L mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2,5	27	55		50	**363.025.41**	**363.025.42**
3	27	55		50	**363.030.41**	**363.030.42**
3,5	27	55		50	**363.035.41**	**363.035.42**
4	27	55		50	**363.040.41**	**363.040.42**

For use with the following items: 364-365

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Common shank and drilling diameter (S=D).

APPLICATION:
used in Adapter bushings.

Solid Carbide Twist Drills Negatively Ground Spurs Sharpening



X-Treme Sharpening

363

HWM LONG LIFE Z2 RH LH

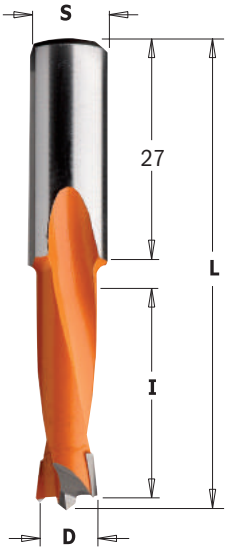
S=D mm	I mm	L mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2,5	27	55		50	**363.025.21**	**363.025.22**
3	27	55		50	**363.030.21**	**363.030.22**
4	27	55		50	**363.040.21**	**363.040.22**
5	28	60		50	**363.050.21**	**363.050.22**

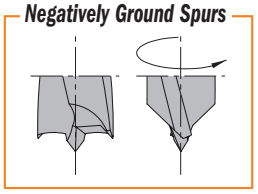
For use with the following items: 364-365

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Common shank and drilling diameter (S=D).

APPLICATION:
used in Adapter bushings.

2 Flute Dowel Drills





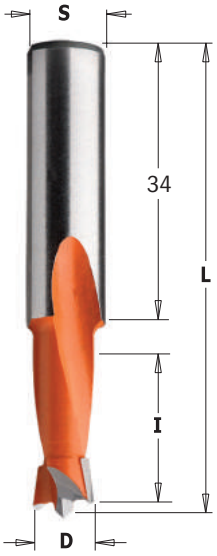
310

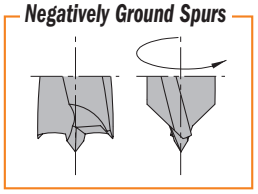
HW Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	27	57,5	10x27	50	**310.040.11**	**310.040.12**
4,5	27	57,5	10x27	50	**310.045.11**	**310.045.12**
4,76	27	57,5	10x27	50	**310.047.11**	**310.047.12**
5	27	57,5	10x27	50	**310.050.11**	**310.050.12**
5,1	27	57,5	10x27	50	**310.051.11**	**310.051.12**
5,2	27	57,5	10x27	50	**310.052.11**	**310.052.12**
5,55	27	57,5	10x27	50	**310.055.11**	**310.055.12**
6	27	57,5	10x27	50	**310.060.11**	**310.060.12**
6,35	27	57,5	10x27	50	**310.064.11**	**310.064.12**
6,5	27	57,5	10x27	50	**310.065.11**	**310.065.12**
7	27	57,5	10x27	50	**310.070.11**	**310.070.12**
8	27	57,5	10x27	50	**310.080.11**	**310.080.12**
8,2	27	57,5	10x27	50	**310.082.11**	**310.082.12**
9	27	57,5	10x27	50	**310.090.11**	**310.090.12**
9,52	27	57,5	10x27	50	**310.095.11**	**310.095.12**
10	27	57,5	10x27	50	**310.100.11**	**310.100.12**
11	27	57,5	10x27	10	**310.110.11**	**310.110.12**
12	27	57,5	10x27	10	**310.120.11**	**310.120.12**
12,7	27	57,5	10x27	10	**310.127.11**	**310.127.12**
13	27	57,5	10x27	10	**310.130.11**	**310.130.12**
14	27	57,5	10x27	10	**310.140.11**	**310.140.12**
15	27	57,5	10x27	10	**310.150.11**	**310.150.12**
16	27	57,5	10x27	10	**310.160.11**	**310.160.12**

Spare parts: 990.003.00 — Optional: 990.088.00

2 Flute Dowel Drills





361

HW Z2 V2 RH LH

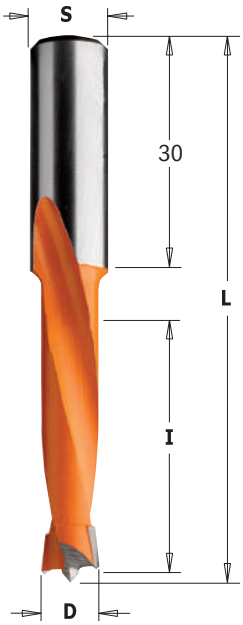
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	18	57,5	10x34	50	**361.050.11**	**361.050.12**
6	18	57,5	10x34	50	**361.060.11**	**361.060.12**
7	18	57,5	10x34	50	**361.070.11**	**361.070.12**
8	18	57,5	10x34	50	**361.080.11**	**361.080.12**
10	18	57,5	10x34	50	**361.100.11**	**361.100.12**

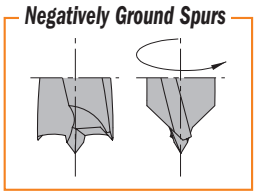
Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2]
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines equipped with Adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

2 Flute Dowel Drills





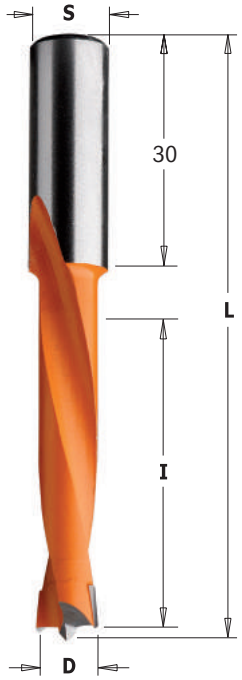
311

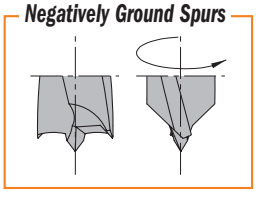
HW Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	35	70	10x30	50	**311.040.11**	**311.040.12**
4,5	35	70	10x30	50	**311.045.11**	**311.045.12**
4,76	35	70	10x30	50	**311.047.11**	**311.047.12**
5	35	70	10x30	50	**311.050.11**	**311.050.12**
5,1	35	70	10x30	50	**311.051.11**	**311.051.12**
5,2	35	70	10x30	50	**311.052.11**	**311.052.12**
5,55	35	70	10x30	50	**311.055.11**	**311.055.12**
6	35	70	10x30	50	**311.060.11**	**311.060.12**
6,35	35	70	10x30	50	**311.064.11**	**311.064.12**
6,5	35	70	10x30	50	**311.065.11**	**311.065.12**
7	35	70	10x30	50	**311.070.11**	**311.070.12**
8	35	70	10x30	50	**311.080.11**	**311.080.12**
8,2	35	70	10x30	50	**311.082.11**	**311.082.12**
9	35	70	10x30	50	**311.090.11**	**311.090.12**
9,52	35	70	10x30	50	**311.095.11**	**311.095.12**
10	35	70	10x30	50	**311.100.11**	**311.100.12**
11	35	70	10x30	10	**311.110.11**	**311.110.12**
11,1	35	70	10x30	10	**311.111.11**	**311.111.12**
12	35	70	10x30	10	**311.120.11**	**311.120.12**
12,7	35	70	10x30	10	**311.127.11**	**311.127.12**
13	35	70	10x30	10	**311.130.11**	**311.130.12**
14	35	70	10x30	10	**311.140.11**	**311.140.12**
15	35	70	10x30	10	**311.150.11**	**311.150.12**
16	35	70	10x30	10	**311.160.11**	**311.160.12**

Spare parts 990.003.00 Optional 990.088.00

2 Flute Dowel Drills





362

HW Z2 V2 RH LH

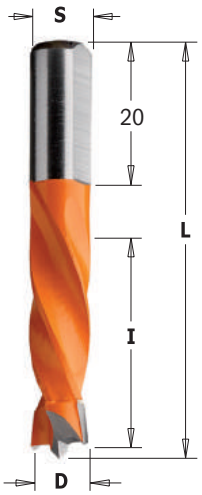
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	44	77	10x30	50	**362.050.11**	**362.050.12**
6	44	77	10x30	50	**362.060.11**	**362.060.12**
7	44	77	10x30	50	**362.070.11**	**362.070.12**
8	44	77	10x30	50	**362.080.11**	**362.080.12**
10	44	77	10x30	50	**362.100.11**	**362.100.12**
12	44	77	10x30	10	**362.120.11**	**362.120.12**

Spare parts 990.003.00 Optional 990.088.00

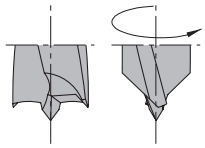
TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines equipped with Adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

4 Flute Dowel Drills



Negatively Ground Spurs



306

HW HWM Z2 V2 RH LH

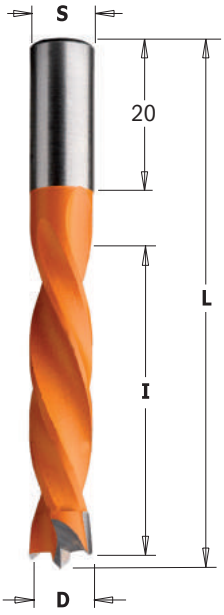
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
• 3	18	55,5	8x20	50	**306.030.21**	
5	30	55,5	8x20	50	**306.050.11**	**306.050.12**
5,55	30	55,5	8x20	50	**306.055.11**	**306.055.12**
6	30	55,5	8x20	50	**306.060.11**	**306.060.12**
6,35	30	55,5	8x20	50	**306.064.11**	**306.064.12**
7	30	55,5	8x20	50	**306.070.11**	**306.070.12**
8	30	55,5	8x20	50	**306.080.11**	**306.080.12**
9	30	55,5	8x20	50	**306.090.11**	**306.090.12**
10	30	55,5	8x20	50	**306.100.11**	**306.100.12**
12	30	55,5	8x20	50	**306.120.11**	**306.120.12**

• **HWM**

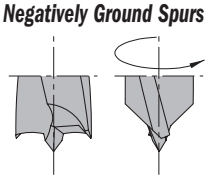
Spare parts 990.003.00

Optional 990.088.00

4 Flute Dowel Drills



Negatively Ground Spurs



307

HW Z2 V2 RH LH

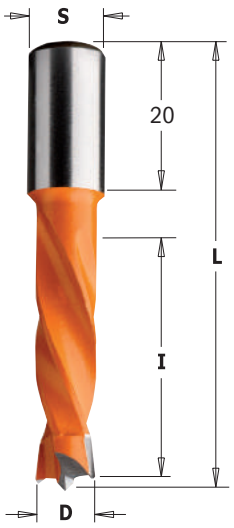
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	40	67	8x20	50	**307.050.11**	**307.050.12**
5,55	40	67	8x20	50	**307.055.11**	**307.055.12**
6	40	67	8x20	50	**307.060.11**	**307.060.12**
6,35	40	67	8x20	50	**307.064.11**	**307.064.12**
7	40	67	8x20	50	**307.070.11**	**307.070.12**
8	40	67	8x20	50	**307.080.11**	**307.080.12**
9	40	67	8x20	50	**307.090.11**	**307.090.12**
9,52	40	67	8x20	50	**307.095.11**	**307.095.12**
10	40	67	8x20	50	**307.100.11**	**307.100.12**
12	40	67	8x20	10	**307.120.11**	**307.120.12**

Spare parts 990.003.00

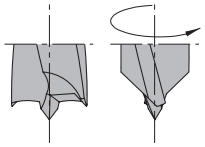
Optional 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines equipped with Adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



Negatively Ground Spurs



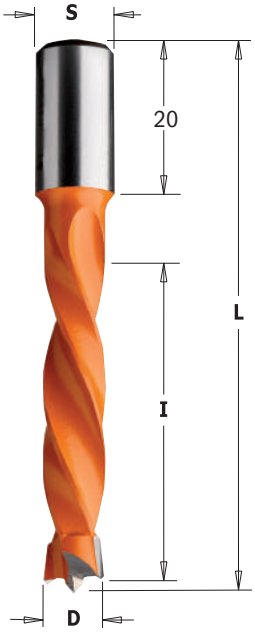
308

HW Z2 V2 RH LH

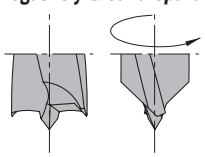
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	26	57,5	10x20	50	**308.040.11**	**308.040.12**
5	30	57,5	10x20	50	**308.050.11**	**308.050.12**
6	30	57,5	10x20	50	**308.060.11**	**308.060.12**
6,35	30	57,5	10x20	50	**308.064.11**	**308.064.12**
7	30	57,5	10x20	50	**308.070.11**	**308.070.12**
8	30	57,5	10x20	50	**308.080.11**	**308.080.12**
9	30	57,5	10x20	50	**308.090.11**	**308.090.12**
9,52	30	57,5	10x20	50	**308.095.11**	**308.095.12**
10	30	57,5	10x20	50	**308.100.11**	**308.100.12**
11	30	57,5	10x20	10	**308.110.11**	**308.110.12**
12	30	57,5	10x20	10	**308.120.11**	**308.120.12**
12,7	30	57,5	10x20	10	**308.127.11**	**308.127.12**
13	30	57,5	10x20	10	**308.130.11**	**308.130.12**
14	30	57,5	10x20	10	**308.140.11**	**308.140.12**
15	30	57,5	10x20	10	**308.150.11**	**308.150.12**
16	30	57,5	10x20	10	**308.160.11**	**308.160.12**

Spare parts: 990.003.00 — Optional: 990.088.00

4 Flute Dowel Drills



Negatively Ground Spurs



309

HW Z2 V2 RH LH

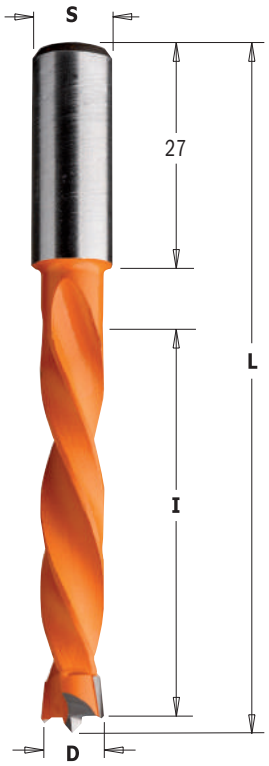
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	43	70	10x20	50	**309.040.11**	**309.040.12**
5	43	70	10x20	50	**309.050.11**	**309.050.12**
6	43	70	10x20	50	**309.060.11**	**309.060.12**
6,35	43	70	10x20	50	**309.064.11**	**309.064.12**
7	43	70	10x20	50	**309.070.11**	**309.070.12**
7,5	43	70	10x20	50	**309.075.11**	**309.075.12**
8	43	70	10x20	50	**309.080.11**	**309.080.12**
9	43	70	10x20	50	**309.090.11**	**309.090.12**
9,52	43	70	10x20	50	**309.095.11**	**309.095.12**
10	43	70	10x20	50	**309.100.11**	**309.100.12**
11	43	70	10x20	10	**309.110.11**	**309.110.12**
12	43	70	10x20	10	**309.120.11**	**309.120.12**
12,7	43	70	10x20	10	**309.127.11**	**309.127.12**
13	43	70	10x20	10	**309.130.11**	**309.130.12**
14	43	70	10x20	10	**309.140.11**	**309.140.12**
15	43	70	10x20	10	**309.150.11**	**309.150.12**
16	43	70	10x20	10	**309.160.11**	**309.160.12**

Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines equipped with Adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

4 Flute Dowel Drills



373

HW Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	50	85	10x27	50	**373.050.11**	**373.050.12**
6	50	85	10x27	50	**373.060.11**	**373.060.12**
7	50	85	10x27	50	**373.070.11**	**373.070.12**
8	50	85	10x27	50	**373.080.11**	**373.080.12**
10	50	85	10x27	50	**373.100.11**	**373.100.12**
12	50	85	10x27	10	**373.120.11**	**373.120.12**

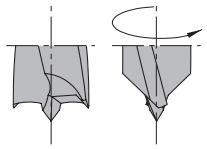
TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts
990.003.00

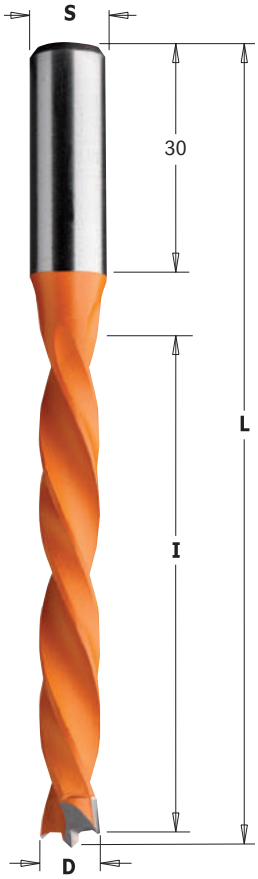
Optional
990.088.00

APPLICATION:
used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Negatively Ground Spurs



4 Flute Dowel Drills



372

HW Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	65	105	10x30	10	**372.050.11**	**372.050.12**
6	65	105	10x30	10	**372.060.11**	**372.060.12**
7	65	105	10x30	10	**372.070.11**	**372.070.12**
8	65	105	10x30	10	**372.080.11**	**372.080.12**
10	65	105	10x30	10	**372.100.11**	**372.100.12**
12	65	105	10x30	10	**372.120.11**	**372.120.12**

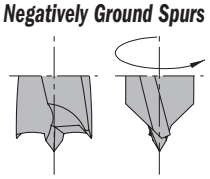
TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts
990.003.00

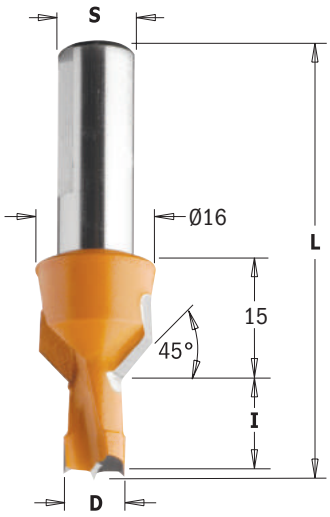
Optional
990.088.00

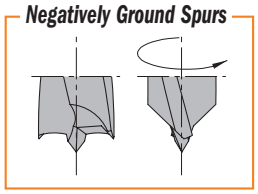
APPLICATION:
used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Negatively Ground Spurs



Dowel Drills with Countersink





376-377

HW Z2 V2 RH LH

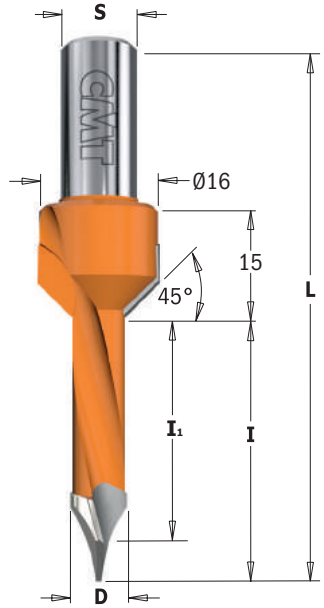
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	12	57,5	10	10	**376.080.11**	**376.080.12**
8	13	57,5	10	10	**376.083.11**	**376.083.12**
8	15	57,5	10	10	**376.081.11**	**376.081.12**
8	20	57,5	10	10	**376.082.11**	**376.082.12**
10	12	57,5	10	10	**376.100.11**	**376.100.12**
10	13	57,5	10	10	**376.103.11**	**376.103.12**
10	15	57,5	10	10	**376.101.11**	**376.101.12**
10	20	57,5	10	10	**376.102.11**	**376.102.12**
8	12	70	10	10	**377.080.11**	**377.080.12**
8	13	70	10	10	**377.083.11**	**377.083.12**
8	15	70	10	10	**377.081.11**	**377.081.12**
8	20	70	10	10	**377.082.11**	**377.082.12**
10	12	70	10	10	**377.100.11**	**377.100.12**
10	13	70	10	10	**377.103.11**	**377.103.12**
10	15	70	10	10	**377.101.11**	**377.101.12**
10	20	70	10	10	**377.102.11**	**377.102.12**

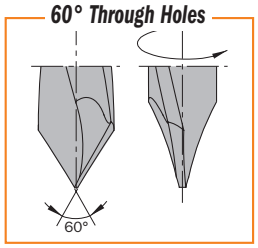
TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts 990.003.00 *Optional* 990.088.00

APPLICATION:
used for drilling and countersinking in solid wood, wood composites, plastic and laminated materials. Suitable for high performance speed on boring machines equipped with adapters or chucks.

Dowel Drills for Through Holes with Countersink





378

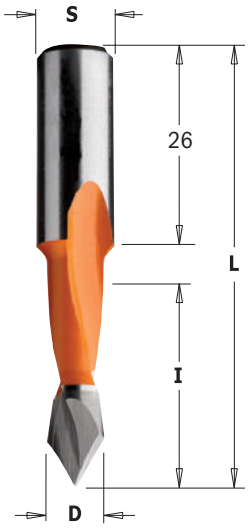
HW Z2 V2 RH LH

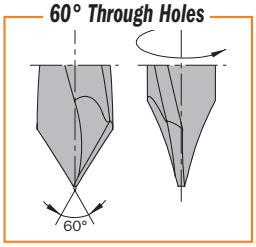
D mm	I mm	I1 mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	31	70	10	10	**378.052.11**	**378.052.12**
7	35	29,5	70	10	10	**378.072.11**	**378.072.12**
8	35	29	70	10	10	**378.082.11**	**378.082.12**
10	35	26,5	70	10	10	**378.102.11**	**378.102.12**

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts 990.003.00 *Optional* 990.088.00

APPLICATION:
used for drilling and countersinking in solid wood, wood composites, plastic and laminated materials. Suitable for high performance speed on boring machines equipped with adapters or chucks.





313

HW Z2 RH LH

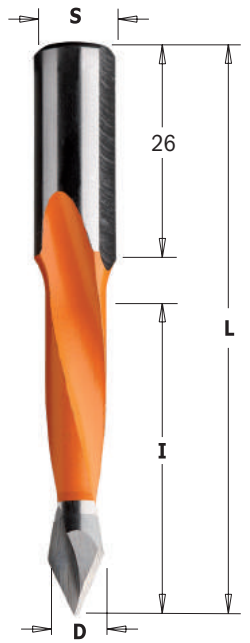
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57,5	10x26	50	**313.050.11**	**313.050.12**
6	27	57,5	10x26	50	**313.060.11**	**313.060.12**
8	27	57,5	10x26	50	**313.080.11**	**313.080.12**
10	27	57,5	10x26	50	**313.100.11**	**313.100.12**

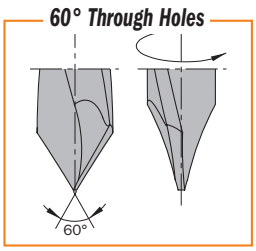
For panels with maximum 20mm in thickness.

Spare parts 990.003.00 — Optional 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.





314

HW Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	30	70	10x26	50	**314.040.11**	**314.040.12**
4,76	35	70	10x26	50	**314.047.11**	**314.047.12**
5	35	70	10x26	50	**314.050.11**	**314.050.12**
5,55	35	70	10x26	50	**314.055.11**	**314.055.12**
6	35	70	10x26	50	**314.060.11**	**314.060.12**
6,35	35	70	10x26	50	**314.064.11**	**314.064.12**
7	35	70	10x26	50	**314.070.11**	**314.070.12**
8	35	70	10x26	50	**314.080.11**	**314.080.12**
9	35	70	10x26	50	**314.090.11**	**314.090.12**
9,52	35	70	10x26	50	**314.095.11**	**314.095.12**
10	35	70	10x26	50	**314.100.11**	**314.100.12**
12	35	70	10x26	10	**314.120.11**	**314.120.12**
12,7	35	70	10x26	10	**314.127.11**	**314.127.12**

For panels with maximum 25-30mm in thickness.

366

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	44	77	10x26	50	**366.050.11**	**366.050.12**
6	44	77	10x26	50	**366.060.11**	**366.060.12**
8	44	77	10x26	50	**366.080.11**	**366.080.12**
10	44	77	10x26	50	**366.100.11**	**366.100.12**
12	44	77	10x26	10	**366.120.11**	**366.120.12**

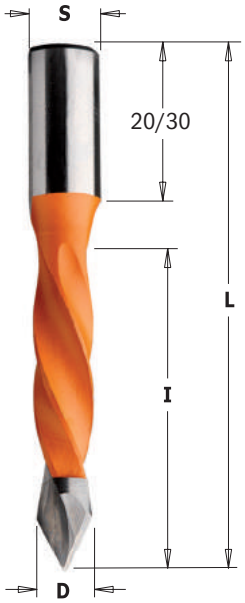
For panels with maximum 30-40mm in thickness.

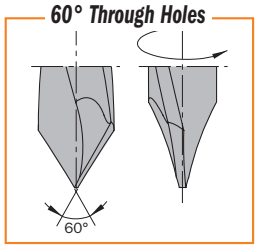
Spare parts 990.003.00 — Optional 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

4 Flute Dowel Drills for Through Holes





HW Z2 RH LH

374 For panels with maximum 20-25mm in thickness.

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	57,5	10x20	50	**374.050.11**	**374.050.12**
8	30	57,5	10x20	50	**374.080.11**	**374.080.12**

375 For panels with maximum 30-35mm in thickness.

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	40	70	10x20	50	**375.040.11**	**375.040.12**
5	40	70	10x20	50	**375.050.11**	**375.050.12**
6	40	70	10x20	50	**375.060.11**	**375.060.12**
7	40	70	10x20	50	**375.070.11**	**375.070.12**
8	40	70	10x20	50	**375.080.11**	**375.080.12**
9	40	70	10x20	50	**375.090.11**	**375.090.12**
10	40	70	10x20	50	**375.100.11**	**375.100.12**

381 For panels with maximum 60-65mm in thickness.

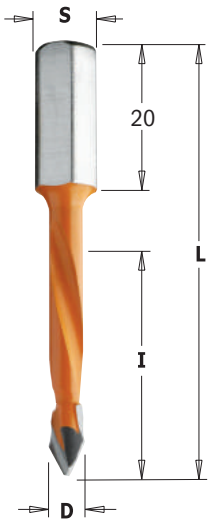
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	70	115	10x30	10	**381.050.11**	**381.050.12**
6	70	115	10x30	10	**381.060.11**	**381.060.12**
8	70	115	10x30	10	**381.080.11**	**381.080.12**
10	70	115	10x30	10	**381.100.11**	**381.100.12**

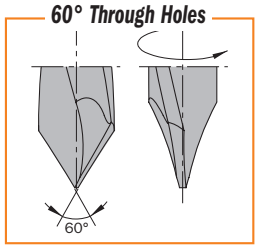
TECHNICAL DETAILS:
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2] - 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

Spare parts: 990.003.00
Optional: 990.088.00

APPLICATION:
used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

2 Flute Dowel Drills for Through Holes





HW Z2 RH LH

367

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	56	8x20	50	**367.050.11**	**367.050.12**
8	30	56	8x20	50	**367.080.11**	**367.080.12**

For panels with maximum 20-25mm in thickness.

368

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	70	8x20	50	**368.050.11**	**368.050.12**
6	43	70	8x20	50	**368.060.11**	**368.060.12**
7	43	70	8x20	50	**368.070.11**	**368.070.12**
8	43	70	8x20	50	**368.080.11**	**368.080.12**

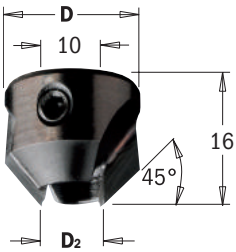
For panels with maximum 35-40mm in thickness

Spare parts: 990.003.00
Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Countersinks for 2 Flutes Dowel Drills



315

HW Z2 RH LH

D2 mm	D mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5 ~ 10	20			10	**315.200.11**	**315.200.12**
11 ~ 12	22			10	**315.220.11**	**315.220.12**

315 Assembly Illustration

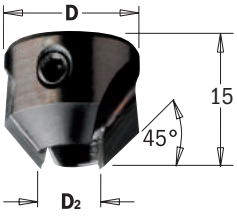
Technical details:
- Super-strength steel.
- 2 precision ground carbide tipped cutting edges [Z2].
- Direct clamp on the shank of the drills.

Application:
used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

Spare parts

990.06.00	991.062.00

Countersinks for 4 Flutes Dowel Drills



316

HW Z2 RH LH

D2 mm	D mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	16			10	**316.040.11**	**316.040.12**
5	16			10	**316.050.11**	**316.050.12**
6	16			10	**316.060.11**	**316.060.12**
7	16			10	**316.070.11**	**316.070.12**
8	18			10	**316.080.11**	**316.080.12**
9	18			10	**316.090.11**	**316.090.12**
10	20			10	**316.100.11**	**316.100.12**
12	20			10	**316.120.11**	**316.120.12**

316 Assembly Illustration

Technical details:
- Super-strength steel.
- 2 HW precision ground cutting edges [Z2].

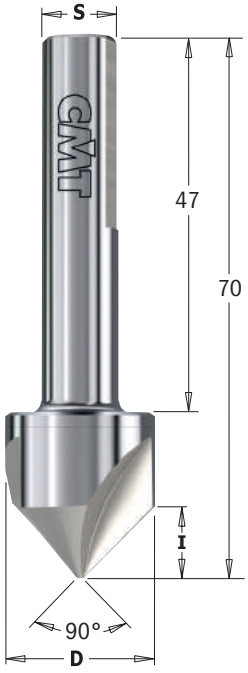
Application:
used for drilling and chamfering in solid wood, wood composites, plastic and laminated materials.

Spare parts

990.002.00	991.062.00

3-Flute Solid Carbide Countersink 90°

new



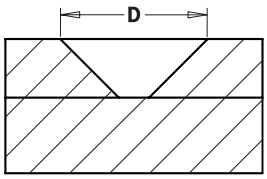
521

HWM Z3 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
19,5	9	70	10x47	10	**521.002.21**

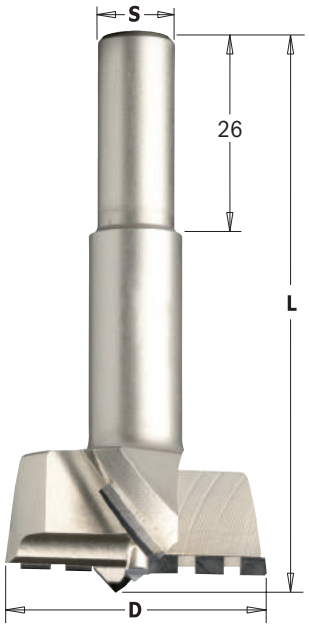
Technical details:
- Super strength steel.
- 3 HWM precision ground cutting edges [Z3].

Application: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials. To use on boring machines and CNC.



LINE	XTREME DIAMOND	XTREME FLAT	INDUSTRIAL with chipbreaker	INDUSTRIAL
PERFORMANCE	SUPERIOR ★★★★★	SUPERIOR ★★★★	EXCELLENT ★★★	VERY GOOD ★★★
BIT				
DESCRIPTION	Designed for heavy duty drilling in Large-Scale Industrial Manufacturing ensuring high impact resistance, greater durability and good chip evacuation thanks to the chipbreaker.	Designed for heavy duty drilling in Large-Scale Industrial Manufacturing ensuring high impact resistance and greater durability.	Designed for medium-duty to light-duty drilling in medium-scale to small-scale industrial manufacturing ensuring good chip evacuation thanks to the chipbreaker.	Designed for medium-duty to light-duty drilling in medium-scale to small-scale industrial manufacturing ensuring rigorous impact resistance and good durability.
USER	LARGE-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE TO MEDIUM-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE TO MEDIUM-SCALE INDUSTRIAL MANUFACTURING
RECOMMENDED USE	INDUSTRIAL PRODUCTION	INDUSTRIAL PRODUCTION	INDUSTRIAL/REMODELER	INDUSTRIAL/REMODELER
MATERIALS	Ideal for chipboard, MDF, HDF, laminates and abrasive panels where long lifetime is required.	Ideal for chipboard, MDF, HDF and laminates. Non-protruding center-point and spurs make this tool perfect for low-thickness panels.	Excellent for solid wood. Good for chipboard, MDF, HDF and laminates.	Excellent for solid wood. Good for chipboard, MDF, HDF and laminates.
SHARPENING & MAINTENANCE	NEGATIVELY GROUND SPURS: standard design with HW head with precision balanced centre point, 2 HW precision ground cutting edges with chipbreaker and 2 negatively ground spurs.	XTREME FLAT SHARPENING: flat edges with reinforced spurs allow perfect finishing and prolonged drilling at high-speed cutting feed.	NEGATIVELY GROUND SPURS: standard design with HW head with precision balanced centre point, 2 HW precision ground cutting edges with chipbreaker and 2 negatively ground spurs.	NEGATIVELY GROUND SPURS: standard design with HW head with precision balanced centre point, 2 HW precision ground cutting edges and 2 negatively ground spurs.
DIAMOND/ CARBIDE	The special polycrystalline diamond formula increases tool life up to 20 times longer than HW hinge bits. Good number of resharpenings guaranteed. The best quality/price ratio	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE The special chromium enhanced carbide produces clean bores with no rough edges even in the corners. In addition Chromium Micrograin Carbide guarantees exceptional resistance to fatigue and abrasion for longer lifetime.	INDUSTRIAL GRADE CARBIDE Fine and medium grain carbide grade guarantee reliable prolonged use.	INDUSTRIAL GRADE CARBIDE Fine and medium grain carbide grade guarantee reliable prolonged use.
COATING	High-quality nickel-plated with anti-friction and anti-corrosion properties.	C.M.T's P.T.F.E coating provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.	C.M.T's P.T.F.E coating provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.	C.M.T's P.T.F.E coating provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.
PRICE RANGE	HIGH	MEDIUM/HIGH	MEDIUM	MEDIUM

DP Hinge Boring Bits with Chipbreaker



317-369

DP | LONG LIFE | Z2R | V2 | RH | LH | 20X LONGER LIFE THAN CARBIDE

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15*	57,5	10x26	10	**317.150.61**	**317.150.62**
35	57,5	10x26	10	**317.350.61**	**317.350.62**
15*	70	10x26	10	**369.150.61**	**369.150.62**
35	70	10x26	10	**369.350.61**	**369.350.62**

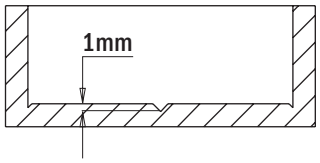
*without chipbreaker

Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- DP head with precision balanced centre point.
- 2 DP precision ground cutting edges with chipbreaker [Z2R].
- 2 DP negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

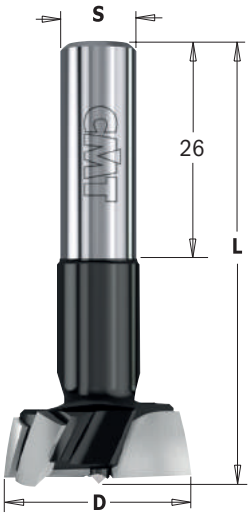
APPLICATION:
ideal for hinges. Use on boring machines equipped with adapters or chucks.
Use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials. Boring performance 20 times longer than HW materials.

REMARK: ***special dimensions available on request.***



New construction with 1mm centre point

Hinge Boring Bits



317 XTREME

HW Z2 V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	57,5	10x26	10	**317.150.41**	**317.150.42**
18	57,5	10x26	10	**317.180.41**	**317.180.42**
20	57,5	10x26	10	**317.200.41**	**317.200.42**
25	57,5	10x26	10	**317.250.41**	**317.250.42**
26	57,5	10x26	10	**317.260.41**	**317.260.42**
35*	57,5	10x26	10	**317.350.41**	**317.350.42**

369 XTREME

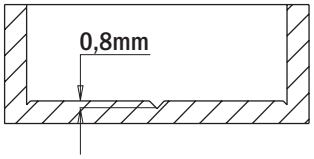
HW Z2 V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	70	10x26	10	**369.150.41**	**369.150.42**
18	70	10x26	10	**369.180.41**	**369.180.42**
20	70	10x26	10	**369.200.41**	**369.200.42**
25	70	10x26	10	**369.250.41**	**369.250.42**
26	70	10x26	10	**369.260.41**	**369.260.42**
35*	70	10x26	10	**369.350.41**	**369.350.42**

*with chipbreaker

XTreme Sharpening Curved Spurs

New construction with 0,8mm centre point

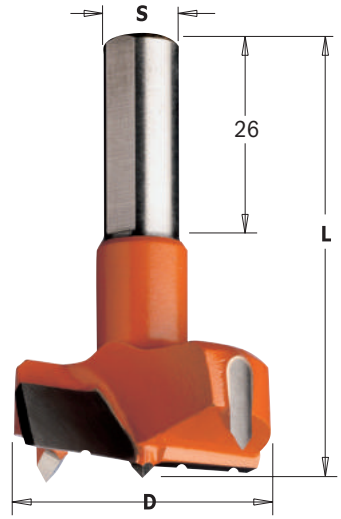


Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

Hinge Boring Bits with Chipbreaker

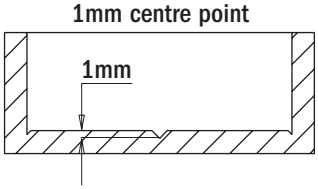


317C - 369C

HW Z2R V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
35	57,5	10x26	10	**317.350.11C**	**317.350.12C**
40	57,5	10x26	10	**317.400.11C**	**317.400.12C**
45	57,5	10x26	10	**317.450.11C**	**317.450.12C**
35	70	10x26	10	**369.350.11C**	**369.350.12C**
40	70	10x26	10	**369.400.11C**	**369.400.12C**
45	70	10x26	10	**369.450.11C**	**369.450.12C**

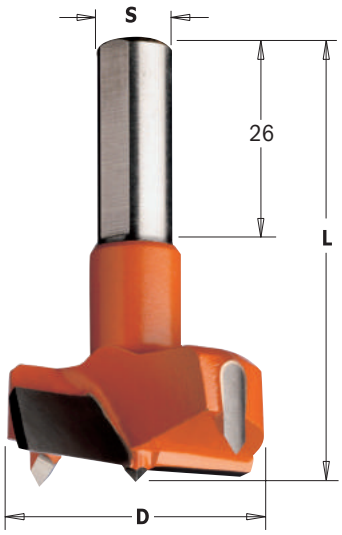
New construction with 1mm centre point



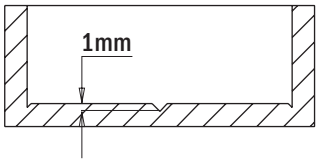
Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges with chipbreaker [Z2R].
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
ideal for hinges. Used on boring machines equipped with adapters or chucks.
For drilling accurate and clean-cut blind holes in solid wood.



New construction with
1mm centre point



317

HW Z2 V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
14	57,5	10x26	10	**317.140.11**	**317.140.12**
15	57,5	10x26	10	**317.150.11**	**317.150.12**
16	57,5	10x26	10	**317.160.11**	**317.160.12**
17	57,5	10x26	10	**317.170.11**	**317.170.12**
18	57,5	10x26	10	**317.180.11**	**317.180.12**
19	57,5	10x26	10	**317.190.11**	**317.190.12**
20	57,5	10x26	10	**317.200.11**	**317.200.12**
22	57,5	10x26	10	**317.220.11**	**317.220.12**
24	57,5	10x26	10	**317.240.11**	**317.240.12**
25	57,5	10x26	10	**317.250.11**	**317.250.12**
26	57,5	10x26	10	**317.260.11**	**317.260.12**
28	57,5	10x26	10	**317.280.11**	**317.280.12**
30	57,5	10x26	10	**317.300.11**	**317.300.12**
32	57,5	10x26	10	**317.320.11**	**317.320.12**
34	57,5	10x26	10	**317.340.11**	**317.340.12**
35	57,5	10x26	10	**317.350.11**	**317.350.12**
38	57,5	10x26	10	**317.380.11**	**317.380.12**
40	57,5	10x26	10	**317.400.11**	**317.400.12**
42	57,5	10x26	10	**317.420.11**	**317.420.12**
45	57,5	10x26	10	**317.450.11**	**317.450.12**
50	57,5	10x26	10	**317.500.11**	**317.500.12**
55	57,5	10x26	10	**317.550.11**	**317.550.12**
60	57,5	10x26	10	**317.600.11**	**317.600.12**

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

369

HW Z2 V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
14	70	10x26	10	**369.140.11**	**369.140.12**
15	70	10x26	10	**369.150.11**	**369.150.12**
16	70	10x26	10	**369.160.11**	**369.160.12**
18	70	10x26	10	**369.180.11**	**369.180.12**
20	70	10x26	10	**369.200.11**	**369.200.12**
22	70	10x26	10	**369.220.11**	**369.220.12**
25	70	10x26	10	**369.250.11**	**369.250.12**
26	70	10x26	10	**369.260.11**	**369.260.12**
30	70	10x26	10	**369.300.11**	**369.300.12**
35	70	10x26	10	**369.350.11**	**369.350.12**
40	70	10x26	10	**369.400.11**	**369.400.12**
45	70	10x26	10	**369.450.11**	**369.450.12**
50	70	10x26	10	**369.500.11**	**369.500.12**
55	70	10x26	10	**369.550.11**	**369.550.12**
60	70	10x26	10	**369.600.11**	**369.600.12**

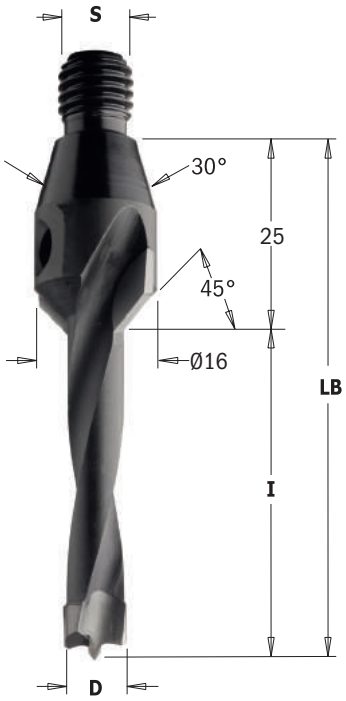
370

HW Z2 V2 RH LH

D mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
18	77	10x30	10	**370.180.11**	**370.180.12**
20	77	10x30	10	**370.200.11**	**370.200.12**
25	77	10x30	10	**370.250.11**	**370.250.12**
30	77	10x30	10	**370.300.11**	**370.300.12**
35	77	10x30	10	**370.350.11**	**370.350.12**

Spare parts: 990.003.00
Optional: 990.088.00

Dowel Drills with Threaded Shank with Countersink



332-334-336-337

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	20	45	M10/30°	10	**332.050.11**	**332.050.12**
6	20	45	M10/30°	10	**332.060.11**	**332.060.12**
8	20	45	M10/30°	10	**332.080.11**	**332.080.12**
10	20	45	M10/30°	10	**332.100.11**	**332.100.12**
12	20	45	M10/30°	10	**332.120.11**	**332.120.12**
5	30	55	M10/30°	10	**334.050.11**	**334.050.12**
6	30	55	M10/30°	10	**334.060.11**	**334.060.12**
8	30	55	M10/30°	10	**334.080.11**	**334.080.12**
10	30	55	M10/30°	10	**334.100.11**	**334.100.12**
12	30	55	M10/30°	10	**334.120.11**	**334.120.12**
5	40	65	M10/30°	10	**336.050.11**	**336.050.12**
6	40	65	M10/30°	10	**336.060.11**	**336.060.12**
8	40	65	M10/30°	10	**336.080.11**	**336.080.12**
10	40	65	M10/30°	10	**336.100.11**	**336.100.12**
12	40	65	M10/30°	10	**336.120.11**	**336.120.12**
5	50	75	M10/30°	10	**337.050.11**	**337.050.12**
6	50	75	M10/30°	10	**337.060.11**	**337.060.12**
8	50	75	M10/30°	10	**337.080.11**	**337.080.12**
10	50	75	M10/30°	10	**337.100.11**	**337.100.12**
12	50	75	M10/30°	10	**337.120.11**	**337.120.12**

TECHNICAL DETAILS:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edge [Z2].
- 2 ground spurts [V2].
- 2 spiral flutes.

APPLICATION:
used on boring machines equipped with chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills with Threaded Shank without Countersink

341-342-343

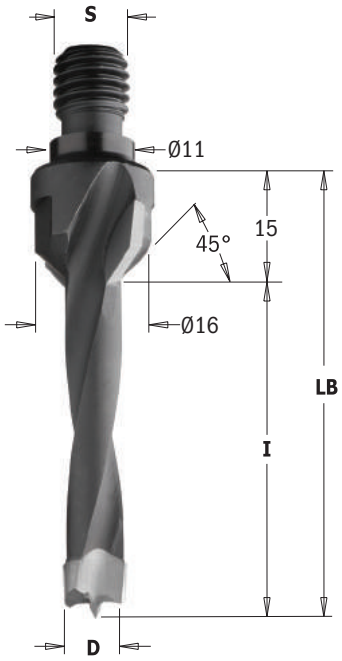
HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	55	M10/30°	10	**341.050.11**	**341.050.12**
6	30	55	M10/30°	10	**341.060.11**	**341.060.12**
8	30	55	M10/30°	10	**341.080.11**	**341.080.12**
10	30	55	M10/30°	10	**341.100.11**	**341.100.12**
12	30	55	M10/30°	10	**341.120.11**	**341.120.12**
5	40	65	M10/30°	10	**342.050.11**	**342.050.12**
6	40	65	M10/30°	10	**342.060.11**	**342.060.12**
8	40	65	M10/30°	10	**342.080.11**	**342.080.12**
10	40	65	M10/30°	10	**342.100.11**	**342.100.12**
12	40	65	M10/30°	10	**342.120.11**	**342.120.12**
5	50	75	M10/30°	10	**343.050.11**	**343.050.12**
6	50	75	M10/30°	10	**343.060.11**	**343.060.12**
8	50	75	M10/30°	10	**343.080.11**	**343.080.12**
10	50	75	M10/30°	10	**343.100.11**	**343.100.12**
12	50	75	M10/30°	20	**343.120.11**	**343.120.12**

TECHNICAL DETAILS:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 4 spiral flutes.

APPLICATION:
used on boring machines equipped with chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills with Threaded Shank with Countersink



325-327-329-330

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	20	35	M10/11x4	10	**325.050.11**	**325.050.12**
6	20	35	M10/11x4	10	**325.060.11**	**325.060.12**
8	20	35	M10/11x4	10	**325.080.11**	**325.080.12**
10	20	35	M10/11x4	10	**325.100.11**	**325.100.12**
12	20	35	M10/11x4	10	**325.120.11**	**325.120.12**
5	30	45	M10/11x4	10	**327.050.11**	**327.050.12**
6	30	45	M10/11x4	10	**327.060.11**	**327.060.12**
8	30	45	M10/11x4	10	**327.080.11**	**327.080.12**
10	30	45	M10/11x4	10	**327.100.11**	**327.100.12**
12	30	45	M10/11x4	10	**327.120.11**	**327.120.12**
5	40	55	M10/11x4	10	**329.050.11**	**329.050.12**
6	40	55	M10/11x4	10	**329.060.11**	**329.060.12**
8	40	55	M10/11x4	10	**329.080.11**	**329.080.12**
10	40	55	M10/11x4	10	**329.100.11**	**329.100.12**
12	40	55	M10/11x4	10	**329.120.11**	**329.120.12**
5	50	65	M10/11x4	10	**330.050.11**	**330.050.12**
6	50	65	M10/11x4	10	**330.060.11**	**330.060.12**
8	50	65	M10/11x4	10	**330.080.11**	**330.080.12**
10	50	65	M10/11x4	10	**330.100.11**	**330.100.12**
12	50	65	M10/11x4	10	**330.120.11**	**330.120.12**

TECHNICAL DETAILS:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- 2 ground spurs [V2].

APPLICATION:
used on boring machines equipped with chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills with Threaded Shank without Countersink

338-339-340

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	45	M10/11x4	10	**338.050.11**	**338.050.12**
6	30	45	M10/11x4	10	**338.060.11**	**338.060.12**
8	30	45	M10/11x4	10	**338.080.11**	**338.080.12**
10	30	45	M10/11x4	10	**338.100.11**	**338.100.12**
12	30	45	M10/11x4	10	**338.120.11**	**338.120.12**
5	40	55	M10/11x4	10	**339.050.11**	**339.050.12**
6	40	55	M10/11x4	10	**339.060.11**	**339.060.12**
8	40	55	M10/11x4	10	**339.080.11**	**339.080.12**
10	40	55	M10/11x4	10	**339.100.11**	**339.100.12**
12	40	55	M10/11x4	10	**339.120.11**	**339.120.12**
5	50	65	M10/11x4	10	**340.050.11**	**340.050.12**
6	50	65	M10/11x4	10	**340.060.11**	**340.060.12**
8	50	65	M10/11x4	10	**340.080.11**	**340.080.12**
10	50	65	M10/11x4	10	**340.100.11**	**340.100.12**
12	50	65	M10/11x4	10	**340.120.11**	**340.120.12**

TECHNICAL DETAILS:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 4 spiral flutes.

APPLICATION:
used on boring machines equipped with chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

344

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	63	M8	10	**344.050.11**	**344.050.12**
6	43	63	M8	10	**344.060.11**	**344.060.12**
8	43	63	M8	10	**344.080.11**	**344.080.12**
10	43	63	M8	10	**344.100.11**	**344.100.12**
12	43	63	M8	10	**344.120.11**	**344.120.12**

For use on the following machines:
Nottmeyer (older models)

346

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	63	M10	10	**346.050.11**	**346.050.12**
6	43	63	M10	10	**346.060.11**	**346.060.12**
8	43	63	M10	10	**346.080.11**	**346.080.12**
10	43	63	M10	10	**346.100.11**	**346.100.12**
12	43	63	M10	10	**346.120.11**	**346.120.12**

For use on the following machines:
Ayen, Holzma, Knoevenagel, Mayer, Torwegge.

Technical details:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 4 spiral flutes.

Application:
used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills with Threaded Shank

352-353

HW Z2 V2 RH LH

D mm	I mm	LB mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	45	M8/9	10	**352.050.11**	**352.050.12**
6	30	45	M8/9	10	**352.060.11**	**352.060.12**
8	30	45	M8/9	10	**352.080.11**	**352.080.12**
10	30	45	M8/9	10	**352.100.11**	**352.100.12**
12	30	45	M8/9	10	**352.120.11**	**352.120.12**
5	40	55	M8/9	10	**353.050.11**	**353.050.12**
6	40	55	M8/9	10	**353.060.11**	**353.060.12**
8	40	55	M8/9	10	**353.080.11**	**353.080.12**
10	40	55	M8/9	10	**353.100.11**	**353.100.12**
12	40	55	M8/9	10	**353.120.11**	**353.120.12**

For use on the following machines:
Masterwood (Zangheri & Boschetti)
Morbidelli, Nottmeyer (new design)

Technical details:
- Super-strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 4 spiral flutes.

Application:
used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Bits for Hand Power Tools

PRODUCTS	PAGE
Adapters	318-319
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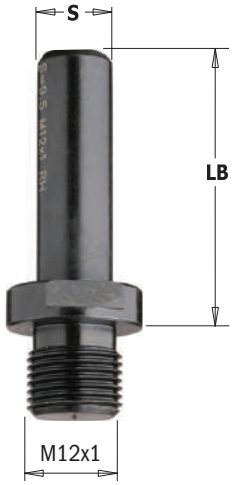


509-532-533 ...with parallel shank for interchangeable bits

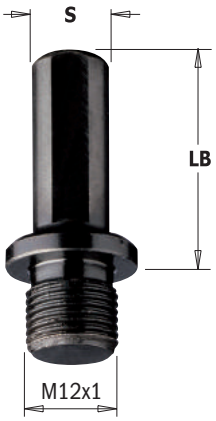
RH LH

S mm	LB mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8x30	35			10	**532.080.01**	
9,5x30	35			10	**532.095.01**	
10x50	60			1	**533.100.01**	**533.100.02**
12x30	35			10	**532.120.01**	
13x50	100			1	**509.130.01**	**509.130.02**
16x50	100			1	**509.160.01**	**509.160.02**

For use with the following parts: 501 HW

TECHNICAL DETAILS:
- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
used on boring machines with Adapter chucks.



511 ...with parallel shank for quick change drills

RH LH

S mm	LB mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10x20 (with driving flat and screw)	27	10	**511.270.01**	**511.270.02**
10x35 (with driving flat and screw)	40	10	**511.400.01**	**511.400.02**

For use with the following parts: 501 HW

Spare parts
990.003.00

TECHNICAL DETAILS:
- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
used on boring machines with Adapter chucks.

506

RH LH

S mm	LB mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/11x4	15			1	**506.150.01**	**506.150.02**
M10/11x4	25			1	**506.250.01**	**506.250.02**
M10/11x4	35			1	**506.350.01**	**506.350.02**

For use with the following parts: 501 HW

TECHNICAL DETAILS:
- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
used on boring machines with Adapter chucks.

503

RH LH

S mm	LB mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/30°	25			1	**503.250.01**	**503.250.02**
M10/30°	35			1	**503.350.01**	**503.350.02**
M10/30°	45			1	**503.450.01**	**503.450.02**

For use with the following parts: 501 HW

TECHNICAL DETAILS:
- Super strength steel.
- Parallel shank with driving flat and adjustable screw length

APPLICATION:
used on boring machines with Adapter chucks.

534

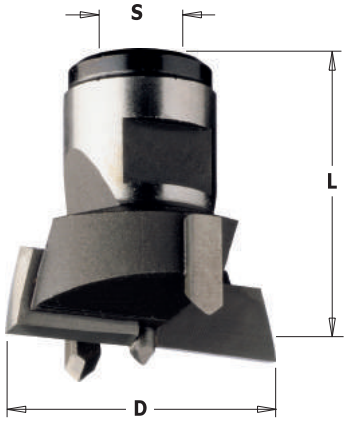
RH

S				ORDER NO. Right-hand rotation	
MK2/Ø20x14F.x1"			1	**534.020.01**	
MK2/M30x1,5			1	**534.030.01**	

For use with the following parts: 501 HW

TECHNICAL DETAILS:
- Super strength steel.

APPLICATION:
used on CNC machines or hand-held routers equipped with Adapter chucks.

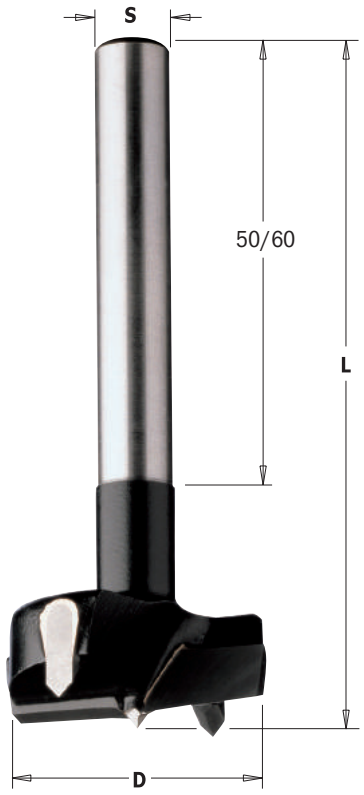


501

HW Z2+2 RH LH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
20	30	M12x1		1	**501.200.11**	**501.200.12**
22	30	M12x1		1	**501.220.11**	**501.220.12**
24	30	M12x1		1	**501.240.11**	**501.240.12**
25	30	M12x1		1	**501.250.11**	**501.250.12**
26	30	M12x1		1	**501.260.11**	**501.260.12**
30	30	M12x1		1	**501.300.11**	**501.300.12**
32	30	M12x1		1	**501.320.11**	**501.320.12**
34	30	M12x1		1	**501.340.11**	**501.340.12**
35	30	M12x1		1	**501.350.11**	**501.350.12**
36	30	M12x1		1	**501.360.11**	**501.360.12**
38	30	M12x1		1	**501.380.11**	**501.380.12**
40	30	M12x1		1	**501.400.11**	**501.400.12**
45	30	M12x1		1	**501.450.11**	**501.450.12**
50	30	M12x1		1	**501.500.11**	**501.500.12**
55	30	M12x1		1	**501.550.11**	**501.550.12**
60	30	M12x1		1	**501.600.11**	**501.600.12**

Boring Bits with Parallel Shank



512

HW Z2 V2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	
14	90	10x60		10	**512.140.11**	
15	90	10x60		10	**512.150.11**	
16	90	10x60		10	**512.160.11**	
17	90	10x60		10	**512.170.11**	
18	90	10x60		10	**512.180.11**	
19	90	10x60		10	**512.190.11**	
20	90	10x60		10	**512.200.11**	
21	90	10x60		10	**512.210.11**	
22	90	10x60		10	**512.220.11**	
23	90	10x60		10	**512.230.11**	
24	90	10x60		10	**512.240.11**	
25	90	10x60		10	**512.250.11**	
26	90	10x60		10	**512.260.11**	
27	90	10x60		10	**512.270.11**	
28	90	10x60		10	**512.280.11**	
29	90	10x60		10	**512.290.11**	
30	90	10x60		10	**512.300.11**	
31	90	10x60		10	**512.310.11**	
32	90	10x60		10	**512.320.11**	
33	90	10x60		10	**512.330.11**	
34	90	10x60		10	**512.340.11**	
35	90	10x60		10	**512.350.11**	
38	90	10x60		10	**512.380.11**	
40	90	10x60		10	**512.400.11**	
42	90	10x60		10	**512.420.11**	
45	90	10x50		10	**512.450.11**	
48	90	10x50		10	**512.480.11**	
50	90	10x50		10	**512.500.11**	
55	90	10x50		5	**512.550.11**	
58	90	10x50		5	**512.580.11**	
60	90	10x50		5	**512.600.11**	

Technical details:
- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

Application:
used for drilling blind holes in solid wood, wood composites and plastic laminate materials.
Ideal for hinges.

5-Piece Boring Bit Set for Hinges

512.001.01

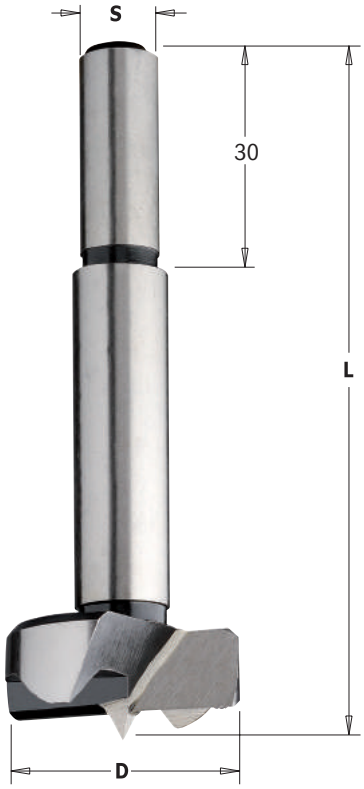
HW Z2 V2 RH

The perfect set for hinge work and other related applications.
Machined from special high speed steel with micrograin carbide tips, these bits are available in diameters of 15, 20, 25, 30 and 35mm.
Safely packaged in a solid plastic box with glass front for easy storage and inventory.

Technical details:
- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

Application:
used for drilling blind holes in solid wood, wood composites and plastic laminated materials.
Ideal for hinges.

Description	S mm	L mm	Bit Diameter mm		ORDER NO. Right-hand rotation
5-Piece Boring Bit Set for Hinges	10	90	15-20-25-30-35	5	**512.001.01**



512

SP Z2 V2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation
8	90	10x30		10	**512.081.31**
10	90	10x30		10	**512.101.31**
12	90	10x30		10	**512.121.31**
14	90	10x30		10	**512.141.31**
15	90	10x30		10	**512.151.31**
16	90	10x30		10	**512.161.31**
18	90	10x30		10	**512.181.31**
20	90	10x30		10	**512.201.31**
22	90	10x30		10	**512.221.31**
24	90	10x30		10	**512.241.31**
25	90	10x30		10	**512.251.31**
26	90	10x30		10	**512.261.31**
28	90	10x30		10	**512.281.31**
30	90	10x30		10	**512.301.31**
32	90	10x30		10	**512.321.31**
34	90	10x30		10	**512.341.31**
35	90	10x30		10	**512.351.31**
38	90	10x30		10	**512.381.31**
40	90	10x30		10	**512.401.31**
45	90	10x30		10	**512.451.31**
50	90	10x30		10	**512.501.31**

TECHNICAL DETAILS:
- SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.
- Parallel shank.

APPLICATION:
used for drilling blind holes in softwood.
Ideal for hinges.

5-Piece Boring Bit Set for Hinges

512.001.00

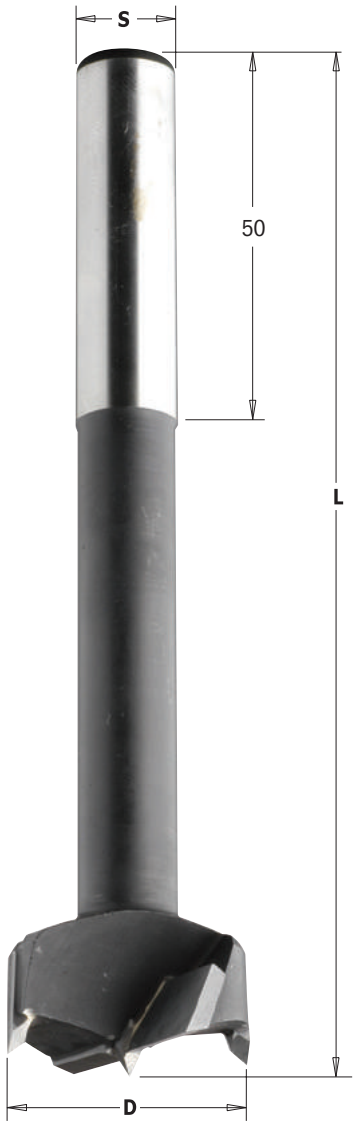
SP Z2 V2 RH

The perfect set for hinge work and other related applications. Machined from special high speed steel, these bits are available in diameters of 15, 20, 25, 30 and 35mm. Precisely ground, sharpened with round shanks and safely packaged in a solid plastic box with glass front for easy storage and inventory.

TECHNICAL DETAILS:
- SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.

APPLICATION:
used for drilling blind holes in softwood. **Ideal for hinges.**

DESCRIPTION	S mm	L mm	BIT DIAMETER mm		ORDER NO. Right-hand rotation
5-Piece Boring Bit Set for Hinges	10	90	15-20-25-30-35	5	**512.001.00**



HW Z2 V2 RH

513

D mm	L mm	S mm		ORDER NO. Right-hand rotation
15	120	13	1	**513.150.11**
16	120	13	1	**513.160.11**
18	120	13	1	**513.180.11**
20	120	13	1	**513.200.11**
22	125	13	1	**513.220.11**
25	125	13	1	**513.250.11**
26	125	13	1	**513.260.11**
28	130	13	1	**513.280.11**
30	130	13	1	**513.300.11**
35	130	13	1	**513.350.11**
40	130	13	1	**513.400.11**
45	130	13	1	**513.450.11**
50	130	13	1	**513.500.11**
55	140	13	1	**513.550.11**
60	140	13	1	**513.600.11**

514

D mm	L mm	S mm		ORDER NO. Right-hand rotation
15	120	16	1	**514.150.11**
16	120	16	1	**514.160.11**
18	120	16	1	**514.180.11**
20	120	16	1	**514.200.11**
22	125	16	1	**514.220.11**
25	125	16	1	**514.250.11**
26	125	16	1	**514.260.11**
28	130	16	1	**514.280.11**
30	130	16	1	**514.300.11**
32	130	16	1	**514.320.11**
35	130	16	1	**514.350.11**
40	130	16	1	**514.400.11**
45	130	16	1	**514.450.11**
50	130	16	1	**514.500.11**
55	140	16	1	**514.550.11**
60	140	16	1	**514.600.11**

TECHNICAL DETAILS:
- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

APPLICATION:
used for drilling blind holes in solid wood, wood composites and plastic laminated materials.
Ideal for hinges.

Boring Bits with Parallel Shank

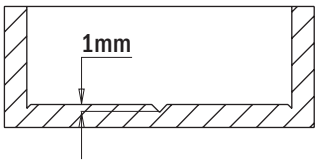
392

HW Z2 V2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation
15	60	8		10	**392.150.11**
20	60	8		10	**392.200.11**
25	60	8		10	**392.250.11**
26	60	8		10	**392.260.11**
30	60	8		10	**392.300.11**
35	60	8		10	**392.350.11**
35	60	12,7		10	**392.351.11**
40	60	8		10	**392.400.11**

TECHNICAL DETAILS:
- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.
- Right-hand rotation (RH).

APPLICATION:
for use on drilling machines and hand-held routers in solid wood, wood composites and plastic laminated materials.
Ideal for hinges and blind holes.



New construction with 1mm centre point

Mortise Chisel & Bit Sets

543

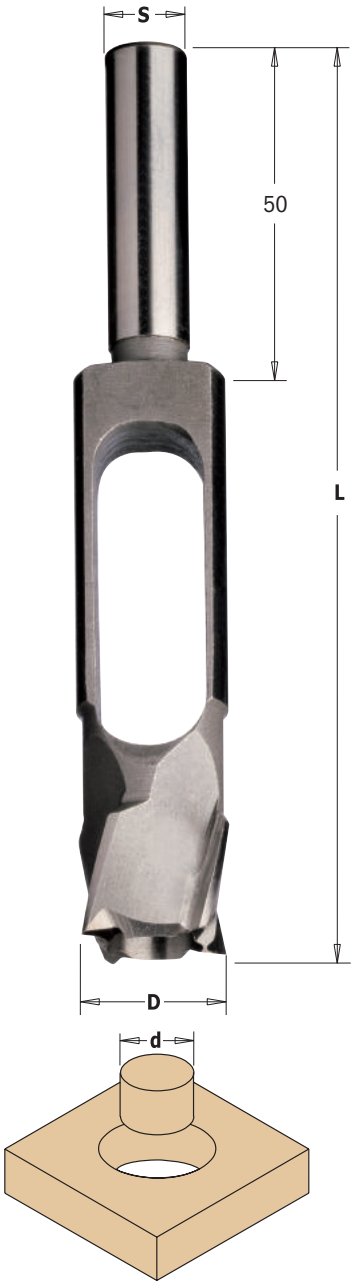
HSS Z1 RH

D mm	D inches	S mm	S inches		ORDER NO. Right-hand rotation
6,35	1/4	19	3/4	1	**543.064.51**
8	5/16	19	3/4	1	**543.079.51**
9,5	3/8	19	3/4	1	**543.095.51**
12,7	1/2	19	3/4	1	**543.127.51**
15,8	5/8	19	3/4	1	**543.158.51**
19	3/4	19	3/4	1	**543.190.51**

It's tough to beat the "old faithful" mortise and tenon joint for strength and accuracy, even with all the other joining options in the world of woodworking.
It isn't the easiest joint to make, but for sure it helps to have the best quality tools in your shop. That's why we've added a new selection of chisel and bit sets in all the popular sizes 6,35mm (1/4") to 19mm (3/4") diameter.

These sets are for use on any standard drill press mortising attachment of mortising machines.

Sample of Chisel Mortiser



529

SP RH

d mm	D mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
8	18	140	13	4	5	**529.080.31**
10	20	140	13	4	5	**529.100.31**
12	24	140	13	4	5	**529.120.31**
14	26	140	13	4	5	**529.140.31**
15	27	140	13	4	5	**529.150.31**
16	28	140	13	4	5	**529.160.31**
18	30	140	13	4	5	**529.180.31**
20	32	140	13	4	5	**529.200.31**
22	34	140	13	5	5	**529.220.31**
25	37	140	13	5	5	**529.250.31**
30	42	140	13	5	5	**529.300.31**
32	44	140	13	5	5	**529.320.31**
35	47	160	16	6	2	**529.350.31**
40	52	160	16	6	2	**529.400.31**
45	57	160	16	6	2	**529.450.31**
50	62	160	16	6	2	**529.500.31**

d inches	D inches	L inches	S inches	Z		ORDER NO. Right-hand rotation
3/8	49/64	5-1/2	1/2	4	5	**529.095.31**
1/2	61/64	5-1/2	1/2	4	5	**529.127.31**
5/8	1-7/64	5-1/2	1/2	4	5	**529.158.31**
3/4	1-7/32	5-1/2	1/2	4	5	**529.191.31**
7/8	1-11/32	5-1/2	1/2	4	5	**529.222.31**
1	1-15/32	5-1/2	1/2	5	5	**529.254.31**
1-1/4	1-19/32	5-1/2	1/2	5	5	**529.317.31**
1-3/8	1-27/32	6-5/16	5/8	6	2	**529.349.31**
1-1/2	1-31/32	6-5/16	5/8	6	2	**529.381.31**
1-5/8	2-3/32	6-5/16	5/8	6	2	**529.413.31**
1-3/4	2-7/32	6-5/16	5/8	6	2	**529.445.31**
2	2-15/32	6-5/16	5/8	6	2	**529.508.31**

Use our D=16mm bushing to increase the 13mm shank (order no. 799.130.00 on page 395)

D mm	D inches	Max RPM Softwood	Max RPM Hardwood
< Ø16	5/8	1000	500
< Ø40	1-37/64	500	300
> Ø40	1-37/64	200	150

TECHNICAL DETAILS:
- SP steel.
- Long lasting cutter performance.

APPLICATION:
used to make plugs in hard and soft woods.

Plug Cutters

530

HSS Z4 RH

D mm	S			ORDER NO. Right-hand rotation	
6,2	Ø21x14F.1”		1	**530.062.51**	
8	Ø21x14F.1”		1	**530.080.51**	
8,2	Ø21x14F.1”		1	**530.082.51**	
10	Ø21x14F.1”		1	**530.100.51**	
10,2	Ø21x14F.1”		1	**530.102.51**	
12	Ø21x14F.1”		1	**530.120.51**	
12,2	Ø21x14F.1”		1	**530.122.51**	

TECHNICAL DETAILS:
- Super strength HSS steel.
- 4 precision ground cutting edges [Z4].
- Long lasting cutter performance.

APPLICATION:
used for cutting dowels.

REMARK:
available on request.

500.001/02/03

SP RH

We offer a wide range of boring bits and plug cutters in the most popular diameters. If you need to bore or to make plugs in soft-wood these sets are exactly what you need!

500.001.08 Boring Bit & Plug Cutter Set

Set contains	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	8	90	10	**512.081.31**
Boring Bit with Parallel Shank	10	90	10	**512.101.31**
Boring Bit with Parallel Shank	12	90	10	**512.121.31**
Boring Bit with Parallel Shank	15	90	10	**512.151.31**
Plug Cutter	8	140	13	**529.080.31**
Plug Cutter	10	140	13	**529.100.31**
Plug Cutter	12	140	13	**529.120.31**
Plug Cutter	15	140	13	**529.150.31**

500.002.08 Boring Bit & Plug Cutter Set

Set contains	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	16	90	10	**512.161.31**
Boring Bit with Parallel Shank	20	90	10	**512.201.31**
Boring Bit with Parallel Shank	25	90	10	**512.251.31**
Boring Bit with Parallel Shank	30	90	10	**512.301.31**
Plug Cutter	16	140	13	**529.160.31**
Plug Cutter	20	140	13	**529.200.31**
Plug Cutter	25	140	13	**529.250.31**
Plug Cutter	30	140	13	**529.300.31**

500.003.08 Boring Bit & Plug Cutter Set

Set contains	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	15	90	10	**512.151.31**
Boring Bit with Parallel Shank	20	90	10	**512.201.31**
Boring Bit with Parallel Shank	25	90	10	**512.251.31**
Boring Bit with Parallel Shank	30	90	10	**512.301.31**
Plug Cutter	15	140	13	**529.150.31**
Plug Cutter	20	140	13	**529.200.31**
Plug Cutter	25	140	13	**529.250.31**
Plug Cutter	30	140	13	**529.300.31**

Forstner Bits

537

SP Z2 V2 RH

D mm	L mm	S mm		ORDER NO. Right-hand rotation
10	90	8	10	**537.100.31**
12	90	8	10	**537.120.31**
14	90	8	10	**537.140.31**
15	90	8	10	**537.150.31**
16	90	8	10	**537.160.31**
18	90	8	10	**537.180.31**
20	90	8	10	**537.200.31**
22	90	8	10	**537.220.31**
24	90	8	10	**537.240.31**
25	90	8	10	**537.250.31**
26	90	8	10	**537.260.31**
28	90	8	10	**537.280.31**
30	90	8	10	**537.300.31**
32	90	10	10	**537.320.31**
35	90	10	10	**537.350.31**
38	90	10	10	**537.380.31**
40	90	10	10	**537.400.31**
45	90	10	10	**537.450.31**
50	90	10	10	**537.500.31**
55	90	10	5	**537.550.31**
68	157	12,7	5	**537.680.31**

D inches	L inches	S inches		ORDER NO. Right-hand rotation
1/4	3-35/64	3/8	10	**537.064.31**
3/8	3-35/64	3/8	10	**537.095.31**
1/2	3-35/64	3/8	10	**537.127.31**
5/8	3-35/64	3/8	10	**537.158.31**
3/4	3-35/64	3/8	10	**537.190.31**
7/8	3-35/64	3/8	10	**537.222.31**
1	3-35/64	3/8	10	**537.254.31**
1-1/8	3-35/64	3/8	10	**537.285.31**
1-1/4	3-35/64	3/8	10	**537.317.31**
1-3/8	3-35/64	3/8	10	**537.349.31**
1-1/2	3-35/64	3/8	10	**537.381.31**
1-5/8	3-35/64	3/8	10	**537.413.31**
1-3/4	3-35/64	3/8	10	**537.445.31**
1-7/8	3-35/64	3/8	10	**537.476.31**
2	3-35/64	3/8	10	**537.508.31**
2-1/8	3-35/64	3/8	5	**537.540.31**

toothed rim >=Ø25mm

standard rim <Ø25mm

Standard Rim and Toothed Rim:
Standard rims provide better guidance but tend to overheat.
To overcome heat the larger diameters (>=Ø25mm) are designed with toothed rims.

Technical details:
- Super strength SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.

Application:
used to drill precise flat bottom holes with no chipping in any softwood thickness.

Forstner Bit Sets

We offer a wide range of Forstner bits in the most popular diameters. These bits are available separately or in beautiful wooden sets. The high performance stagger tooth design on the bits with larger diameters allows for sharp holes with straight sides and flat bottoms. Bits available for drill presses, electric and cordless drills.
Suitable for working on any type of softwood.

537.000.04
537.000.05
537.000.07
537.000.12

537.000.16

SP Z2 V2 RH

Description	Shank	Bit Diameter		ORDER NO. Right-hand rotation
5 pcs. Router Bit Set in clamshell	Ø8-10mm	Ø15-20-25-30-35mm	5	**537.000.05**
12 pcs. Router Bit Set in clamshell	Ø8-10mm	Ø10-12-14-15-16-18-20-22-25-26-30-35mm	6	**537.000.12**
4 pcs. Router Bit Set in clamshell	Ø3/8"	Ø1/4" - 1/2" - 3/4" - 1"	5	**537.000.04**
7 pcs. Router Bit Set in clamshell	Ø3/8"	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"	6	**537.000.07**
16 pcs. Router Bit Set in plastic box	Ø3/8"	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 1-1/8" - 1-1/4"-1-3/8"-1-1/2"-1-5/8"-1-3/4"-1-7/8"-2"-2-1/8"	8	**537.000.16**

531

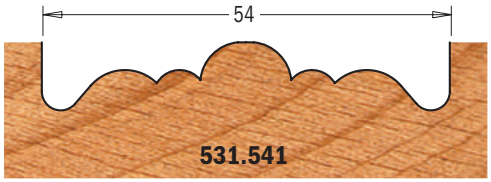
HW Z2 RH

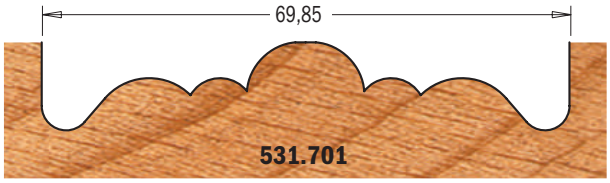
D mm	L mm	S mm	Max RPM		ORDER NO. Right-hand rotation
54	73,5	9,5	1500	10	**531.541**
54	71,3	9,5	1500	10	**531.542**
54	67,3	9,5	1500	10	**531.543**
54	72,3	9,5	1500	10	**531.544**
70	76,5	9,5	1000	5	**531.701**
70	74	9,5	1000	5	**531.702**

Technical details:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Parallel exagonal shank.
- Right-hand rotation (RH).

Application:
to be used on drill presses and drilling power tools at low RPMs (see table). We recommend clamping your workpiece mechanically during boring operations.

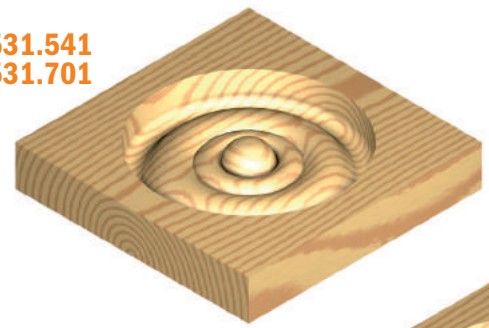
Top of hexagonal shank



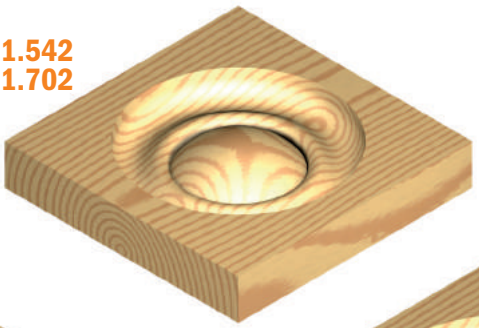


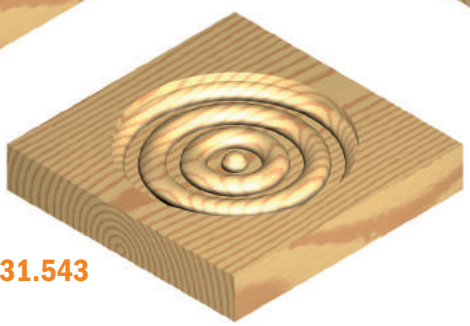
Drawings are 1:1 scale

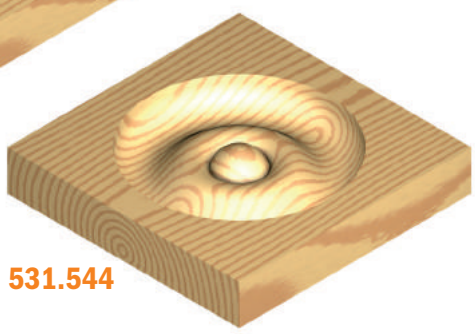
531.541
531.701

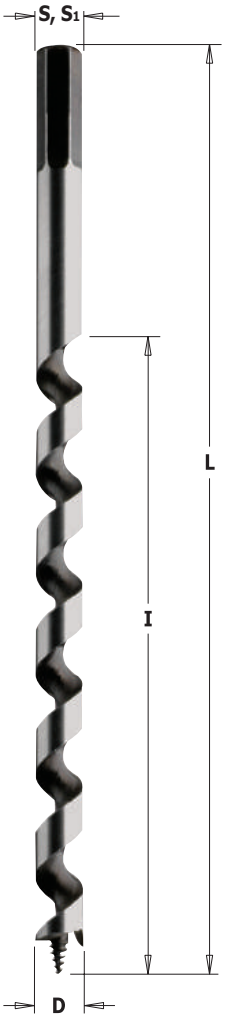


531.542
531.702









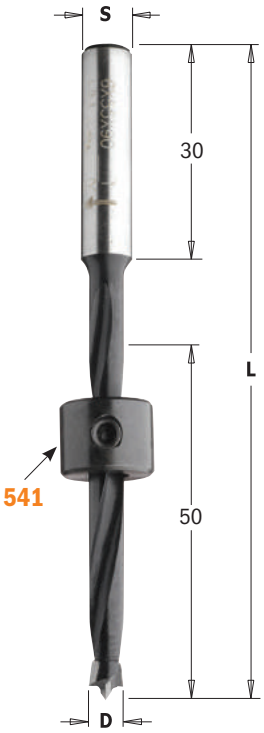
542-535

HSS Z1 V1 RH

D mm	I mm	L mm	S	S1 mm	RPM max		ORDER NO. Right-hand rotation
6	155	230	Hexagonal	6	800 ~ 1400	1	**542.060.51**
8	155	230	Hexagonal	6,35	800 ~ 1400	1	**542.080.51**
10	155	230	Hexagonal	9	600 ~ 1200	1	**542.100.51**
12	155	230	Hexagonal	12	600 ~ 1100	1	**542.120.51**
14	155	230	Hexagonal	12	600 ~ 1000	1	**542.140.51**
16	155	230	Hexagonal	12	500 ~ 900	1	**542.160.51**
18	155	230	Hexagonal	12	500 ~ 800	1	**542.180.51**
20	155	230	Hexagonal	12	400 ~ 700	1	**542.200.51**
8	360	460	Hexagonal	6,55	800 ~ 1000	1	**535.080.51**
10	360	460	Hexagonal	9	600 ~ 1000	1	**535.100.51**
12	360	460	Hexagonal	12	600 ~ 1000	1	**535.120.51**
14	360	460	Hexagonal	12	500 ~ 900	1	**535.140.51**
16	360	460	Hexagonal	12	500 ~ 900	1	**535.160.51**
18	360	460	Hexagonal	12	450 ~ 800	1	**535.180.51**
20	360	460	Hexagonal	12	400 ~ 700	1	**535.200.51**

TECHNICAL DETAILS:
- Super strength HSS steel.
- Precision balanced centre point.
- 1 precision ground cutting edge [Z1].
- 1 spiral flute.
- 1 spur [V1].
- Long-lasting cutting performance.

APPLICATION:
used for drilling deep holes in soft and hardwood.



Brad Point Bits

540

HW Z2 V2 RH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	
5	90	8x30		1	**540.050.11**	
6	90	8x30		1	**540.060.11**	
8	90	8x30		1	**540.080.11**	
10	90	8x30		1	**540.100.11**	
12	90	8x30		1	**540.120.11**	

TECHNICAL DETAILS:
- Super strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].
- 2 spiral flutes

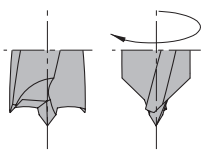
APPLICATION:
for use on hand-held router to drill blind holes in solid wood, wood composites or plastic laminates.

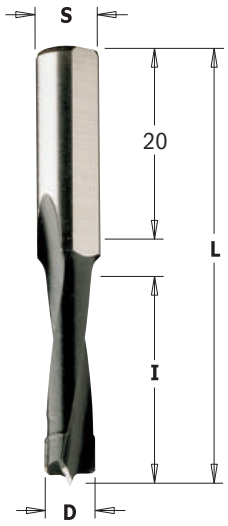
541 Stop Collars

D mm			PACK QTY.	ORDER NO.	Spare parts	
5			10	**541.050.00**	990.002.00	991.062.00
6			10	**541.060.00**	990.002.00	991.062.00
8			10	**541.080.00**	990.002.00	991.062.00
10			10	**541.100.00**	990.002.00	991.062.00
12			10	**541.120.00**	990.002.00	991.062.00

Stop collars with precision clamping nut and key for quick and easy assembly.

Negatively Ground Spurs





312

HW Z2 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
4	30	58	8	10	**312.040.11**
5	30	58	8	10	**312.050.11**
6	30	58	8	10	**312.060.11**
8	30	58	8	10	**312.080.11**
10	30	58	8	10	**312.100.11**
12	30	58	8	10	**312.120.11**
14	30	58	8	10	**312.140.11**
16	30	58	8	10	**312.160.11**

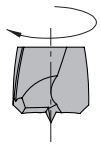
These drill bits are made with high-strength steel in order to work with high speed rotation. They are perfect for boring all materials like solid wood, wood and composites, plastic and laminated with **hand-held routers and MAFELL® machine model DD40.**

Spare parts 990.003.00

Optional 990.088.00

TECHNICAL DETAILS:
- Super strength steel.
- Spiral portion coated with black P.T.F.E.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Sharpening with chamfer



Router Bits for Domino® Joining Machines by Festool®

380

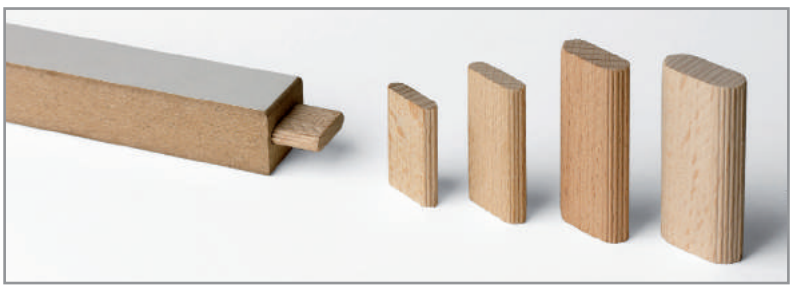
HW HWM Z2 RH

D mm	I mm	L mm	S mm	FESTOOL®		ORDER NO. Right-hand rotation
• 4	11	38	M6x0,75	DF500	10	**380.040.11**
5	20	49	M6x0,75	DF500	10	**380.050.11**
6	28	49	M6x0,75	DF500	10	**380.060.11**
8	28	49	M6x0,75	DF500	10	**380.080.11**
10	28	49	M6x0,75	DF500	10	**380.100.11**
8	50	90	M8x1	DF700	10	**380.081.11**
10	70	90	M8x1	DF700	10	**380.101.11**
12	70	90	M8x1	DF700	10	**380.121.11**
14	70	90	M8x1	DF700	10	**380.141.11**

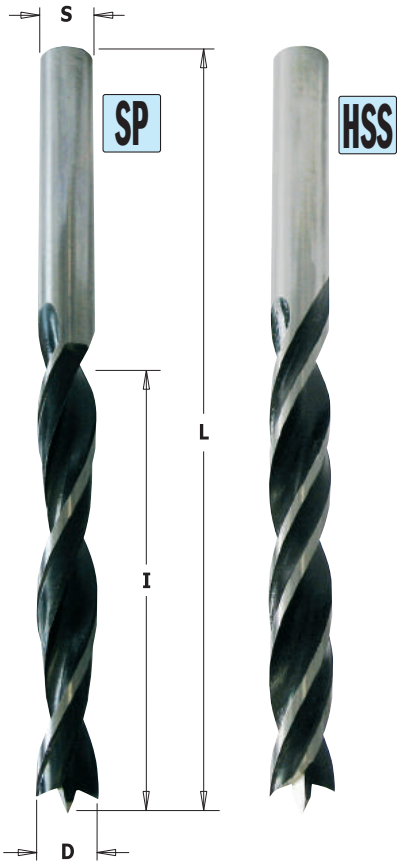
• **HWM**

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- Spiral portion coating with black P.T.F.E.
- Extra-fine micrograin carbide spiral portion.
- 2 cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:
for use on "Domino®" machines to rout slots on solid wood and wood composites.



Brad Point Bits



517

SP HSS Z2 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation SP	ORDER NO. Right-hand rotation HSS
3	33	61	3	1	**517.030.31**	**517.030.51**
4	43	75	4	1	**517.040.31**	**517.040.51**
5	52	86	5	1	**517.050.31**	**517.050.51**
6	57	93	6	1	**517.060.31**	**517.060.51**
7	69	109	7	1	**517.070.31**	**517.070.51**
8	75	117	8	1	**517.080.31**	**517.080.51**
9	80	120	9	1	**517.090.31**	**517.090.51**
10	80	120	10	1	**517.100.31**	**517.100.51**
11	89	142	8	1	**517.110.31**	**517.110.51**
12	96	151	8	1	**517.120.31**	**517.120.51**
13	96	151	8	1	**517.130.31**	**517.130.51**
14	96	151	10	1	**517.140.31**	**517.140.51**
15	100	160	10	1	**517.150.31**	**517.150.51**
16	100	160	10	1	**517.160.31**	**517.160.51**
18	130	180	10	1	**517.180.31**	
20	135	200	10	1	**517.200.31**	

SP

Technical details:
- Super strength SP steel.
- Precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 2 flutes.

Application:
used for drilling holes in softwood.

HSS

Technical details:
- Super strength HSS steel.
- Precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 4 flutes.

Application:
used for drilling holes in soft and hardwood.
Long-lasting cutting performance.

Brad Point Bit Sets

517

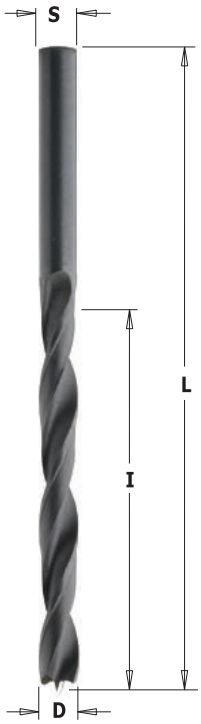
HSS SP Z2 RH

5-Piece Brad Point Bit Set
An economical collection of the five most popular sized brad points - 4, 5, 6, 8 and 10mm.
Safely packaged in a reusable plastic case for easy storage and access.

8-Piece Brad Point Bit Set
A complete collection of the most popular brad points in the most requested sizes - 3, 4, 5, 6, 7, 8, 9 and 10mm.
Safely packaged in a reusable plastic case for easy storage and access.

Description	Z	Bit Diameter		ORDER NO. Right-hand rotation
5-Pcs. HSS Brad Point Set	4 flutes	(Ø4-5-6-8-10mm)	50	**517.001.01**
5-Pcs. SP Brad Point Set	2 flutes	(Ø4-5-6-8-10mm)	50	**517.001.00**
8-Pcs. HSS Brad Point Set	4 flutes	(Ø3-4-5-6-7-8-9-10mm)	30	**517.002.01**
8-Pcs. SP Brad Point Set	2 flutes	(Ø3-4-5-6-7-8-9-10mm)	30	**517.002.00**

Brad Point Bits



516

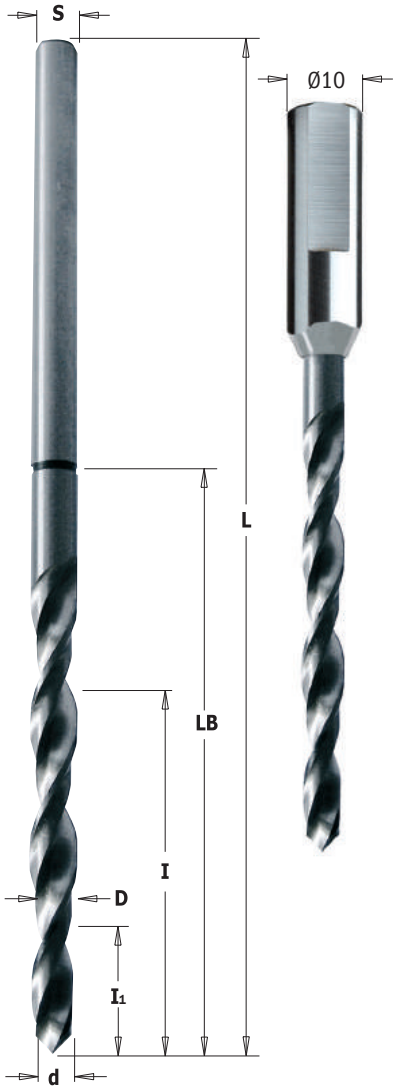
HSS Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	24	49	2	10	**516.020.51**	**516.020.52**
2,5	30	57	2,5	10	**516.025.51**	**516.025.52**
3	33	61	3	10	**516.030.51**	**516.030.52**
3,5	39	70	3,5	10	**516.035.51**	**516.035.52**
4	43	75	4	10	**516.040.51**	**516.040.52**
4,5	47	80	4,5	10	**516.045.51**	**516.045.52**
5	52	86	5	10	**516.050.51**	**516.050.52**
5,5	57	93	5,5	10	**516.055.51**	**516.055.52**
6	57	93	6	10	**516.060.51**	**516.060.52**
7	69	109	7	10	**516.070.51**	**516.070.52**
8	75	117	8	10	**516.080.51**	**516.080.52**
9	81	125	9	10	**516.090.51**	**516.090.52**
10	87	133	10	10	**516.100.51**	**516.100.52**

TECHNICAL DETAILS:
- Super strength steel.
- Precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Common shank and cutting diameter (S=D).

APPLICATION:
used for drilling holes in soft and hardwood.

Drill Bits for ANUBA Hinges



515

HSS Z2 RH

ANUBA no.	d mm	D-S mm	l_1 mm	I mm	LB mm	L mm		ORDER NO. Right-hand rotation
9,5	3,8	5,2	18	56	74	132	1	**515.095.51**
11	4,8	5,7	17	60	76	145	1	**515.110.51**
13	5,8	6,7	18	68	83	155	1	**515.130.51**
14,5	6,3	7,2	19	75	89	165	1	**515.145.51**
16	6,7	7,7	25	85	100	165	1	**515.160.51**
18	7,7	8,7	25	85	102	165	1	**515.180.51**
20	8,8	9,8	25	90	104	165	1	**515.200.51**

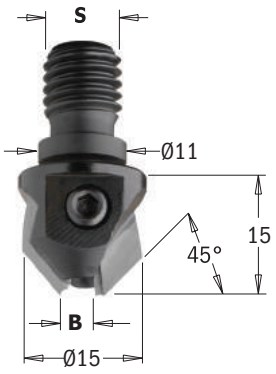
Parallel Shank with Driving Flat

ANUBA no.	d mm	D mm	I mm	LB mm	S mm	L mm		ORDER NO. Right-hand rotation
9	3,8	5	20	40	10x35	75	1	**515.091.51**
11	4,2	5,7	20	45	10x35	80	1	**515.111.51**
13	5,2	6,5	15	50	10x35	85	1	**515.131.51**
14	5,5	7	15	55	10x35	90	1	**515.141.51**
16	6	7,7	15	60	10x35	95	1	**515.161.51**
18	6,6	8,2	20	70	10x35	105	1	**515.181.51**
20	7,2	8,7	20	80	10x35	115	1	**515.201.51**

TECHNICAL DETAILS:
- Super strength steel.
- HSS steel.
- 2 HSS precision ground cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:
used for drilling blind holes in soft and hardwood.

Countersinks with Threaded Shank



350

HW Z2 RH LH

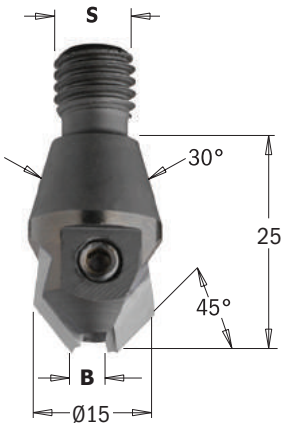
B mm	S mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	M10/Ø11x4			10	**350.030.11**	**350.030.12**
4	M10/Ø11x4			10	**350.040.11**	**350.040.12**
5	M10/Ø11x4			10	**350.050.11**	**350.050.12**

TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

Spare parts
990.001.00

APPLICATION:
for use with spiral bits featuring parallel shank.

Countersinks with Threaded Shank



351

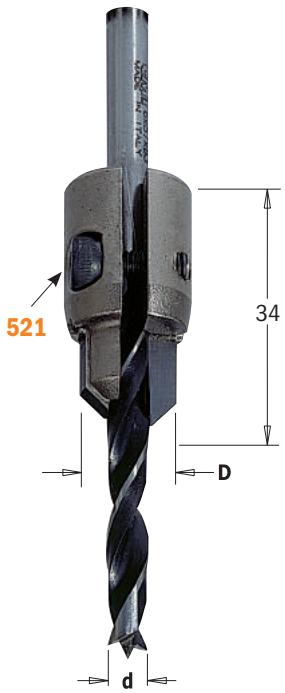
B mm	S mm				ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	M10/30°			10	**351.030.11**	**351.030.12**
4	M10/30°			10	**351.040.11**	**351.040.12**
5	M10/30°			10	**351.050.11**	**351.050.12**

TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

Spare parts
990.001.00

APPLICATION:
for use with spiral bits featuring parallel shank.

Adjustable Countersink

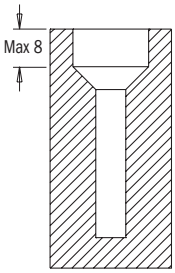


521.001

HW Z2 RH

d mm	D mm		ORDER NO. Right-hand rotation
3 ~ 7	11 ~ 15	10	**521.001.11**

Spare parts
990.061.00 | 991.067.00

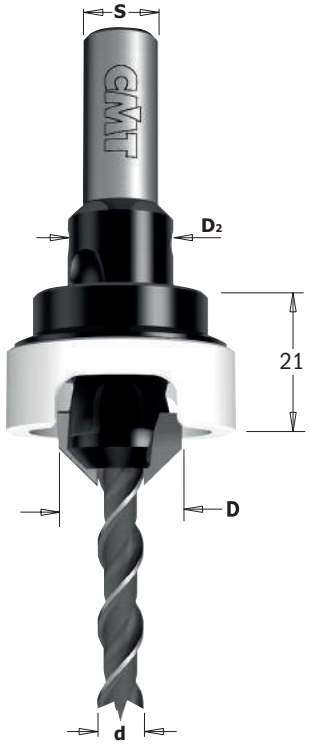


Twist drills	Overall diameter
Ø3	Ø11
Ø4	Ø12
Ø5	Ø13
Ø6	Ø14
Ø7	Ø15

TECHNICAL DETAILS:
- Premium quality HW.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

APPLICATION:
for use with spiral bits featuring parallel shank.
Twist drills not included.

Drill Bits with 45° Countersink Set

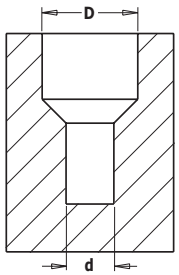


521A

HW Z2 RH

d mm	D mm	D₂ mm	A	S mm		ORDER NO. Right-hand rotation	Spare parts		
3	12	10	45°	8	10	**521.312.11A**	521.312.11	517.030.51	541.101.00
4	12	10	45°	8	10	**521.412.11A**	521.412.11	517.040.51	541.101.00
5	16	14	45°	10	10	**521.516.11A**	521.516.11	517.050.51	541.141.00
6	16	14	45°	10	10	**521.616.11A**	521.616.11	517.060.51	541.141.00

Spare parts
990.014.00 Screw
991.060.00 Hex key

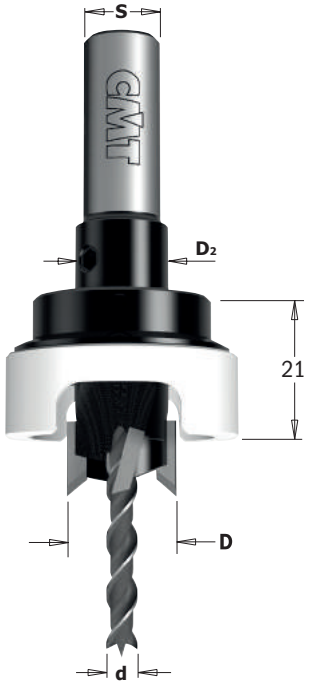


TECHNICAL DETAILS:
- Super strength steel.
- Countersink: 2 HW precision ground cutting edges [Z2].

APPLICATION:
used for drilling holes in soft, hardwood and wood composites.

Stop collars with precision clamping nut for quick and easy assembly. The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

Drill Bits with 90° Countersink Set

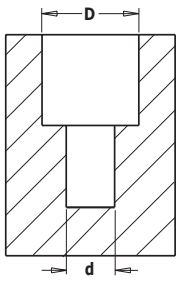


515A

HW Z2 V2 RH

d mm	D mm	D₂ mm	S mm		ORDER NO. Right-hand rotation	Spare parts		
4	12	10	10	10	**515.412.11A**	515.412.11	517.040.51	541.101.00
4	14	12	10	10	**515.414.11A**	515.414.11	517.040.51	541.121.00
5	15	14	10	10	**515.515.11A**	515.515.11	517.050.51	541.141.00
6	14	12	10	10	**515.614.11A**	515.614.11	517.060.51	541.121.00
6	15	14	10	10	**515.615.11A**	515.615.11	517.060.51	541.141.00

Spare parts
990.014.00 Screw
991.060.00 Hex key

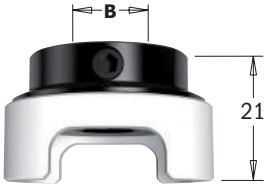


TECHNICAL DETAILS:
- Super strength steel.
- Countersink: 2 HW precision ground cutting edges [Z2].
- Countersink: 2 HW negatively ground spurs [V2].

APPLICATION:
used for drilling holes in soft, hardwood and wood composites.

Stop collars with precision clamping nut for quick and easy assembly. The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

Stop Collars with Delrin® Sleeve

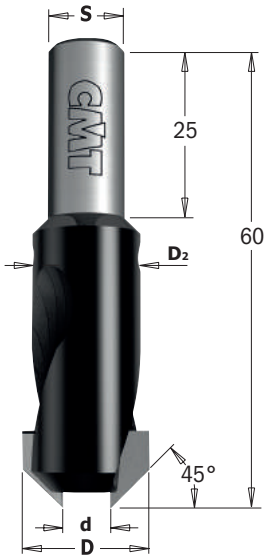


541

B mm			ORDER NO.	Spare parts	
10		1	**541.101.00**	990.014.00	991.060.00
12		1	**541.121.00**	990.014.00	991.060.00
14		1	**541.141.00**	990.014.00	991.060.00

Stop collars with precision clamping nut for quick and easy assembly. The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

45° Countersink with Parallel Shank

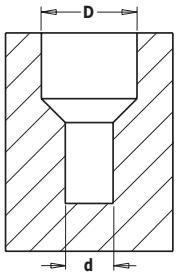


521

HW Z2 RH LH

d mm	D mm	D₂ mm	A	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	Spare parts
3	12	10	45°	8	10	**521.312.11**	**521.312.12**	990.014.00
4	12	10	45°	8	10	**521.412.11**	**521.412.12**	990.014.00
5	16	14	45°	10	10	**521.516.11**	**521.516.12**	990.014.00
6	16	14	45°	10	10	**521.616.11**	**521.616.12**	990.014.00

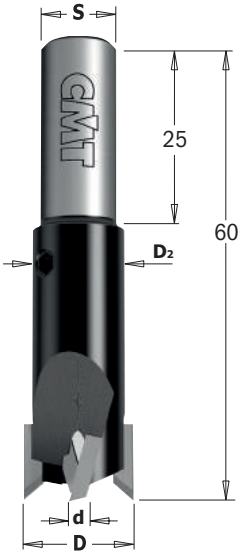
Spare parts **991.060.00** 2mm hex key



TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].

APPLICATION:
for use with spiral bits featuring parallel shank.

90° Countersink with Parallel Shank

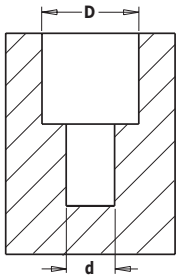


515

HW Z2 V2 RH

d mm	D mm	D₂ mm	A	S mm		ORDER NO. Right-hand rotation		Spare parts
4	12	10	90°	10	10	**515.412.11**		990.014.00
4	14	12	90°	10	10	**515.414.11**		990.014.00
5	15	14	90°	10	10	**515.515.11**		990.014.00
6	14	12	90°	10	10	**515.614.11**		990.014.00
6	15	14	90°	10	10	**515.615.11**		990.014.00

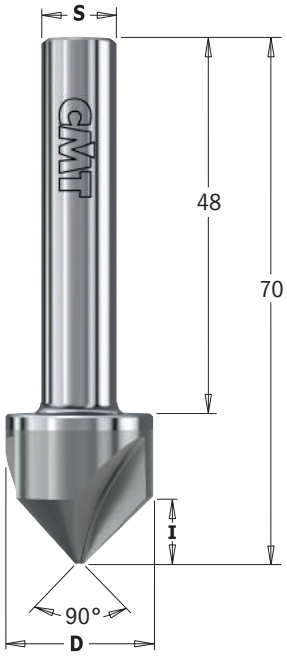
Spare parts **991.060.00** 2mm hex key



TECHNICAL DETAILS:
- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].

APPLICATION:
for use with spiral bits featuring parallel shank.

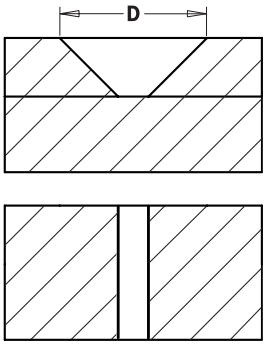
90° Countersink with Parallel Shank



521

HWM Z3 RH

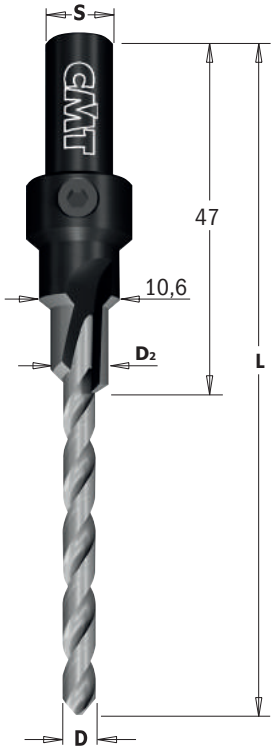
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
19,5	9	70	10x48	10	**521.002.11**



For drilling use bits serie **516** or **517**

TECHNICAL DETAILS:
- For making 90° countersunk blind holes accepting flat-head fasteners that sit flush with the surface.
- 3 wear-resistant precision ground cutting edges providing a smooth finish on hardened materials.
- Solid carbide tool that is harder than cobalt steel, providing a longer tool life at higher speeds.
- Parallel shank to accommodate most drill chucks.
- Suitable for wood, wood-based, non-ferrous materials and metal.

Drill Bit with Countersink for Screw Joints



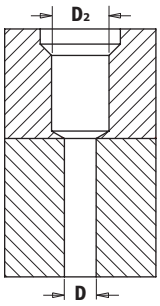
515

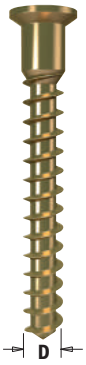
SP Z1 RH

D mm	D2 mm	L mm	S mm		ORDER NO. Right-hand rotation
4,2	7,6	87	9	1	**515.042.31**
5	7,6	93,7	9	1	**515.050.31**

TECHNICAL DETAILS:
- Super strength steel.
- SP steel.
- 1 SP precision ground cutting edge [Z1].
- 1 spiral flute.

APPLICATION:
used for drilling blind holes in soft and hardwood.





FASTX4 SYSTEM: THE HOLE SAW REVOLUTION!

CMT's innovative system offers great advantages to all professionals!

X1 FAST LOCK

ALL IN ONE CLICK!

We developed a unique patented Fast Lock System to quickly change between sizes and types in seconds!
It is the only system that allows the hole saw and the pilot drill to be changed without tools.

X2 FAST DRILL

FAST DRILLING IN ALL CONDITIONS!

Our hole saws have unique body geometry and teeth sharpening which provides fast, precise drilling at Xtreme angles.
- pre-drill at the desired angle
- push the hole saw forward back in position and complete the hole.

X3 FAST BORE ENLARGEMENT

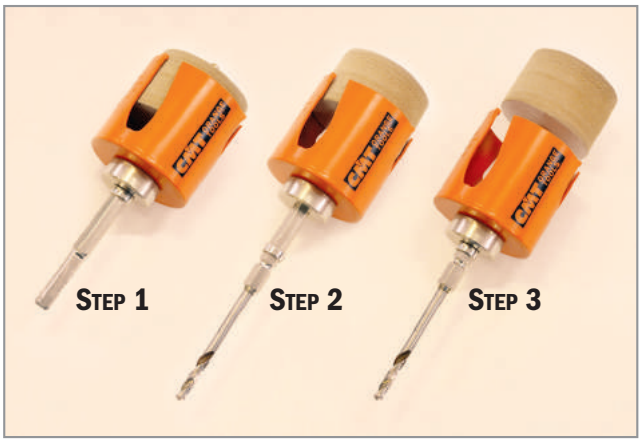
UNIQUE SOLUTION FOR BORE ENLARGEMENT!

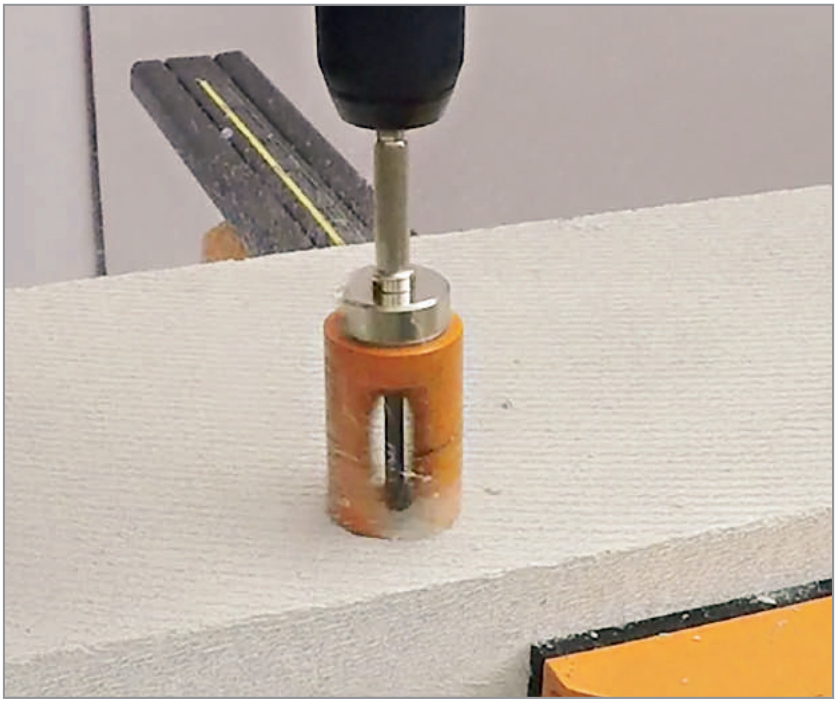
CMT's has a unique and fast solution to enlarge your bores. Our innovative pilot drill bit can fit two hole saws, allowing you to enlarge a hole in seconds.

X4 FAST PLUG REMOVAL

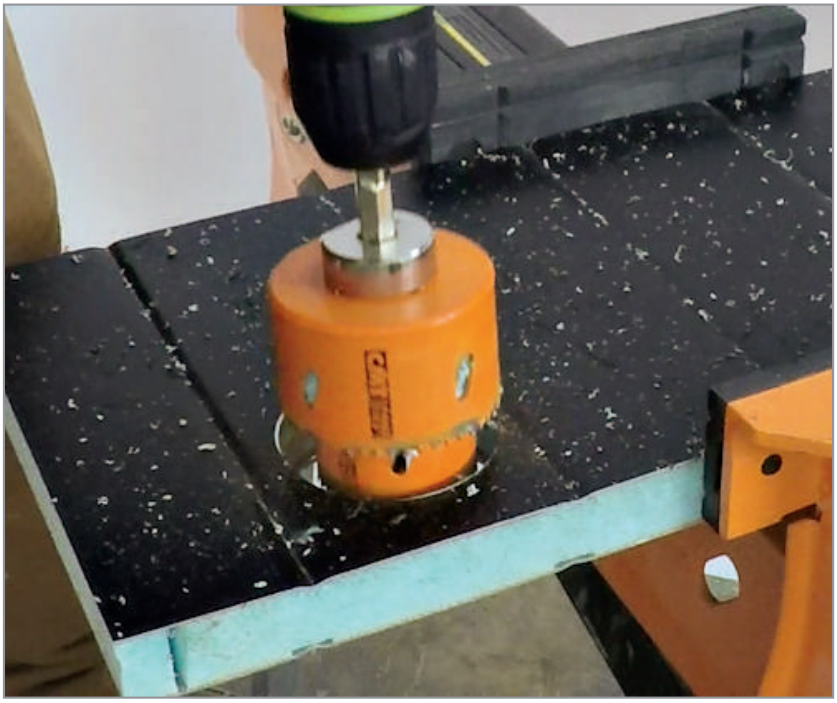
EASY PLUG REMOVAL IN ONE CLICK!

No more screwdrivers or tools!
The plug is effortlessly removed by reversing the pilot drill bit.

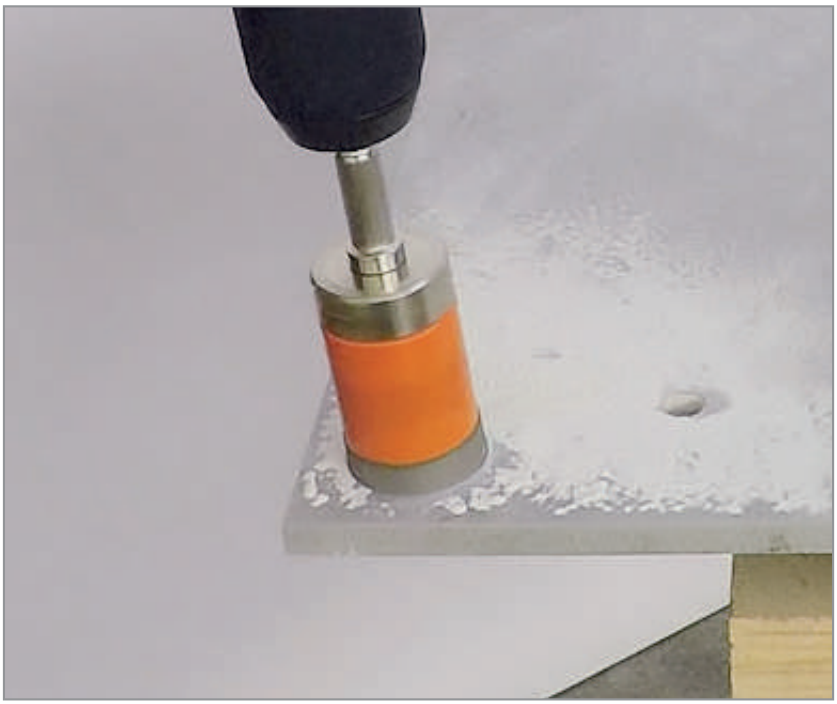




Hole Saws



PRODUCTS	PAGE
Tungsten Carbide-Tipped	340-341
Tungsten Carbide-Tipped Long	342-343
Tungsten Carbide-Tipped with Countersink	343
Bi-Metal Plus 8% Cobalt	344-345
Diamond Dry	346~348
Hole Saw Sets	349



Join us on our YouTube

FASTX4 SYSTEM: THE HOLE SAW REVOLUTION!

The innovative patented FASTX4 system makes the hole saw arbor obsolete. These hole saws have been specifically designed to ensure maximum productivity, lifetime and performance in all materials. CMT offers a professional range for electricians, carpenters, builders, kitchen fitters and all related heating, ventilation and plumbing trades.

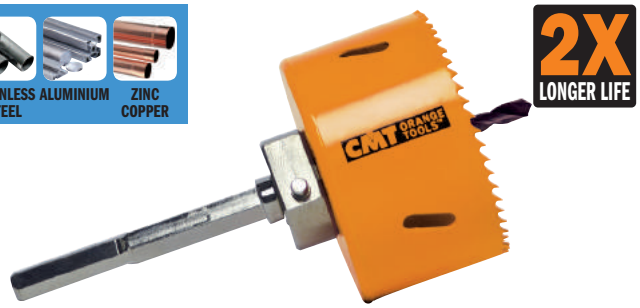
SERIES 550 TUNGSTEN CARBIDE-TIPPED
SERIES 553 TUNGSTEN CARBIDE-TIPPED LONG

HW

LONG LASTING CONSTRUCTION GRADE CARBIDE.
A special formulated construction grade carbide is used for the cutting teeth, which provides 10 times longer cutting life.

Tungsten carbide-tipped multi-purpose hole saws are designed for use in a wide variety of materials such as soft and hardwoods, chipboard, plywood, MDF, plastic, gypsum/plasterboard, soft tiles (surface hardness ≤6 Mohs), solid brick, brick with cavities, aerated concrete block, lightweight aggregate block, breeze block and soft density lime-sandstone building block (max 30 N/mm² hardness).

SERIES 551 BI-METAL PLUS 8% COBALT

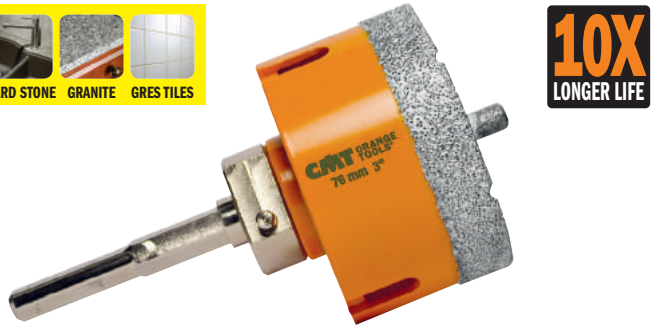


BIM 8% Co

BI-METAL PLUS 8% COBALT
Premium bi-metal with 8% cobalt provides Xtreme results in performance and up to 50% longer lifetime than the competition.

Special tooth geometry with regular pitch provides a smoother cut and better chip clearance preventing clogging and heat build-up. Teeth are alternate & side set to minimize binding and friction requiring less feed pressure. Ideal for mild steel (up to 1000 N/mm² strenght), stainless steel, non-ferrous metal, aluminium, cast iron, copper and galvanized sheet metal.

SERIES 552 DIAMOND DRY



GRIT

DIAMOND GRIT PREMIUM GRADE
Very well-shaped and extremely strong cubo-octahedral inclusion-free heat-resistant crystals to deliver fast clean cuts up to 10 times longer life.

Diamond dry hole saw with continuous edge have been specially developed for professionals that need to drill in extremely hard materials such as tiles (ceramic, gres, etc.), hard stone (granite, marble, etc.), artifical stone (Okite®, Silestone®, etc.), where it is increasingly difficult to drill with conventional hole saws.
These hole saws guarantee excellent performance and superior lifetime even in the hardest materials.

EYE-CATCHING PACKAGING

03.01.0297 *(empty box)*

03.01.0296 *(empty box)*

Teeth are protected with heat shrink wrap film

FASTX4 Hole Saw Application Chart

CMT ORANGE TOOLS®

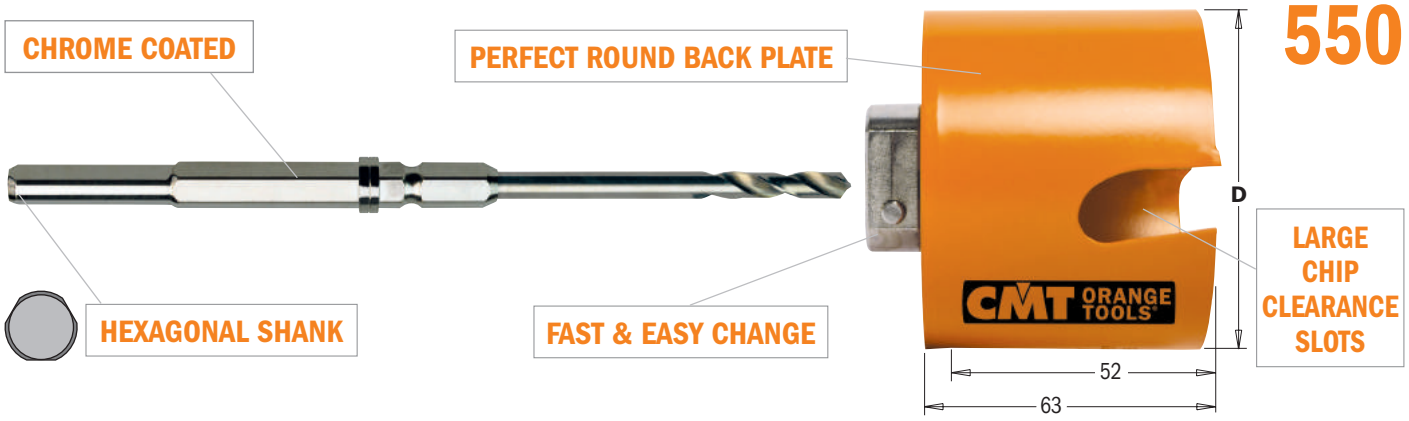
Material	Serie 550-553	Serie 551	Serie 552	Tips
Soft and hardwood	>500 holes	<30 holes		
Plywood, table top	>500 holes	<30 holes		
MDF, chipboard, venereed	>500 holes	<30 holes		
Laminated, Trespa®, HPL	>500 holes	<10 holes		
Gypsum and plasterboard	>500 holes	<50 holes		
Fibercement boards, Eternit®	>50 holes	<10 holes		
Sandwich materials		50~75 holes		
Plastic	>100 holes	<20 holes		
Fiberglass	50~100 holes			
Acrylic glass	>100 holes			
Roofing and soft tiles	>50 holes			Not suitable for ceramic tiles
Solid bricks, masonry	>50 holes			
Perforated bricks	>50 holes			
Lime bricks	>50 holes			
Porous and lightweight concrete	>500 holes	<20 holes		
Metals and thin sheet metals		10~40 holes		Use coolant oil
Non-ferrous metals		50~75 holes		Use coolant oil
Aluminium		50~75 holes		Use coolant oil
Stainless steel		30~50 holes		Use coolant oil. Low speed.
Cast iron		5~10 holes		Use coolant oil
Copper, galvanized sheet metal, brass		50~75 holes		Use coolant oil
Tiles (porcelain, gres, quarry)			10~50 holes	Reapply lubricating wax on diameters ranging from 8mm to 16mm
Hard stone (granite, marble), Okite			10~50 holes	Reapply lubricating wax on diameters ranging from 8mm to 16mm

The number of holes is approximate. Material type, thickness and speed can affect such performance.

Examples of applications based on diameter and user (may vary from country to country)

Diameter in mm	19	22	25	30	35	40	44	48	51	54	57	60	64	68	70	76	83	86	92	102	105	127	152	
Application																								**User**
Fitted light	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●			Electrician
Cable feedthrough box				●	●							●						●						
Switch boxes													●											
Plug sockets														●										
Junction boxes															●	●								
Distributor boxes																	●	●						
Air conditioning pipes																				●	●			Heating fitter
Sanitary and heating pipes	●		●	●	●																			Plumber and heating fitter
Sanitary, drain and water pipes (insulated)						●	●	●																

550



HW **Long Lasting Construction Grade Carbide.**
Cutting teeth are made of a special formulated construction grade carbide which provides a longer cutting life.

Secured Tooth Technology
As a result of the latest technology, teeth are secured to prevent any breakage during impact with hard materials.

10X LONGER LIFE 5X FASTER

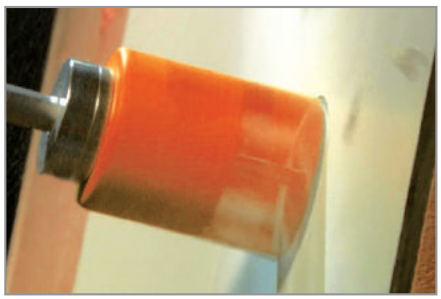
The plug is effortlessly removed thanks to the innovative slots

MATERIALS

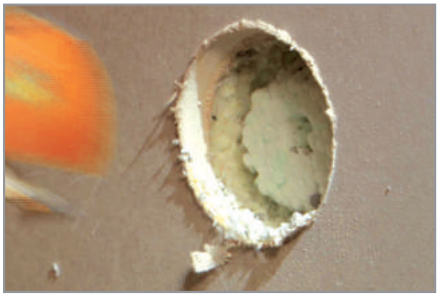
- soft, hardwood and plywood
- chipboard, MDF, veneered, laminated and table top
  (pre-drill the laminate/melamine by using left-hand rotation for clean finishing)
- gypsum, plasterboard, fibercement board, Eternit®
- plastics (Trespa®, PVC, nylon, polyester)
- fiberglass and acrylic glass
- sof tiles (surface hardness ≤6 Mohs), solid bricks and bricks with cavities, aerated concrete blocks, lightweight aggregate blocks and breeze blocks, soft density lime-sandstone building blocks (max 30 N/mm² hardness); for hardness >30 N/mm² use the diamond dry hole saws.

Soft tiles (surface hardness ≤6 Mohs)

Wood & MDF



Trespa® & Plastic



Plasterboard

Soft bricks

Lime bricks

Use the recommended speeds to get optimum lifetime. The speed affects the hole quality.
Always pre-drill with the center drill to achieve best results.
The percussion/hammer action mode must be turned off when using these hole saws.

NEVER USE HAMMER MECHANISM

FASTX4 Multi-Purpose Hole Saws

CMT ORANGE TOOLS®

D mm	D inches	Z	Wood & Mdf RPM	Pvc & Fiberglass RPM	Masonry, brick RPM	Soft Tiles RPM	S		ORDER NO.
19	3/4	1	1.600	1.000	1.000	640	Hexagonal	10	**550-019**
20	13/16	1	1.600	1.000	1.000	640	Hexagonal	10	**550-020**
22	7/8	1	1.460	1.000	1.000	580	Hexagonal	10	**550-022**
25	1	1	1.280	1.000	1.000	510	Hexagonal	10	**550-025**
29	1-1/8	1	1.100	940	940	440	Hexagonal	10	**550-029**
30	1-3/16	1	1.070	910	910	430	Hexagonal	10	**550-030**
32	1-1/4	1	1.000	850	850	400	Hexagonal	10	**550-032**
35	1-3/8	1	920	780	780	370	Hexagonal	10	**550-035**
38	1-1/2	2	840	720	720	340	Hexagonal	10	**550-038**
40	1-9/16	2	800	680	680	320	Hexagonal	10	**550-040**
44	1-3/4	2	730	620	620	290	Hexagonal	10	**550-044**
new 48	1-7/8	2	680	580	580	270	Hexagonal	10	**550-048**
51	2	3	630	540	540	250	Hexagonal	10	**550-051**
52	2-1/16	3	620	530	530	250	Hexagonal	10	**550-052**
54	2-1/8	3	590	510	510	240	Hexagonal	10	**550-054**
56	2-3/16	3	570	490	490	230	Hexagonal	10	**550-056**
57	2-1/4	3	560	480	480	220	Hexagonal	10	**550-057**
60	2-3/8	3	530	460	460	210	Hexagonal	10	**550-060**
64	2-1/2	3	500	430	430	200	Hexagonal	10	**550-064**
65	2-9/16	3	500	430	430	200	Hexagonal	10	**550-065**
68	2-11/16	3	470	400	400	190	Hexagonal	10	**550-068**
70	2-3/4	3	460	390	390	180	Hexagonal	10	**550-070**
73	2-7/8	3	440	370	370	180	Hexagonal	10	**550-073**
76	3	3	420	360	360	170	Hexagonal	10	**550-076**
79	3-1/8	3	410	350	350	160	Hexagonal	10	**550-079**
80	3-5/32	3	400	340	340	160	Hexagonal	10	**550-080**
82	3-15/64	3	390	330	330	160	Hexagonal	10	**550-082**
83	3-1/4	3	390	330	330	150	Hexagonal	10	**550-083**
89	3-1/2	3	360	310	310	140	Hexagonal	10	**550-089**
92	3-5/8	3	350	300	300	140	Hexagonal	10	**550-092**
102	4	5	310	270	270	130	Hexagonal	5	**550-102**
105	4-1/8	5	310	260	260	120	Hexagonal	5	**550-105**
108	4-1/4	5	300	250	250	120	Hexagonal	5	**550-108**
111	4-3/8	5	290	250	250	120	Hexagonal	5	**550-111**
114	4-1/2	5	280	240	240	110	Hexagonal	5	**550-114**
118	4-5/8	5	280	240	240	110	Hexagonal	2	**550-118**
127	5	5	250	220	220	100	Hexagonal	2	**550-127**
133	5-1/4	5	240	210	210	100	Hexagonal	2	**550-133**
152	6	5	210	180	180	80	Hexagonal	2	**550-152**
new 160	6-9/32	7	200	150	150	100	Hexagonal	2	**550-160**
168	6-5/8	7	200	150	150	120	Hexagonal	2	**550-168**
new 185	7-1/4	7	200	150	150	120	Hexagonal	2	**550-185**
210	8-1/4	7	200	150	150	120	Hexagonal	1	**550-210**
225	8-7/8	9	160	120	120	95	Hexagonal	1	**550-225**
260	10-1/4	9	150	110	110	80	Hexagonal	1	**550-260**
270	10-5/8	9	140	100	100	70	Hexagonal	1	**550-270**

550-HS1 For **Ø20-30mm (25/32" - 1-3/16")**.
Hexagonal shank for **10mm** (25/64") chuck, HSS center drill, total length 180mm (7-5/64").

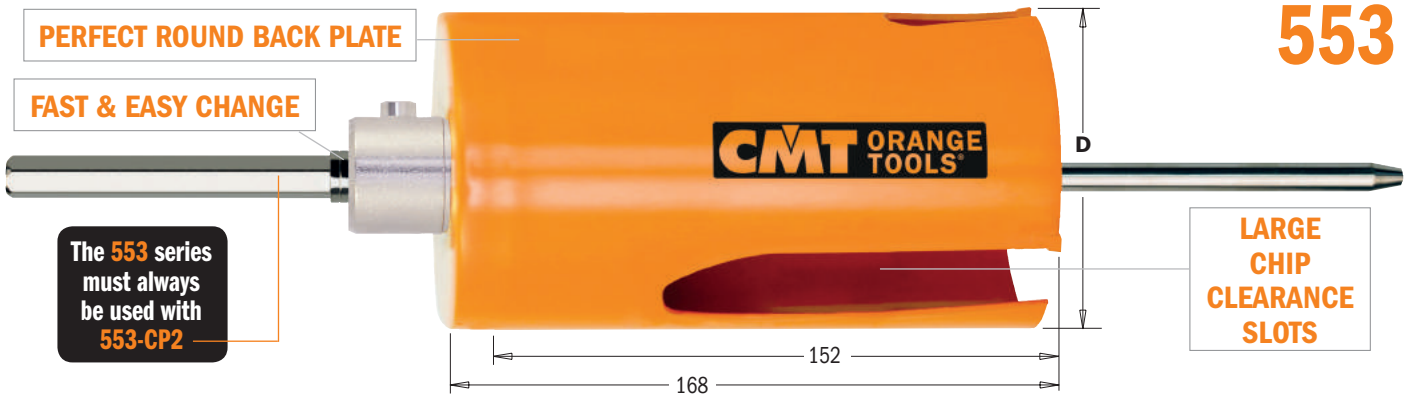
550-HW1 For **Ø20-30mm (25/32" - 1-3/16")**.
Hexagonal shank for **10mm** (25/64") chuck, HW center drill, total length 180mm (7-5/64").

550-HS2 For **Ø32mm (1-1/4") and above**.
Hexagonal shank for **13mm** (1/2") chuck, HSS center drill, total length 180mm (7-5/64").

550-HW2 For **Ø32mm (1-1/4") and above**.
Hexagonal shank for **13mm** (1/2") chuck, HW center drill, total length 180mm (7-5/64").

550-DB1 Adapter for easy bore enlargement and plug removal. For use with hole saws having different hexagonal shank sizes. Hexagonal shank **13mm** (1/2").

**Bore enlargement: feasible with hole saws with 9mm minimum difference between largest and smallest diameter.*



HW **Long Lasting Construction Grade Carbide.**
Cutting teeth are made of a special formulated construction grade carbide which provides a longer cutting life.

Secured Tooth Technology
As a result of the latest technology, teeth are secured to prevent any breakage during impact with hard materials.

10X LONGER LIFE **5X** FASTER

553-CP2

Heavy Duty center pin Ø10mm (25/64").
Hexagonal shank, total length 330mm (13").

D mm	D inches	Z	Wood & Mdf RPM	Pvc & Fiberglass RPM	Masonry, brick RPM	Tiles RPM	S		Order No.
32	1-1/4	1	800	600	600	400	Hexagonal	10	**553-032**
45	1-3/4	2	600	450	450	350	Hexagonal	10	**553-045**
51	2	2	600	450	450	350	Hexagonal	10	**553-051**
60	2-3/8	2	500	350	350	300	Hexagonal	10	**553-060**
65	2-9/16	3	500	350	350	300	Hexagonal	10	**553-065**
68	2-11/16	3	500	350	350	300	Hexagonal	10	**553-068**
70	2-3/4	3	500	350	350	300	Hexagonal	10	**553-070**
76	3	3	500	350	350	300	Hexagonal	10	**553-076**
80	3-5/32	3	300	250	250	200	Hexagonal	10	**553-080**
83	3-1/4	3	300	250	250	200	Hexagonal	10	**553-083**
86	3-3/8	3	300	250	250	200	Hexagonal	10	**553-086**
92	3-5/8	3	300	250	250	200	Hexagonal	10	**553-092**
102	4	4	300	250	250	200	Hexagonal	5	**553-102**
105	4-1/8	4	300	250	250	200	Hexagonal	5	**553-105**
111	4-3/8	4	200	150	150	120	Hexagonal	5	**553-111**
114	4-1/2	4	200	150	150	120	Hexagonal	5	**553-114**
121	4-3/4	4	200	150	150	120	Hexagonal	5	**553-121**
127	5	5	200	150	150	120	Hexagonal	5	**553-127**
130	5-1/8	5	200	150	150	120	Hexagonal	5	**553-130**
133	5-1/4	5	200	150	150	120	Hexagonal	5	**553-133**
140	5-1/2	5	200	150	150	120	Hexagonal	1	**553-140**
152	6	5	200	150	150	120	Hexagonal	1	**553-152**
160	6-5/16	6	200	150	150	120	Hexagonal	1	**553-160**
177	7	6	200	150	150	120	Hexagonal	1	**553-177**
190	7-1/2	6	200	150	150	120	Hexagonal	1	**553-190**
210	8-1/4	7	200	150	150	120	Hexagonal	1	**553-210**

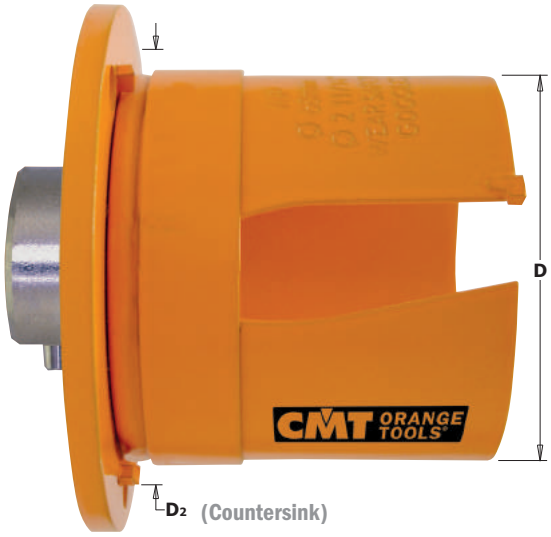
542.100.51

Auger bit **Ø10mm (25/64")** to pre-drill deep holes in wood and wood-based.
Hexagonal shank, total length 200mm (7-7/8").

553-HW10

Carbide tipped bit **Ø10mm (25/64")** to pre-drill deep holes in masonry materials.
Hexagonal shank, total length 200mm (7-7/8").

550CS



FLUSH-MOUNT

NO FLUSH-MOUNT

APPLICATIONS

in plasterboard, gypsum, wood, plywood, chipboard, MDF, fiber cement boards, plastics, bricks and tiles **for electric flush-mount case installation.**

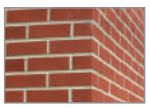
Example of commercial electric flush-mount boxes.

D mm	D inches	D_2 mm	D_2 inches	Z	Wood & Mdf RPM	Pvc & Fiberglass RPM	Masonry, brick RPM	Tiles RPM	S		ORDER NO.
68	2-11/16	74	2-15/16	3+3	470	400	400	190	Hexagonal	10	**550-068CS**

Hole Saws Accessories

550-HS2XL For **Ø32mm (1-1/4") and above**.
Long heavy duty, hexagonal shank for 13mm (1/2") chucks, HSS center drill, total length 320mm (12-19/32").

550-HW2XL For **Ø32mm (1-1/4") and above**.
Long heavy duty, hexagonal shank for 13mm (1/2") chucks, HW center drill, total length 320mm (12-19/32").



551-HS2XL For **Ø32mm (1-1/4") and above**.
Long heavy duty, hexagonal shank for 13mm (1/2") chucks, HSS center drill, total length 320mm (12-19/32").

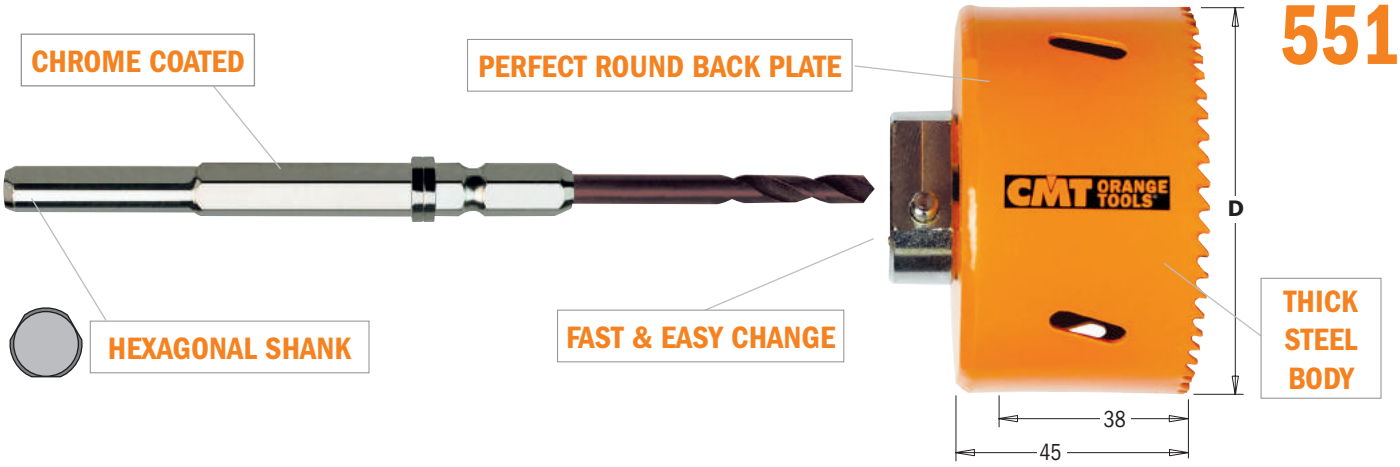
550-EX1 / 550-EX2 **Extension for Pilot Bits.**
Long heavy duty, hexagonal shank for 13mm (1/2") chucks. Not compatible with XL accessories.

S	L mm	L inches	For Chuck mm		ORDER NO.
Hexagonal	300	11-13/16	10	10	**550-EX1**
Hexagonal	300	11-13/16	13	10	**550-EX2**

550-SDS1 / 550-SDS2 **SDS Adapter for Pilot Bits.**
SDS shank. Not compatible with XL and EX accessories.

S	L mm	L inches	For Chuck mm		ORDER NO.
SDS	95	3-3/4	10	10	**550-SDS1**
SDS	95	3-3/4	13	10	**550-SDS2**

551

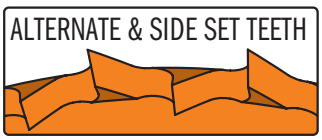


MATERIALS

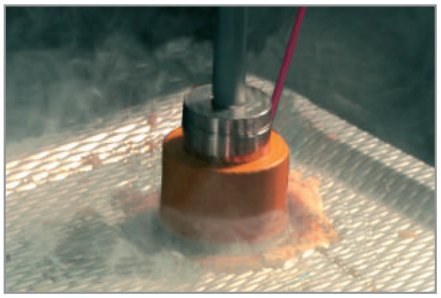
- metals (up to 1000 N/mm² strenght)
- mild steel,
- stainless steel
- non-ferrous metals, aluminium
- sandwich materials
- cast iron
- copper, galvanized sheet metal, brass

BIM 8% Co — **Bi-Metal Plus 8% Cobalt**
Premium bi-metal with 8% cobalt provides Xtreme results in performance and up to 50% longer lifetime than the competition.

2X LONGER LIFE



Teeth design
Special tooth geometry with regular pitch provides a smoother cut and better chip clearance preventing clogging and heat build-up. Teeth are alternate & side set to minimize binding and friction, requiring less feed pressure.



Stainless steel and cast iron

Galvanized sheet metal, aluminium and copper

SPEED KILLS!

Operating at higher speeds than those recommended will shorten hole saw life and produce very inefficient cutting.

FEED PRESSURE:

Variables in material, work configuration should be considered. Apply sufficient feed pressure to aid good chip removal. Reduce the pressure when hole saw becomes hot or if teeth start to clog with material.
Insufficient feed pressure will dull tooth points prematurely, but too much pressure can totally destroy teeth.

COOLING LUBRICANT:

Cutting oil serves several purposes when sawing in metals:
- it cools saw and workpiece
- it reduces heat and abrasion, which can shorten cutting life
- it also helps remove swarf from the cutting surface
- using a cooling lubricant will extend your hole saw life by 500%.

Percussion/hammer action mode must be turned off when using these hole saws.

NEVER USE HAMMER MECHANISM

FASTX4 Bi-Metal Plus Hole Saws

CMT ORANGE TOOLS®

D mm	D inches	Metal RPM	Stainless Steel RPM	Cast Iron RPM	Aluminium RPM	S		ORDER NO.
16	5/8	550	270	370	800	Hexagonal	10	**551-016**
19	3/4	470	230	310	670	Hexagonal	10	**551-019**
20	13/16	440	220	290	640	Hexagonal	10	**551-020**
22	7/8	400	200	270	580	Hexagonal	10	**551-022**
25	1	350	170	230	510	Hexagonal	10	**551-025**
27	1-1/16	330	160	220	470	Hexagonal	10	**551-027**
29	1-1/8	310	150	200	440	Hexagonal	10	**551-029**
30	1-3/16	300	140	190	430	Hexagonal	10	**551-030**
32	1-1/4	280	140	180	400	Hexagonal	10	**551-032**
35	1-3/8	250	120	170	370	Hexagonal	10	**551-035**
38	1-1/2	230	110	150	340	Hexagonal	10	**551-038**
40	1-9/16	220	110	150	320	Hexagonal	10	**551-040**
43	1-11/16	210	100	140	300	Hexagonal	10	**551-043**
44	1-3/4	200	100	130	290	Hexagonal	10	**551-044**
48	1-7/8	180	90	120	270	Hexagonal	10	**551-048**
51	2	170	85	110	250	Hexagonal	10	**551-051**
52	2-1/16	160	80	110	240	Hexagonal	10	**551-052**
54	2-1/8	160	80	110	240	Hexagonal	10	**551-054**
57	2-1/4	160	75	100	220	Hexagonal	10	**551-057**
60	2-3/8	150	70	95	210	Hexagonal	10	**551-060**
64	2-1/2	140	70	90	205	Hexagonal	10	**551-064**
65	2-9/16	140	70	90	205	Hexagonal	10	**551-065**
68	2-11/16	130	65	80	185	Hexagonal	10	**551-068**
70	2-3/4	130	60	80	185	Hexagonal	10	**551-070**
73	2-7/8	120	60	80	180	Hexagonal	10	**551-073**
76	3	120	55	75	170	Hexagonal	10	**551-076**
79	3-1/8	110	55	70	165	Hexagonal	10	**551-079**
83	3-1/4	105	50	70	155	Hexagonal	10	**551-083**
86	3-3/8	105	50	65	150	Hexagonal	10	**551-086**
89	3-1/2	100	50	65	145	Hexagonal	10	**551-089**
92	3-5/8	95	45	60	140	Hexagonal	10	**551-092**
102	4	85	45	55	130	Hexagonal	5	**551-102**
105	4-1/8	80	40	55	120	Hexagonal	5	**551-105**
108	4-1/4	80	40	55	120	Hexagonal	5	**551-108**
114	4-1/2	80	40	55	120	Hexagonal	5	**551-114**
127	5	70	35	45	90	Hexagonal	2	**551-127**
133	5-1/4	65	35	45	90	Hexagonal	2	**551-133**
140	5-1/2	65	30	40	85	Hexagonal	2	**551-140**
152	6	55	25	35	75	Hexagonal	2	**551-152**
168	6-5/8	55	25	35	75	Hexagonal	2	**551-168**
Cooling		CUTTING OIL	CUTTING OIL	DRY	TURPENTINE			

551-HS1

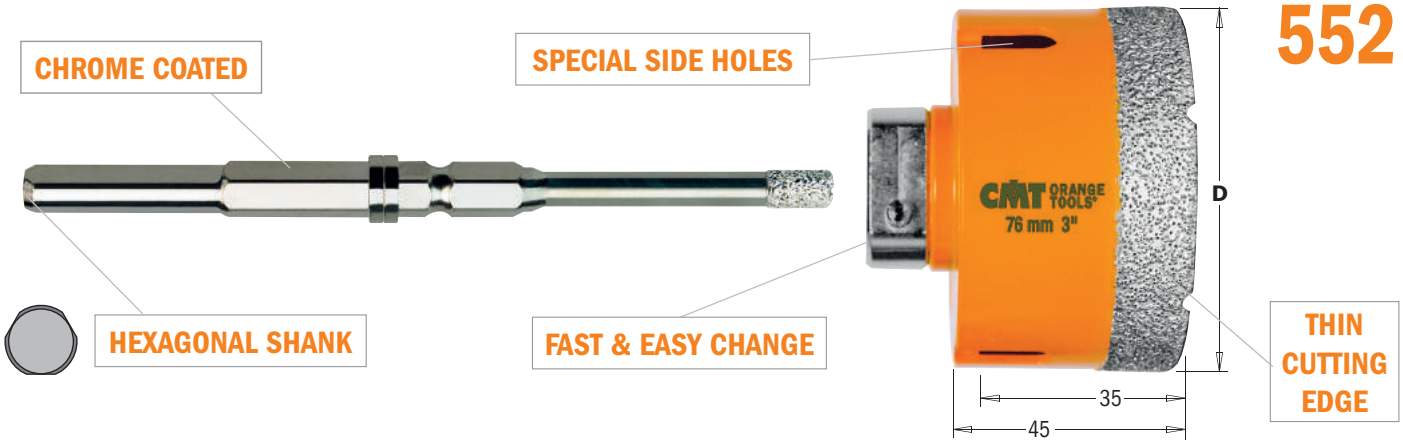
For Bi-Metal PLUS hole saws **Ø16-30mm (5/8" - 1-3/16")**.
Hexagonal shank for **10mm** (25/64") chuck, HSS center drill, total length 160mm (6-5/16").

551-HS2

For Bi-Metal PLUS hole saws **Ø32 (1-1/4") and above**.
Hexagonal shank for **13mm** (1/2") chuck, HSS center drill, total length 160mm (6-5/16").

CMT ORANGE TOOLS®

552



MATERIALS

- tiles (ceramic, gres, etc.)
- hard stones (granite, marble, etc.)
- artificial stone (Okite®, Silestone®, etc.)

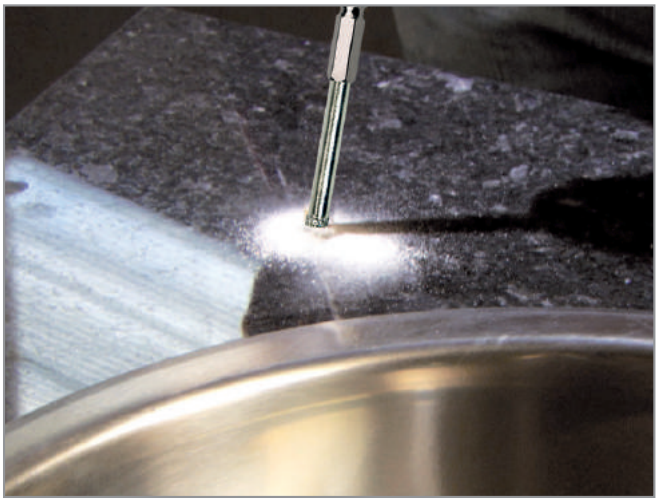
GRIT

Diamond Grit Premium Grade
Well-shaped and extremely strong cubo-octahedral inclusion-free heat-resistant crystals deliver fast, clean cuts up to 10 times longer life.

10X LONGER LIFE

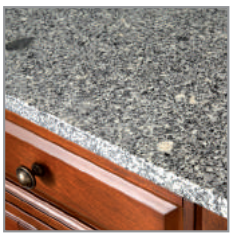
Diamond dry hole saw with continuous edge have been specially developed for professionals that need to drill in extremely hard materials where it is increasingly difficult to drill with conventional hole saws.
These hole saws guarantee excellent performance and superior lifetime!

Ceramic and Gres tiles



Granite and Marble

HARD STONE



GRANITE

GRES TILES

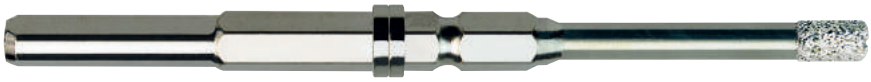
Percussion/hammer action mode must be turned off when using these hole saws.
We recommend the use of a high speed drill (minimum 14V recommended).
Always pre-drill with the center drill to achieve the best results.
Center drill reduces the risk of slipping of hole saw.

NEVER USE HAMMER MECHANISM

D mm	D inches	Tiles (Ceramic & Gres) Hard Stone, Artifical Stone	S		ORDER NO.
18	45/64	RPM 1500 ~ 4000	Hexagonal	10	**552-018**
20	13/16	RPM 1500 ~ 4000	Hexagonal	10	**552-020**
25	1	RPM 1500 ~ 4000	Hexagonal	10	**552-025**
32	1-1/4	RPM 1500 ~ 4000	Hexagonal	10	**552-032**
35	1-3/8	RPM 1500 ~ 4000	Hexagonal	10	**552-035**
38	1-1/2	RPM 1500 ~ 4000	Hexagonal	10	**552-038**
51	2	RPM 1500 ~ 4000	Hexagonal	10	**552-051**
55	2-3/16	RPM 1500 ~ 4000	Hexagonal	10	**552-055**
68	2-11/16	RPM 1500 ~ 4000	Hexagonal	10	**552-068**
73	2-7/8	RPM 1500 ~ 4000	Hexagonal	10	**552-073**
76	3	RPM 1500 ~ 4000	Hexagonal	10	**552-076**
111	4-3/8	RPM 1500 ~ 4000	Hexagonal	5	**552-111**

552-DD1

For diamond dry hole saws ≤ **Ø30mm (1-3/16")**.
Hexagonal shank for **10mm** (25/64") chuck, 8mm diamond center drill, total length 143mm (5-5/8").



552-DD2

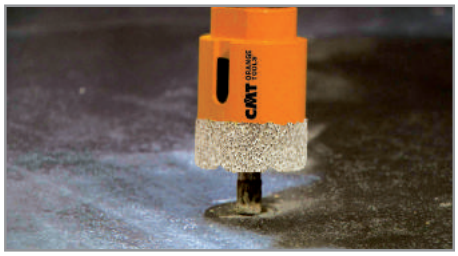
For diamond dry hole saws ≥ **Ø32mm (1-1/4")**.
Hexagonal shank for **13mm** (1/2") chuck, 10mm diamond center drill, total length 143mm (5-5/8").

552-WAX

Jar **20ml. (0.68oz)**. Cooling Wax, for perfect cooling and lubrication.

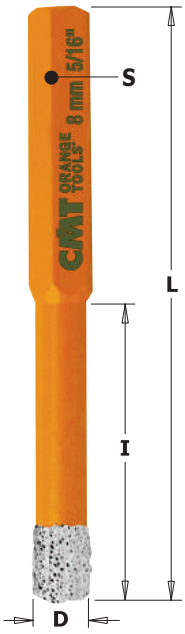
NO WATER, LESS MESS!

Diamond dry step-by-step

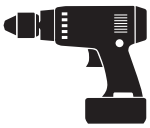


new

CMT ORANGE TOOLS®



HEX



RPM 1500 ~ 4000

Filled with cooling wax

552-0

D mm	D inches	I mm	L mm	Tiles (Ceramic & Gres) Hard Stone, Artifical Stone	S		ORDER NO.
5	13/64	30	68	RPM 1500 ~ 4000	Hexagonal	10	552-005
6	1/4	30	68	RPM 1500 ~ 4000	Hexagonal	10	552-006
8	5/16	40	80	RPM 1500 ~ 4000	Hexagonal	10	552-008
10	3/8	40	80	RPM 1500 ~ 4000	Hexagonal	10	552-010
12	15/32	40	80	RPM 1500 ~ 4000	Hexagonal	10	552-012
14	9/16	40	80	RPM 1500 ~ 4000	Hexagonal	10	552-014
16	5/8	40	80	RPM 1500 ~ 4000	Hexagonal	10	552-016

552-001-05
5 PIECE HOLE SAW SET

- 552-005
- 552-006
- 552-008
- 552-010
- 552-012

M14

MAX RPM 14000

19mm 3/4"

Filled with cooling wax

552-5

D mm	D inches	I mm	L mm	Tiles (Ceramic & Gres) Hard Stone, Artifical Stone	S		ORDER NO.
6	1/4	35	60	MAX RPM 14000	M14	10	552-506
8	5/16	35	60	MAX RPM 14000	M14	10	552-508
10	3/8	35	60	MAX RPM 14000	M14	10	552-510
12	1/2	35	60	MAX RPM 14000	M14	10	552-512
20	13/16	35	60	MAX RPM 14000	M14	5	552-520
25	1	40	60	MAX RPM 14000	M14	5	552-525
28	1-1/8	40	60	MAX RPM 14000	M14	5	552-528
35	1-3/8	40	60	MAX RPM 14000	M14	5	552-535
43	1-3/4	40	60	MAX RPM 14000	M14	5	552-543
68	2-11/16	40	60	MAX RPM 14000	M14	5	552-568

552-501-06
6 PIECE HOLE SAW SET

- 552-506
- 552-008
- 552-010
- 552-012
- 552-GUIDE
- 552-EX14

552-EX14

Hexagonal adapter for electric drills (M14)

Pack Qty. 10 pc.

552-GUIDE

Vacuum Drill Guide with 7 holes

B mm	B inches		ORDER NO.
4 - 5 - 6 - 7 - 8 - 10 - 12	5/32 - 3/16 - 1/4 - 9/32 - 5/16 - 3/8 - 1/2	10	552-GUIDE

BUY HOLE SAWS + ARBORS AND YOU'LL GET THE CASE TO COLLECT THE WHOLE SET FOR FREE!

03.01.0297
The big case is provided empty, image is purely indicative.

03.01.0296
The small case is provided empty, image is purely indicative.

HW SERIES 550 TUNGSTEN CARBIDE-TIPPED

ORDER NO.	Ø	ORDER NO.	Ø	ORDER NO.
550-020	20	550-056	56	550-HS2
550-022	22	550-060	60	550-HW2
550-025	25	550-064	64	550-HS1
550-029	29	550-068	68	550-HW1
550-030	30	550-070	70	
550-032	32	550-073	73	
550-035	35	550-076	76	
550-040	40	550-080	80	
550-044	44	550-102	102	
550-051	51	550-152	152	

20+4 pcs.

BIM 8% Co SERIES 551 BI-METAL PLUS 8% COBALT

ORDER NO.	Ø	ORDER NO.	Ø	ORDER NO.
551-020	20	551-057	57	551-HS2
551-022	22	551-060	60	551-HS1
551-025	25	551-064	64	
551-027	27	551-068	68	
551-030	30	551-076	76	
551-035	35	551-079	79	
551-040	40	551-083	83	
551-043	43	551-089	89	
551-048	48	551-102	102	
551-051	51	551-108	108	

20+2 pcs.

HW SERIES 550 TUNGSTEN CARBIDE-TIPPED

ORDER NO.	Ø	ORDER NO.	Ø	ORDER NO.
550-025	25	550-060	60	550-HS2
550-032	32	550-064	64	550-HW2
550-035	35	550-068	68	550-HS1
550-040	40	550-080	80	550-HW1
550-051	51	550-102	102	

10+4 pcs.

BIM 8% Co SERIES 551 BI-METAL PLUS 8% COBALT

ORDER NO.	Ø	ORDER NO.	Ø	ORDER NO.
551-020	20	551-040	40	551-HS2
551-022	22	551-043	43	551-HS1
551-025	25	551-051	51	
551-030	30	551-060	60	
551-035	35	551-079	79	

10+2 pcs.

GRIT SERIES 552 DIAMOND DRY

ORDER NO.	Ø	ORDER NO.	Ø	ORDER NO.
552-005	5	552-016	16	552-DD2
552-006	6	552-020	20	552-DD1
552-008	8	552-025	25	552-WAX
552-010	10	552-032	32	
552-012	12	552-035	35	

10+3 pcs.

Power Tools, Jigs & Accessories

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Digital Angle Gauge & Finder	379
Diamond Whetstones	380
Bowl & Tray System	381
Folding Ruler	382
Carpenter Pencil	382
CMT Professional Tool Bag	382

CMT8E

QUICK ACCESS BRUSHES
change worn brushes quickly and easily.

SAFETY SWITCH SHUTTER
locks during bit change mode to prevent accidental power on.

SIDE AIR VENTS
reduces intake of dust into the motor casing when mounted upside-down in a router table.

ELECTRONIC SPEED CONTROL & SOFT START
From 8.000 - 20.000 RPM.

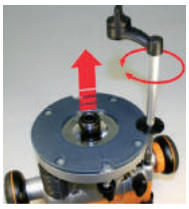
FULLY ENCLOSED GUARDING
provides maximum protection from the cutting zone.

MULTI-FUNCTION FENCE
provides excellent control for hand-held use and circle cutting.

QUICK FIT PINS
for fast fitment and removal from its fence.

TOP OF TABLE HEIGHT ADJUSTMENT

Top of table height adjustment is possible using the height winder handle from the template guide kit.

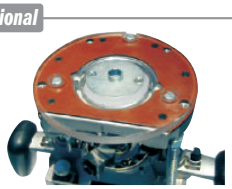


Optional

Clamping nuts and collets for CMT8E and CMT7E

Diameter	Order no.
D = 6mm	796.660.00
D = 6,35mm	796.664.00
D = 8mm	796.680.00
D = 10mm	796.700.00
D = 12mm	796.720.00
D = 12,7mm	796.727.00

Optional



Description	Order no.
Prebored router plate for CMT7E and CMT8E	CMT300-SB
Guide bush Ø30mm	899.007.00

Technical specifications

- Power..... 1 KW
- Input..... 220/230V (50/60Hz)
- No load speed ..... 8.000-20.000 RPM
- Plunge stroke 0-59mm
- Collet diameter..... Ø6-12,7mm
- Tool weight..... 3,8 Kg

Standard Equipment

- Extended baseplate with adjustable fence
- Fine micrometric adjustment knob.
- Dust extraction outlet
- Easy adjustment
- Wrench for easy cutter change
- Ø8 and Ø12mm collets
- 1 year warranty
- Instruction manual

Worldwide Technical Assistance

Description	Order no.
Router complete with standard equipment	CMT8E

CMT7E

REMOVABLE PLUNGE SPRING
for easy bit adjustment when table mounted.

ELECTRONIC SPEED CONTROL & SOFT START
From 8.000 - 20.000 RPM

SWITCH FROM A PLUNGE TO A FIXED BASE ROUTER
by simply pressing or releasing the button.

QUICK ACCESS BRUSHES
change worn brushes quickly and easily.

SAFETY SWITCH SHUTTER
locks during bit change mode to prevent accidental power on.

FULLY ENCLOSED GUARDING
provides maximum protection from the cutting zone.

MULTI-FUNCTION FENCE
provides excellent control for hand-held use and circle cutting.

SIDE AIR VENTS
reduces intake of dust into the motor casing when mounted upside-down in a router table.

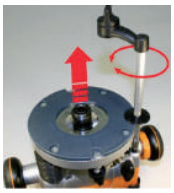
3 STAGE TURRET
with direct reading scales (mm) for precise preset cut depths.

QUICK FIT PINS
for fast fitment and removal from its fence.

Watch the video on YouTube

TOP OF TABLE HEIGHT ADJUSTMENT

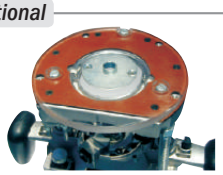
Top of table height adjustment is possible using the height winder handle from the template guide kit.



STANDARD EQUIPMENT
- Extended baseplate with adjustable fence
- Dust extraction outlet
- Infinite micro adjustment
- Wrench for easy cutter change
- Ø8 and Ø12mm collets
- 1 year warranty
- Instruction manual

Worldwide Technical Assistance

Optional



DESCRIPTION	ORDER NO.
Prebored router plate for CMT7E and CMT8E	CMT300-SB
Guide bush Ø30mm	899.007.00

Optional

Clamping nuts and collets for CMT8E and CMT7E

DIAMETER	ORDER NO.
D = 6mm	796.660.00
D = 6,35mm	796.664.00
D = 8mm	796.680.00
D = 10mm	796.700.00
D = 12mm	796.720.00
D = 12,7mm	796.727.00

TECHNICAL SPECIFICATIONS
- Power ..... 2.4 KW
- Input 220/230V (50/60Hz)
- No load speed ..... 8.000-20.000 RPM
- Plunge stroke 0-68mm
- Collet diameter Ø6-12,7mm
- Tool weight ..... 6,3 Kg

DESCRIPTION	ORDER NO.
Router complete with standard equipment	CMT7E

Fine WoodWorking MAGAZINE
BEST VALUE · BEST OVERALL · READERS' CHOICE · BEST OVERALL · BEST VALUE

CMT10

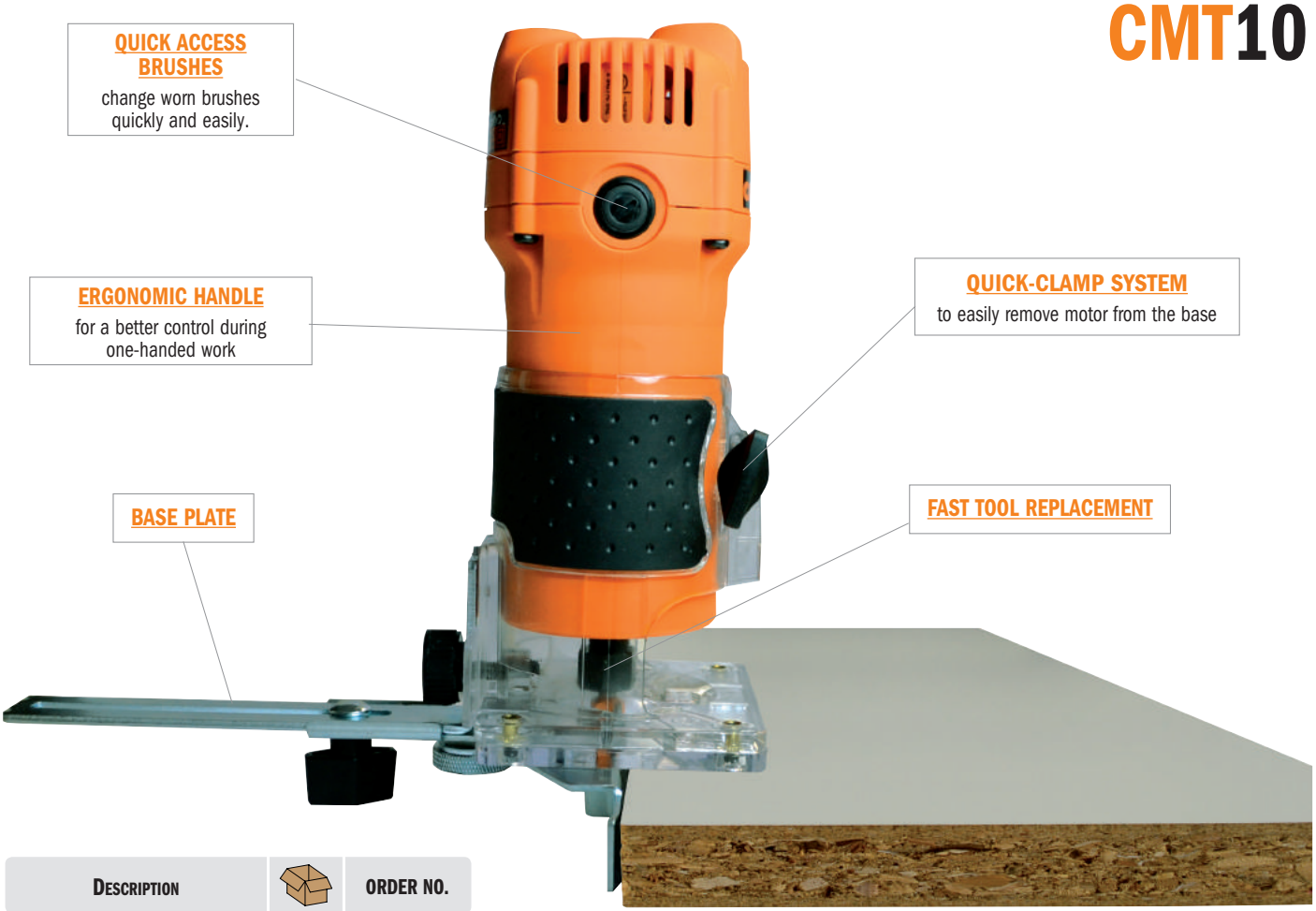
QUICK ACCESS BRUSHES
change worn brushes quickly and easily.

ERGONOMIC HANDLE
for a better control during one-handed work

QUICK-CLAMP SYSTEM
to easily remove motor from the base

BASE PLATE

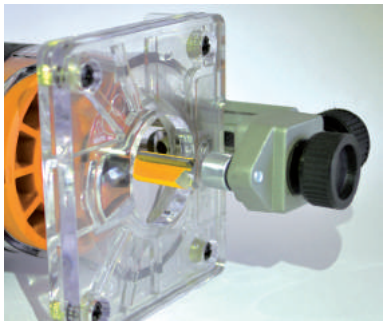
FAST TOOL REPLACEMENT



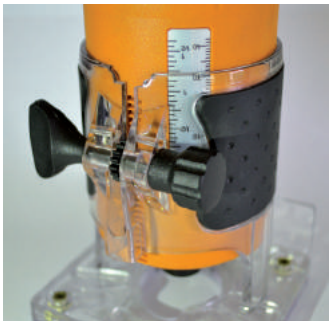
DESCRIPTION		ORDER NO.
550W Professional Trimmer	8	**CMT10**

Standard Equipment

Aluminium-embossed scale for accurate setting of the desired routing depth



Trimmer guide with Delrin® roller prevents marks on the workpiece



Fine depth adjustment

CMT10-54
Ø10mm guide bush

Standard Equipment
- Extended baseplate with adjustable fence
- Trimmer guide
- Guide bush
- 2 wrenches for easy cutter replacement (12 and 17mm)
- Ø6mm and Ø8mm collet
- 1 year warranty
- Instruction manual

Worldwide Technical Assistance

TECHNICAL SPECIFICATIONS:
- Power..... 550 Watt
- Input..... 220/230V (50/60Hz)
- No load speed..... 32.000 RPM
- Plunge stroke..... 0-24mm
- Collet diameter..... Ø6-8mm
- Tool weight..... 1,6 Kg

Spare parts

CMT10-16A
Dust guard & base plate

CMT10-17
Clamping nut

CMT10-18 Collet Ø6mm
CMT10-18A Collet Ø6,35mm
CMT10-18B Collet Ø8mm

CMT10-30
Pair of carbon brushes

CMT11

FAST LOCK

SPEED CONTROL 1~6

MULTI MATERIALS & APPLICATIONS:

- GRINDING
- SAWING
- JOINT OPENING
- PLASTIC CUTTING
- CARPET REMOVAL
- PLUNGE CUTTING
- WOOD CUTTING
- CUTTING LAMINATE SHEETS
- TUBE LENGTH TRIMMING
- NAIL CUTTING

INCLUDED:

HANDLE

VACUUM HOSE

DESCRIPTION		ORDER NO.
300W Oscillating Multi-Tools	5	CMT11

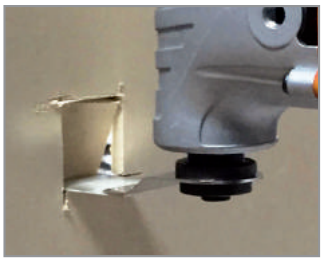
Standard Equipment

- 1 x Oscillating Multi-tool
- 1 x handle
- 1 x vacuum hose
- 1 x manual
- 1 x plastic carry case

Worldwide Technical Assistance

TECHNICAL SPECIFICATIONS:

- Power.....300 Watt
- Input.....220/230V (50/60Hz)
- No load speed .....11.000~21.000 RPM
- aw (vibration).....19,7m/s2 - K=1,5m/s2
- Tool weight.....1,5 Kg



New Professional Router Table

CE Approved

CMT ORANGE TOOLS®

999.110.00

Router table dimensions:
80x60x(h)90cm. - 26,5 kg. weight

Our quality bits have been designed for you, the professional craftsman, to allow you to confidently work at your best. CMT now offers even more possibilities with our professional router table: the perfect place to combine your skills and CMT quality.
The professional router table system has a strong and sturdy MDF laminate work surface measuring 80x60x2,5cm for easy mobility when working. This free standing table sits at a comfortable height of 90cm on solid high gauge steel legs and weighs 26,5 kg.
The plate is already pre-bored for CMT routers CMT7E but is adaptable to all brands and models of routers on the market. Plate can also fit any router bit up to 98mm in diameter. Choose from our wide range of bits, including multi profile and molding bits or even kitchen bit set. Work easily and safely on this table!

Optional

999.100.11
(mandatory for CE legislation)

order separately

DESCRIPTION	ORDER NO.
CMT professional router table system:	**999.110.00**
Electric safety switch *(mandatory for CE legislation)*	**999.100.11**
CMT7E router and 999.110.00 Professional router table + 999.100.11 Electric safety switch	**CMT7E-PRO**
Parts included with the table:	
1) Plate (**pre-bored for CMT7E**) with reduction rings	**999.110.33**
2) Lexan® safety shield	**999.110.06**
3) Standing spring press	**999.110.08**
4) Moulded ABS feather board	**999.110.09**
5) Transversal mitre gauge	**999.110.10**
Optional:	
Plate with 2 reduction rings **not bored (not for CMT routers)**	**999.110.03**

Industrio Routing System

CE Approved

CMT ORANGE TOOLS®

999.500.01

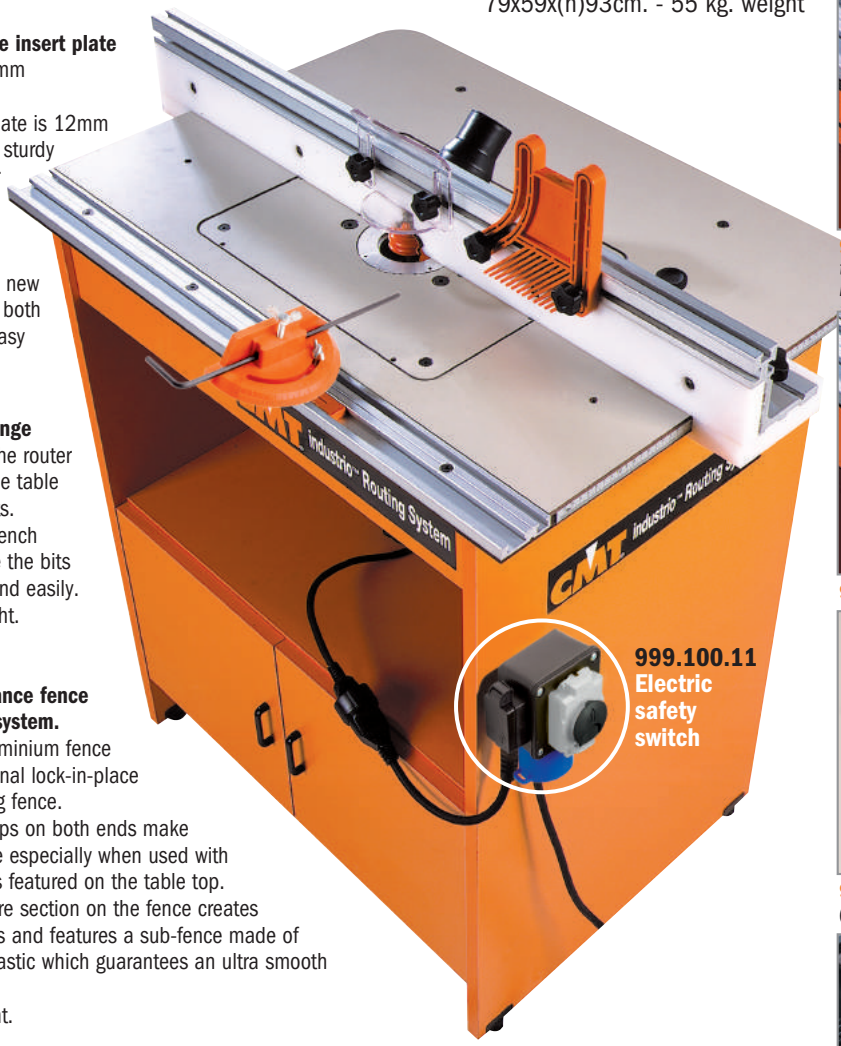
CMT has turned the Industrio routing system into a great tool with new accessories such as a phenolic insert, integral aluminium scales and an improved fence. Also, you will find some new optional features, such as a rugged moulded featherboard and a new mitre gauge.

Router table dimensions:
79x59x(h)93cm. - 55 kg. weight

The system includes:

999.501.09

Phenolic router table insert plate
Measuring 298x374mm (11-3/4"x14-3/4"), the phenolic insert plate is 12mm thick and is far more sturdy and resistent to wear and warping than regular melamine surfaces.
The top also features new aluminium scales on both ends for quick and easy fence setup.



Fast & Easy Bit Change
No need to remove the router or fumble beneath the table top to change the bits.
CMT's useful bent wrench allows you to replace the bits from above quickly and easily.
15 kg. shipping weight.

999.501.10

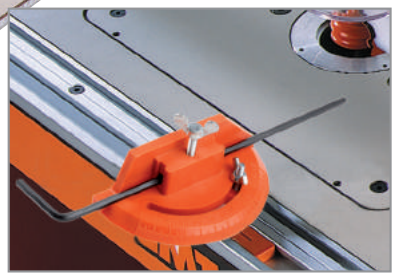
Pivoting, zero-clearance fence with new clamping system.
Use the extruded aluminium fence either as a conventional lock-in-place fence or as a pivoting fence.
Quick adjusting clamps on both ends make adjustments a breeze especially when used with the aluminium scales featured on the table top.
The replaceable centre section on the fence creates zero-clearance inserts and features a sub-fence made of high density white plastic which guarantees an ultra smooth feeding surface.
8.5kg shipping weight.

999.501.03

Sturdy Melamine Cabinet
Made of 20mm thick melamine, this cabinet is easy to assemble thanks to easy-to-fit screws and cross-dowels. A double-door storage compartment means your tools stay safe and dust-free.
32.5kg shipping weight.

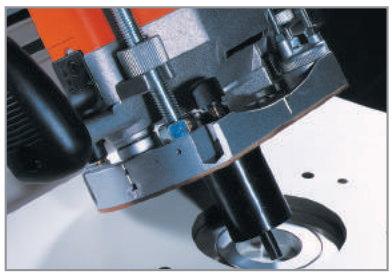
Watch the video on YouTube

999.501.07_Moulded ABS featherboard setup on table and in fence slots. Includes nuts, bolts and a plastic slide.



999.501.08_Mitre gauge.

999.501.18_Phenolic plate with aluminium rings (Ø103-69,5mm) **for CMT7E**.



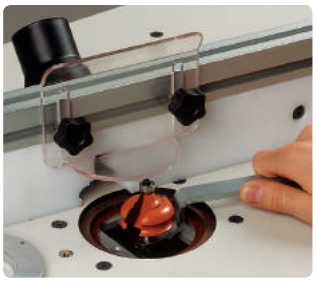
999.502.34_Centering device to perfect router positioning in the 8-12mm (5/16"-15/32") insert plate.

Optional

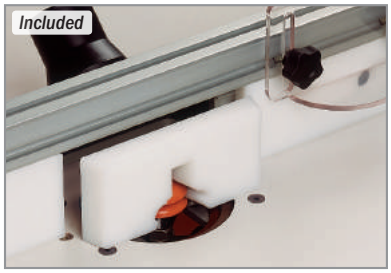
Bent wrenches for easy bit replacement

17mm 991.005.00
21mm 991.002.00
22,2mm 991.004.00
23,8mm 991.003.00
24mm 991.006.00*
28,6mm 991.001.00

*** For CMT7E and CMT8E routers**

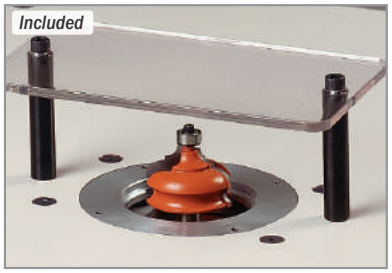


Included



999.502.10_Central section of the fence is removable for custom replacements.

Included



999.501.06_The dual and post-guard makes freehand work safer.

Description	Order No.
Industrio routing system (with prebored plate for CMT7E)	**999.500.01**
CMT7E router and 999.500.01 Industrio routing system + 999.100.11 Electric safety switch	**CMT7E-IND**
Electric safety switch *(mandatory for CE legislation)*	**999.100.11**
Optional:	
Universal phenolic plate with aluminium rings (Ø103-69,5mm), **not bored (not for CMT routers)**	**999.501.26**
Phenolic plate with (Ø103-69,5mm) aluminium rings **for CMT8E router**	**999.501.27**
Pair of (Ø103-69,5mm) reduction rings	**999.501.05N**

Pocket-Pro™ Joinery System

CMT ORANGE TOOLS®

PPJ-002

For fast, easy and accurate cabinet & furniture construction.
Designed by CMT and professional cabinetmakers, this new system allows you to make rock-solid pocket hole joints in stock 12,7mm (1/2") to 41,3mm (1-5/8") thick with unprecedented speed and accuracy.

The heart of the Pocket-Pro™ system is our unique moulded jig, which features hardened drill bushings and an interlocking two-piece design.
Sliding the jig up or down enables you to adjust the stock thickness in preset 1,6mm (1/16") increments without test joints or measurements!
If you have used other pocket hole jigs you will be familiar with many joint applications, but you will benefit from many Pocket-Pro™ system advantages.

For example:
- some jigs require adding or removing various parts of the jig to join different stock thicknesses. With the Pocket-Pro™ system you simply have to adjust the interlocking jig up or down for the full range of joints 12,7mm (1/2") to 41,3mm (1-5/8") thick;
- other jigs require frequent repositioning of the depth stop collar for different joint styles. CMT's Pocket-Pro™ joinery system allows you to make most of the adjustments leaving the stop collar in the same position of the drill bit;
- plus, with CMT's Pocket-Pro™ system you can quickly adjust the location of the pocket in relation to the end of your workpiece to create a stronger joint by using longer screws, or to leave more "meat" in the joint.

Check out the Pocket-Pro™ joinery system today.
Easy enough for beginners and accurate enough for professional workers, it is the world's most versatile pocket hole jig.

541.095.00 + 515.001.51

999.505.10

999.505.05

990.101X30

999.505.08

Description Optional	Order No.
500 fine screws L=31,7mm (1-1/4")	**990.101X500**
500 coarse screws L=31,7mm (1-1/4")	**990.102X500**
500 fine screws L=38,1mm (1-1/2")	**990.103X500**
500 coarse screws L=38,1mm (1-1/2")	**990.104X500**
Face clamp swivel pad	**999.505.06**
L=76mm (3") square drive screwdriver bit	**999.505.07**
Phenolic insert plate (for Pocket Pro™)	**999.505.04**

Description	Order No.
Pocket-Pro™ joinery system set	**PPJ-002**
Set contains:	
Pocket-Pro™ main parts	**999.505.10**
Toggle clamp	**999.505.05**
Ø9,5mm (3/8") step drill bit	**515.001.51**
Ø9,5mm (3/8") depth collar for step drill bit	**541.095.00**
L=152mm (6") Square drive screw driver bit	**999.505.08**
Masterpack 30 screw L=31,7mm (1-1/4")	**990.101X30**

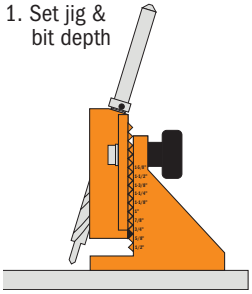
Optional

999.505.04
Phenolic insert plate (for Pocket Pro™)

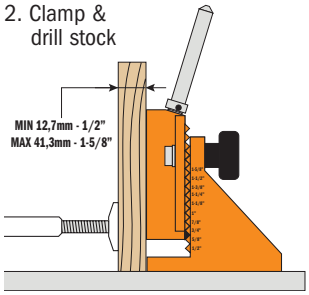
999.505.06
Face clamp with swivel pad

Enjoy Easy Pocket Hole Joinery!

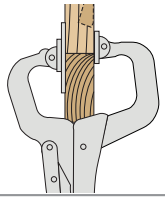
1. Set jig & bit depth



2. Clamp & drill stock

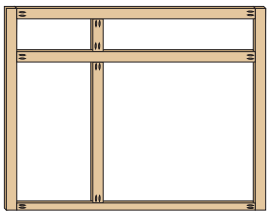


3. Assemble the joint!

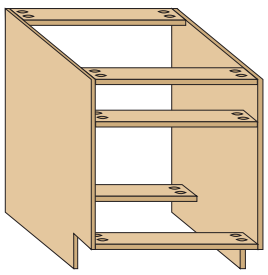


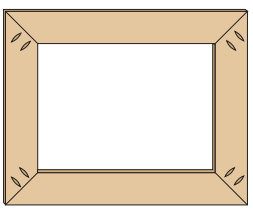
Build almost anything!

Face Frames



Cabinets and more!





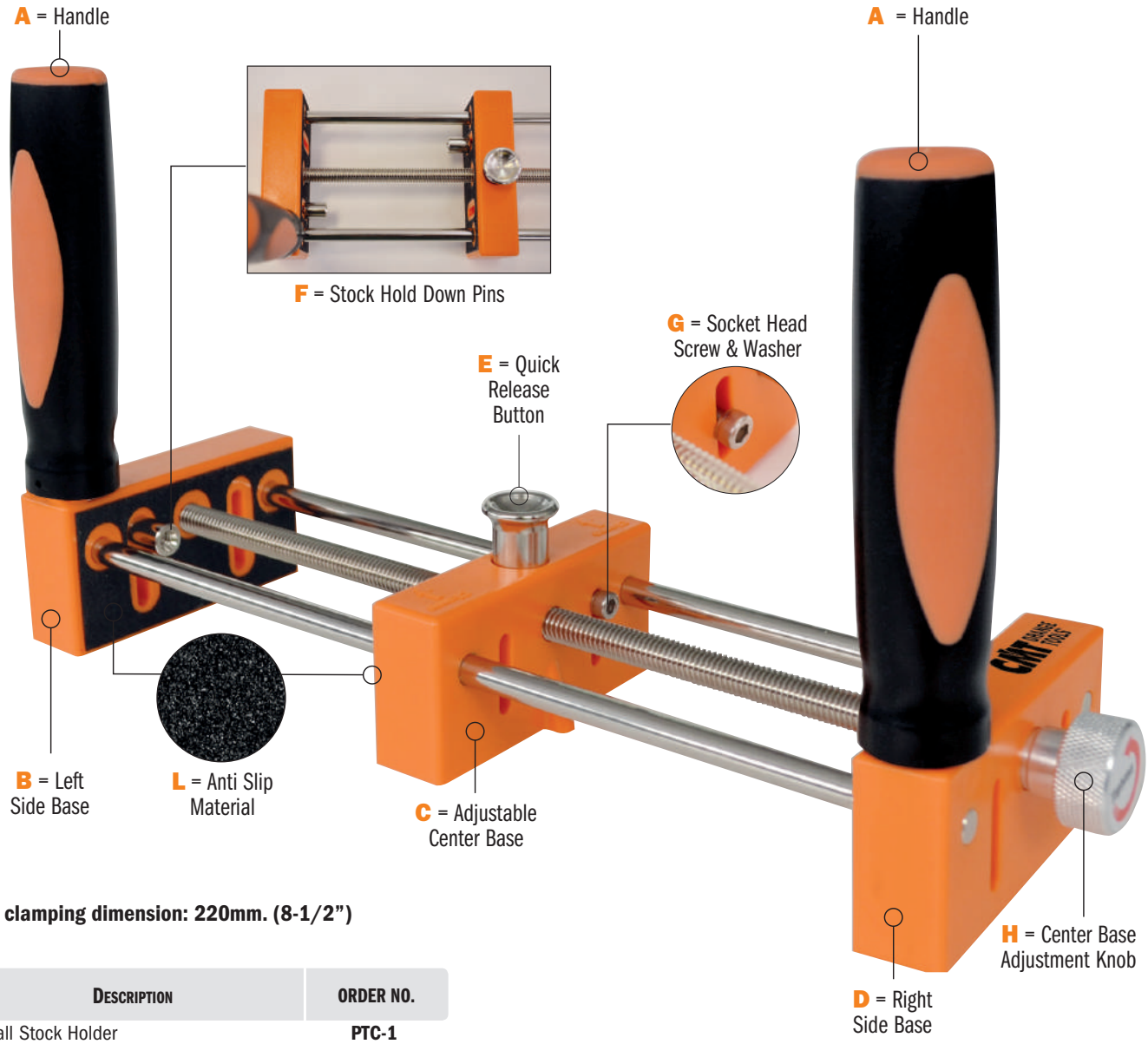
Picture Frames

Small Stock Holder

CMT ORANGE TOOLS®

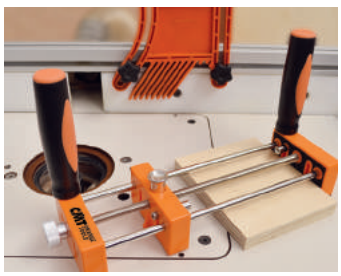
PTC-1

By far, handling small stock on your router table is probably one of the most difficult challenges any professional woodworker has to face! Keeping all ten fingers attached to your hands is definitely a priority. This is why the CMT Small Stock Holder is an absolute necessity in the workshop! It safely ensures proper stabilization of smaller work pieces throughout the routing process. The handle grips fitted with comfy silicone inserts keep fingers and hands a safe distance from the blade while the anti-slip lining on both the center and right side base prevents slippage and ensures your workpiece stays put! Fully adjustable and easy to control, the CMT Small Stock Holder can manage small stock up to **216mm. (8-1/2")** in width. The perfect little jig for detail-oriented jobs!



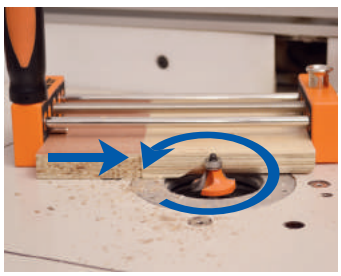
Max clamping dimension: 220mm. (8-1/2")

DESCRIPTION	ORDER NO.
Small Stock Holder	**PTC-1**

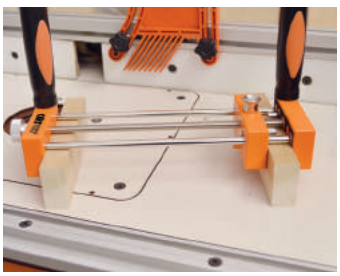


1. Lie the Small Stock Holder flat on the work surface. Slide the Hold Down Pins [F] to the top of the slotted holes. Insert the small stock piece between the Adjustable Centre [C] and Left-Side Bases [B]. The end of your small stock piece should lie flat and snugly up against the Left-Side Base. The end must also extend outwards in front of the Small Stock Holder a minimum distance of half the diameter of the router bit in use.

2. Press the Quick Release Button [E]. Slide the Adjustable Centre Base [C] over until it fits snugly against the small stock piece. Release the Quick Release Button. In the image, a "sacrificial piece" is being used to prevent "tear-out". Loosen Hold Down Pins [F] with the Hex Key Wrench provided. Slide Hold Down Pins down until resting firmly against the small stock piece. Tighten pins with Hex Wrench. Rotate Centre Base Knob [H] to further secure your small stock piece.



3. Adjust the height of your router bit. When you're ready, power on your router. Take hold of the Small Stock Holder Handles [A], slowly feed your small stock piece into the router opposite to the router bit rotation and always in contact with the router bit bearing guide. When finished routing, press the Quick Release Button [E] and slide the Adjustable Centre Base [C] over so you can remove the small stock piece.



4. Need to rout stock thicker than the Small Stock Holder? Follow setup instructions carefully. Create an "outrigger"- cut a piece of stock, which will act as a stabilizer, the same thickness as the piece you are working on. Attach the "outrigger" securely to the Right-Side Base [D] using pan-head screws (not included) that will fit through the slotted holes. In this way, your work piece and the Small Stock Holder will remain stable during the routing process.

Professional Straight Edge Clamps

CMT ORANGE TOOLS®

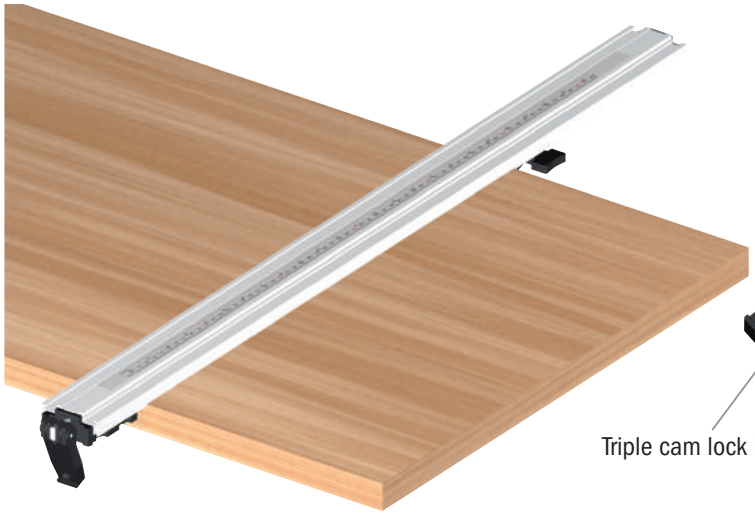
PGC

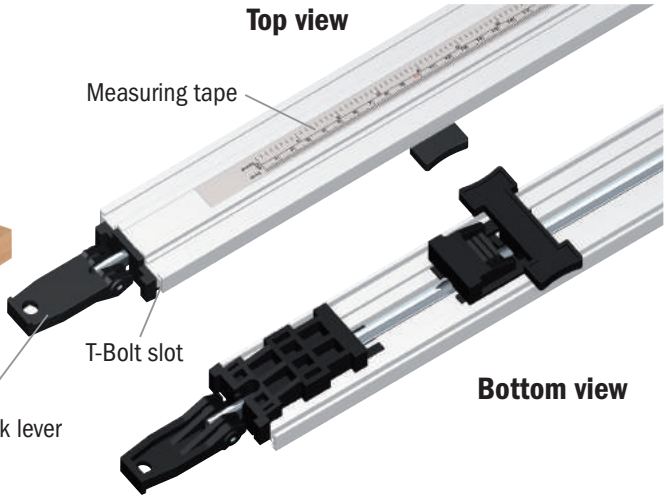
Used as a fence for your bandsaw, drill press or even as an auxiliary fence on your router table or table saw, CMT's professional straight edge clamps represent a two-in-one tool, allowing you to either use them as an edge guide, or to easily clamp your boards or any object for woodworking. Available in different sizes. Here are the main features:

- Made of extruded aluminium for easy carriage and enhanced durability.
- Light, yet more rigid than any other clamps on the market.
- Measuring scales, low-profile jaws, built-in T-tracks on the top allowing the use of accessories or jigs.
- Either single or back-to-back clamps.

DESCRIPTION	ORDER NO.
Professional Straight Edge Clamp 610mm	**PGC-24**
Professional Straight Edge Clamp 915mm	**PGC-36**
Professional Straight Edge Clamp 1270mm	**PGC-50**

Low-profile clamps allow for accurate cuts, dados and grooves. In addition they properly work as an auxiliary fence on your drill press or router table. Sturdy jaws hold your workpiece to the full length of the clamp without any side-to-side play. Back-to-back clamps with the suitable accessories also let you manage your woodworking operations with a lot of versatility. Adjustable scale and two T-tracks allow you to use many accessories.

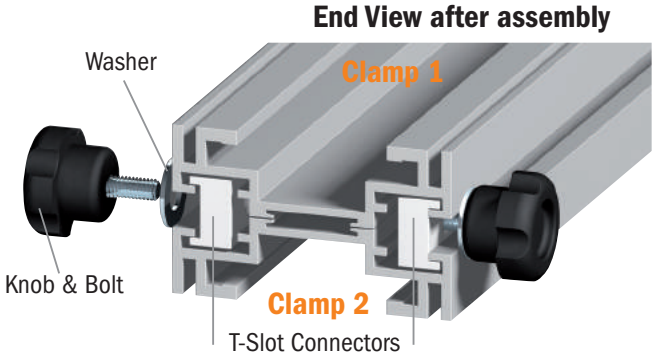




Back-to-Back Connectors for Straight Edge Clamps *(optional)*

Lay two more straight edge clamps on the back of the other pair of straight edge clamps and secure them by using your back-to-back connectors.
Fasten the bottom jaw pads to the table top and clamp wood with the top jaw pads.
Thanks to the low profile jaws your work surface is never obstructed.
The back-to-back straight edge clamps can also be taken apart for making two separate clamps.

DESCRIPTION	ORDER NO.
Back to Back Connectors for straight edge clamps (8-Pieces)	**PGC-B2B**

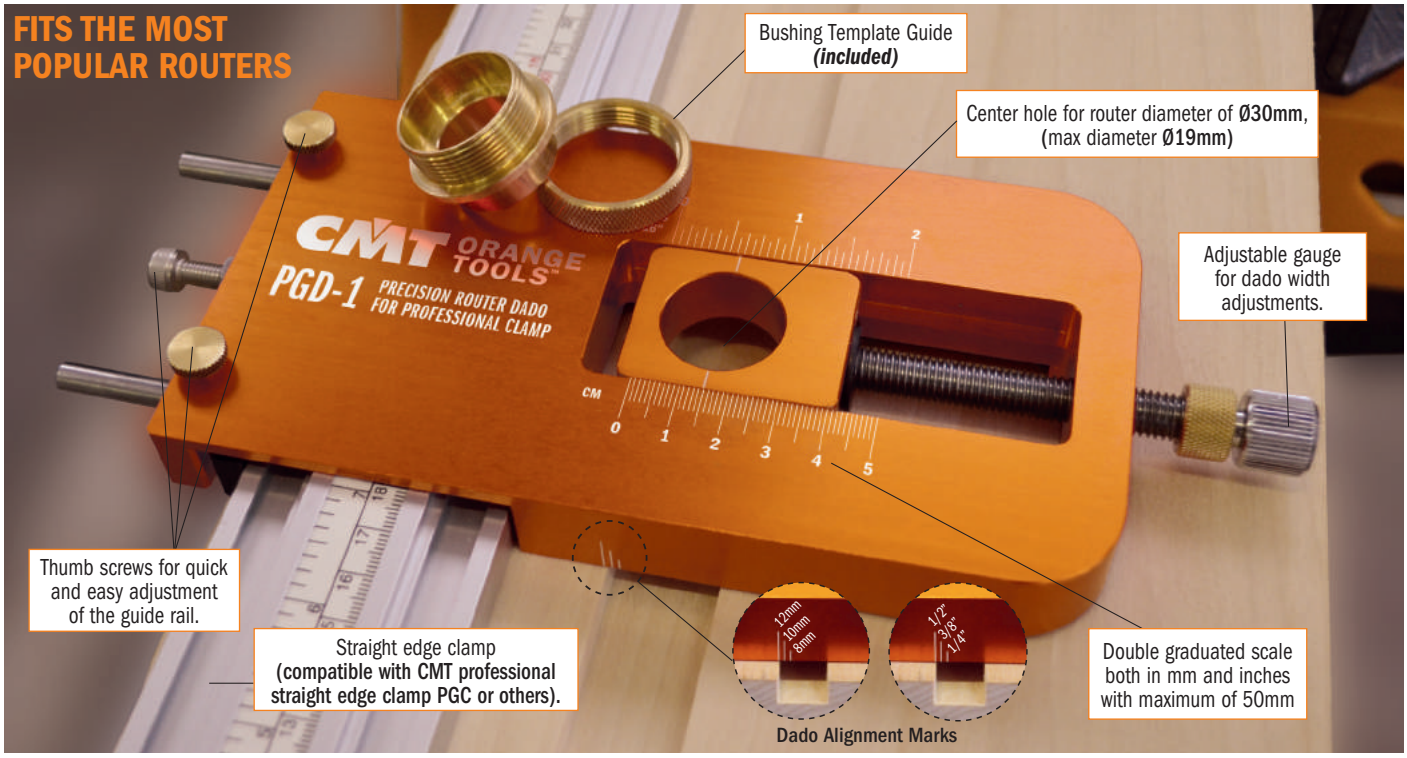


Adjustable Precision Router Dado Jig

CMT ORANGE TOOLS®

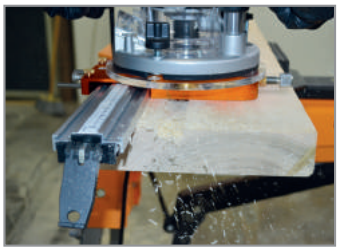
The perfect tool for crafting grooves, dadoes, and joints. Easy to use and fully adjustable. You can create dadoes of any size using the same router by simply increasing the number of passes you make. Sturdy construction built to last. Smooth rolling steel rollers are ideal for easy maneuverability and stress-free handling. Compatible with almost any router equipped with 1-3/16" (30mm) bushings or by using the Bushing Template Guides included. (bore baseplate sold separately).
Guarantees clean precise dadoes.

PGD-1



Prepare your router: Install the guide bushing rings into the bore baseplate and then attach it as the base for your router. Select and insert your router bit.
Prepare the Adjustable Guide Rail & Straight Edge Clamp: Position both the adjustable straight edge clamp and then the adjustable precision router dado jig onto your workpiece. Then using the adjustable thumb screws, secure it. Once assembled, ensure that the adjustable precision dado jig slides freely.

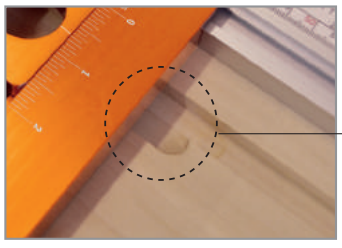
Insert your router into the center hole of the adjustable precision router dado jig.



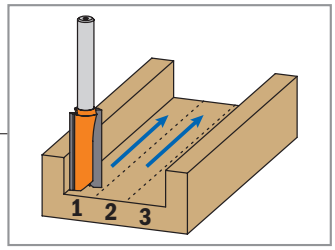
Set your cutting depth by raising or lowering the bit until desired depth is reached. Determine the starting point of the cut you wish to make by using the Dado Alignment Marks on the long sides (width) of the Adjustable Precision Router Dado Jig which indicates the outside edge of the dado cut closest to the straight edge clamp (12-10-8mm front, 1/2", 3/8", 1/4" back).

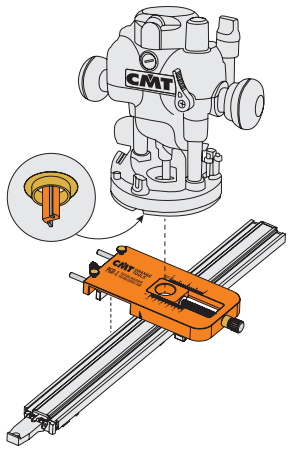
Holding onto your router in position, power on and begin making the cut by pushing forward and back on the straight edge clamp using the precision router dado jig as a guide. Makes impeccable grooves and dadoes along the length of your workpiece.

For creating dadoes that exceed router width, using the adjustable gauge, simply select the desired width on the graduated scale.



Make as many passes necessary to obtain the desired dado width.





RECOMMENDED* *(not included)*

Universal Router Base

899.000.01 *or*

899.000.02 Prebored base for CMT7E/CMT8E

*Not required for routers with 1-3/16" bushing guide

RECOMMENDED *(not included)*

PGC Straight Edge Clamp with graduated scale (pag. 342)

DESCRIPTION		ORDER NO.
Adjustable Precision Router Dado Jig	10	**PGD-1**

Universal Dovetail Jig

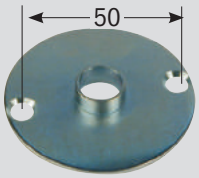
CMT ORANGE TOOLS®

Dovetail joints give a touch of craftsmanship to your work, but many woodworkers avoid these joints, because of their apparent complexity. CMT's new 305mm dovetail jig is the fast easy solution! Thanks to precise templates, permanent stops and easy adjustments, we have taken the "tinkering" out of dovetail joinery. Simply clamp your workpiece in with the edges against the factory-set stops, set your bit depth and then you are ready to rout. Rest assured, we haven't cut corners on quality either. This jig features a rugged steel body, templates, stops and clamping bars that together produce perfect long-lasting joints for all your woodworking needs. The jig accepts stock from 11mm to 25mm in thickness and is capable of crafting a variety of joints with the available templates. The jig comes with a template for 12.7mm half blind joints as well as a template guide. Optional templates are available for through dovetail and box joints.

CMT300

305mm max length
11~25mm joint thickness

Standard equipment
- Standard Ø12,7mm silver blind template **CMT300-T128**
- Ø15,8x4mm template guide **899.005.00**

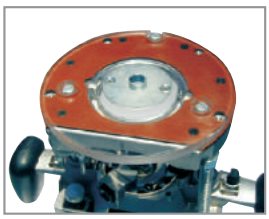


DESCRIPTION	ORDER NO.
Universal Dovetail Jig	**CMT300**

IMPORTANT TIP

HW DOVETAIL BITS (not included):

718.127.11	D=12,7mm	A=14°	S=6mm
818.128.11	D=12,7mm	A=14°	S=6,35mm
918.127.11	D=12,7mm	A=14°	S=8mm
818.628.11	D=12,7mm	A=14°	S=12,7mm

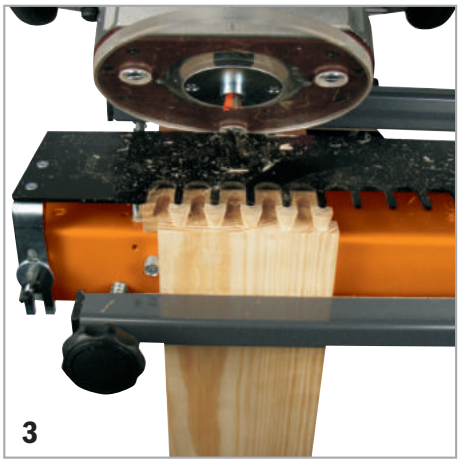


Will the template fit my router?

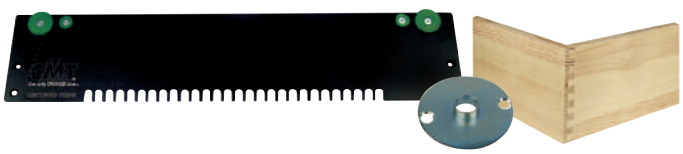
Standard template guide attaches using two screws spaced 50mm on centre. Many routers are compatible with this design. However, if yours is not, choose from the list of universal router bases here below:

Universal router bases	ORDER NO.
For Ø8 and Ø12mm shank	CMT300-SB1
For Ø6,35 and Ø12,7mm shank	CMT300-SB2
Prebored router plate for CMT7E and CMT8E	CMT300-SB

Here's how it works:



Half Blind Template CMT300-T064



Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	6,3	8 ~ 12	green	CMT300-T064

Supplied with Ø7,8x4mm precision guide — **899.003.00**

To be used with CMT dovetail router bits:

Ø6x8mm HW bit (Ø6mm shank) — **718.060.11**

Ø6,35x8,3mm HW bit (Ø6,35mm shank) — **818.064.11**

Box Joint Templates CMT300-T080 - CMT300-T127

Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	8	8 ~ 20	blue	CMT300-T080

Supplied with Ø11,1x4mm precision guide — **899.004.00**

To be used with CMT straight router bits:

Ø8x25mm HW bit (Ø6,35mm shank) — **811.081.11**

Ø8x30mm HW bit (Ø8mm shank) — **912.080.11**

Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	12,7	8 ~ 20	red	CMT300-T127

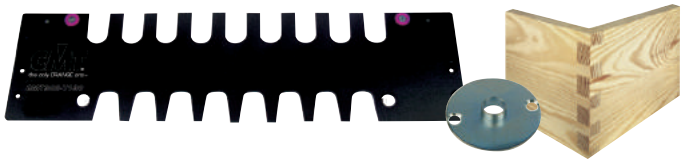
To be used with CMT straight router bits:

Ø12,7x30mm bit HW (Ø6,35mm shank) — **812.127.11**

Ø12,7x30mm bit HW (Ø8mm shank) — **912.127.11**

Ø12,7x25mm bit HW (Ø12,7mm shank) — **811.627.11**

Through Dovetail Templates CMT300-T129 - CMT300-T190



Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	12,7	8 ~ 20	brown	CMT300-T129

Supplied with Ø11,1x4mm precision guide — **899.004.00**

To be used with CMT straight router bits:

Ø8x25mm HW bit (shank Ø6,35mm) — **811.081.11**

Ø8x30mm HW bit (shank Ø8mm) — **912.080.11**

To be used with CMT dovetail router bits:

Ø12,7x20mm HW bit (Ø6,3mm shank) — **818.129.11**

Ø12,7x20mm HW bit (Ø8mm shank) — **918.129.11**

Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	19	15 ~ 22	violet	CMT300-T190

Supplied with Ø22x4mm precision guide — **899.006.00**

To be used with CMT straight router bits:

Ø12,7x30mm HW bit (Ø6,35mm shank) — **812.127.11**

Ø12,7x30mm HW bit (Ø8mm shank) — **912.127.11**

Ø12,7x25mm HW bit (Ø12,7mm shank) — **811.627.11**

To be used with CMT dovetail router bits:

Ø19x22mm HW bit (Ø6mm shank) — **718.190.11**

Ø19x22mm HW bit (Ø6,35mm shank) — **818.190.11**

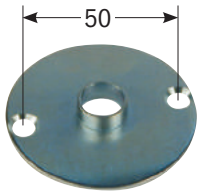
Ø19x22mm HW bit (Ø8mm shank) — **918.190.11**

Ø19x22mm HW bit (Ø12mm shank) — **918.690.11**

Ø19x22mm HW bit (Ø12,7mm shank) — **818.690.11**

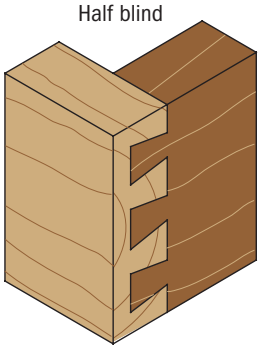
Precision guide for router:

Diameter	ORDER NO.
7,8 x 4mm	899.003.00
11,1 x 4mm	899.004.00
15,8 x 4mm	899.005.00
22 x 4mm	899.006.00
27 x 6mm	899.008.00
30 x 6mm	899.007.00



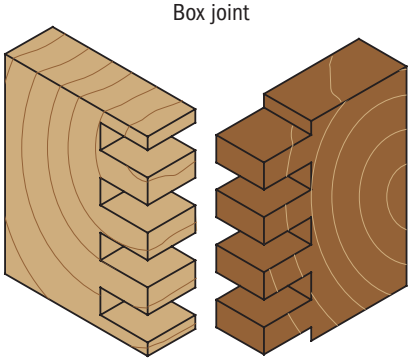
Here are a few of the beautiful dovetail joints you can produce using CMT bits

Half blind



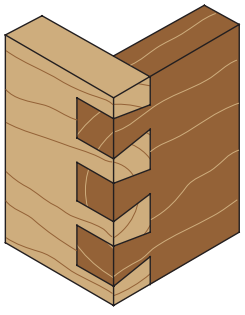
CMT300 - T064
CMT300 - T128 (INCLUDED with CMT300)

Box joint



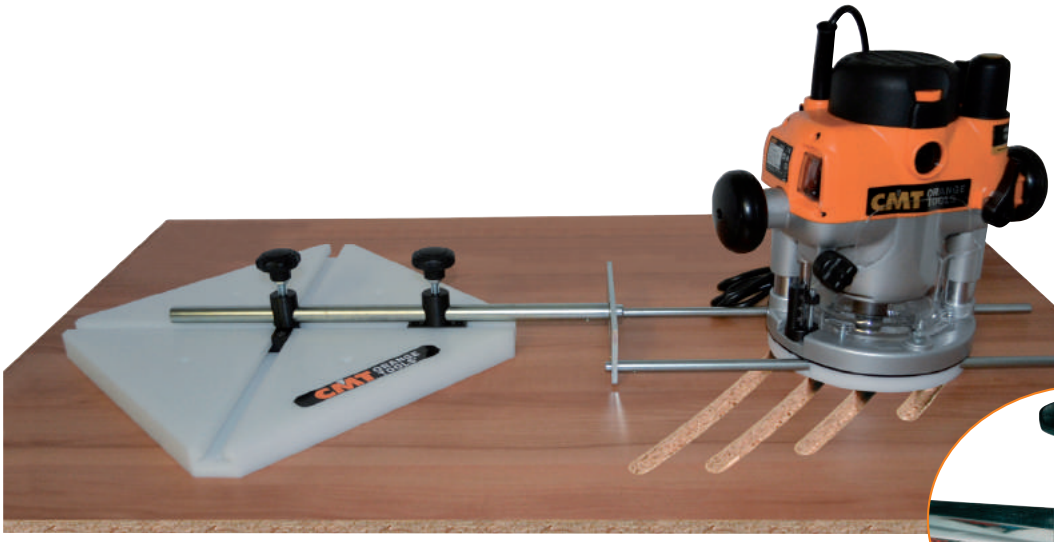
CMT300 - T080
CMT300 - T127

Through dovetail



CMT300 - T129
CMT300 - T190

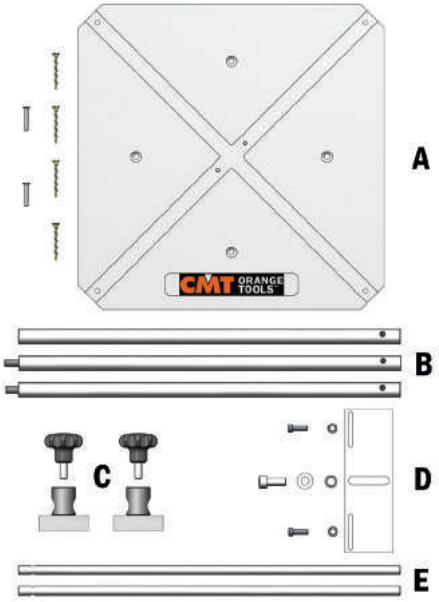
CMT3000



This product has been designed for cutting ellipses and circles with any type of router. You can make ellipses and circles for windows, doors and any other application. By using two slides into the T-slot you can cut ellipses, whereas if you use one slide, you can cut circles.

Slider in the T-slot of the cross frame

CMT3000 ellipse jig includes:



A) 1 x Cross frame in Derlin® with T-slot
B) 3 x Threaded bars Ø16x400mm
C) 2 x Sliders
D) 1 x Conector plate
E) 2 x Fence rod Ø10x400mm

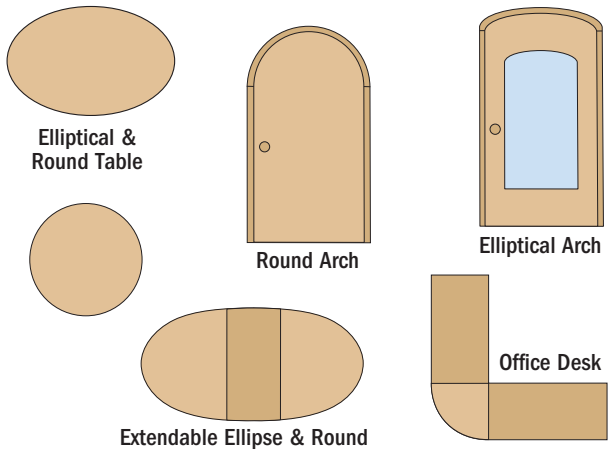
Spanners set
Instruction manual

Ellipse and circle cutting jig:

- Precise and rapid creation of ellipses and circles.
- Simple setup and effective operating.
- Clamping system for any type of routers.
- Special plastic cross frame with excellent sliding performance.
- Precisely machined T-slots and steel sliders.
- Zinc-coated metal parts to prevent rust.
- Delivered in a carton box along with instruction manual.

Major axis	Minor axes	
	Max	Min.
3000	2890	2590
1800	1690	1390
1500*	1390	1090
1030	920	620
900	790	620
730	620	620
*Min/Max radius routing with standard equipment		550/1500
Package dimension (mm)		445x360x85
Weight		6 kg.

Here are a few examples you can create using CMT3000 Ellipse



Optional

CMT3000-SB1
Ø170x15mm Delrin® guide plate for CMT3000 to be used with CMT7E & CMT8E

Description	Order No.
Ellipse & Circle Cutting Jig	**CMT3000**
Optional:	
400mm robust bar to extend the working radius	**CMT3000-7**
2-Pcs. of fence rod for routers with bars up to Ø8mm in diameter	**CMT3000-8**
Ø170x15mm Delrin® guide plate for CMT3000 to be used with CMT7E & CMT8E	**CMT3000-SB1**

CMT650

For perfect joints

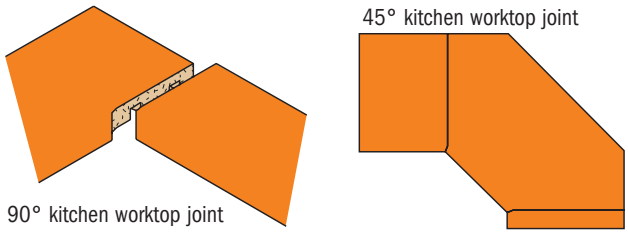
For kitchen worktops
from 420mm to 650mm in width.

CMT650 is designed to cut kitchen worktop joints with any type of router.

Letter code system for different operations makes the jig work much easier and very quick.

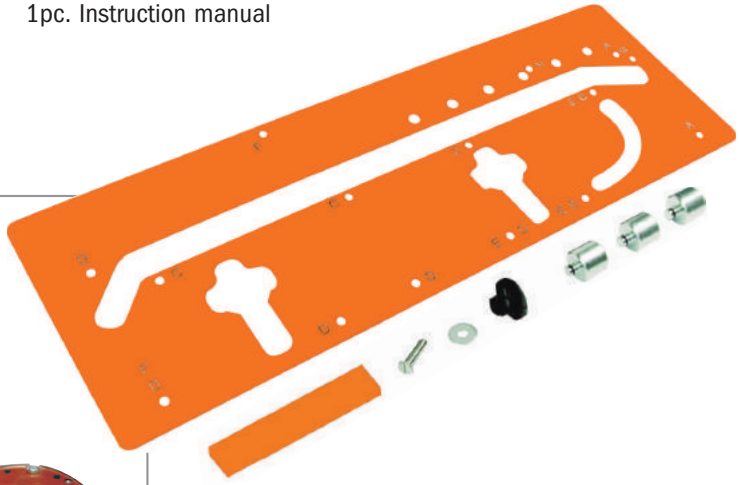
Dimensions:
880x300x 10mm.

Joints made in 15 minutes! Including setup time



JIG INCLUDES:

1pc. Phenolic template
3pc. Zinc-coated steel location bush
1pc. Adjustable end stop
1pc. Instruction manual

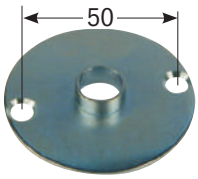


Optional

- Portable router
- Guide bush Ø30mm*
- HW straight bit Ø12mm
- Two clamps

*** COMBINATION ROUTERS/ACCESSORIES**

Router	Bush guide	Base Plate
CMT7E	899.007.00	CMT300-SB
CMT8E	899.007.00	CMT300-SB
NO-CMT	899.007.00	CMT300-SB1



Bush guide

Base plate

Bits for the jig:
We recommend the use of these Ø12mm straight bits:

ORDER NO.	DESCRIPTION	
912.120.11	Ø12x31,7	S=8mm
652.120.11	Ø12x28,3	S=8mm
912.621.11	Ø12x38,1	S=12mm
912.622.11	Ø12x50,8	S=12mm
812.620.11	Ø12x31,7	S=12,7mm
812.621.11	Ø12x38,1	S=12,7mm
652.121.11	Ø12x48,3	S=12mm
652.621.11	Ø12x48,3	S=12,7mm

***CMT650** is designed for Ø12mm straight bits.*

- Template made of stable and hardened material.
- For 90° and 45° joints
- Integrated templates for rounding over and chamfering edges.
- Extra location bush for worktop width of 600mm.
- Two integrated templates for panel bolt recesses.
- Delivered with a clear and comprehensive instruction manual.

DESCRIPTION	ORDER NO.
Kitchen Worktop Jig	**CMT650**

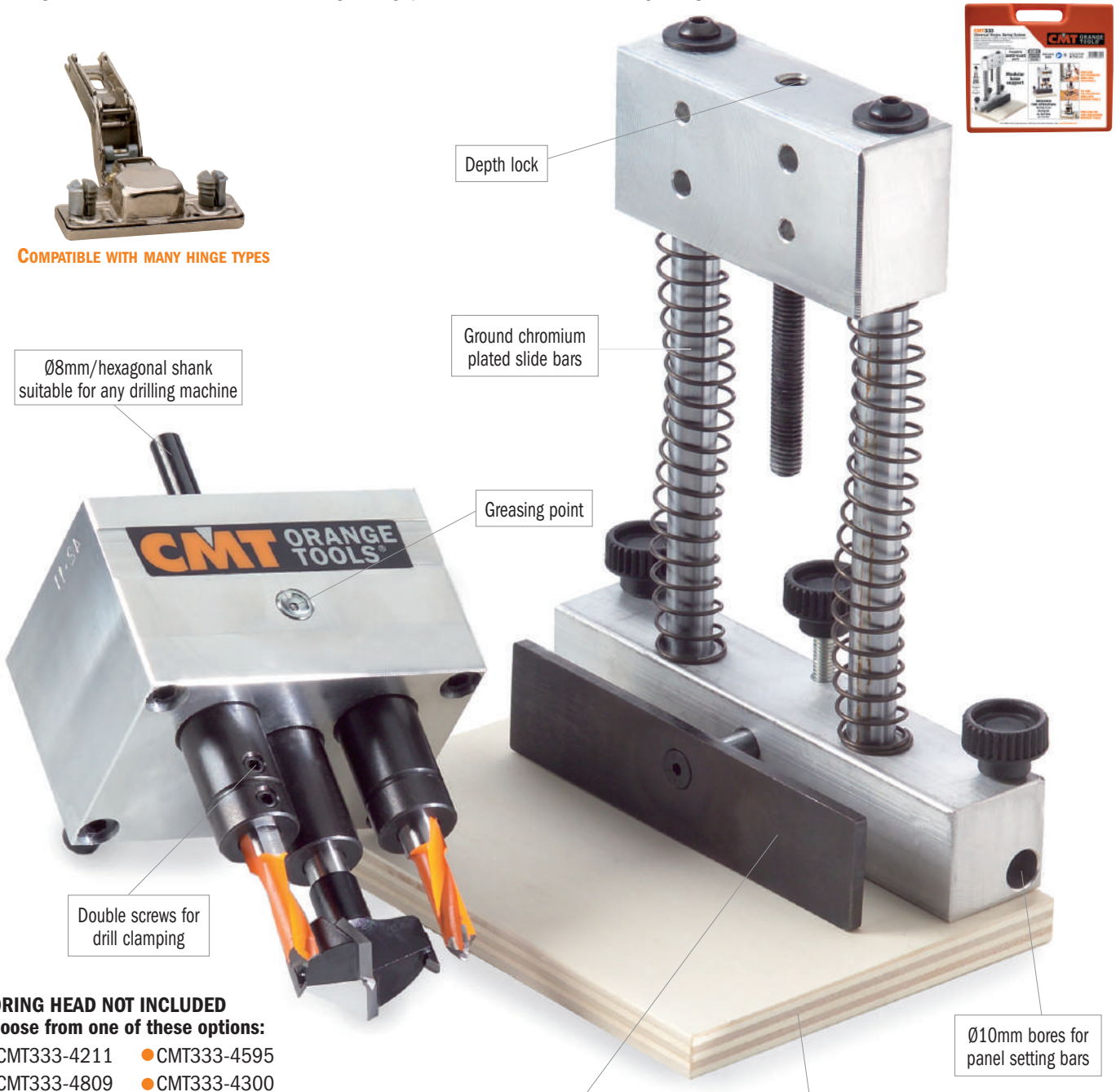
Universal Hinges Boring System

CMT ORANGE TOOLS®

CMT333

The innovative CMT333 hinge boring system with 3 spindle-heads allows you to bore holes for any hinge brand.
The universal modular base supports the installation of many boring heads, engineered by the worldwide leading company in industrial boring machines. Use the CMT333 universal hinge boring system on all hand-held or standing drilling power tools.

COMPATIBLE WITH MANY HINGE TYPES

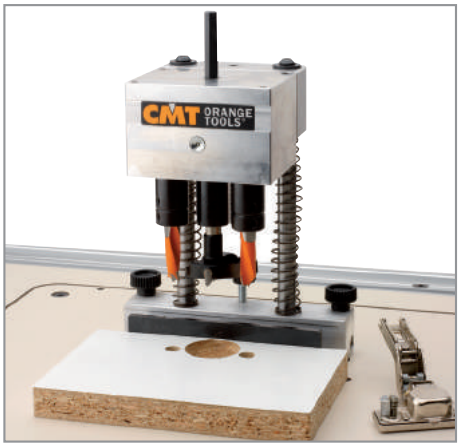


BORING HEAD NOT INCLUDED
Choose from one of these options:

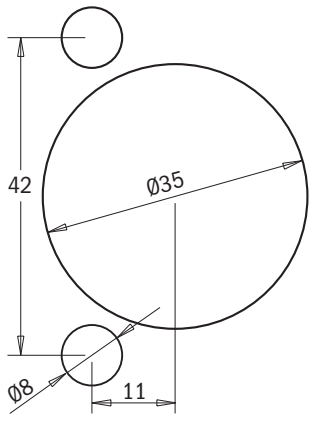
- CMT333-4211
- CMT333-4809
- CMT333-4806
- CMT333-3875
- CMT333-4595
- CMT333-4300
- CMT333-5255
- CMT333-325

For use on standing drilling machines

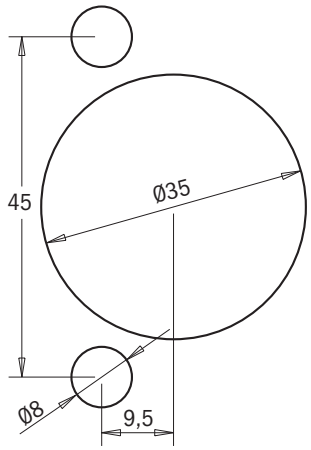
To use on standing drilling power tools



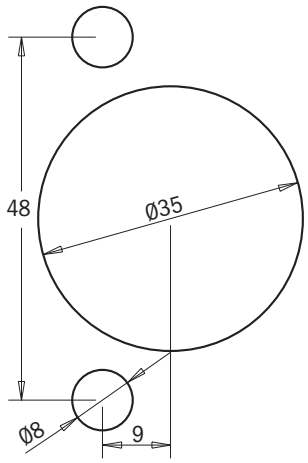
For use on CMT Industrio router table



1 **CMT333-4211**
for Grass hinges 42/11



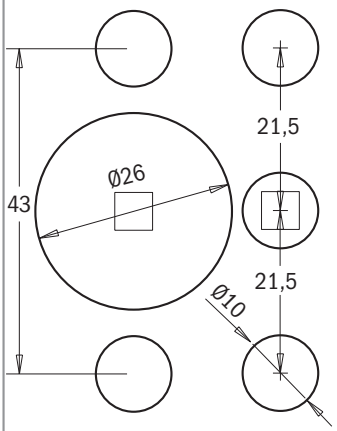
2 **CMT333-4595**
for Blum hinges 45/9,5



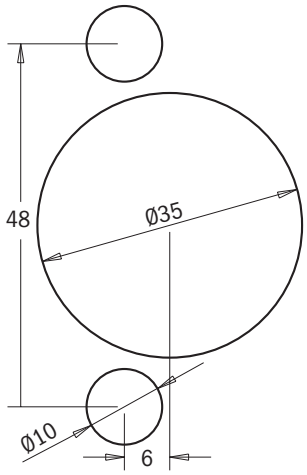
3 **CMT333-4809**
for Mepla hinges 48/9

TECHNICAL FEATURES AND SPECIFICATIONS
- Complete anti-rust parts
- Ground aluminium (Avional)
- Max 5000 RPM
- Six radial antifriction bearings

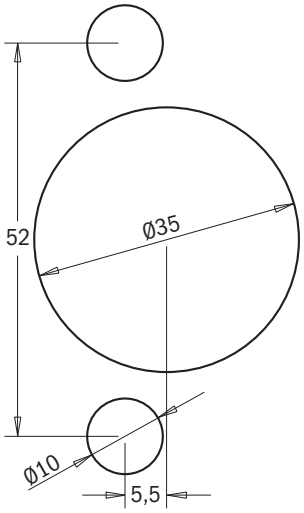
SAFETY TIPS:
for lubrication use oil SHC100 Mobil



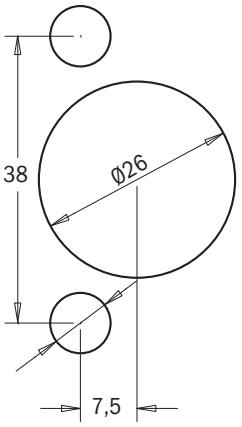
4 **CMT333-4300**
for window handles 43/00



5 **CMT333-4806**
for Salice hinges 48/6

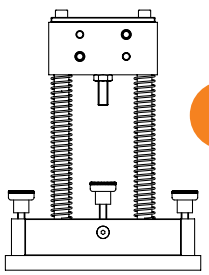
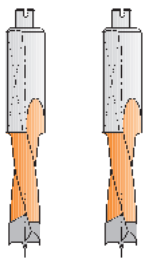
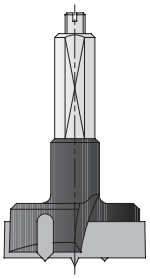


6 **CMT333-5255**
for Hettich, Würth hinges 52/5,5



7 **CMT333-3875**
for small hinges 38/7,5

MAXIMUM VERSATILITY FOR ANY BRAND

Support modular base	Boring heads		Drill bits	Boring bit
				
ORDER NO.	**ORDER NO.**	**S**	**ORDER NO.** Left-hand rotation	**ORDER NO.** Right-hand rotation
CMT333	**CMT333-4211**	8mm	**310.080.12** (2 pcs.)	**317.350.11**
CMT333	**CMT333-4595**	Hexagonal	**310.080.12** (2 pcs.)	**317.350.11**
CMT333	**CMT333-4809**	8mm	**310.080.12** (2 pcs.)	**317.350.11**
CMT333	**CMT333-4300**	Hexagonal	**310.100.12** (2 pcs.)	**317.260.11**
CMT333	**CMT333-4806**	8mm	**310.100.12** (2 pcs.)	**317.350.11**
CMT333	**CMT333-5255**	Hexagonal	**310.100.12** (2 pcs.)	**317.350.11**
CMT333	**CMT333-3875**	8mm	**310** your choice (2 pcs.)	**317.260.11**
CMT333	**CMT333-325**	Hexagonal	(3 pcs. RH + 2 pcs. LH)	

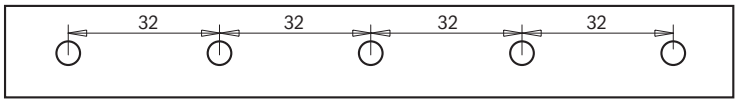
Make your set

	Choose your hinge	
1	Grass	42/11
2	Blum	45/9,5
3	Mepla	48/9
4	Window handles	43/00
5	Salice	48/6
6	Hettich, Würth	52/5,5
7	Small hinges	38/7,5
8	System 32	32

Boring head System 32

The universal modular base supports the installation of the System 32 with 5 adapters, engineered by the worldwide leading company in industrial boring machines. Use the CMT333 universal hinge boring system on all hand-held or standing drilling power tools.

CMT333-325

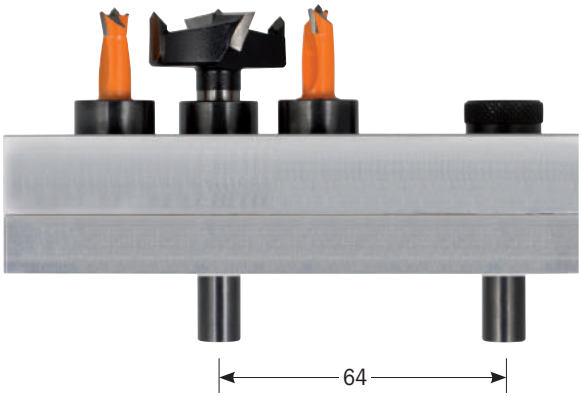


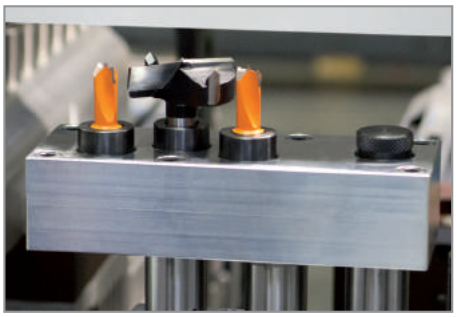
Description	Order No.
Boring head with 5 adapters for system 32	**CMT333-325**

Blum Hinges Boring Head

The innovative CMT334 Universal Hinge Boring Head features three spindles which allow you to bore the holes for all of the major hinge brands. The head can be utilized on boring and point to point machines.

CMT334

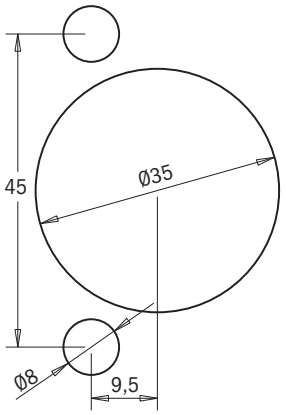




For use on boring and point to point machines.

Description	Order No.
Hinge Boring Head (bits not included)	**CMT334-4595**
Boring Bit Ø35mm x 38,5mm. Right-hand rotation	**393.350.11**
Dowel Drill Ø8mm x 38,5mm. Left-hand rotation	**393.080.12**

Standard



CMT334-4595
for Blum hinges 45/9.5

Bench Block Set

These blocks are great for holding your workpiece without any clamps. Their anti-slip surface grip both your bench top and the underside of your workpiece. Raise your work above the bench and benefit from plenty of clearance for your router bits, cutters, etc.

Lenght: 75mm
Width: 50mm
Height: 25mm

BBS-001

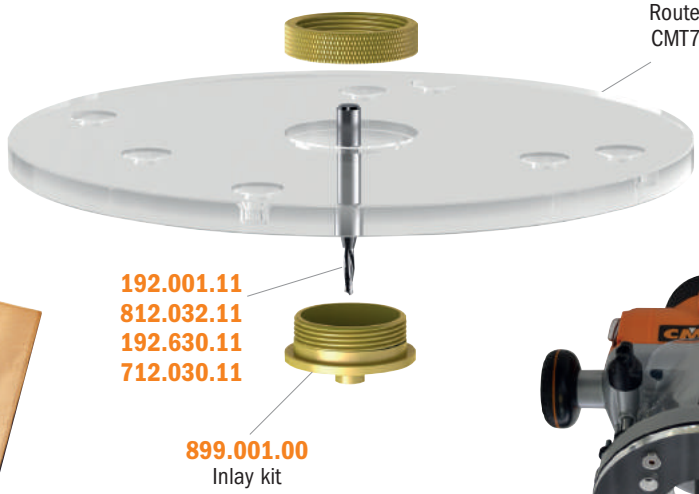
Description	Order No.
Bench block set (4-Pcs.) 75x50x25	**BBS-001**

CMT Inlay Kit

CMT ORANGE TOOLS®

899

Beautiful, professional-quality inlays aren't as difficult as they seem. In fact, they are easy with the CMT inlay kit. Just remove and reassemble the small bushing to make the recess in the workpiece and cut out the inlay. Perfect for toy making, puzzle making, lettering and lots of other decorative projects.
Use the spiral bit for routing MDF, or the straight bit for natural wood.



Complete instructions for assembling and using CMT inlay kit are included.

Description		Order no.
Inlay kit with 3,2mm (1/8") HWM spiral bit	(Ø6,35mm shank)	**899.051.00**
Inlay kit with 3,2mm (1/8") HWM straight bit	(Ø6,35mm shank)	**899.052.00**
Solid brass template guide		**899.001.00**
Universal router base		**899.000.01**
Router base for CMT7E/CMT8E		**899.000.02**
3,2mm (1/8") HWM spiral bit	(Ø6,35mm shank)	**192.001.11**
3,2mm (1/8") HWM straight bit	(Ø6,35mm shank)	**812.032.11**
3mm HWM spiral bit	(Ø6mm shank)	**192.630.11**
3mm HWM straight bit	(Ø6mm shank)	**712.030.11**

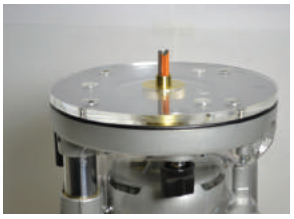
Template Guide Kit

A practical 7-bushing kit that will extend the possibilities of your router. For template-controlled operations such as dovetailing, stair routing, hinge butt routing, lock face routing and more general template tasks.
These template guides can be used with any router featuring a 30mm (1-3-/16") bore baseplate.
Fits the most popular routers. Some routers require CMT's base 899.000.02.

CMT-TGA

Description	Order no.
Template Guide Kit	**CMT-TGA**

Optional



Description	Order no.
Prebored base for CMT7E and CMT8E	899.000.02
Universal base	899.000.01

Set contains:

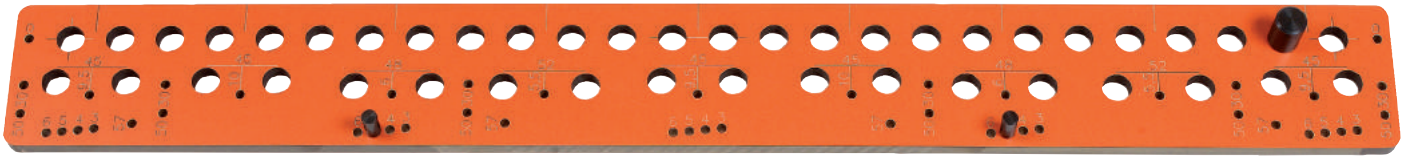
QTY.	1	1	1	1	1	1	1	2	1
Internal diameter	15,87mm	16,66mm	13,49mm	10,31mm	8,73mm	7,14mm	6,35mm	Lock Nut	Adapter
Outside diameter	20,24mm	19,05mm	15,87mm	12,7mm	11,11mm	9,52mm	7,93mm	Lock Nut	
Height	14,28mm	14,28mm	14,28mm	7,93mm	3,96mm	7,93mm	3,96mm		

Universal Boring Template

CMT's universal boring template has been designed for precise and productive manual dowelling of furniture elements by using 32mm Euro-System screws, for boring shelf supports with 3mm or 5mm diameter and for making and marking hinge holes.
By using this template you can prebore the most popular hinge types and also to bore holes for pivots, wooden screws and hinges on the base element, as well as prebore door hinges, included the marking of holes featuring 35mm in diametre for hinges.
This template will guarantee high precision work and productivity and has been designed to be used in pair with the specific CMT400-1 boring adapter supporting any Ø8mm shank drill bits featuring different diametres.

CMT900

For dowelling into surfaces and shelf supports and hinges



Laminated phenolic material **Clear and comprehensible template marking** **Precise end stops**

BORING ADAPTERS *(not included):*

- End stop for different boring depths
- Suitable for any type of drilling machine
- Duralumin body with holes for better chip ejection
- Precise and flat seating for proper alignment.

ORDER NO. **CMT400-1**
Boring adapter for **CMT656, CMT900 JIGS**
to be used with drill bits up to 30mm depth:
306.030.21 - 306.050.11 - 306.080.11

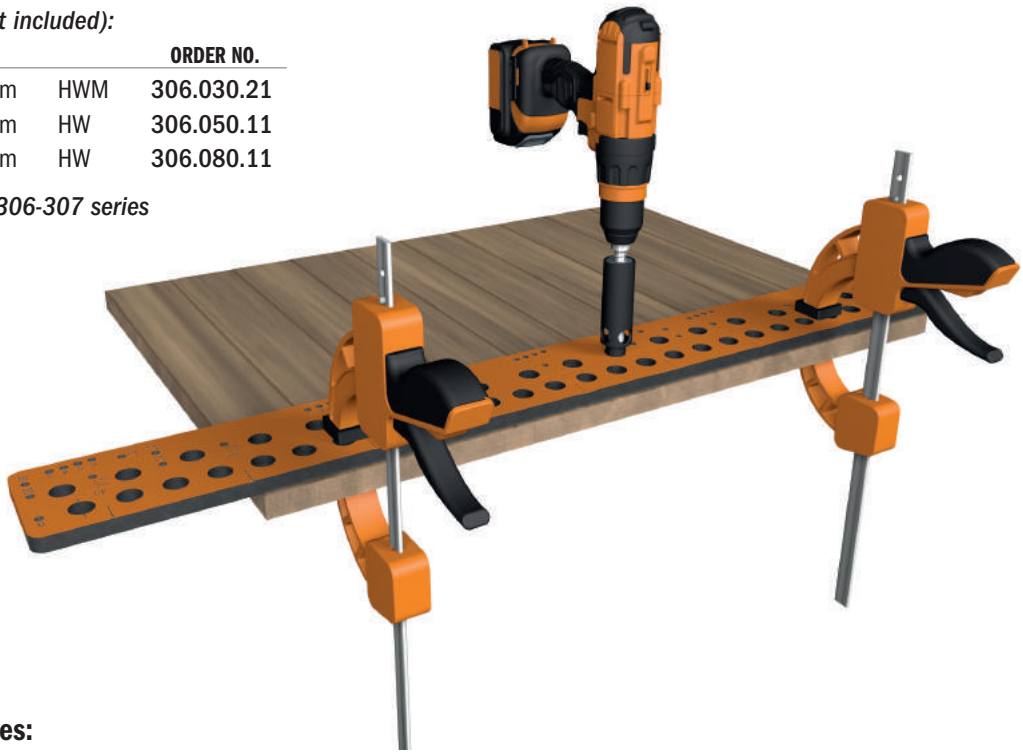
QUICK AND EASY:

TECHNICAL DETAILS:	CMT900
Max. board width in one tightening:	900mm
Max board width:	no limits
Board thickness:	no limits
For dowels:	Ø8mm
Hole distance:	32mm
Number of holes:	26
For shelf support:	Ø3mm, Ø5mm
For hinges:	Ø3mm for wooden screws Ø5mm for Euro screws

HW DOWEL BITS *(not included):*

DESCRIPTION			ORDER NO.
D=3x18mm	S=8x20mm	HWM	306.030.21
D=5x30mm	S=8x20mm	HW	306.050.11
D=8x30mm	S=8x20mm	HW	306.080.11

Other sizes available in 306-307 series



Boring into a surface for dowel joints using the template.

Boring Ø3mm and Ø5mm holes for shelf supports.

Preboring holes for hinges (base and panel).

CMT900 Boring Template Includes:

- Boring template from laminated pertinax
- End stop set
- End stop set for large elements
- Centering pin for hinges

DESCRIPTION	ORDER NO.
Universal Boring Template	CMT900

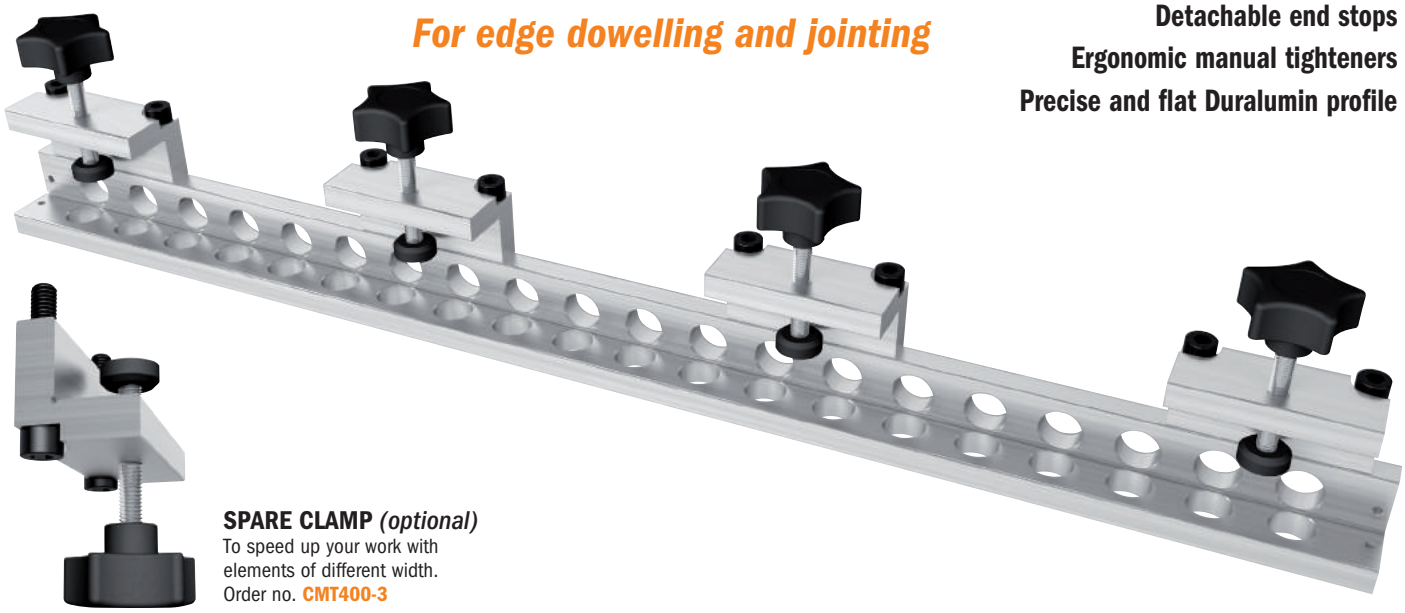
Universal Boring Jig

This universal boring jig has been designed for precise and productive manual dowelling of furniture elements and guarantees high precision work and productivity. The holes have been made with a distance of 32mm between one another, in compliance with the European regulations for doweling machine production.
Also, the dowel jig fits CMT Ø8mm shank HW drill bits, clamped into a special boring adapter.

CMT656

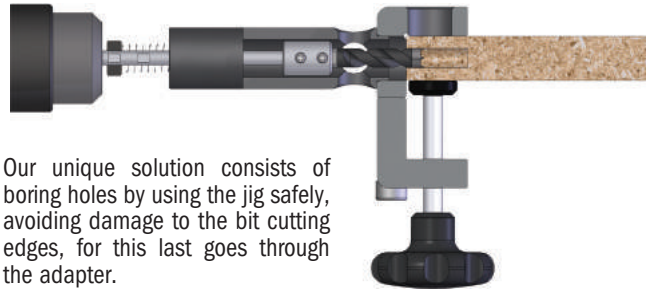
Precise holes
Detachable end stops
Ergonomic manual tighteners
Precise and flat Duralumin profile

For edge dowelling and jointing



SPARE CLAMP *(optional)*
To speed up your work with elements of different width.
Order no. **CMT400-3**

UNIQUE SOLUTION



Our unique solution consists of boring holes by using the jig safely, avoiding damage to the bit cutting edges, for this last goes through the adapter.

BORING ADAPTERS *(not included):*

- End stop for different boring depths
- Suitable for any type of drilling machine
- Duralumin body with holes for better chip ejection
- Precise and flat seating for properly alignement.

ORDER NO. **CMT400-1**
Boring adapter for **CMT656, CMT900 JIGS**
to use with drills bit:
306.030.21 - 306.050.11 - 306.080.11 - 307.050.11

ORDER NO. **CMT400-2** (for screw joints)
Boring adapter for **CMT656, CMT900 JIGS**
to use with the drill bit: **307.050.11**

HW DOWEL BITS *(not included):*

DESCRIPTION			ORDER NO.	
D=3x18mm	S=8x20mm	HWM	306.030.21	
D=5x30mm	S=8x20mm	HW	306.050.11	
D=8x30mm	S=8x20mm	HW	306.080.11	
D=5x40mm	S=8x20mm	HW	307.050.11	for screw joints
D=7x40mm	S=8x20mm	HW	307.070.11	for screw joints

Other sizes available in 306-307 series

3 easy steps in creating dowel joints

1

Place the jig onto the board, fix the end stop and tighten the workpiece. Set the bore depth and clamp the boring adapter on your drilling machine. Bore vertical holes.

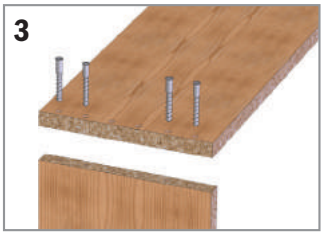
2

Fasten the jig on the other element, fix the end stop and set the bore depth. Bore horizontal holes.

3

Now insert the dowels with glue into the holes and join both elements.

3



As an alternative, use through hole bits and screw the elements together.

TECHNICAL DETAILS:	CMT656
Max board width in one tightening:	656mm
For dowels:	Ø8mm
For through holes:	Ø7mm
Hole distance:	32mm
Number of Ø18mm holes :	2x20
Board thickness:	16-40mm
Facet (elements lap):	0,8mm

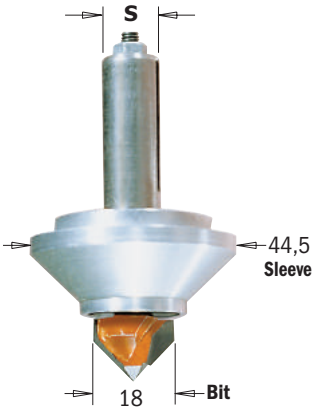
DESCRIPTION	ORDER NO.
Universal Boring Jig (656mm in one tightening)	CMT656

CMT ORANGE TOOLS®

RCS

Exclusively from your CMT distributor

Turn your router into a remarkable carving tool. It's fast, easy, and a whole lot of fun!
Who says that intricate woodcarving requires an artist's touch? Thanks to the patented 3D Router Carver system, anyone with a plunge router can create any of the beautiful designs shown on these pages in just minutes. Decorate doors, drawers, cabinets, furniture or just about any flat wooden surface with one or more of these designs. How does it work? The secret is in the 3D Router Carver Bit and the way that bit interacts with the carving templates. The V-Groove router bit is enclosed in a 45° cone-shaped guide. You rout with the plunge mechanism of your router unlocked, allowing the bit to move up or down as the router moves forward. As the slot in the template get wider, the bit moves down, producing a wider, deeper V-groove. As the slot gets narrower, the bit moves up, and the groove gets narrower and shallower. It sounds simple, and it is! (that's why the system is patented worldwide). Please see the illustrations below for more details on the carving technique. You'll receive complete instructions with your 3D Carver templates. For an informative visual demonstration, check out the 3D Router Carver video on our web site.



What do you need to get started?

- The 3D Router Carver bit
- The Carver template of your choice
- The Holding frame to match your template
- Your plunge router

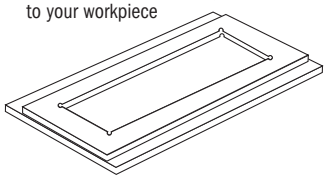
(Note: Be sure the opening in the base of your router is at least 47,6mm in diameter.
If it isn't, you'll need to make a sub-base to accept the large diameter of the 3D Carver bit.)

3D Router Carver Bit & Sleeve

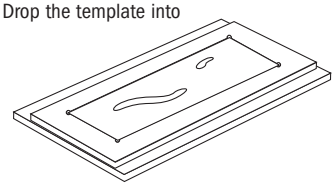
S mm	ORDER NO. Right-hand rotation	Spare parts						Optional
8	**RCS-BIT8**	RCS-CUT8	RCS-SLE8	RCS-SHIELD		RCS-NUT8	991.007.00	RCS-SLEEVE8
12,7	**RCS-BIT**	RCS-CUT	RCS-SLE	RCS-SHIELD	990.091.00	990.092.00		RCS-SLEEVE

Here's how it works:

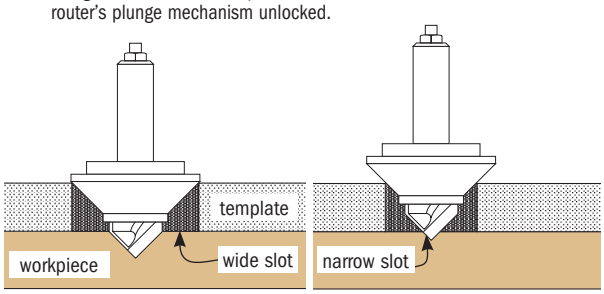
1. Clamp or tack the holding frame to your workpiece



2. Drop the template into a

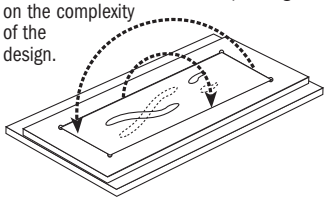


3. Plunge the bit into a wide part of the slot and rout with the router's plunge mechanism unlocked.

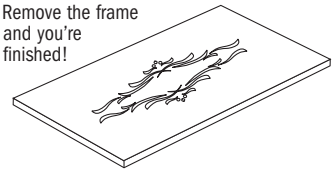


Allow the plunge mechanism to move up and down as you advance. Wider template slots allow wider, deeper grooves. Narrower slots produce shallower grooves.

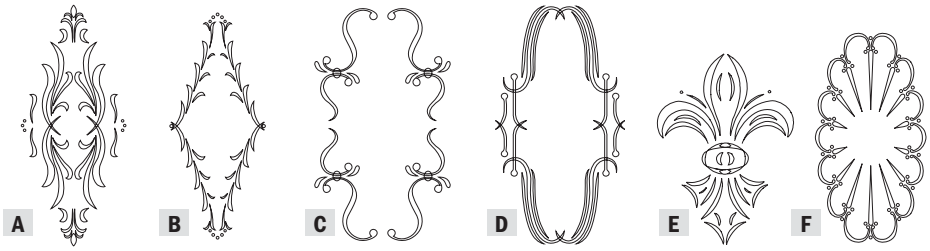
4. With the frame still in place, flip the template & rout again. Some templates will be routed 2 to 4 times, depending on the complexity of the design.



5. Remove the frame and you're finished!



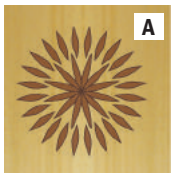
Cabinet door & panel carvings

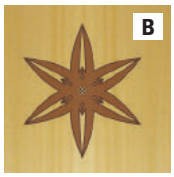


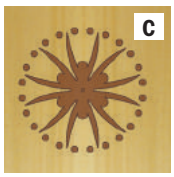
These designs are ideal for the doors or panels of cabinets, entertainment centers, fireplace surrounds or almost any flat surface. See the designs below for complementary patterns for drawers, rails and corners.
Approximate carving time is 5 minutes.

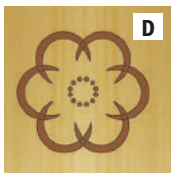
DESCRIPTION	CARVING DIMENSIONS mm	NO. OF TEMPLATES	ORDER NO.
Classical cabinet door - A	440 x 185	2	**RCS-302**
Florentine cabinet door - B	415 x 170	2	**RCS-304**
Cascade cabinet door - C	365 x 210	1	**RCS-305**
Roma cabinet door - D	375 x 200	1	**RCS-306**
Fleur-de-Lys door - E	250 x 180	4	**RCS-805**
Spanish fan template - F	380 x 200	2	**RCS-806**
Cabinet door holding frame			**RCS-003**

TIP: many carvings, like the Florentine rail, are enhanced with the additional of a rosette.



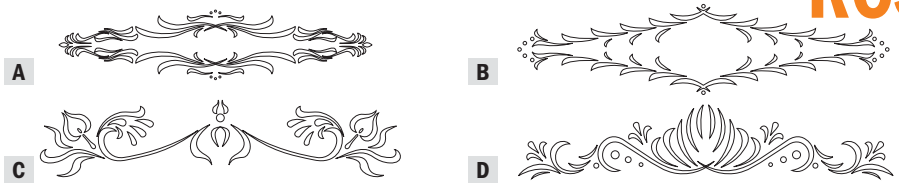






Panel & Rail Carvings

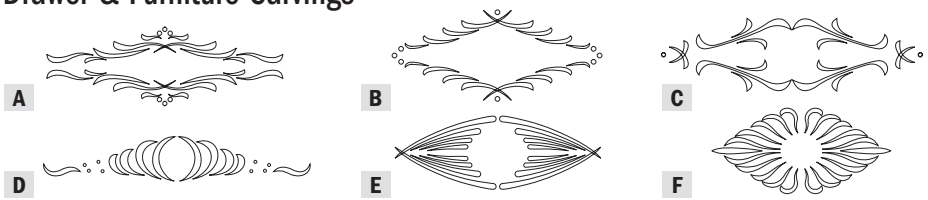
RCS



With a long, horizontal shape, these designs are perfect for door rails, headboards, cabinet face frames and valences. Approximate carving time is 4 minutes.

Description	Carving dimensions mm	No. of templates	Order no.
Classical Rail - A	550 x 120	2	**RCS-402**
Florentine Rail - B	550 x 130	2	**RCS-404**
Cascade Rail - C	530 x 110	3	**RCS-405**
Folklore Rail - D	550 x 110	3	**RCS-406**
Rail Holding Frame			**RCS-004**

Drawer & Furniture Carvings



Originally intended for drawer fronts, these designs are great for lots of other projects: small doors, side panels of cabinets, furniture and more. For door and drawer combinations, match the style of the door designs above. Approximate carving time is 4 minutes.

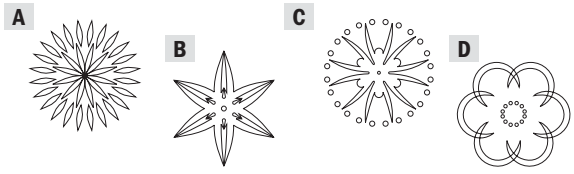
Description	Carving dimensions mm	No. of templates	Order no.
Classical Drawer - A	210 x 70	2	**RCS-502**
Florentine Drawer - B	195 x 85	2	**RCS-504**
Cascade Drawer - C	250 x 65	1	**RCS-505**
Folklore Drawer - D	250 x 40	2	**RCS-506**
Roma Drawer - E	190 x 65	2	**RCS-507**
Blaze Drawer - F	250 x 110	2	**RCS-510**
Drawer Holding Frame			**RCS-005**

Corner & Small Decoration Carving Designs

Description	Carving dimensions mm	No. of templates	Order no.
Classical "A"	155 x 40	3	**RCS-602**
Florentine "B"	120 x 30	3	**RCS-604**
Cascade "C"	190 x 40	3	**RCS-605**
Folklore "D"	150 x 45	3	**RCS-606**
Corner Holding Frame			**RCS-006**

Rosette Carvings

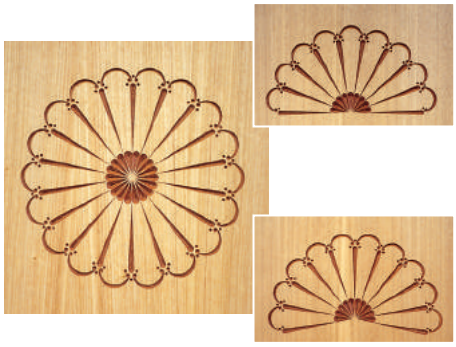
You get two templates for the price of one with these designs! Each item includes templates for two sizes of rosette. Use with the rosette frame sold above, or use the large rosettes with the cabinet door frame or small rosettes with rail frame.



Description	Carving dimensions mm	No. of templates	Order no.
Rosette #1 & #5 - A	85 & 68	2 & 2	**RCS-701**
Rosette #2 & #6 - B	88 & 70	1 & 1	**RCS-702**
Rosette #3 & #7 - C	82 & 65	1 & 1	**RCS-703**
Rosette #4 & #8 - D	79 & 62	1 & 1	**RCS-704**
Rosette Holding Frame			**RCS-007**

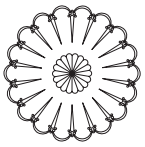
CMT ORANGE TOOLS®

RCS

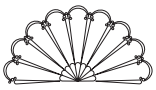


Southwestern Carving Designs

These popular Southwestern designs are actually several shapes in one. Both sizes can be routed as circular carvings, or use only portions of the template to suit your project.



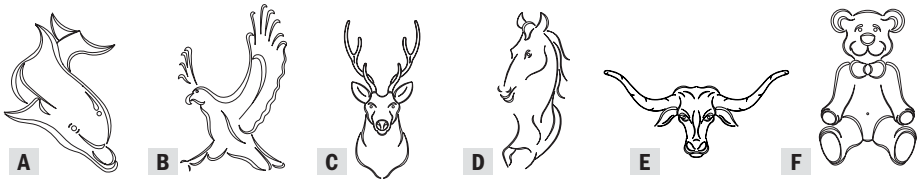
Rout the complete spanish fan design or make partial rosettes



Description	Carving dimensions mm	No. of templates	Order no.
Large Spanish Fan	400	1	**RCS-801**
Small Spanish Fan	200	1	**RCS-802**
Rosette Holding Frame			**RCS-007**

Just for fun: Designs For every animal lover!

Your imagination will be your guide on these neat designs. Furniture or decorations for the kids, paneling for the den or rec room, a gift for the sportsman.



Description	Carving dimensions mm	No. of templates	Order no.
Dolphin - A	200 x 290	4	**RCS-803**
Eagle - B	178 x 298	4	**RCS-804**
Deer - C	394 x 190	4	**RCS-901**
Horse - D	445 x 203	3	**RCS-902**
Longhorn - E	419 x 194	4	**RCS-904**
Teddy bear - F	394 x 203	3	**RCS-906**
Cabinet Door Holding Frame			**RCS-003**

Organizer

03.51

100 bits at your fingertips
When you constantly work on projects, you always need your most used bits right within reach and safely organized.
CMT gives you the perfect solution for keeping them all in sight, thanks to the 100 piece organizer.
This conveniently holds any size router or drill bit by using CMT's interchangeable bushings to fit all CMT shank diameters. See options listed below.

Description	Order no.
Bit Organizer (without bushings)	**03.51.0106**
Interchangeable Bushings for Ø6mm shank (20-Pcs.)	**03.51.0046A**
Interchangeable Bushings for Ø6,35mm shank (20-Pcs.)	**03.51.0047A**
Interchangeable Bushings for Ø8mm shank (20-Pcs.)	**03.51.0048A**
Interchangeable Bushings for Ø9,5mm shank (20-Pcs.)	**03.51.0057A**
Interchangeable Bushings for Ø10mm shank (20-Pcs.)	**03.51.0058A**
Interchangeable Bushings for Ø12mm shank (20-Pcs.)	**03.51.0059A**
Interchangeable Bushings for Ø12,7mm shank (20-Pcs.)	**03.51.0049A**

Formula 2050: Blade & Bit Cleaner

CMT ORANGE TOOLS®

998

Finally a safe, environmentally-friendly cleaner that is more effective than all those hazardous chemicals used for cleaning cutting tools.

Saw shops know how to get the most out of cutting tools. They know that the pitch and resin left by wood on tools greatly shortens the life of carbide. Therefore we asked many blade sharpeners to test Formula 2050 and they rated it as an excellent product. Most blade and bit cleaning products work with dissolving action, but it takes some power and nasty chemicals to dissolve wood residues and adhesives. CMT's non-toxic and safe Formula 2050 penetrates the microscopic cracks in the resin and attacks the bond between carbide or steel surfaces and the resin itself. Formula 2050 keeps your tools clean and helps you increase the life span between sharpening and replacement.

Prolonged use of this product may cause damage to special coating treatments applied to aluminum tool surfaces. Use with caution.

Description		Order No.
0,5 lt. spray bottle	8	**998.001.01**
5 lt. plastic jug	5	**998.001.03**

Shipping terms and minimum orders must be arrange with the sales department.

★★★★★

This product received a five-star performance rating from "Wood® Magazine"

- Removes pitch, resin and adhesive residue from all woodworking cutting tools (saw blades, router bits, drill bits, shaper cutters, planer blades, etc.).
- Completely non-toxic, non-flammable and certified biodegradable. Formula 2050 is a safe, earth-friendly product.
- Do not rinse after cleaning. Formula 2050 provides protection from rust and corrosion. Keeps your table saw top rust free too!
- Can be applied by spray bottle or used in ultrasonic cleaners and dip tanks.

Lubricant for Wood, *Neutralizes Resin*

998

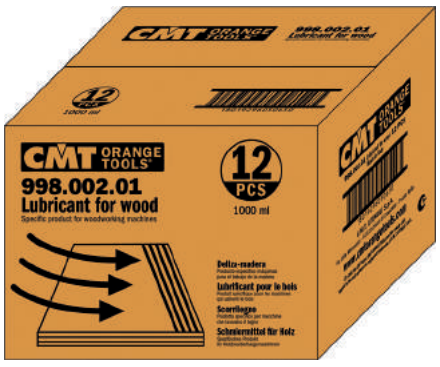
- Neutralizes resin, preventing it from being stuck on chips and sawdust.
- Cleans knobs, barbell handles, etc.
- Anti-corrosion action on woodworking machine table.
- Excellent against humidity.

Watch the video on YouTube

Description		Order No.
1 lt. spray bottle	12	**998.002.01**
5 lt. plastic jug	2	**998.002.03**

Shipping terms and minimum orders must be arrange with the sales department.

998.002.01



998.002.03

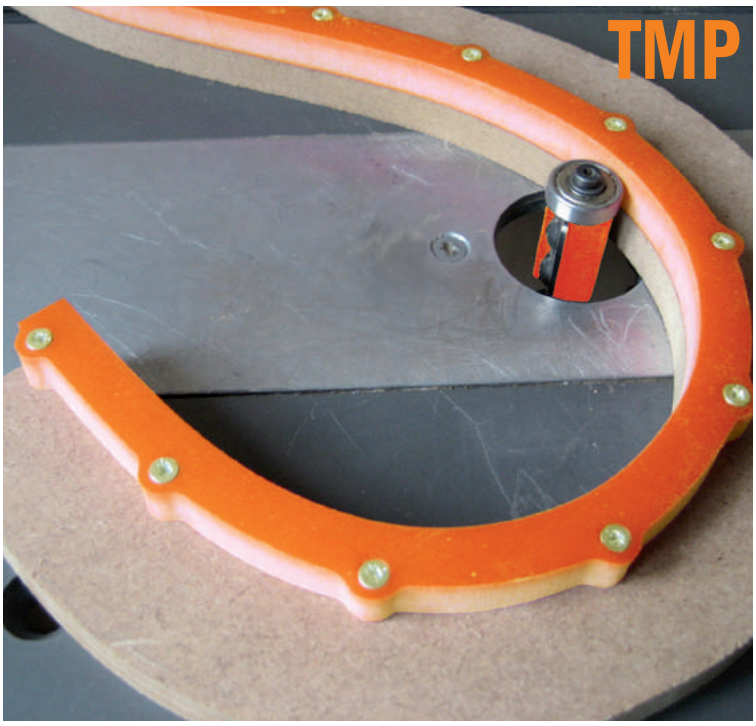
Instruction: spray or apply the product on the desired parts of your woodworking machine. You will obtain a uniform layer on its surface that will aid in the sliding of your workpiece.

Flexible Templates for Curved & Arched Routing

The CMT flexible template is easy to screw on any kind of wooden panels, MDF or chipboard for creating forms, arcs and curved elements easily and rapidly. In order to fix your template you can use countersunk screws, which are widely available on the market. The CMT template is made of a highly-resistant flexible plastic, which can be tied in knots without any risk of ruining or reducing flexibility.

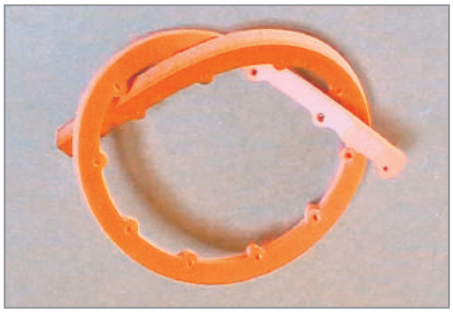
Screw your template to the edge of the panel and follow its shape and rout the border on the guide ring. The template is suitable for manual feed on routers, router tables and spindle moulders. Rout easily, safely and accurately to make multiple forms such as arcs, curved elements and cut-out forms. Mark the edge of your form precisely and screw it onto a previously-placed panel from underneath.

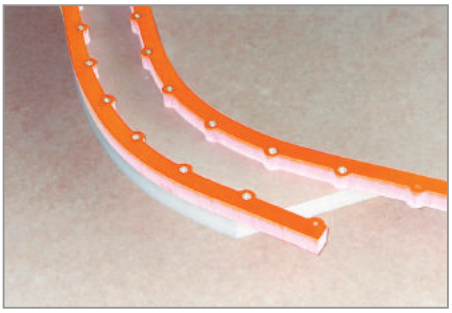
If you rout with a guide ring mounted onto your spindle moulder, keep your hands a safe distance behind the template. Two different profiles in three lengths are available. Please notice that the smallest profile features a short radius, whereas the larger profile features a larger opening in case of flat and long curves.

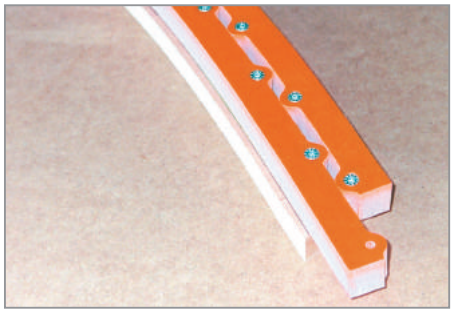


TECHNICAL SPECIFICATIONS:
- Special plastic without any plasticizer.
- Made in Germany.
- Lasts more than 10 years!

DESCRIPTION	L mm	ORDER NO.
Flexible template for routing 18x18mm	1000	**TMP-1000**
Flexible template for routing 12x12mm	1200	**TMP-1200**
Flexible template for routing 18x18mm	2000	**TMP-2000**







12 Corner Radius Router Template Set from 3mm to 25mm

Our useful 3-piece corner radius template set includes 8mm thick acrylic templates that will allow you to make 12 different radii (4 per template) by using a flush trim or a pattern bit (sold separately). Included with the templates you will also find 4 alignment pins and 4 wood screws. Use the pins to align the template onto your workpiece, then use the four wood screws provided to secure it. Remove the alignment pins and use the bit to cut the corner of your workpiece to the same radius as the template.

RADIUS	
mm	inches
3	1/8”
5	3/16”
6	1/4”
8	5/16”
10	3/8”
11	7/16”
12	1/2”
14	9/16”
16	5/8”
19	3/4”
22	7/8”
25	1”

DESCRIPTION	ORDER NO.
12 Corner Radius Router Template	**TMP-R12**
Set contains:	
12 Different Radii (3 templates)	
4 Alignment Pins	
4 Wood Screw	

Laminate/Veneered-Panel Cutter

A very useful hand tool for clean, splinter-free cuts on laminates and veneered with no waste. Place your material into the fence provided and have the cutter run along the edge of the panel. The two opposing steel-made circular cutting blades mounted on roller bearings will trace the cutting line. Use the micrometer knob on the top of the tool to set the cutting thickness, or adjust the strip width by using the metric/inch scale provided. Loosen the lock knob on the scale, move the metal bracket which holds the fence and tighten the lock knob again on the desired cutting width.

DET-003

TECHNICAL FEATURES:

- Cutting width: 12~110mm (15/32" ~ 4-21/64").
- Cutting depth: 0~2mm (0 ~ 5/64").
- Weight: 1.2 kg (2.65 lbs).

DESCRIPTION	ORDER NO.
Laminate/Veneered-Panel Cutter	**DET-003**

Edge Banding Iron

Apply pre-glued edge banding easily and accurately. The iron non-stick surface allows smooth and easy application. The thermostatically controlled short preheat time gets you working quicker. Includes heat resistant metal base to place iron when not in use.

DET-004

- Includes thermostatic heat control.
- Non-stick coating.
- Specially shaped shoe with rounded edges.
- Metal stand.
- 154cm (5-1/2') power cord, 230V.

TECHNICAL FEATURES:

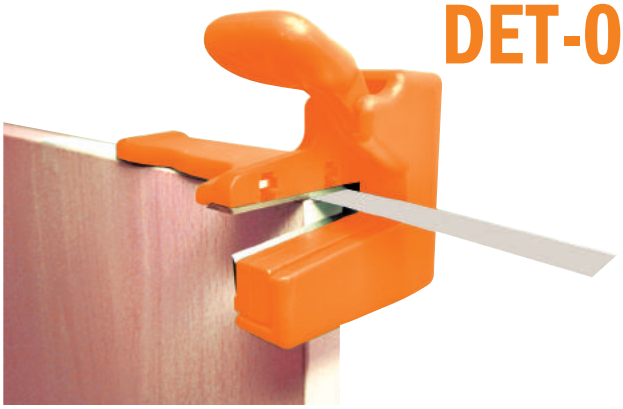
- Voltage: 230V.
- Electric current: 2.5A.
- Low temperature: 70° ±10° C.
- High temperature: 150° ±10° C.

DESCRIPTION	ORDER NO.
Edge Banding Iron	**DET-004**

Edge Banding End Trimmer

An indispensable tool for easy and safe end trimming after edge banding. Position the tool on the banding, press down on the handle to operate the blade in a shearing action. The cutting knives are interchangeable, so when the cutting knife becomes dull, you can simply replace it with the anvil knife for a double lifetime. For cutting banding up to 0,5mm thick with a maximum cutting width of 54mm.
This tool can also be paired up with our double edge trimmer DET-001. We recommend using our edge banding end trimmer DET-002 before using our double-edge trimmer DET-001.

DET-002



DESCRIPTION	ORDER NO.
Edge Banding End Trimmer	**DET-002**

Spare parts **DET-002K** 2-Pcs replacement blade set 55x13x1,5mm

Double-Edge Trimmer

Attach this trimmer to your workpiece, press both ends against the board for a cutting range between 13mm (1/2") and 25mm (1"), move the trimmer in the correct direction indicated by the arrow. This will cut on both sides easily. The first cutter will cut straight, the second one can be adjusted for a tapering cut. Both cutters are made from high-quality hardened steel and can be easily replaced when worn out.

DET-001

DESCRIPTION	ORDER NO.
Double-Edge Trimmer	**DET-001**

Spare parts **DET-001K** Spare knives for double-edge trimmer

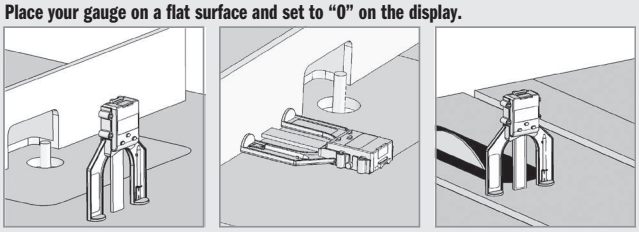
Digital Height Gauge

CMT ORANGE TOOLS®

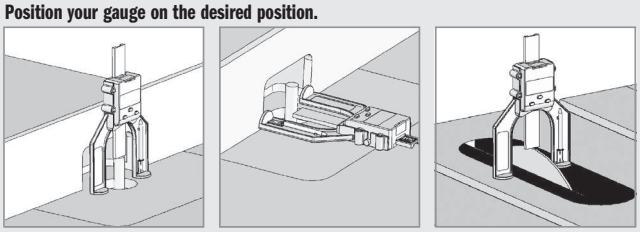
DHG-001

- Precise measurements for router bits, saw blades, band saw blades, cutter heads, drill bits, holes depth.
- Measuring ruler with Metric/Imperial scale and locking screw.
- Horizontal & vertical measuring.
- Digital easy-to-read display.
- Self-standing with magnets, for setting cutting depth on router tables and low profiles for backfence adjustment.
- Instruction manual.

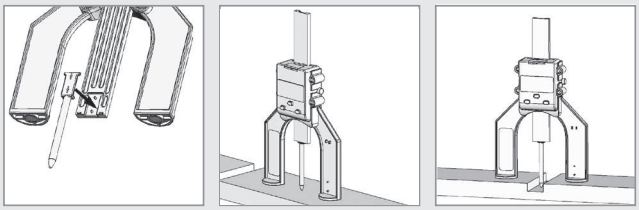
Place your gauge on a flat surface and set to "0" on the display.



Position your gauge on the desired position.



Insert needle and set to "0".



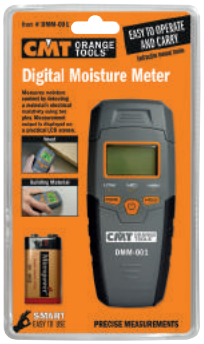
Technical Details:

- Measuring range:	Scale: 0~80mm (0~3"); Needle: 0~50mm (0~2")
- Wide opening:	60mm (2.5")
- Resolution:	0.05mm (0.002")
- Accuracy:	±0.1mm (±0.004")
- Battery:	**Included**
- Battery Type:	CR2032-3V; Lithium Button Cell

Description		Order No.
Digital Height Gauge	10	**DHG-001**

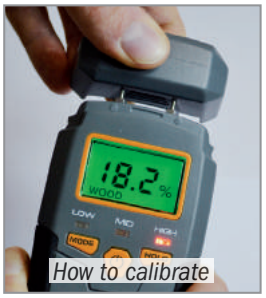
Digital Moisture Meter

DMM-001



Ideal for use in woodworking, building construction and agriculture industries. The DMM-001 is also an invaluable tool in the restoration field. Ideal for locating moisture in carpets and sub-flooring.
Ultra-sensitive Digital Moisture Meter easily detects hidden leaks in wood, concrete, plaster and carpet.
Providing accurate moisture level readings make this tool great for new home inspections, locating roof leaks or even selecting dry lumber at the yard.
Display will show the moisture content in Percent Moisture Content directly.

Calibration holes



How to calibrate

- Measures moisture content by detecting a material's electrical resistivity using two pins.
- Measurement output is displayed on a practical LCD screen.
- Instruction manual.

Technical Details:

- Moisture measuring range:	5~50% (in wood); 1.5~33% (in building material)
- Measuring accuracy:	±2%
- Backlight shut off:	In about 15 seconds
- Auto power off:	After 3 minutes idle
- Battery:	**Included**
- Battery Type:	9V Battery Block (6F22 or 6LR6); Alkaline
- Low battery indicator:	<7V
- Working current:	<25mA
- Working temperature:	32°F~122°F
- Working humidity:	<90%RH non-condensing
- Storage:	-4°F~140°F ≤85% (without battery)
- Dimensions:	145 x 65 x 25mm (5-11/16" x 2-9/16" x 1")
- Weight:	About 3oz (without battery)

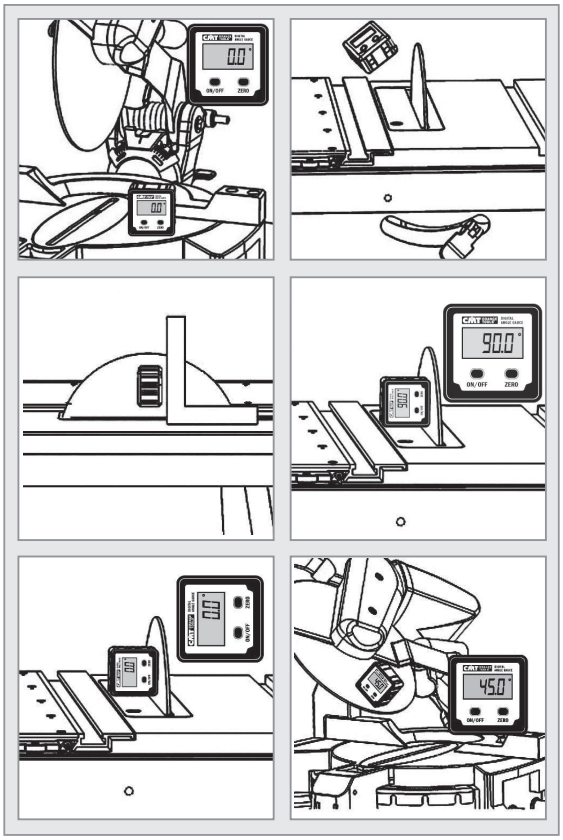
Description		Order No.
Digital Moisture Meter	5	**DMM-001**
Spare parts	**DMM-001/1**	Set 2 Pin for DMM-001

Digital Angle Gauge

DAG-001

The digital angle gauge is a mini waterproof digital protractor that provides digital readings between ±90°x 4 with a resolution of 0,1° and features auto shut off after 5 minutes. It is small enough to be carried around in your pocket and the LED screen is easy to read.
It incorporates magnets in the base for adhesion to any ferrous surface to accurately measure mitre and bevel angles on mitre saws, saw benches, etc.

- Accurately sets saw blade bevel angle, works great for miter saws and table saws.
- Automatic LCD backlight
- Large display for easy digital reading
- Measurements in absolute or relative mode
- Angles displayed in degrees
- Automatic digit inversion for overhead measurements
- Set to ZERO
- Magnetic base
- Case included
- Instruction manual



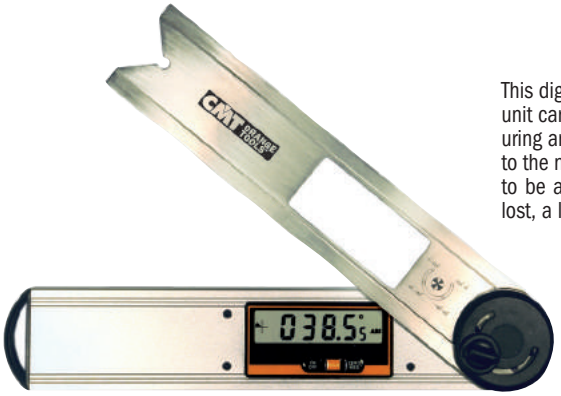
Technical Details:

- Range: ±90°x 4
- Resolution: 0.1°
- Battery: **Included**
- Battery Type: AAA-1.5V; Alkaline
- Dimensions: 60 x 60 x 28mm (2-3/8" x 2-3/8" x 1-1/8")

Watch the video on YouTube

Description	Order No.
Digital Angle Gauge	**DAG-001**

Digital Angle Finder



DAF-001

This digital angle finder is a multi-functional tool for many measuring applications. Easy to operate, the base unit carries the electronics featuring clear detailed LCD display, a pair of levelling vials and a pivoting measuring arm. When the arm is extended, the angle created with the base is indicated clearly on digital read-out to the nearest 0.05°. The measuring range is 0 - 360°. The vials allow both vertical and horizontal variations to be accurately measured. Other features include a lock function to prevent the last measurement being lost, a low battery indicator and automatic shut off function. Robust yet lightweight, this tool is very versatile.

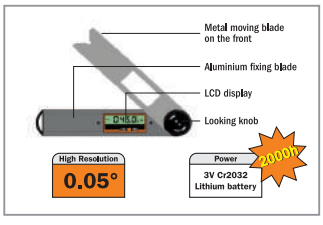
Description	Order No.
Digital Angle Finder	**DAF-001**

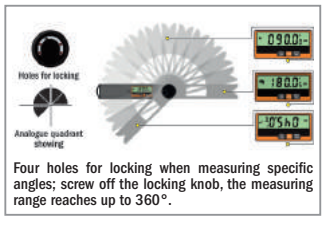
Watch the video on YouTube

- Easy and simple to use.
- Calculates angles in seconds.
- Large detailed LCD display.
- Robust, lightweight aluminium construction.
- Instruction manual.

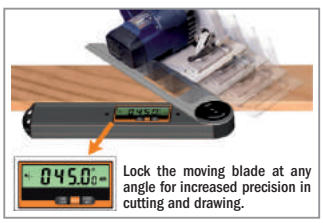
Technical Details:

- Range: 0-360°
- Resolution: 0.05°
- Battery: **Included**
- Battery Type: CR2032-3V; Lithium Button Cell
- Dimensions: 260 x 50 x 25mm (10-1/4" x 2" x 1")

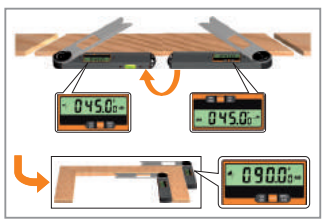




Four holes for locking when measuring specific angles; screw off the locking knob, the measuring range reaches up to 360°.



Lock the moving blade at any angle for increased precision in cutting and drawing.



Diamond Whetstones

CMT ORANGE TOOLS®

DSS

For professional, industrial and home users

FAST: real quality diamond, the hardest known material, reduces the sharpening process.

EASY: stoke the blade across the surface with little pressure.

DURABLE: we use natural diamonds for long-lasting performance.

VERSATILE: for sharpening any hard material, steel, glass, ceramic, tungsten carbide, etc.

For sharpening, honing and lapping

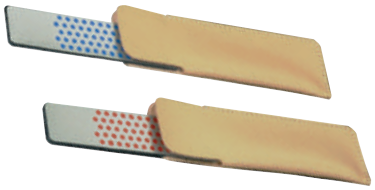
- axes
- bayonets
- broadheads
- cable cutters
- carbide cutters
- chainsaws
- chisels
- climbing equipment
- engraving tools
- farm and garden tools
- fish hooks
- Forstner bits
- knives
- lapidary tools
- lawn mower blades
- masonry drills
- moulds and dies
- plane blades
- planer /jointer knives
- pruners
- ring tool
- router bits
- saw blades
- scissors
- shears
- ski and snowboard edges
- small contact area and pointed tools
- speed and hockey skates
- woodcarving scrapers
- woodturning tools

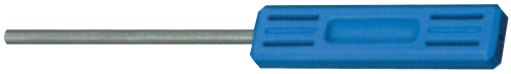
For abrading hard materials

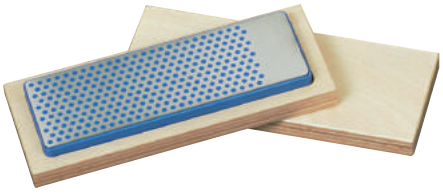
- ceramic
- composites
- fibreglass
- glass
- stainless steel
- stone
- titanium
- tool steel
- tungsten carbide

For flattening

- chisel backs
- engine heads
- machine bolsters and ways







Universal diamond whetstone in leather sheaths

Dimensions mm	Grain	Colour	ORDER NO.
115 x 25 x 3	D15 extrafine	green	DSS-115E
115 x 25 x 3	D25 fine	red	DSS-115F
115 x 25 x 3	D46 coarse	blue	DSS-115M
115 x 25 x 3	D76 extracoarse	black	DSS-115G

Diamond whetstone file

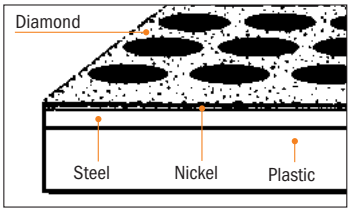
Dimensions mm	Grain	Colour	ORDER NO.
100 Ø4,8	D54 coarse	blue	DSS-048M

Universal diamond whetstones in hardwood case

Dimensions mm	Grain	Colour	ORDER NO.
150 x 52 x 16	D15 extrafine	green	DSS-150E
150 x 52 x 16	D25 fine	red	DSS-150F
150 x 52 x 16	D46 coarse	blue	DSS-150M
150 x 52 x 16	D76 extracoarse	black	DSS-150G

A unique production process to guarantee long tool life

A perforated steel plate is moulded onto a strong plastic base by applying high pressure. The steel is then covered with natural diamonds embedded into a nickel plate. The pattern and diamond coating ensures fast sharpening, whereas the plastic indents hold the lubricating water and disperse the fine dust emitted by the diamonds during sharpening.



The diamond whetstones are available in four meshes for multiple purposes:

D15 EXTRAFINE/GREEN (9 microns, 1200 mesh)
To refine and polish sharp edges to razor sharp perfection. If you are new to sharpening or need your knife or tool edges as sharp as possible, this grain type but if this suffice, then this is what you are looking for.

D25 FINE/RED (25 microns. 600 mesh)
To restore any slightly dull knife or tool edges to perfect sharpness. Many customers consider the fine grit grain to be suitable to satisfy any working need. Professional chefs and gourmet cooks prefer using this grit grain too. This product is perfect for the edge refinement process before micro-refinement and polishing.

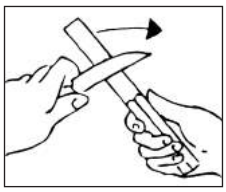
D46 COARSE/BLUE (45 microns, 325 mesh)
To quickly restore dull edges. For workers who require faster cutting action and less edge refinement often use this grit grain.

D76 EXTRA-COARSE/BLACK (60 microns, 220 mesh)
Recommended for aggressive removal of metal on damaged tools or for heavy-duty outdoor tools such as axes and lawn mower blades. Also, this grit grain is commonly used as a first step for flattening the back of chisel and plane irons or for rapid stock removal from chipped or badly damaged edges.

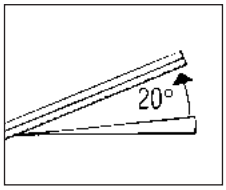
Instructions

Use water for lubrication, after use, rinse and store dry.

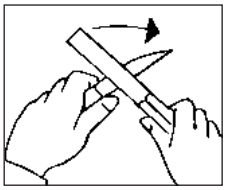
1. Keep your knife with cutting edge away from you.



2. Apply some water to the stone surface. Hold blade 20° to diamond surface.



3. With little pressure and in long strokes push the blade across surface. From edge heel to edge tip, alternately on both sides. For pointed tools. Use the unperforated diamond area.



Bowl & Tray System

CMT ORANGE TOOLS®

BTS-002

CMT System BTS-002 provides a fun and easy way for you to make divided bowls and trays in your shop. No lathe? No problem. This bowl making technique uses a router and CMT's unique bowl and tray router bit. The resulting bowls and trays are beautiful. This kit also provides an excellent way to use up scrap wood. Glue pieces together, butcher block style, to make a beautiful pattern of colors and species.

The templates will withstand a lifetime of use and can be used to make a variety of bowl or tray styles. The collet extension, used to make extra deep bowls, is also useful whenever your general woodworking requires extra deep cuts.

TMP-012
MDF Template

TMP-011
MDF Template

Description	ORDER NO. S=Ø12mm
Bowl & Tray System	**BTS-002**
The kit includes	
Router Bit	951.502.11B
Router Collet Extension	796.002.00
MDF Template nr. 1	TMP-011
MDF Template nr. 2	TMP-012
Instruction manual	

Join us on our YouTube

Trace the templates onto the bowl blank.

Rough out the interior using a drill press and a 50,8mm Forstner bit.

Rout the interior to final shape using the bowl and tray router bit and collet extension.

Bandsaw the exterior to final shape.

Optional

TMP-101
MDF Template
400x400mm.

TMP-103
MDF Template
400x400mm.

TMP-105
MDF Template
330x300mm.

Folding Ruler

- Fiberglass material, water & scratch resistant.
- Impact resistant, tough yet flexible.
- No rust.
- Guaranteed professional quality.
- Merchanding display with 12 rulers.

FR2M

Description		Order No.
Folding Ruler	12	**FR2M**

Carpenter Pencil

An easy-grip shape and larger rectangular surface area means this pencil won't roll away or slip from your hands. The non-round core makes highly legible thick or thin lines. Perfect for tracing high precision markings on virtually any surface and easy to erase.
Strong lead center withstands the stress of rough handling as well as the rigours and extreme conditions of the construction environment.

PCL-1

Description		Order No.
Carpenter Pencil	50	**PCL-1**

CMT Professional Tool Bag

- Top zipped design and wide opening for accessing tools easily,
- Sturdy material and hard rubber bottom are resistant to rough handling and protects the contents from hard falls,
- 6 interior pockets, 12 exterior pockets,
- Ideal for storing and transporting hand tools as well as other medium sized items & accessories.

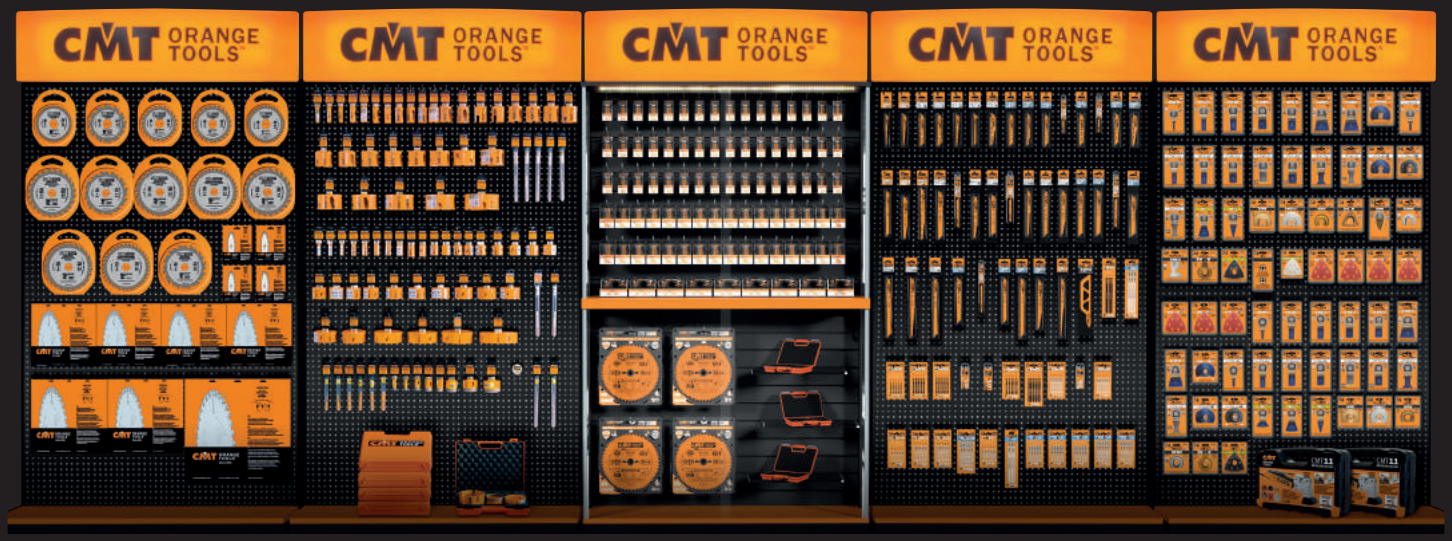
Material: Polyester 600D with 3mm EPE foam
Dimensions: 400x200x250mm

BAG-001

5 rubber studs at bottom

Description		Order No.
CMT Professional Tool Bag	12	**BAG-001**

Display Cabinets



PRODUCTS	PAGE
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Display Cabinets for Sabre & Jig Saw Blades	385
Display Cabinets for Multi-Cutters	386
Display Cabinets for Router Bits	387
Display Cabinets for Router Bits & Forstner Bits	388
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Display Cabinets for Drill & Boring Bits	390
Multi Tools Mini Counter Display	391

Display Cabinets for Saw Blades

A sturdy steel saw blade display cabinet equipped with a backlight to place anywhere in your store. Hang and display a variety of different saw blades. Contact your CMT representative to seek advice on the most effective sawblade display composition for your needs. **Tools not included.**

03.00.0038

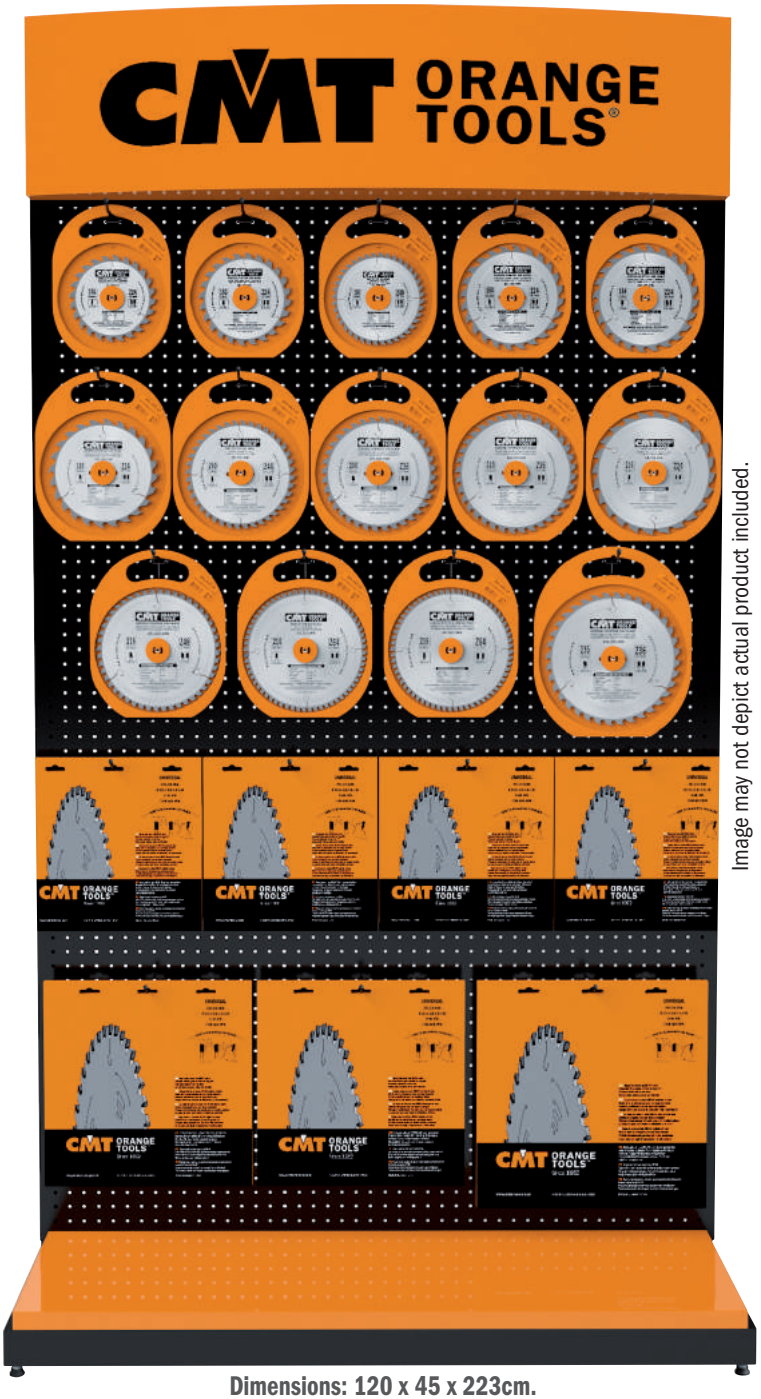


Image may not depict actual product included.

Dimensions: 120 x 45 x 223cm.

03.00.0030

We also offer a practical wire counter display for saw blades up to Ø350mm.

Dimensions: 51 x 49 x 27cm.

DISPLAYS THAT SELL!

Suitable for all blades types

ORANGE CHROME

XTREME PERFORMANCE

ITK PLUS

CMT CONTRACTOR TOOLS

03.53.0011-X24
(150mm.)

03.53.0012-X24
(50mm.)

Description	Order No.
Wire counter display only ***(empty)***	**03.00.0030**
Display cabinet with backlight (220V) for saw blades ***(empty)*** hooks not included, order separately	**03.00.0038**
Hooks 50mm. (24-pc pack)	**03.53.0012-X24**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**
220V LED wand for sign display cabinet ***(spare parts)***	**03.54.0097**

A sturdy steel sabre and jig saw blade display cabinet equipped with a backlight to place anywere in your store. You can hang and display a variety of different blades. Contact your CMT representative to seek advice on the most suitable blade display composition for your needs. **Tools not included.**

IMBALL0143

Counter cardboard display for jig saw blades

CMT's end cap cardboard display for jig saw blades takes advantage of the existing space in your store and is designed for being placed on a counter, existing shelves or inside CMT's display cabinets. Suitable for stocking up to 12 different jig saw blade types, 10 packs each, 120 packs in total. The end cap cardboard display helps increase product visibility and sell more!

DISPLAYS THAT SELL!

03.00.0038

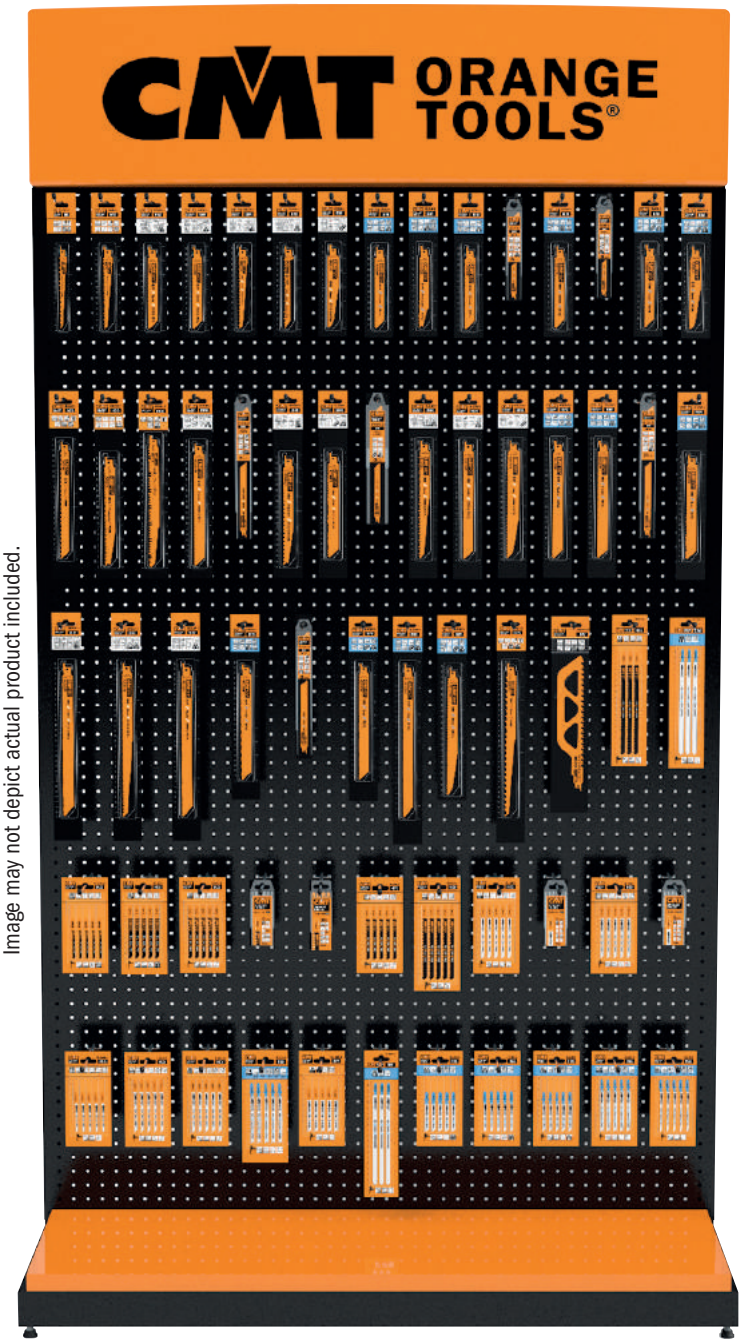
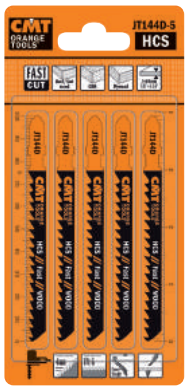
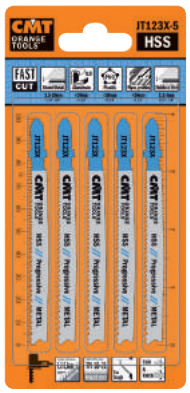


Image may not depict actual product included.

Dimensions: 120 x 45 x 223cm.



5-PIECE MASTERPACK



25-PIECE MASTERPACK

5-PIECE MASTERPACK

20-PIECE MASTERPACK

03.53.0020-X12

(50mm, for JS)

03.53.0012-X24

(50mm)

03.53.0011-X24

(150mm)

Description	Order No.
Counter display only ***(empty)***	**IMBALL0143**
Display cabinet with backlight (220V) for sabre and jig saw blades ***(empty)*** hooks not included, order separately	**03.00.0038**
Hooks 50mm. (24-pc pack)	**03.53.0012-X24**
Hooks 50mm. for JS (12-pc pack)	**03.53.0020-X12**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**
220V LED wand for sign display cabinet ***(spare parts)***	**03.54.0097**

Display Cabinet for Multi-Cutters

A sturdy steel multi-cutter diplay cabinet featuring an attractive backlight to place anywhere in your store. You can hang and display a variety of different cutters. Contact your CMT representative to seek advice on the most most effective cutter display composition for your needs. **Tools not included.**

WOOD

WOOD&METAL

MULTI-MAT

MASONRY

1-PIECE CLAMSHELL
5-PIECE MASTERPACK

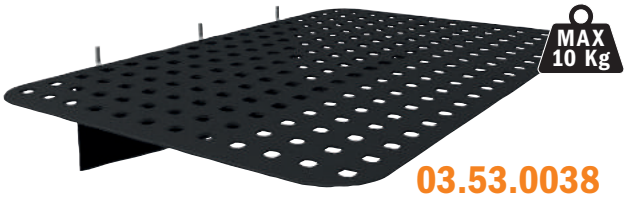
03.53.0011-X24
(150mm.)

03.53.0012-X24
(50mm.)

03.00.0038

Image may not depict actual product included.

Dimensions: 120 x 45 x 223cm.



03.53.0038
Minimum order 2-pieces or multiple

DISPLAYS THAT SELL!

Description	Order No.
Display cabinet with backlight (220V) for multi-cutters ***(empty)*** hooks not included, order separately	**03.00.0038**
Hooks 50mm. (24-pc pack)	**03.53.0012-X24**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**
220V LED wand for sign display cabinet ***(spare parts)***	**03.54.0097**

Display Cabinet for Router Bits

This sturdy structure is hand-crafted from MDF, tempered glass and iron. The cabinet is free-standing and provides 360° visibility thereby allowing you to position the display anywhere in your store. The front is a convenient 2 component assembly. The upper section is designed to display 141 of the best selling router bits from the CMT router bit line as well as 20 corresponding spare parts. The lower compartments can perfectly fit 10 of the most popular wooden box sets or saw blades, if required. Glass doors are secured with key lock.

WOOD Magazine Best Overall

CMT Overall Rating 10!
Top Performing Router Bits

Deluxe packaging

03.53.0011-X24
(150mm.)

03.53.0017

03.00.0042

Image may not depict actual product included.

Dimensions: 120 x 45 x 223cm.

DESCRIPTION	ORDER NO.
Display cabinets with: 240 HW router bits (S=Ø6mm), 66 spare parts (saw blades not included, at your choice)	**700.300.00L**
Display cabinets with: 240 HW router bits (S=Ø8mm), 66 spare parts (saw blades not included, at your choice)	**900.300.00L**
21 pcs. HW router bits with shank Ø12mm for our display cabinet ***(optional)***	**900.021.00**
Display cabinet for router bits and cutter heads ***(empty)*** / Hooks not included, order separately	**03.00.0042**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**
Toolholder shelf (270x209x1,5mm.) for CMT display cabinet 03.00.0042 for router bit sets	**03.53.0017**
220V LED wand for sign display cabinet ***(spare parts)***	**03.54.0097**
Set of 2 220V LED strips for display cabinet ***(spare parts)***	**03.54.0089**
Set of 2 metal supports (RH-LH) for light header sign ***(spare parts)***	**03.53.0109**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**

Display Cabinet for Router Bits & Forstner Bits

A beautiful, well-organized display of router bits in your shop is the best way to encourage customers to buy. CMT has produced this beautiful cabinet to best show off our wide selection of high quality bright orange bits, Forstner bits and boring bits.
Made with a sturdy MDF frame and three glass panels, it is the ideal counter-top display.
The wooden slat back wall allows for easy bit organization and comes standard with front door lock.
Glass door secured with key lock.

WOOD Magazine Best Overall Router Bits
CMT Overall Rating 10!
Top Performing Router Bits

03.00.0002

03.00.0002

Image may not depict actual product included.

Suitable for boring and Forstner Bits
(at your choice)

Deluxe packaging

Forstner clamshell

03.53.0011-X24
(150mm.)

DISPLAYS THAT SELL!

Description	Order No.
Display cabinet with: 76 HW Router bits (S=Ø6mm), 8 Spare parts (2 pcs. each)	**700.084.00**
Display cabinet with: 76 HW Router bits (S=Ø8mm), 8 Spare parts (2 pcs. each)	**900.084.00**
Display cabinet for router bits / Forstner bits ***(empty)*** / Hooks not included, order separately	**03.00.0002**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**

Display Cabinet for Hole Saws

A sturdy steel hole saw display cabinet complete with a backlight to place anywhere in your store. You can hang a variety of different types of hole saws. Contact your CMT representative to seek advice on the best hole saw display composition for your needs. **Tools not included.**

NO LIMITS with the FASTX4 hole saws you can bore any material of any hardness!

SERIES 550 TUNGSTEN CARBIDE-TIPPED
SERIES 553 TUNGSTEN CARBIDE-TIPPED LONG

10X LONGER LIFE

5X FASTER

SERIES 551 BI-METAL PLUS 8% COBALT

2X LONGER LIFE

SERIES 552 DIAMOND DRY

10X LONGER LIFE

03.00.0038

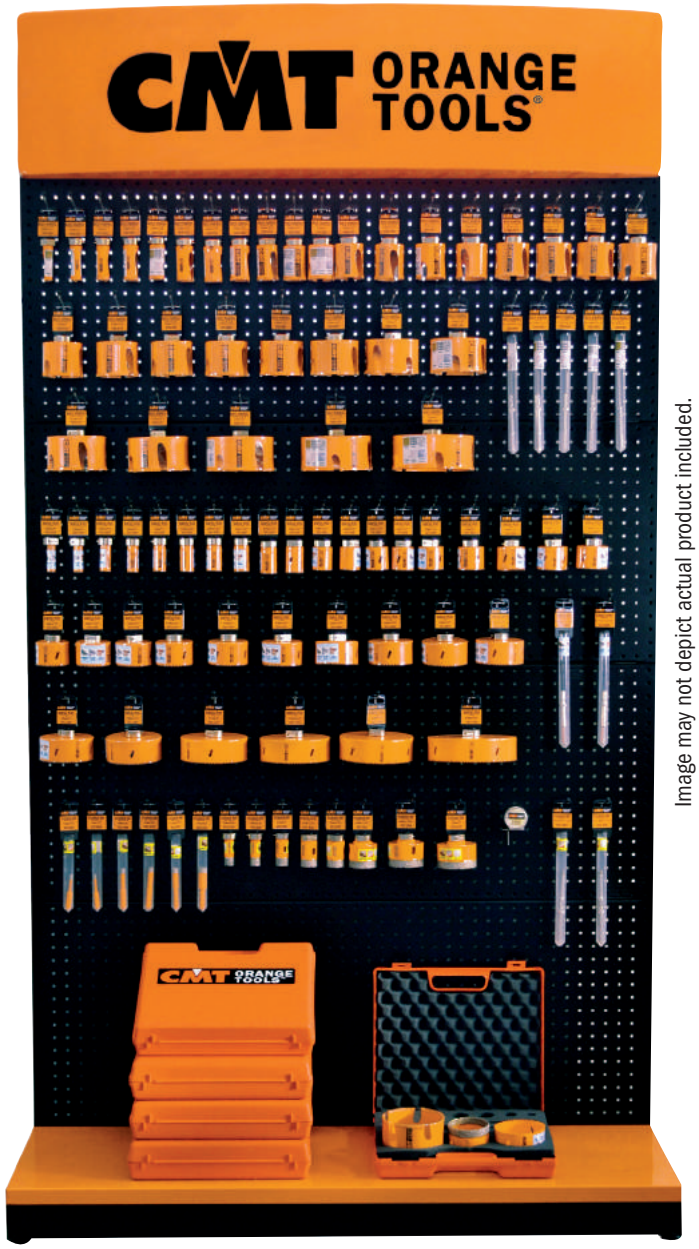
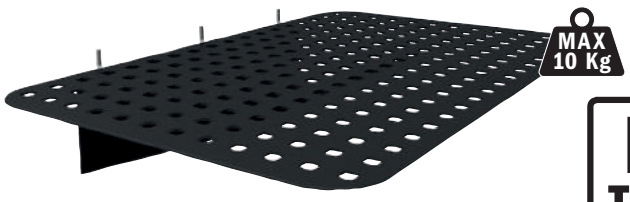


Image may not depict actual product included.

Dimensions: 120 x 45 x 223cm.

03.53.0013-X24
(200mm.)

03.53.0011-X24
(150mm.)



03.53.0038
Minimum order 2-pieces or multiple

DISPLAYS THAT SELL!

DESCRIPTION	ORDER NO.
Display cabinet with backlight (220V) for hole saws ***(empty)*** hooks not included, order separately	**03.00.0038**
Hooks 150mm. (24-pc pack)	**03.53.0011-X24**
Hooks 200mm. (24-pc pack)	**03.53.0013-X24**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**
220V LED wand for sign display cabinet ***(spare parts)***	**03.54.0097**

03.00.0042

Start your stock of CMT drill and boring bits now by ordering a convenient display to help you get organized and keep your tools within reach. Contact your CMT representative for information and get the best advice on choosing the right selection of drill bits for your display from our very broad range. **Tools not included.**

- **Fit Top Selling 120 SKUs.**
- **Fit up to 20 Deep**
- **Secured Glass with Key Lock**

XTREME BORING BITS

Image may not depict actual product included.

Dimensions:
120 x 31 x 223cm.

03.53.0017 Toolholder steel shelf for drill & boring bits.
Fit up to 40 shelves into tower.
Fastening screw for bit: **990.010.00**

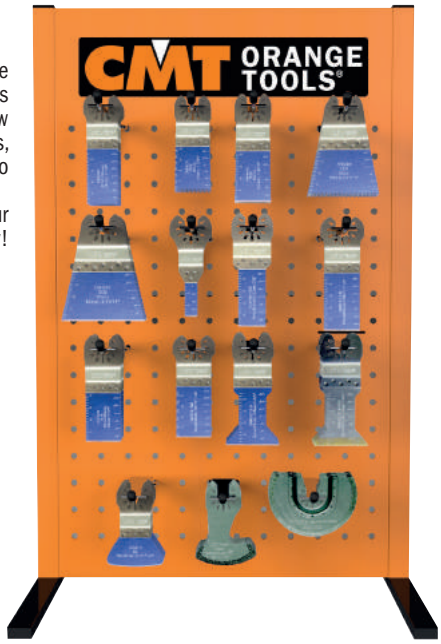
Dimensions: 270 x 209 x 1,5mm.

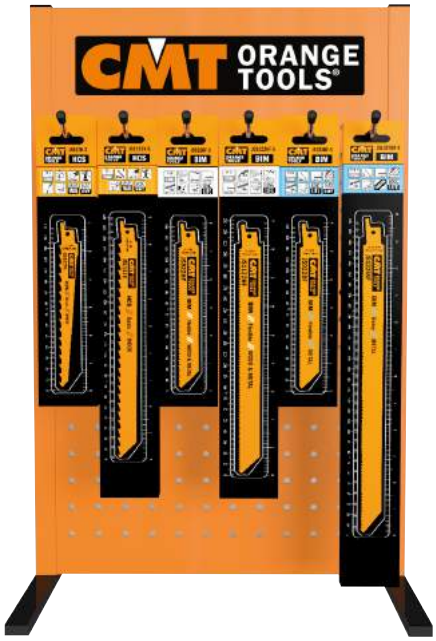
DISPLAYS THAT SELL!

Description	Order No.
Display cabinet for drill and boring bits ***(empty)*** / Toolholder shelf not included, order separately	**03.00.0042**
Toolholder shelf (270x209x1,5mm.) for CMT display cabinet 03.00.0042 for drill and boring bits (order separately)	**03.53.0017**
220V lamp for neon sign for display cabinet ***(spare parts)***	**03.54.0087**
Set of 2 220V LED strips for display cabinet ***(spare parts)***	**03.54.0089**
Set of 2 metal support (RH-LH) for light header sign ***(spare parts)***	**03.53.0109**
Lighted header sign CMT ORANGE 220V ***(spare parts)***	**03.54.0084**

03.00.0043

This simple yet attractive counter display will increase product visibilty and definitely increase your sales. This cabinet supports a great variety of tools like jig saw blades, sabre saw blades, oscillating tools, router bits, Forstner bits, drill bits and hole saws. The best way to attract and encourage customers to buy!
A sturdy steel body in our trademark orange colour makes for the ideal eye-catching counter-top display!
Tools not included.

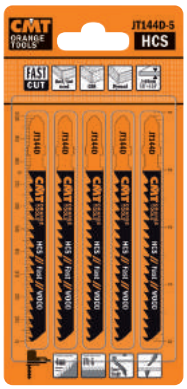




Dimensions: 35 x 56 x 16cm.

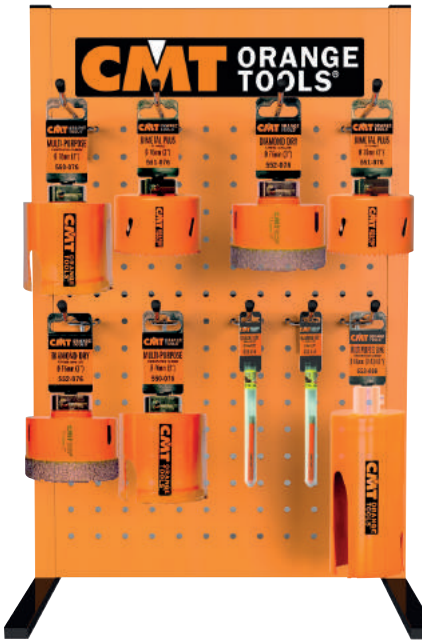
Image may not depict actual product included.

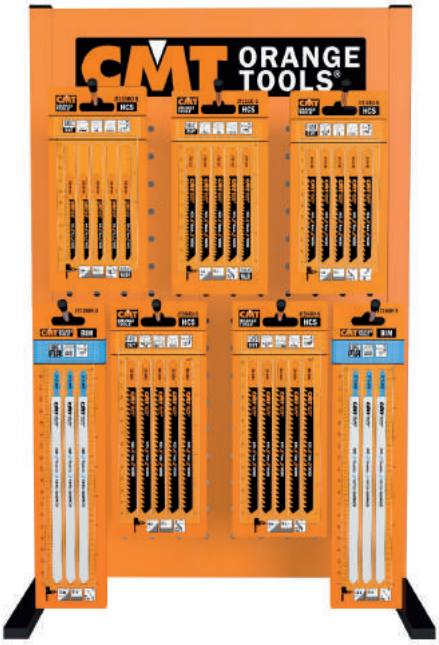
Suitable for all tools type



Jig Saw Blades

Sabre Saw Blades





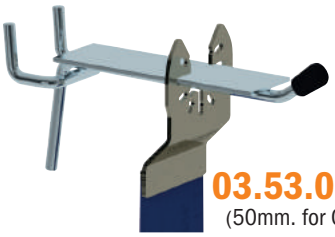
Oscillating Tools

Router Bits

Forstner Bits

Hole Saws

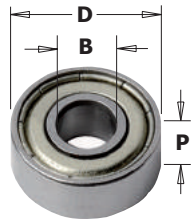
03.53.0012-X24
(50mm)

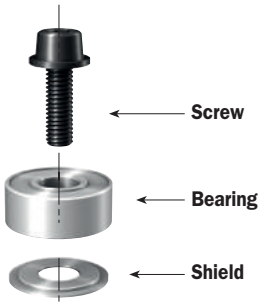


03.53.0014-X12
(50mm. for OMM & OMS)

03.53.0020-X12
(50mm. for JS)

Description	Order No.
Mini Counter Display ***(empty)*** Hook not included, order separately	**03.00.0043**
Hooks 50mm. (24-pc pack)	**03.53.0012-X24**
Hooks 50mm. for OMM & OMS (12-pc pack)	**03.53.0014-X12**
Hooks 50mm. for JS (12-pc pack)	**03.53.0020-X12**





BE SURE: to keep the black washer right side up to correspond with the bearing rotation during reassembly.

new

*** Undersized diameter bearing for use after resharpening. Fits all tools such as flush trims**

791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening

791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

These bearings are supplied in a 10 pc. case. Minimum 10 piece or multiple of 10 piece order.

****** Delrin® Cylindrical Bearings**

**** 10° Delrin® Conical Bearings**

***** Delrin® Triangular Bearings**

Bearings

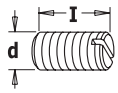
791

	D mm	D inches	B mm	B inches	P mm		ORDER NO.
	6,35	1/4	3,17	1/8	2,8	10	**791.035.00**
new	9,3		4,76	3/16	3,17	10	**791.062.00***
	9,5	3/8	4,76	3/16	3,2	10	**791.002.00**
new	12,5		4,76	3/16	4,98	10	**791.063.00***
	12,7	1/2	4,76	3/16	5	10	**791.003.00**
	12,7	1/2	6,35	1/4	4,8	10	**791.010.00**
	13		5		4	10	**791.022.00**
	13		6		5	10	**791.023.00**
	15		6		5	10	**791.024.00**
	15,8	5/8	4,76	3/16	5	10	**791.018.00**
	15,8	5/8	6,35	1/4	5	10	**791.009.00**
	16		5		5	10	**791.006.00**
	16		8		5	10	**791.025.00**
	19	3/4	4,76	3/16	7,5	10	**791.019.00**
	19		6		6	10	**791.007.00**
	19	3/4	6,35	1/4	7	10	**791.004.00**
	19		8		6	10	**791.034.00**
	19	3/4	12,7	1/2	4	10	**791.011.00**
	22		8		6	10	**791.012.00**
	22		8		7	10	**791.005.00**
	22,2	7/8	4,76	3/16	7,5	10	**791.017.00**
	22,2	7/8	9,52	3/8	7	10	**791.021.00**
	22,2	7/8	12,7	1/2	7	10	**791.013.00**
	24		8		8	10	**791.036.00**
	28		12		8	10	**791.026.00**
	28,5	1-1/8	4,76	3/16	8,4	10	**791.014.00**
	28,5	1-1/8	8		8,5	10	**791.030.00**
	28,5	1-1/8	12,7	1/2	8	10	**791.027.00**
	31,7	1-1/4	8		5	10	**791.033.00**
	31,7	1-1/4	12,7	1/2	8	10	**791.015.00**
	34,9	1-3/8	4,76	3/16	11,5	10	**791.016.00**
	34,9	1-3/8	8		11,6	10	**791.031.00**
	34,9	1-3/8	12,7	1/2	11	10	**791.029.00**
	37		12		12	10	**791.028.00**
	38,1	1-1/2	12,7	1/2	13,3	10	**791.020.00**
	62		30		16	10	**791.051.00**
	62		35		14	1	**791.052.00**
	80		40		18	1	**791.054.00**
	80		50		16	1	**791.053.00**
Delrin® Cylindrical Bearings							
	12,7	1/2	4,76	3/16	5	10	**791.044.00******
	15,87	5/8	4,76	3/16	7,2	10	**791.045.00******
	19,05	3/4	4,76	3/16	6,8	10	**791.046.00******
	37,4		12,7	1/2	15,7	10	**791.047.00******
10° Delrin® Conical Bearings							
	19	3/4	4,76	3/16	6,8	10	**791.041.00****
	22	7/8	4,76	3/16	6,8	10	**791.048.00****
Delrin® Triangular Bearings							
	12,7	1/2	4,76	3/16	5,8	10	**791.042.00*****
	19	3/4	4,76	3/16	7	10	**791.043.00*****

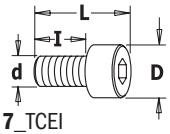
Shields for Bearings

990

DESCRIPTION		ORDER NO.	DESCRIPTION		ORDER NO.
Ø9,5mm	10	**990.422.00**	Ø12,7mm	10	**990.423.00**



1_STIC



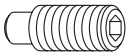
7_TCEI

2_STEI Flat

8_TSPEI

3_STEI Conical

9_TCPTI

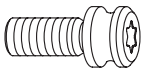


4_STEI Pin

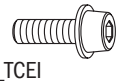
10_TSPTI

5_TCEI Guide

11_TBTI



6_WEEKE

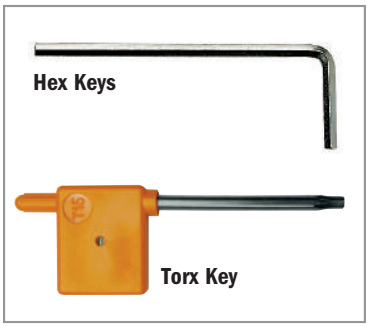


12_TCEI

Screws

990

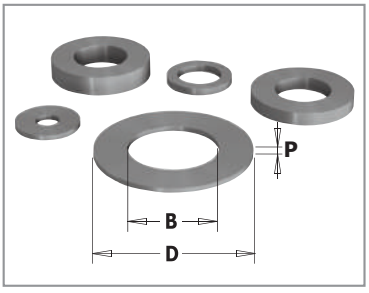
d x l x L mm	D mm	Type		Order No.	d x l x L mm	D mm	Type		Order No.
M5x8		1	10	990.008.00	M4x12x16	7	7	10	990.061.00
M5x10		1	10	990.003.00	M6x25x31	10	7	10	990.098.00
M2x2		2	10	990.060.00	M8x25x33	13	7	10	990.099.00
M4x4		2	10	990.016.00	1/8"x1/2"x5/8"	5,5	7	10	990.059.00
M4x20		2	10	990.091.00	M5x10x15	8,5	7	10	990.010.00
M5x4		2	10	990.015.00	M4x4x6	8	8	10	990.004.00
M5x5		2	10	990.001.00	M5x9x12	10	8	10	990.055.00
M5x5 w/cup point		2	10	990.006.00	M5x5,2x8	9	8	10	990.067.00
M3x3		3	10	990.005.00	M6x8x10	9	8	10	990.083.00
M5x5		3	10	990.002.00	M6x8,7x12	12	8	10	990.116.00
M6x6		3	10	990.007.00	1/4"x11/16"x7/8"	12	9	10	990.097.00
M4x3		3	10	990.013.00	1/8"x3/8"x1/2"	7	12	10	990.058.00
M4x4		3	10	990.014.00	M3x4x5,7 (T8)	4,6	9	10	990.082.00
M6x5		3	10	990.009.00	M4x5,5x8 (T20)	7,4	9	10	990.094.00
M6x8		4	10	990.087.00	M2,5x3x4,5 (T8)	3,5	10	10	990.070.00
M6x10		4	10	990.106.00	M2,5x4,5x6 (T8)	3,7	10	10	990.071.00
M6x16		4	10	990.066.00	M4x2x3 (T9)	6	10	10	990.079.00
M6x20		4	10	990.084.00	M5x3,6x6,1 (T25)	8,8	10	10	990.080.00
M6x25		4	10	990.085.00	M5x5x8 (T25)	9	10	10	990.093.00
M8x12		4	10	990.065.00	M5x13x18 (T15)	6,8	10	10	990.063.00
M8x16		4	10	990.064.00	M3,5x3,5x6 (T15)	6	11	10	990.072.00
M8x20		4	10	990.086.00	M3,5x4,8x6,8 (T15)	6	11	10	990.115.00
M5x5x9	6	5	10	990.068.00	M3,5x5x7,2 (T15)	8,8	11	10	990.073.00
M5x11,5x17		6	10	990.088.00	M3,5x5,7x8,2 (T15)	6	11	10	990.077.00
M2,5x6x8,5	4,5	7	10	990.062.00	M4x3,5x5,7 (T15)	8,8	11	10	990.074.00
M3x6x9	5,5	7	10	990.051.00	M4x4x6,2 (T15)	5,8	11	10	990.076.00
M3x10x13	5,5	7	10	990.053.00	M4x4x6,2 (T15)	8,8	11	10	990.056.00
M3x16x19	5,5	7	10	990.054.00	M4x6x8 (T15)	6	11	10	990.078.00
M4x6x10	7	7	10	990.052.00	M4x6x8,2 (T15)	9	11	10	990.075.00



Keys for Screws

991

Description		Order No.	Description		Order No.
Hex Keys			6mm	10	991.066.00
0,9mm (voor M2-bout)	10	991.055.00	**Torx Key**		
1,5mm (voor M3-bout)	10	991.056.00	T8	10	991.063.00
2mm	10	991.060.00	T9	10	991.069.00
3/32" (voor 1/8W-bout)	10	991.057.00	T15	10	991.061.00
2,5mm (voor M4-bout)	10	991.062.00	T20	10	991.072.00
3mm	10	991.067.00	T25	10	991.073.00
4mm	10	991.064.00	T30	10	991.071.00
5mm	10	991.065.00			



Shields for Assembly

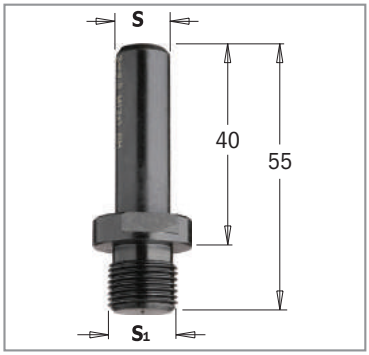
541

B mm	D mm	P mm		Order No.	B mm	D mm	P mm		Order No.
3,25	9	1,6	10	541.550.00	8	14,7	5,8	10	541.519.00
3,25	15,8	2	10	541.552.00	12	20	2	10	541.512.00
5,2	15,8	2,5	10	541.551.00	12	20	3	10	541.511.00
6,4	9,52	2,2	10	541.514.00	12	21	0,1	10	541.513.00
8	14	0,1	10	541.515.00	12	21	0,3	10	541.520.00
8	14	0,3	10	541.516.00	12	21	1,59	10	541.521.00
8	14	0,5	10	541.517.00	12	21	3,18	10	541.522.00
8	14	1	10	541.518.00	12	21	6,16	10	541.523.00
8	14,7	3	10	541.500.00	12	21	1	10	541.524.00
8	14,7	4	10	541.501.00	12	21	0,5	10	541.525.00

Nuts for Arbors

990.0

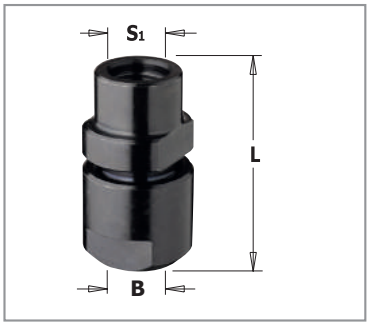
Description		Order No.	Description		Order No.
M4	10	990.092.00	M8	10	990.020.00
M6	10	990.095.00	M12x1,25mm	10	990.022.00



Arbors — 797

S mm	S1 mm			ORDER NO.
8	M10x1,5		10	797.580.00
10	M12x1		10	797.100.00
12	M12x1		10	797.120.00
12,7	M12x1		10	797.127.00

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.



Collet Chucks — 796

S1 mm	B mm	L mm		ORDER NO.
M10x1,5	6 - 6,35 - 8 - 9,5	38	10	796.100.00
M12x1	6 - 6,35 - 8 - 9,5	38	10	796.000.00
M12x1	10 - 12 - 12,7	47	10	796.121.00

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.

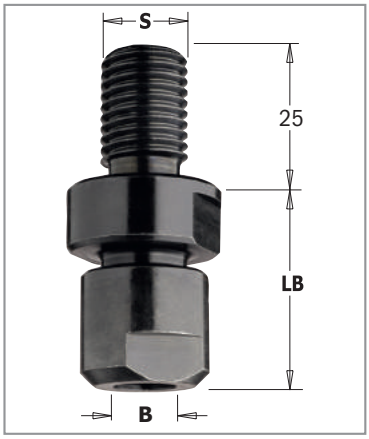
Collet not included.

Router Chuck Extensions with Collet — 796.001/002

S mm	COLLET INCLUDED mm	FOR COLLETS mm	L mm		ORDER NO.
12	8	6 - 6,35 - 8 - 9,5	81	10	796.002.01
12	12	10 - 12 - 12,7	88	10	796.002.00
12,7	6,35	6 - 6,35 - 8 - 9,5	81	10	796.001.01
12,7	12,7	10 - 12 - 12,7	88	10	796.001.00

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.

Collet included.



Collet Chucks — 796

S mm	FOR COLLETS mm	LB mm		ORDER NO.
M14x2	6 - 6,35 - 8 - 9,5	32	10	796.140.00
M14x2	10 - 12 - 12,7	38	10	796.141.00
M16x2	6 - 6,35 - 8 - 9,5	32	10	796.160.00
M16x2	10 - 12 - 12,7	38	10	796.161.00

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.

Collet not included.

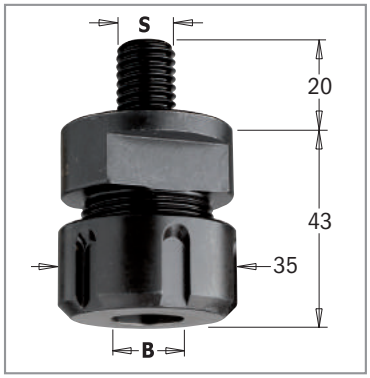
Collets — 796.500/600

B mm		ORDER NO.	B mm		ORDER NO.
6	10	796.560.00	10	10	796.600.00
6,35	10	796.564.00	12	10	796.620.00
8	10	796.580.00	12,7	10	796.627.00
9,5	10	796.595.00			

Arbors 798

S mm	S1 mm			ORDER NO.
M10x1,5	M10x1,5		10	798.101.00
M10x1,5	M12x1		10	798.102.00
M12x1	M10x1,5		10	798.121.00
M12x1	M12x1		10	798.122.00

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.



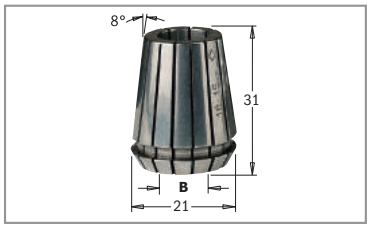
"ER20" Chucks 796

S mm	FOR COLLETS "ER20" mm	LB mm		ORDER NO.
M12x1,75	3 ~ 12,7	43	10	796.122.00
M14x2	3 ~ 12,7	43	10	796.142.00
M16x2	3 ~ 12,7	43	10	796.162.00

Spare parts: **992.483.03** M25x1,5mm clamping nut
991.483.00 "ER20" key

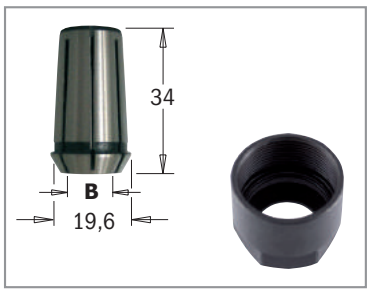
TECHNICAL DETAILS:
Super strength steel. Precisely machined for accuracy.

Collet not included.



"ER20" Precision Collets for 796.122/142/162 Items 184

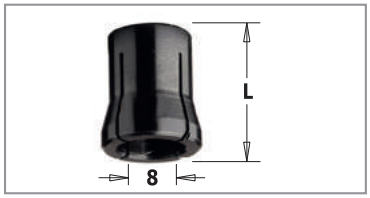
B mm		ORDER NO.	B mm		ORDER NO.
3	10	184.030.20	8	10	184.080.20
5	10	184.050.20	10	10	184.100.20
6	10	184.060.20	12	10	184.120.20
6,35	10	184.064.20	12,7	10	184.127.20



Collets for CMT1E, CMT2E, DeWalt®, Felisatti®, Fein®, Metabo® Hand-Held Routers 796.8

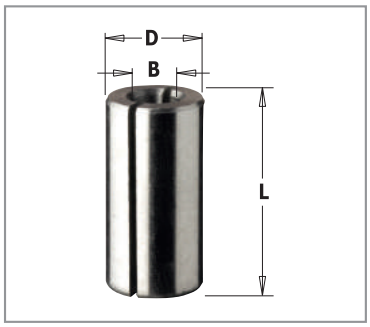
B mm		ORDER NO.	B mm		ORDER NO.
6	10	796.860.00	10	10	796.900.00
6,35	10	796.864.00	12	10	796.920.00
8	10	796.880.00	12,7	10	796.927.00
9,5	10	796.895.00			

Spare parts: **992.100.01** M22 clamping nut



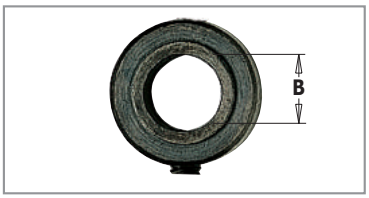
Collets for Freud®/Casals® Hand-Held Routers 796.780

B mm	L mm		ORDER NO.
8	14	10	796.780.00



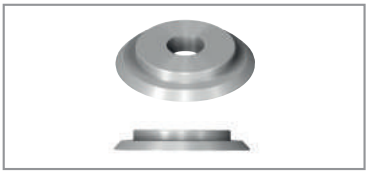
Bushings 799

B mm	D mm	L mm		ORDER NO.	B mm	D mm	L mm		ORDER NO.
6	8	25	10	799.060.00	8	10	25	10	799.280.00
6	9,5	25	10	799.160.00	8	12	25	10	799.380.00
6	12	25	10	799.260.00	8	12,7	25	10	799.480.00
6,35	8	25	10	799.064.00	9,5	12,7	25	10	799.001.00
6,35	9,5	25	10	799.164.00	10	12	25	10	799.100.00
6,35	12,7	25	10	799.264.00	13	16	45	10	799.130.00
8	9,5	25	10	799.180.00					



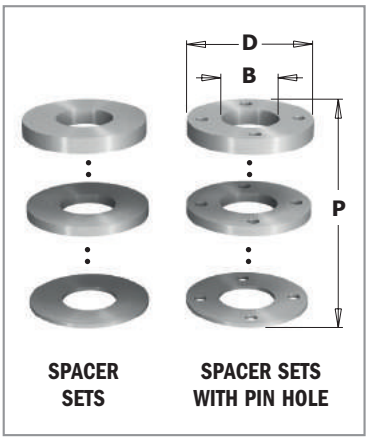
Stop Collars — 541

B mm		ORDER NO.	B mm		ORDER NO.
3,175	10	**541.008.00**	9,5	10	**541.006.00**
6	10	**541.003.00**	12	10	**541.005.00**
6,35	10	**541.001.00**	12,7	10	**541.002.00**
8	10	**541.004.00**			



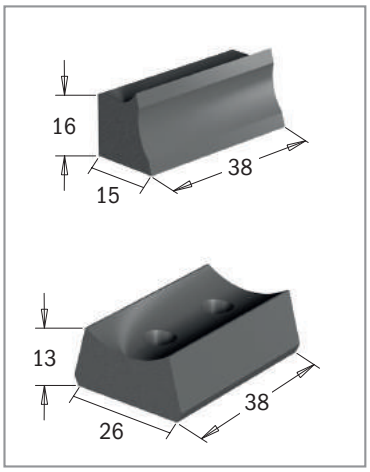
Threaded Rings for 694.001 Cutter Heads — 695.996

DESCRIPTION		ORDER NO.
M4 (Ø10x1,6mm)	10	**695.996.01**
M4 (Ø12x1,7mm)	10	**695.996.02**



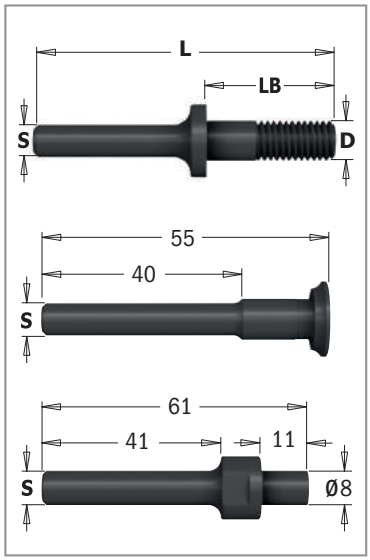
Spacers Set — 695.998

DESCRIPTION D x B x P mm	FOR CUTTER HEAD		ORDER NO.	DESCRIPTION D x B x P mm	FOR CUTTER HEAD		ORDER NO.
Spacer Sets				**Spacer sets with Pin Hole**			
50x30x9	694.015	10	**695.998.01**	65x30x8	694.001 & 694.015	10	**695.998.21**
50x31,75x9	694.015	10	**695.998.02**	65x31,75x8	694.001 & 694.015	10	**695.998.22**
55x35x9	694.015	10	**695.998.03**	65x35x8	694.001 & 694.015	10	**695.998.23**
60x40x9	694.015	10	**695.998.04**	70x40x8	694.001 & 694.015	10	**695.998.24N**
70x50x9	694.015	10	**695.998.05**	70x50x8	694.001 & 694.015	10	**695.998.25N**
50x30x33	694.005	10	**695.998.11**				
50x31,75x33	694.005	10	**695.998.12**				
55x35x33	694.005	10	**695.998.13**				
60x40x33	694.005	10	**695.998.14**				
70x50x22	694.005	10	**695.998.15**				



Wedges for Cutter Heads — 651-692-693-695

DESCRIPTION		ORDER NO.	DESCRIPTION		ORDER NO.
Wedge for Cutter Heads			31x11x9,5mm	10	**695.999.31**
38x15x16mm	10	**692.999.01**	38x11x9,5mm	10	**695.999.38**
38x22,5x13mm	10	**692.999.02**	39x11x9,5mm	10	**695.999.39**
38x26x13mm	10	**693.999.01**	41x11x9,5mm	10	**695.999.41**
38x28x12,5mm	10	**693.999.02**	42x11x9,5mm	10	**695.999.42**
38x15x16mm (per/para 695.018)	10	**695.018.01**	46x11x9,5mm	10	**695.999.46**
7x11x9,5mm	10	**695.999.07**	49x11x9,5mm	10	**695.999.49**
16x11x9,5mm	10	**695.999.16**	53x11x9,5mm	10	**695.999.53**
17x11x9,5mm	10	**695.999.17**	**Wedges for Router Bits with Knives**		
22x11x9,5mm	10	**695.999.22**	D=8x20mm	10	**651.999.01**
23x11x9,5mm	10	**695.999.23**	D=10-12-12,7x30mm	10	**651.999.02**
23x11x9,5mm	10	**695.999.24**	D=12-12,7x50mm	10	**651.999.03**



Slot Cutter Arbors — 7/8/924

D mm	LB mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
Arbors for 822 Slot Cutters								
M8	26	61	10	**724.060.00**	**824.064.00**	**924.080.00**		
M8	40	86	10			**924.083.00**		
M8	26	67,5	10				**924.120.00**	**824.127.00**
M8	40	81	10				**924.128.00**	**824.128.00**
M12	54	97	10				**924.129.00**	**824.129.00**
M8	47	97	10				**924.130.00**	**824.130.00**
M8	29,75	71	10				**924.131.00**	**824.131.00**
M8	35,5	71	10				**924.132.00**	**824.132.00**
M8	23	71	10				**924.133.00**	**824.133.00**
M12	39,5	85	10				**924.134.00**	**824.134.00**
M12	54,5	100	10					**824.135.00**
Arbors for 823 Slot Cutters with Counterbore								
		55	10	**724.061.00**	**824.061.00**	**924.081.00**		**824.121.00**
8	11	61	10	**724.062.00**	**824.062.00**	**924.082.00**		**824.122.00**

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2 Flute Dowel Drills	302-303
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2 Piece Adjustable Grooving Sets	99
2 Piece Adjustable Rounding & Chamfering Sets	101
2-Piece Entry Door Router Bit Set	231
2.4KW Router	353
26-Piece Router Bit Sets	227
3 piece Adjustable Grooving Sets	98
3-Flute Slot Cutter for STRIPLOX™	219
3-Flute Solid Carbide Countersink 90°	310
3-in-1 Flush Trim Bits for MDF/Laminate	164
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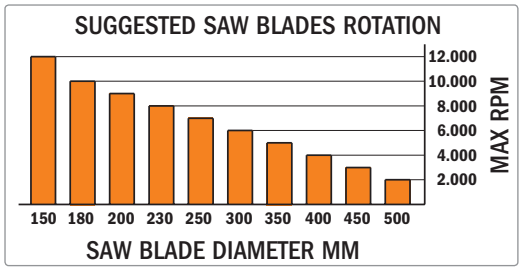
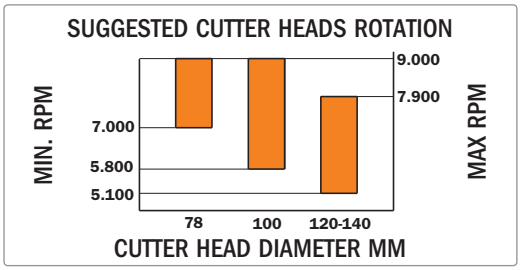
Saw blade safety

- **ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- **ALWAYS** wear safety glasses and ear protection when using power tools.
- **ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- **ALWAYS** use a fence and splitter when using the table saw. Do not make freehand cuts.
- **ALWAYS** use pusher blocks or a pusher stick, especially when working with small or narrow pieces.
- **ALWAYS** unplug your saw before cleaning or adjusting the tool, or before making blade changes.
- **ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- **ALWAYS** feed the workpiece against the rotation of the blade on table saws.
- **ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- **NEVER** remove guards from radial arm saws and miter saws.
- **NEVER** remove the splitter or anti-kickback devices from table saws.
- **NEVER** use dull or damaged blades.
- **NEVER** use blades with missing or chipped teeth.
- **NEVER** force the cut or overload the saw.
- **NEVER** change blades with the saw is plugged in.
- **NEVER** make adjustments to any saw while the blade is rotating.

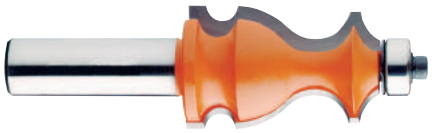


Cutter head safety

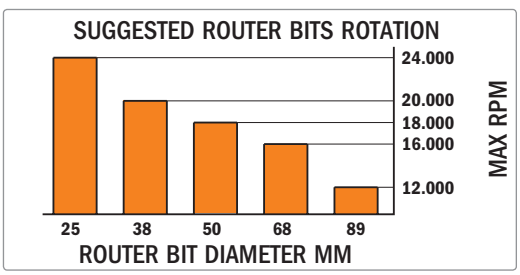
- **ALWAYS** thoroughly check all cutters for damage and flaws before using.
- **ALWAYS** wear safety glasses and ear protection when using power tools.
- **ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- **ALWAYS** use guards that were supplied with your shaper.
- **ALWAYS** use a fence with your shaper. Do not make freehand cuts.
- **ALWAYS** use pusher blocks, especially when working with small or narrow pieces.
- **ALWAYS** unplug your shaper before cleaning or adjusting the tool, or before making cutter or knife changes.
- **ALWAYS** be sure the spindle nut is tight before plugging in the shaper.
- **ALWAYS** check that knives are properly and securely installed in the cutterhead when using interchangeable-knife systems.
- **ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- **ALWAYS** feed the workpiece against the rotation of the knives.
- **ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- **NEVER** remove guards or any other safety devices from your shaper.
- **NEVER** use dull or damaged knives.
- **NEVER** force the cut or overload the shaper.
- **NEVER** change cutters or knives or make adjustments with the shaper plugged in.
- **NEVER** make adjustments to the shaper while the cutter is rotating.



Router bits safety



- **ALWAYS** thoroughly check all tools for possible flaws before using.
- **ALWAYS** wear safety glasses and ear protection.
- **ALWAYS** thoroughly read the owners manual and manufacturer instructions before using.
- **ALWAYS** check that at least 75% of the shank is securely inserted into the collet of the router.
- **ALWAYS** use template guide collars when possible to absorb lateral bit deflection.
- **ALWAYS** use a fence when working on the router table.
- **ALWAYS** reduce the router speed when working with larger diameter bits.
- **ALWAYS** keep your fence adjusted so there is some clearance between the bearing guide and the workpiece.
- **ALWAYS** take care to remove large quantities of stock (cross section > 10mm) in more than one run.
- **ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- **NEVER** use dull or defective tools, even suspiciously defective.
- **NEVER** force the shank entirely into the collet (bottoming out). Leave about a 3,2mm (1/8") space from the bottom.
- **NEVER** force the bit into your router or overload the router.



Conversion Table

Inch Decimals	Inch Fractions (x)						Millimeters					
	1/64	1/32	1/16	1/8	1/4	1/2	mm	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
								25.400	50.800	76.200	101.600	127.000
0.015625	1/64						0.397	25.797	51.197	76.597	101.997	127.397
0.031250		1/32					0.794	26.194	51.595	76.994	102.394	127.794
0.046875	3/64						1.191	26.591	51.991	77.391	102.791	128.191
0.062500			1/16				1.588	26.988	52.388	77.788	103.188	128.588
0.078125	5/64						1.984	27.384	52.784	78.184	103.584	128.984
0.093750		3/32					2.381	27.781	53.181	78.581	103.981	129.381
0.109375	7/64						2.778	28.178	53.578	78.978	104.378	129.778
0.125000				1/8			3.175	28.575	53.975	79.375	104.775	130.175
0.140625	9/64						3.572	28.972	54.372	79.772	105.172	130.572
0.156250		5/32					3.969	29.369	54.769	80.169	105.569	130.969
0.171875	11/64						4.366	29.766	55.166	80.568	105.966	131.366
0.187500			3/16				4.762	30.162	55.562	80.962	106.362	131.762
0.203125	13/64						5.159	30.559	55.959	81.359	106.759	132.159
0.218750		7/32					5.556	30.956	56.356	81.756	107.156	132.556
0.234375	15/64						5.953	31.353	56.753	82.153	107.553	132.953
0.250000					1/4		6.350	31.750	57.150	82.550	107.950	133.350
0.265625	17/64						6.747	32.147	57.547	82.947	108.347	133.747
0.281250		9/32					7.144	32.544	57.944	83.344	108.744	134.144
0.296875	19/64						7.541	32.941	58.341	83.741	109.141	134.541
0.312500			5/16				7.938	33.338	58.738	84.138	109.538	134.938
0.328125	21/64						8.334	33.734	59.134	84.534	109.934	135.334
0.343750		11/32					8.731	34.131	59.531	84.931	110.331	135.731
0.359375	23/64						9.128	34.528	59.928	85.328	110.728	136.128
0.375000				3/8			9.526	34.925	60.325	85.725	111.125	136.525
0.390625	25/64						9.922	35.322	60.722	86.122	111.522	136.922
0.406250		13/32					10.319	35.719	61.119	86.519	111.919	137.319
0.421875	27/64						10.716	36.116	61.516	86.916	112.316	137.716
0.437500			7/16				11.112	36.512	61.912	87.312	112.712	138.112
0.453125	29/64						11.509	36.909	62.309	87.709	113.109	138.509
0.468750		15/32					11.906	37.306	62.706	88.106	113.506	138.906
0.484375	31/64						12.303	37.703	63.103	88.503	113.903	139.303
0.500000						1/2	12.700	38.100	63.500	88.900	114.300	139.700
0.515625	33/64						13.097	38.497	63.897	89.297	114.697	140.097
0.531250		17/32					13.494	38.894	64.294	89.694	115.094	140.494
0.546875	35/64						13.891	39.291	64.691	90.091	115.491	140.891
0.562500			9/16				14.288	39.688	65.088	90.488	115.888	141.288
0.578125	37/64						14.684	40.084	65.484	90.884	116.284	141.684
0.593750		19/32					15.081	40.481	65.881	91.281	116.681	142.081
0.609375	39/64						15.478	40.878	66.278	91.678	117.078	142.478
0.625000				5/8			15.875	41.275	66.675	92.075	117.475	142.875
0.640625	41/64						16.272	41.672	67.072	92.472	117.872	143.272
0.656250		21/32					16.669	42.069	67.469	92.869	118.269	143.669
0.671875	43/64						17.066	42.466	67.866	93.266	118.666	144.066
0.687500			11/16				17.462	42.862	68.262	93.662	119.062	144.462
0.703125	45/64						17.859	43.259	68.659	94.059	119.459	144.859
0.718750		23/32					18.256	43.656	69.056	94.456	119.856	145.256
0.734375	47/64						18.653	44.053	69.453	94.855	120.253	145.653
0.750000					3/4		19.050	44.450	69.850	95.250	120.650	146.050
0.765625	49/64						19.447	44.847	70.247	95.647	121.047	146.447
0.781250		25/32					19.844	45.244	70.644	96.044	121.444	146.844
0.796875	51/64						20.241	45.641	71.041	96.441	121.841	147.241
0.812500			13/16				20.638	46.038	71.438	96.838	122.238	147.638
0.828125	53/64						21.034	46.434	71.834	97.234	122.634	148.034
0.843750		27/32					21.431	46.831	72.231	97.631	123.031	148.431
0.859375	55/64						21.828	47.228	72.628	98.028	123.428	148.828
0.875000				7/8			22.225	47.625	73.025	98.425	123.825	149.225
0.890625	57/64						22.622	48.022	73.422	98.822	124.222	149.622
0.906250		29/32					23.019	48.419	73.819	99.219	124.619	150.019
0.921875	59/64						23.416	48.816	74.216	99.616	125.016	150.416
0.937500			15/16				23.812	49.212	74.612	100.012	125.412	150.812
0.953125	61/64						24.209	49.609	75.009	101.409	126.809	152.209
0.968750		31/32					24.606	50.000	75.406	100.806	126.206	151.606
0.984375	63/64						25.003	50.403	75.803	101.203	126.603	152.003

Explanation of Symbols

HW HW Tungsten Carbide Tipped	CARBIDE GRIT Carbide Grit	HWM Solid Tungsten Carbide	INSERT CARBIDE Insert Carbide
SP Alloyed Tools Steel	HSS High Speed Steel	HPS High Performance Steel	HCS High Carbon Steel
HL High-Alloyed Tool Steel	HQ STEEL Heavy-Duty Steel 44 HRC	BIM 8% Co Bimetal	BIM TiN TiN Coated Bimetal with 8% Cobalt Teeth
CERMET CARBIDE Cermet Carbide	DP Polycrystalline Diamond	Polycrystalline Diamond	GRIT Diamond Grit
Tool with Bearing	Z1 One Cutting Edge	Z2 Two Cutting Edges	Z3 Three Cutting Edges
Z4 Four Cutting Edges	Z1+1 One + One Cutting Edges	Z2+1 Two + One Cutting Edges	Z2+2 Two + Two Cutting Edges
Z3+3 Three + Three Cutting Edges	Z4+4 Four + Four Cutting Edges	Z3R Three Cutting Edges with Chipbreaker	V1 One Spur
V2 Two Spur	V4 Four Spur	RH Right-hand Rotation	LH Left-hand Rotation
LH RH Right-hand & Left-hand Rotation	Antikick-back	Radial Relief	Tool with Plunging Capacity
Axial Angle	MEC Mechanical Feed	MAN Manual Feed	Flush Trimming
Grooving, Sizing	Rebating, Profiling, Beveling	Slooting	Spiral Boring
Avoid Axial Plunging	Not for Hand Held use for Router Table only	Saw Blade with Dampening Slots with Fill	Saw Blade with Dampening Slots without Fill
Plastic Carry Case for Saw Blades	Clamshell Carry Case for Saw Blades	Cardboard Box for Saw Blades	Plastic Box for Cutter Head
Plastic Box for Router Bits	ORANGE CHROME® ORANGE CHROME®	NON-STICK ORANGE SHIELD COATING Non-Stick Orange Shield Coating®	CMT CONTRACTOR TOOLS CMT CONTRACTOR TOOLS®
ITK ORANGE INDUSTRIAL ITK ORANGE®	SHEAR ANGLE Shear Angle Grind	XTREME High Performance Tool	EXTRA HARD DLCS CHROME COATING DLCS CHROME COATING
Wear Five Finger Gloves	Wear Safety Glasses	Wear Ear Protection	Wear Dust Mask
Wear Safety Shoes	Wear Safety Helmet	HV10 Hardness Vickers 10kg (HV10)	N/mm^2 Transverse Rupture Strength (expressed in N/mm^2)
Warning			

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Cash payments can only be accepted for purchases done directly at the **C.M.T.** factory located in Chiusa di Ginestreto (Pesaro) in accordance with article 1182, sub-section 3 of the Civil Code, or upon delivery of the goods provided there is a written agreement between the parties.
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A delay in payment, even partial, will automatically incur interest in the amount of an extra 5% to be charged to the customer's account.
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This warranty does not cover the possible injuries resulting from inappropriate use of defective tools.
C.M.T.will repair or replace any goods which the buyer shall prove to have been defective in material or workmanship upon analysis by its technical department. Any complaint must be communicated within fifteen days from receipt of the goods together with a written form in which the customer provides a detailed description of the defect.Any return of tools will only be accepted upon authorisation by **C.M.T.** and the freight will be at the customer's own expense.

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