CMT ORANGE TOOLS®

CATALOGUE 2026
ENGLISH EDITION













5.500 TIMES **#THANKYOU**

Not just Anyone, but Distributors
who carry our Orange further every day.

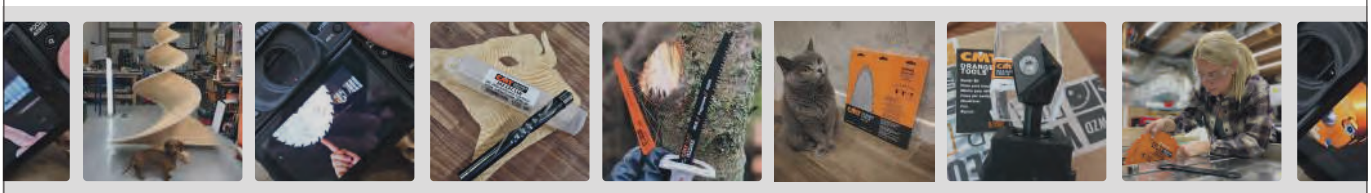
15.500 TIMES **#TOGETHER**

Not just Followers, but Professionals
who share our same Passion for quality.

ONE COLOR.

EMPOWERING THOUSANDS OF HANDS.

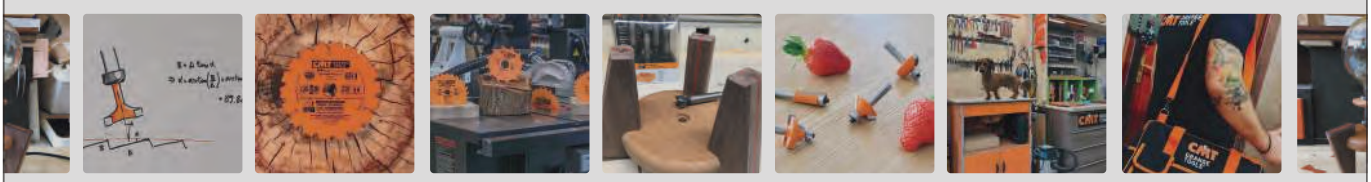
THANK YOU



TO THOSE WHO BRING CMT TO THE WORLD.

TO THOSE WHO CREATE.

TO THOSE WHO SHARE.



These images are reposted and credit goes to their respective owners.

SCAN. FOLLOW. STAY INSPIRED.

Blade Chart Abbreviations

B = Bore Diameter
D = Diameter
K = Kerf Thickness
P = Plate Thickness
PH = Pin Hole
PITCH T = (D*3.14)/Z
RPM = Round per Minute
T_1 = Workable Thickness
V = N° of Rakers
Z = N° of Teeth

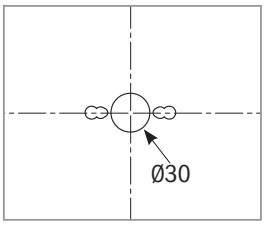
α = Hook Angle
β = Type/Angle of Grind:
ATB = Alternate Top Bevel Grind
CO / CONICAL = Conical Teeth
FFT = Flat-Flat-Trapezoidal
FLAT / FTG = Flat Top Grind
FWF = Flat with Alternate Chamfer
HDF = Hollow Ground Teeth
Hi-ATB = High Alternate Top Bevel Grind
HR = Hollow Back Teeth
MATB = Alternate Top Bevel with Chamfer Grind
MTCG = Triple Chip Grind (Trapezoidal) with Chamfer
TCG = Triple Chip Grind (Trapezoidal)

BW = Bevel Alternate (Metal Cutting)
C/HZ = Double Bevel and Flat (Metal Cutting)

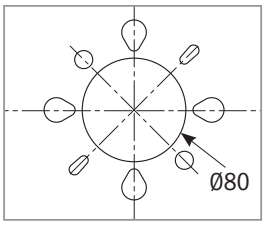
Chart Abbreviations

α = Axial Angle
A = Angle
B = Bore Diameter
D / D_2 / d = Diameter
H = Cutting Depth
I / I_1 = Cutting Length
K = Thickness
L / L_1 = Overall Length
LB = Relative Lenght
R / R_1 = Radius
RPM = Round per Minute
S / S_1 = Shank Diameter
T_1 = Workable Thickness
TPI = Teeth per Inch
TS = Tooth Spacing
V = N° of Spurs
V_f = Feed Speed
W = Width
Z = N° of Teeth

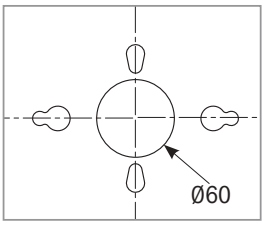
= Dispatch Package Q.ty (Inner Pack)



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



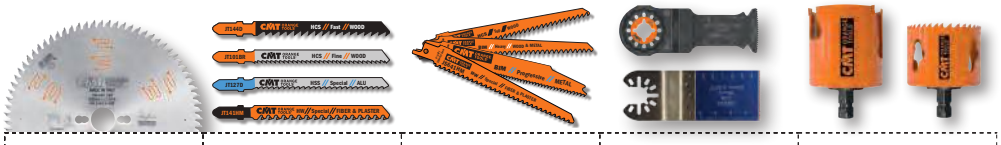
COMBI5
2/7/110mm
2/8,4/130mm
2/14/110mm
4/9/100mm
4/19/120mm



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

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
NON-FERROUS					
MULTI-MATERIALS					
SPECIAL / MASONRY					DIAMOND GRIT

CMT ORANGE TOOLS®

CMT HISTORY

2023 to present:
90+ Countries Worldwide
€50+ Million in sales
230+ Employees

2022 60 CMT 1962-2022

2019 C.M.T. Utensili – Udine, Saw Blades Division opens

2003 Marcello Tommassini is nominated CEO

2002 C.M.T. Utensili Srl transforms into C.M.T. Utensili S.p.A.

2001 C.M.T. Utensili, España (Valencia) opens

1995 CMT USA Inc. (Greensboro NC) opens

1991 Marcello Tommassini applies the distinctive orange color sign

1982 Osvaldo's sons, Marcello and Stefano Tommassini, join the company

1981 Permanent headquarters moves to the Chiusa di Ginestreto

1970's the first headquarters and factory opens its doors in the industrial zone in Pesaro and becomes C.M.T. Utensili Srl

1964 C.M.T. "Costruzioni Meccaniche Tommassini" is born

1962 Osvaldo Tommassini opens the first workshop in downtown Pesaro



CMT headquarters in the 1970's

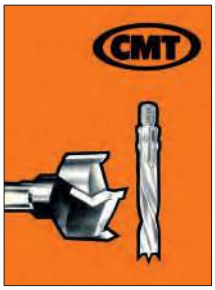
CMT LOGO EVOLUTION



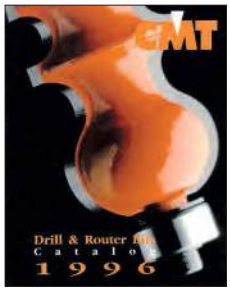
Hello there!
My name is **CMT ORANGE TOOLS**, I am the brand name of a dynamic Italian company which I am proud to tell you about.
I was born in **1962** thanks to the initiative of my creator and company founder, Osvaldo Tommassini.
By the way, **CMT** stands for Costruzioni Meccaniche Tommassini. Over the years, my appearance has changed significantly.
In **1991** and **1997**, my two brothers (Bit and Blade) were born and following them, many others.
Orange by birth, together we make a great team and are synonymous with quality!
Today, after much hard work, our name has gone global so much so that our photo is registered in Trademark offices around the world.
Present in 90 countries around the world, our family has grown, the result of undying enthusiasm and above all,
the color **ORANGE**!











Our first catalogs

CMT HISTORY & LOGO EVOLUTION


SAW BLADES 4~88


JIG SAW BLADES 89~95


SABRE SAW BLADES 96~109


ACCESSORIES FOR OSCILLATING MULTI-TOOLS 111~134


TOOLS WITH BORE & KNIVES 135~177


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HOLE SAWS & MULTI-MATERIAL WHEELS 382~396


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DISPLAY CABINETS 426~435


SPARE PARTS 436~441

MADE IN ITALY SINCE 1962!



PESARO, ITALY
HEADQUARTER & PRODUCTION PLANT



UDINE, ITALY
PRODUCTION PLANT





GREENSBORO, USA
WAREHOUSE



VALENCIA, SPAIN
WAREHOUSE

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.



Loading the automated multi-axis CNC sharpening machines.

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.

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 TOOLS**. 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

SCAN. FOLLOW. STAY INSPIRED.

Maximize Your SAW'S Performance

CMT ORANGE TOOLS®

	ORANGE CHROME®	CHROME SHIELD	XTREME	INDUSTRIAL	ITK PLUS®
BLADE RANGE					
PERFORMANCE	★★★★★	★★★★★	★★★★	★★★★	★★★★
					
PACKAGING	CARTON BOX + COLORED LABEL				PLASTIC CLAMSHELL
STEEL PLATE	**LASER-CUT PREMIUM QUALITY STEEL PLATE BODY** Made with 46-48 HRC premium quality harmonic steel from Germany and laser-cut to perfection providing tighter tolerances translating to longer life and accurate cutting ability.			**LASER-CUT HIGH QUALITY STEEL PLATE BODY** Made with 44 HRC high quality steel and laser-cut to ensure longer life and precision cutting.	
EXPANSION SLOTS	**LASER-CUT HEAT EXPANSION SLOTS** Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugal forces.				
SOUND DAMPENING SLOTS	NOISE/VIBRATION REDUCTION **LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED** Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it. This feature improves cut quality and extends blade life. In full compliance with National Noise Emission Standards and Regulations.	**LASER-CUT SOUND DAMPENING SLOTS** Slots reduce vibrations and noise by 10% compared to blades without it. This feature improves cut quality and extends blade life. In full compliance with National Noise Emission Standards and Regulations.			
TENSIONING RING	**TENSIONING RING** A visible tensioning ring on blade body provides stability during the cut and perfect concentricity during rotation. For improved performance, tensioning is fine-tuned according to machine/application.			✕	✕
BRAZING	 **TRI-METAL BRAZING** Silver-Copper-Silver Tri-Metal Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials.			**SILVER BRAZING** Silver Alloy Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials.	
CARBIDE TEETH	**INDUSTRIAL CHROME CARBIDE+** Cutting teeth are made from a specially formulated chrome carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality. The "Plus" version has 50% longer tool life than Industrial Chrome Carbide.	SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE **INDUSTRIAL CHROME CARBIDE** Cutting teeth are made from a specially formulated chrome carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.		SINTERHIP HI-DENSITY CARBIDE **INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE** The SINTERHIP sintering process (Hot Isostatic Pressing) uses high temperature (up to 3500°F) and high pressure (up to 1500 psi) to fully consolidate carbide thereby resulting in a porosity-free product ensuring longer cutting life over traditional carbide and less risk of breakages.	
SHARPENING	 **PRECISION MIRROR FINISH SHARPENING** Each tooth is precision ground on a multi-axis CNC machine creating perfect edge angles that provide extra-clean cutting performance and extended life. Featuring less than 0.25 µm Rmax in edge roughness.			**PRECISION SHARPENING** Each tooth is precision ground on a multi-axis CNC machine creating perfect edge angles that provide extra-clean cutting performance and extended life. Featuring less than 0.35 µm Rmax in edge roughness.	SHEAR ANGLE **SHEAR ANGLE SHARPENING** The shear angle grinding, on the front face of the teeth, reduces the required cutting force thereby allowing for smoother cutting.
COATING	ORANGE CHROME **ORANGE CHROME® COATING** - Protects the tool against corrosion, rust and accumulation of resin and residues. - Guarantees longer tool life. - Lower power absorption by motor. - Smoother blade movement throughout cutting operation. - Tool maintenance is fast and easy. - Surface Hardness: 380-400 Vickers.	CORROSION FREE CHROME SHIELD COATING **CHROME SHIELD COATING** - Protects the tool against corrosion, rust and accumulation of resin and residues. - Guarantees longer tool life. - Lower power absorption by motor. - Smoother blade movement throughout cutting operation. - Tool maintenance is fast and easy. - Surface Hardness: 380-400 Vickers.	**HARD LAQUERING** Protects against corrosion and rust.	NON-STICK ORANGE SHIELD COATING **ORANGE SHIELD® NON-STICK PTFE COATING** - Protects against corrosion and rust. - Reduces resin and residue build-up. - Reduces overheating and blade drag. - Improves performance and cutting life.	
BALANCING	CMT XTREME BALANCING® **CMT XTREME BALANCING®*** This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace. *INTERNATIONAL PATENT PENDING		✕	✕	✕
KERF	**FULL KERF** **THIN KERF** BATTERY SAVER	**FULL KERF**			**THIN KERF** BATTERY SAVER

DEMOLITION  12	CONSTRUCTION  13	MULTI-RIP  14~17	RIPPING  18~21	WOOD
RIPPING & CROSSCUT  22~25	FINISHING  26~29	FINE FINISHING  30~35	ULTRA FINE FINISHING  36~39	
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CONTRACTOR  52-53	DADO  54~56	GROOVING SYSTEM  57	GROOVING & BISCUIT JOINER  58~60	
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HSS - METAL & STEEL  70-71	HSS - METAL & STEEL (TiCN)  71	METAL & STEEL  72-73	STAINLESS STEEL  74	METAL & STEEL

NEW PRODUCTION FACILITY IN UDINE, ITALIA

The Udine production facility, a state-of-the-art site dedicated to crafting high-quality circular blades, proudly upholds the tradition of **100% Made in Italy** excellence.

Here, technical expertise and managerial know-how come together to develop and patent cutting-edge solutions celebrated for their precision engineering and outstanding cutting performance.

This unwavering commitment to innovation and quality has established the Udine facility as a benchmark in the industry.



QUALITY ACCORDING TO CMT

Quality can take on different meanings, at times it may relate to the appearance of a product, other times to the number of features or the materials used to make it and so on. Circular saw blades are technical items, tools dedicated to the realization of intermediate workings that if carried out impeccably, enable the manufacturing of the highest-quality finished products with the best production efficiency. Based on this principal, CMT manufactures saw blades using the functional quality concept, this being that every detail of the saw blade, from its design to the choice of materials to its manufacturing cycle, is finalized to give the best performance in the true-life use of the tool. As such, the features of our saw blades are always functional and are found on the product only if and when they bring a true benefit to reaching the established performance target. Should any of the saw blade features fail to do so they will be purposely omitted; the same applies to the tools' manufacturing work cycle which in turn makes it possible for CMT to focus its resources and on what really represents value for the user. The quality embedded in our products is the result of a school of thought which is shared and embraced by the people who make them, and this culture is relentlessly cultivated and improved. Quality at CMT also means respect for people and the Earth.

STEEL PLATE

The body of a blade is an integral part of blade design; cutting quality and longevity depend on it. We use only the highest quality steel available, so durable and tough that it will not only withstand heavy workloads, but also be flexible enough to bend without breaking.

LASER CUT

All our blanks are laser cut; this allows us to use harder harmonic steels for the blade bodies, which in return generates extremely rigid and stable saw blades, guaranteeing perfect flatness. In addition, we are able to engineer quieter tools using a very narrow laser beam to cut expansion and vibration dampening slots.

EXPANSION SLOTS

Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications or centrifugal forces.

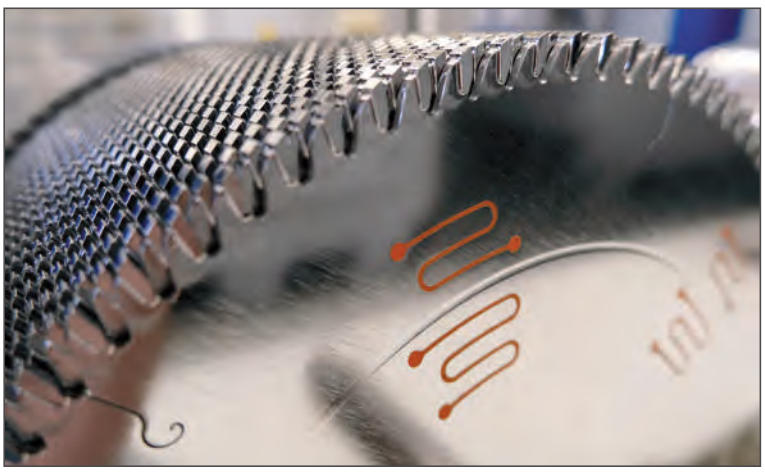


LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING POLYMER

Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it (only the" Orange Chrome" series feature polymer-filled sound dampening slots). This feature improves cut quality and extends blade life.

In full compliance with National Noise Emission Standards and Regulations. (Expansion slots not enhanced by polymer filling, reduce vibration and noise by 10%).





CMT XTREME BALANCING® *

* INTERNATIONAL PATENT PENDING

This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace.
Each blade undergoes rigorous assessment and only in the event that micro imbalance is detected will the appropriate correction holes be applied.
You may find 1 to 5 micro balancing holes on your blade, depending on the degree of micro imbalance (fig.1). When in perfect balance, a single incision will appear on the blade as proof of balance (fig. 2).
These holes will have no effect on the technical properties of the blade during use (such as an increase in noise**, chip build-up at the correction site, etc.).
This translates to precise cutting, longer blade life, reduced vibration and noise, and less wear and tear on your machine components.

**Results are based on tests conducted by an independent laboratory.
These results are available for download on our website.

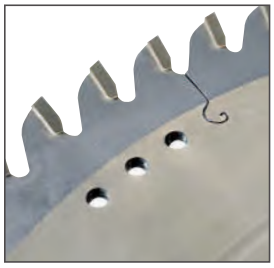
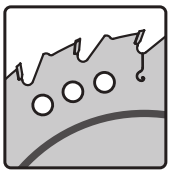


Fig. 1
Example of balancing holes.



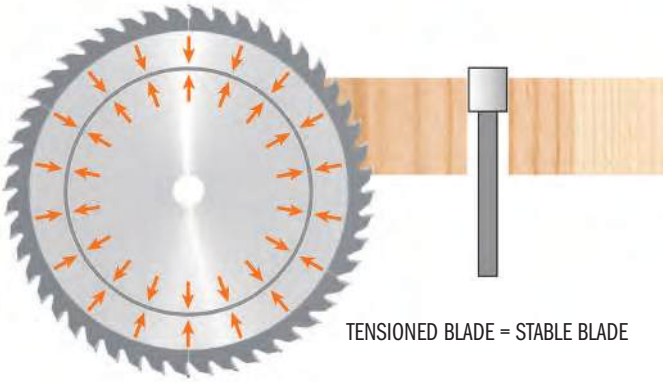
Fig. 2 Example of inspected blade already in perfect balance.

CMT XTREME BALANCING®

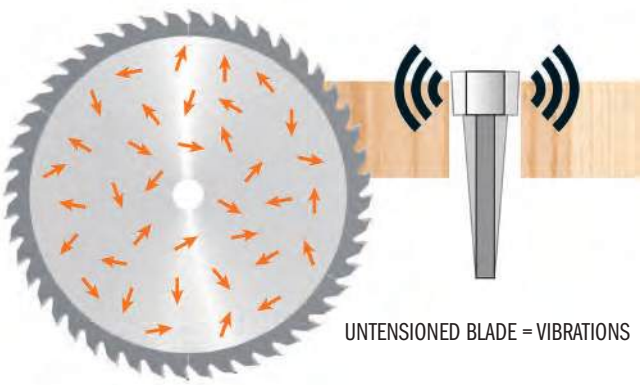


TENSIONING RINGS & FLATTING

To ensure maximum performance, flatting and plate tensioning processes are performed. Every single blade is subject to a flatting process in order to achieve the highest flatness tolerance. The blade body then undergoes tensioning in order to enhance stiffness and stability.
A well-marked and visible ring is applied to the blade body by means of compression and with a predetermined force linked to the intended application and working conditions of each blade.



TENSIONED BLADE = STABLE BLADE



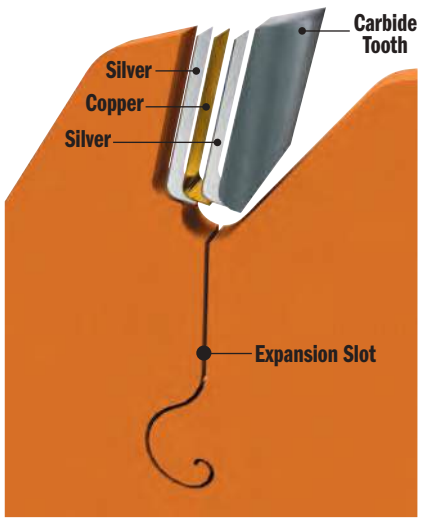
UNTENSIONED BLADE = VIBRATIONS

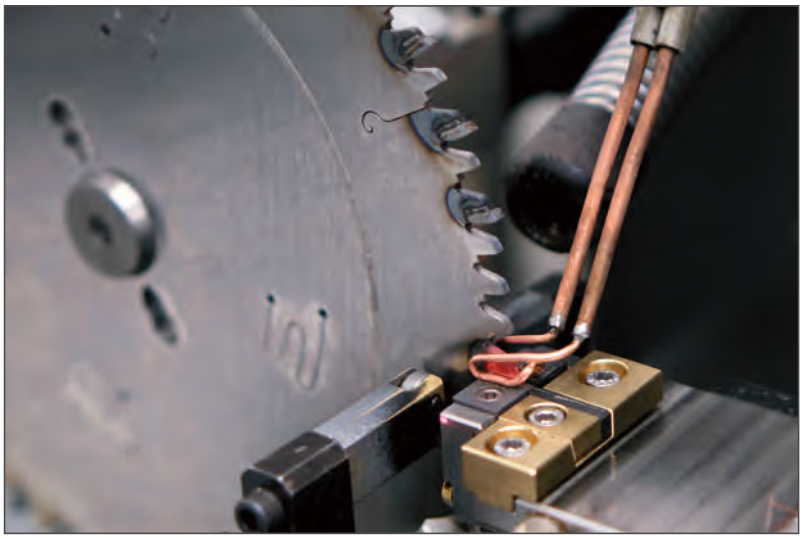
CARBIDE TEETH

Tips require optimum quality carbide. Different applications call for different grades. Our Research and Development Team has evaluated and tested carbide grades and tracked their yield on performance both in house and in the field. We have access to the widest range in the world and only use top premium quality carbides.

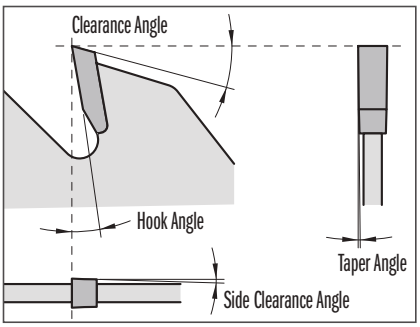
TRI-METAL BRAZING

Brazing is the process of attaching a hard metal plate to the steel body of the blade. This is performed by using a bonding metal, which once melted, acts as a binder between the two parts. The bonding material used for brazing is a trimetallic alloy formed by silver, copper and silver, which not only serves to effectively attach the two parts together but whose fundamental properties create a shock-absorber effect protecting the cutting edges during routing operations.





SHARPENING & CUTTING ANGLES



Sharpening is imperative to the production process of the blade and equally important with respect to the project in mind and material in use. Fully automated and numerically controlled grinding machines tooled with extra-fine-grained diamond wheels allow any type of angle and shape of the tooth. The right choice of these parameters will guarantee cutting edge lifetime and ultimately the best finish on the finished part.



COATING

Quality coatings can be extremely effective in certain applications. CMT uses the following:

ORANGE CHROME® COATING

CHROME SHIELD COATING

This is a coating composed of a thin layer of chromium, which is electrolytically deposited on the blade in order to increase wear resistance when in contact with highly abrasive material.
Surface hardness increases considerably, guaranteeing long-life and incredible resilience to corrosion and rust.

ORANGE SHIELD® COATING

A registered and trademarked non-stick protective coating bearing our characteristic orange color. A technopolymer (PTFE is spray-applied to the blade body then baked to enhance its protective properties. Chemical compounds cannot attach this coating, it remains insoluble in water and solvents, is completely non-stick and diffuses and disperses heat.

LASER MARKING & SCREEN PRINTING

All CMT blades are identifiable by means of a latest generation indelible laser marking or multicolored screen-printing, a sophisticated automated technology that guarantees striking and versatile results.





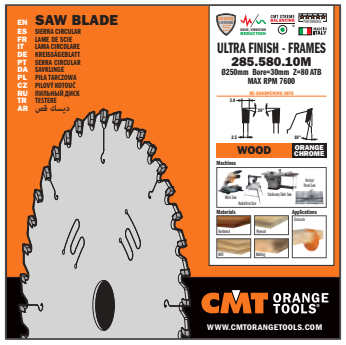
FINAL TESTING AND QUALITY CONTROL

Following design and manufacturing phases, each new model is tested to ensure maximum performance during the work phase.
The entire production process is subject to meticulous quality controls using conventional and sophisticated measuring system.



NEW PACKAGING

- Blade packaging is made from strong and sturdy cardboard, reusable and environmentally friendly.
- Package information updated in 12 languages.
- New colored labels offer useful technical information such as application, materials and machine compatibility.





HOW TO CHOOSE A BLADE IN THE NEW CMT CATALOGUE

1 WHAT'S THE MATERIAL YOU WANT TO CUT?

- WOOD
- WOOD & METAL
- METAL & STEEL
- NON-FERROUS
- MULTI-MATERIALS

See table on page 5

2 WHAT'S THE APPLICATION?

- RIPPING
- RIPPING & CROSSCUT
- FINISHING
- FINE FINISHING
- ULTRA FINE FINISHING
- etc ....

See table on page 5

3 WHAT ARE THE PERFORMANCE EXPECTATIONS?

★★★★★
★★★★☆
★★★☆☆
★★☆☆☆

4 WHAT MACHINE ARE YOU USING?

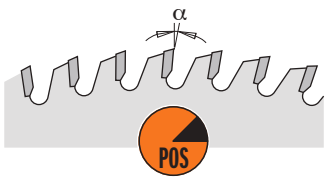
BASED ON YOUR MACHINE, CHOOSE THE APPROPRIATE BLADE:

- DIAMETER (D)
- BORE (B)

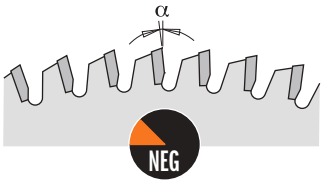
SUGGESTIONS FOR CHOOSING THE RIGHT BLADE:

HOOK ANGLE α

- Wood, Solid Surface (α = 10°~25°)
- Chipboard, MDF, Plywood, Laminate, Plastics (α = 5°~15°)
- Chipboard, MDF, Non-Ferrous, Metals (α = 0°~10°)



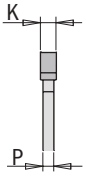
- Metals, Non-Ferrous, Plastics, Laminate (α = -5° ~ -15°)



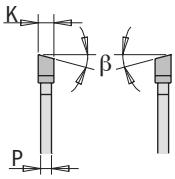
TEETH SHAPE

- Wood, Chipboard, MDF, Plywood

FLAT

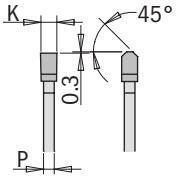


ATB (Hi-ATB, ATB+SHEAR)

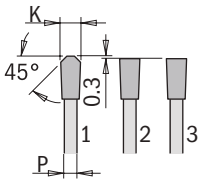


- Laminate, Chipboard, MDF, Plywood, Plastics

TCG

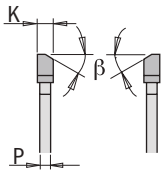


FFT



- Metals

FWF



- Special Application/Materials

HDF
FLAT+ATB
CO+FLAT
MTCG
MATB
HR

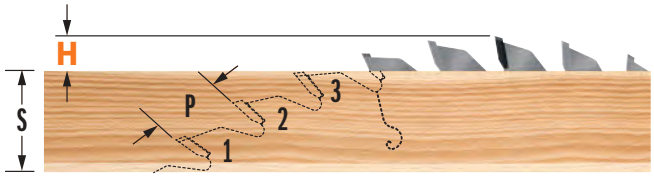
SUGGESTIONS FOR BLADE USE:

In order to achieve the best cut possible, that is without modifying the predetermined angle of entry/exit, it is important that the portion of the blade **(H)** which extends beyond the workpiece during the cut, be close to equal to the height of an entire tooth (approx. 8/10mm).
To improve the finish, it is possible to make small adjustments by increasing or decreasing this height.
The number of teeth simultaneously engaged in cutting the material **(Teeth Cutting or Zp)** must be constant as the thickness **(S)** of the material varies. As with Zp < 3, the cutting quality is not guaranteed.
With the same diameter, and when cutting thicker material, ensure to use a blade with less teeth (or with a greater **Pitch P**) or vice versa **(S=[P x Zp]/1.414)**.

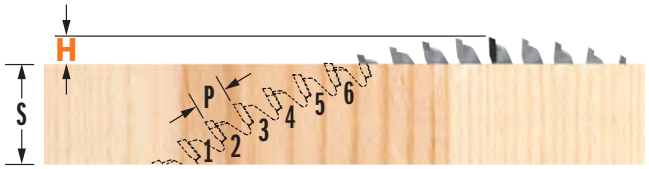
Thin blades are suitable for thinner materials. They also require less power during operation, and are ideal for battery-operated machines.

Thick blades, which are more robust, are suitable for precision cutting in thicker materials but obviously require more power.

We typically recommend using the blade at around **80% of MAX RPM** (as indicated on each blade).
However, this should be considered a starting point, as many variables are involved, in fact the best way to go forward is step-by-step.



Zp=3/4 – RIPPING



Zp=5/6 -CROSSCUT, CHIPBOARD, MDF, PLYWOOD, LAMINATE, PLASTICS

The blade Pitch (P), or the distance between each tooth, is calculated in the following way:

$$P = \frac{D \times 3.14}{Z}$$

D=Blade Diameter (mm)
Z=N° of Teeth

Multi-Materials Carbide Wheel for Angle Grinder



286 ITK PLUS®

CARBIDE GRIT

MULTI-MATERIALS

D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	**286.115.01**
125	22.23 (+20+15.88)	10	**286.125.01**
230	22.23	5	**286.230.01**

MACHINES


ANGLE GRINDER

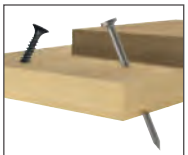

MINI CORDLESS CIRCULAR SAW

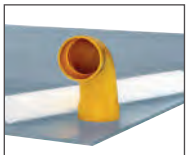
ALWAYS
- USE BOTH HANDS
- USE WHEEL GUARD
- CLAMP WORKPIECE

Blade diameter compatibility is contingent on machine type.

MATERIALS


WOOD


WOOD/WOOD & NAILS


PLASTICS


PLASTERBOARD

Multi-Materials Diamond Dry Wheel for Angle Grinder



286.61 ITK PLUS®

GRIT

MULTI-MATERIALS

D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	**286.115.61**
125	22.23 (+20+15.88)	10	**286.125.61**

MACHINES


ANGLE GRINDER

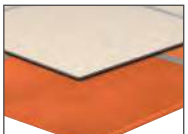

MINI CORDLESS CIRCULAR SAW

ALWAYS
- USE BOTH HANDS
- USE WHEEL GUARD
- CLAMP WORKPIECE

Blade diameter compatibility is contingent on machine type.

MATERIALS

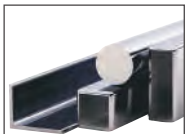

BRICKS & AERATED CONCRETE


HARD & SOFT TILE


HARD STONE

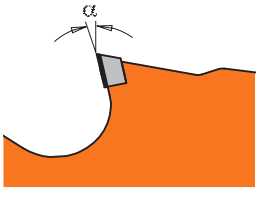

ARTIFICIAL STONE


PLASTICS


METAL & STEEL



236 ITK PLUS®



60X LONGER LIFE THAN CARBIDE

PCD DP

PERFORMANCE

MULTI-MATERIALS

MACHINES


MINI CORDLESS CIRCULAR SAW


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


RADIAL ARM


STATIONARY TABLE

BATTERY SAVER

Blade diameter compatibility is contingent on machine type.

MATERIALS


FIBRECEMENT


PLASTERBOARD


ETERNIT®

IDEAL FOR:
SWISSPEARL®, FERMACELL®, IVARPLANK®, HARDIEPLANK®, HARDIEPANEL®, CORIAN®, DUROPLAST®, FORMICA®

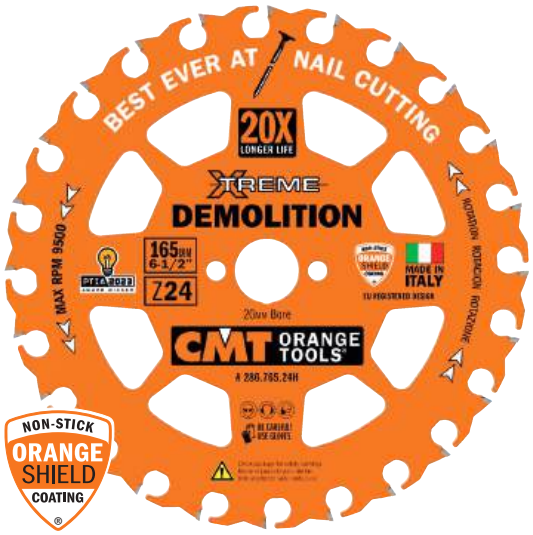
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
85 *	15	-	6	1.8	1.4	12°	TCG	10	**236.085.06G**
125 *	22.23	-	7	2.0	1.4	5°	TCG	10	**236.125.07**
160	20	2/6/32	4	2.4	1.8	12°	TCG	10	**236.160.04H**
160	20	2/6/32	10	2.4	1.8	5°	TCG	10	**236.160.10H**
165	20 (+15.88)	2/6/32	4	1.8	1.4	12°	TCG	10	**236.165.04H**
165	20 (+15.88)	2/6/32	10	1.8	1.4	5°	TCG	10	**236.165.10H**
168	20	2/6/32	10	1.8	1.2	5°	TCG	10	**236.168.10H** ●
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**

*Non-Silent Blades

● Ideal for FESTOOL® & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®



BEST EVER AT NAIL CUTTING

286 XTREME DEMOLITION

HW

PERFORMANCE

WOOD & NAILS

INNOVATIONS

EU REGISTERED DESIGN



EXCLUSIVE SECURED TOOTH GEOMETRY
– BETTER HANDLES IMPACT WITH NAILS
– CUTS MORE NAILS THAN COMPETITORS
Engineered to ensure the longest tool life under the most demanding conditions. Tips are brazed deep inside the blade plate for superior nail impact resistance.



LOW MASS PLATE DESIGN
Patented design that reduces blade mass minimizes heat and substantially increases cutting efficiency with cordless and corded saws. More cuts. Less battery.

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

PTIA 2023
AWARD WINNER

2023 PRO TOOL INNOVATION AWARDS
CIRCULAR SAW BLADE WINNER
"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"
www.protoolinnovationawards.com

MATERIALS


DEMOLITION


WOOD/WOOD & NAILS


PRESSURE TREATED


LAMINATED BEAMS


PLYWOOD


OSB

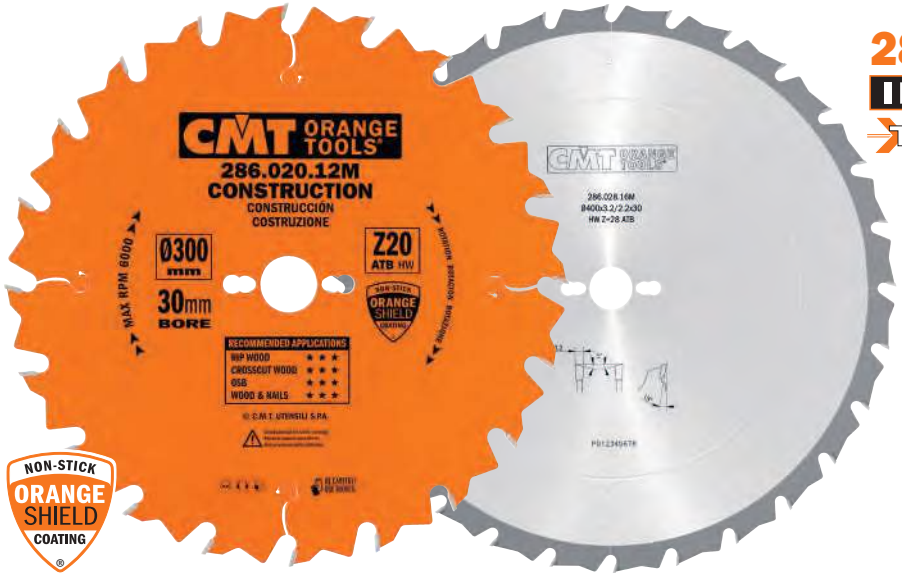


Watch the video on YouTube

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	24	2.3	1.2	5°	ATB 5°	1	**286.760.24H** ●
165	20	2/6/32	24	2.3	1.2	5°	ATB 5°	1	**286.765.24H**
190	30	2/7/42	24	2.3	1.2	5°	ATB 5°	1	**286.790.24M**

● Ideal for FESTOOL® & others

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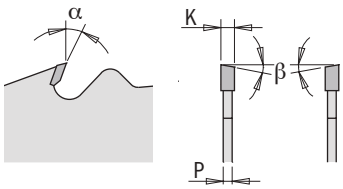


286 INDUSTRIAL XTREME

HW

PERFORMANCE

WOOD



Images are not in scale with each other.

MACHINES


MITRE SAW


RADIAL ARM


PORTABLE TABLE SAW


STATIONARY TABLE


STATIONARY TABLE FIREWOOD SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CONSTRUCTION CUTS

MATERIALS


WOOD


WOOD & NAILS


OSB


FIREWOOD

For specific details regarding suggested materials, please check blade label.

286 INDUSTRIAL

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
250	30	COMBI3	16	2.8	1.8	15°	ATB 5°	Construction	5	286.016.10M
300	30	COMBI3	20	2.8	1.8	15°	ATB 5°	Construction	5	286.020.12M
300*	30	COMBI3	48	3.2	2.2	15°	ATB 10°	General Purpose	5	286.048.12M
315	30	COMBI3	24	3.2	2.2	15°	ATB 5°	Construction	5	286.024.13M
350	30	COMBI3	24	3.2	2.2	15°	ATB 5°	Construction	5	286.024.14M

* Without limiter

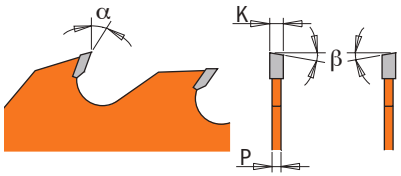
286 XTREME

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
400	30	COMBI3	28	3.2	2.2	15°	ATB 5°	Construction	1	286.028.16M
450	30	2/10/60	32	3.8	2.8	15°	ATB 5°	Construction	1	286.032.18M
500	30	2/10/60	36	3.8	2.8	15°	ATB 5°	Construction	1	286.036.20M
550	30	2/10/60	40	4.2	3.2	15°	ATB 5°	Construction	1	286.040.22M
600	30	2/10/60	40	4.2	3.2	15°	ATB 5°	Construction	1	286.040.24M
700	30	2/10/60	46	4.4	3.2	15°	ATB 5°	Construction	1	286.046.28M

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



280 INDUSTRIAL



HW MEC

PERFORMANCE

WOOD

TECHNICAL DETAILS:
The rakers prevent contact between the steel plate body and the material in use.

Thin Kerf minimises materials wastes.

MACHINES


MULTI-RIP


MOULDERS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


MULTI-RIP



MATERIALS

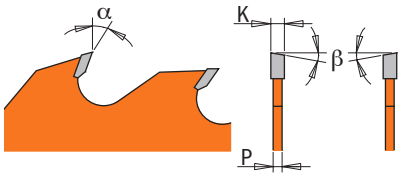

HARDWOOD


SOFTWOOD

D mm	B mm	KEY WAY	PIN HOLE	Z+V	K mm	P mm	T_1 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°	ATB 10°	1	**280.020.10V**
250	80	13 x 5	-	20+4	2.7	1.8	50	18°	ATB 10°	1	**280.020.10W**
300	70	21 x 5	-	24+4	2.7	1.8	60	18°	ATB 10°	1	**280.024.12V**
300	80	13 x 5	-	24+4	2.7	1.8	60	18°	ATB 10°	1	**280.024.12W**



277 INDUSTRIAL



PERFORMANCE

WOOD

TECHNICAL DETAILS:
The rakers prevent contact between the steel plate body and the material in use.

Thanks to the increased thickness, the blade guarantees stability and balanced distribution of lateral forces, reducing vibrations under extreme work load.

MACHINES


MULTI-RIP

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


MULTI-RIP



MATERIALS

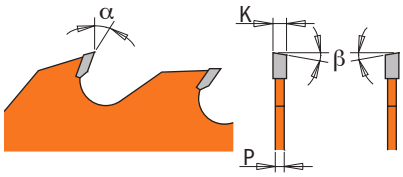

HARDWOOD


SOFTWOOD

D mm	B mm	KEY WAY	PIN HOLE	Z+V	K mm	P mm	T1 mm	α	β		ORDER NO.
300	30	-	COMBI3	24+4	4.0	2.8	80	18°	ATB 10°	1	**277.024.12M**
300	70	21 x 5	-	24+4	4.0	2.8	80	18°	ATB 10°	1	**277.024.12V**
300	80	13 x 5	-	24+4	4.0	2.8	80	18°	ATB 10°	1	**277.024.12W**
350	30	-	COMBI3	24+6	4.2	2.8	105	18°	ATB 10°	1	**277.024.14M**
350	70	21 x 5	-	24+6	4.2	2.8	105	18°	ATB 10°	1	**277.024.14V**



279 INDUSTRIAL



TECHNICAL DETAILS:
The rakers prevent contact between the steel plate body and the material in use.

HW MEC

PERFORMANCE

WOOD

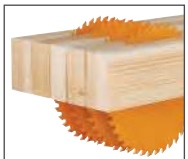
MACHINES

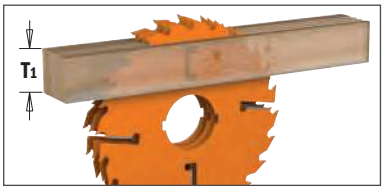

MULTI-RIP


MOULDERS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


MULTI-RIP



MATERIALS

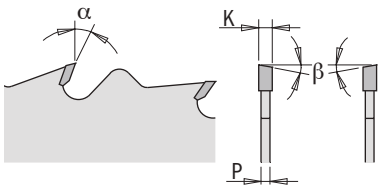

HARDWOOD


SOFTWOOD

D mm	B mm	KEY WAY	PIN HOLE	Z+V	K mm	P mm	T_1 mm	α	β		ORDER NO.
250	30	-	COMBI3	20+4	3.2	2.2	65	18°	ATB 10°	1	**279.020.10M**
250	70	21 x 5	-	20+4	3.2	2.2	65	18°	ATB 10°	1	**279.020.10V**
250	80	13 x 5	-	20+4	3.2	2.2	65	18°	ATB 10°	1	**279.020.10W**
300	30	-	COMBI3	24+4	3.2	2.2	80	18°	ATB 10°	1	**279.024.12M**
300	60	21 x 5	-	24+4	3.2	2.2	80	18°	ATB 10°	1	**279.024.12U**
300	70	21 x 5	-	24+4	3.2	2.2	80	18°	ATB 10°	1	**279.024.12V**
300	80	13 x 5	-	24+4	3.2	2.2	80	18°	ATB 10°	1	**279.024.12W**
350	30	-	COMBI3	28+4	3.5	2.5	105	18°	ATB 10°	1	**279.028.14M**
350	60	21 x 5	-	28+4	3.5	2.5	105	18°	ATB 10°	1	**279.028.14U**
350	70	21 x 5	-	28+4	3.5	2.5	105	18°	ATB 10°	1	**279.028.14V**
350	80	14 x 5	-	28+4	3.5	2.5	105	18°	ATB 10°	1	**279.028.14W**
400	30	-	COMBI3	28+6	4.0	2.8	120	18°	ATB 10°	1	**279.028.16M**
400	70	21 x 5	-	28+6	4.0	2.8	120	18°	ATB 10°	1	**279.028.16V**



278 CHROME SHIELD



CMT XTREME BALANCING®

HW

PERFORMANCE

WOOD

MACHINES


SQUARING


MULTI-RIP

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


MULTI-RIP


RIPS

MATERIALS

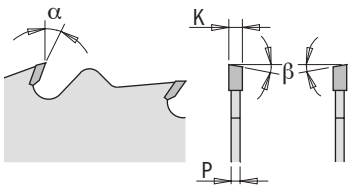

HARDWOOD


SOFTWOOD

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°	ATB 10°	1	**278.028.12M**
300	70	21x5	-	28	3.2	2.2	18°	ATB 10°	1	**278.028.12V**
350	30	-	COMBI3	36	3.5	2.5	18°	ATB 10°	1	**278.036.14M**
350	70	21x5	-	36	3.5	2.5	18°	ATB 10°	1	**278.036.14V**



285 ORANGE CHROME®









WOOD

MACHINES



Blade diameter compatibility is contingent on machine type.

APPLICATIONS



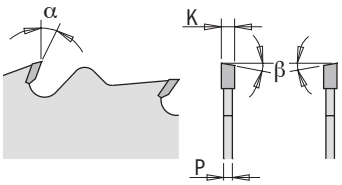
MATERIALS



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	24	3.2	2.2	10°	FLAT	1	**285.624.10M**



285-293 XTREME



HW

PERFORMANCE

WOOD

MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


SQUARING

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD

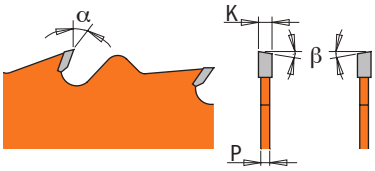

SOFTWOOD

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
300	30	COMBI3	24	3.2	2.2	20°	ATB 10°	1	**293.024.12M**
300	35	-	24	3.2	2.2	20°	ATB 10°	1	**293.024.12R**
305	30	COMBI3	28	3.2	2.2	20°	ATB 10°	1	**293.028.22M**
315	30	COMBI3	28	3.2	2.2	20°	ATB 10°	1	**293.028.12M**
315	30	COMBI3	36	3.2	2.2	15°	ATB 5°	1	**285.036.13M**
350	30	COMBI3	28	3.5	2.5	20°	ATB 10°	1	**293.028.14M**
350	35	-	28	3.5	2.5	20°	ATB 10°	1	**293.028.14R**
400	30	COMBI3	36	3.5	2.5	20°	ATB 10°	1	**285.036.16M**
450	30	COMBI3	36	3.8	2.8	20°	ATB 10°	1	**285.036.18M**
500	30	COMBI3	44	4.0	2.8	20°	ATB 10°	1	**285.044.20M**

CMT ORANGE TOOLS®



290 INDUSTRIAL



HW

PERFORMANCE

WOOD

MACHINES


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


STATIONARY TABLE

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD


SOFTWOOD


OSB

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
150	20	-	12	2.4	1.4	20°	ATB 10°	10	290.150.12H
160	16	-	12	2.2	1.6	20°	ATB 10°	5	290.160.12E ■
160	20 (+16)	2/6/32	12	2.2	1.6	20°	ATB 10°	10	290.160.12H ●
180	30	2/7/42	12	2.6	1.6	20°	ATB 10°	10	290.180.12M
190	30 (+16+20)	2/7/42	12	2.6	1.6	20°	ATB 10°	10	290.190.12M
200	30	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.200.24M
210	30	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.210.24M ●
216	30	2/7/42	24	2.8	1.8	-5°	ATB 15°	10	290.216.24M ●
220	30	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.220.24M
230	30	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.230.24M ●
235	25	-	24	2.8	1.8	20°	ATB 10°	5	290.235.24L ■
235	30 (+25)	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.235.24M
240	30	2/7/42	24	2.8	1.8	20°	ATB 10°	10	290.240.24M
250	30	COMBI3	24	2.8	1.8	20°	ATB 10°	5	290.250.24M
260	30	COMBI3	28	2.8	1.8	20°	ATB 10°	5	290.260.28M ●
270	30	COMBI3	28	2.8	1.8	20°	ATB 10°	5	290.270.28M

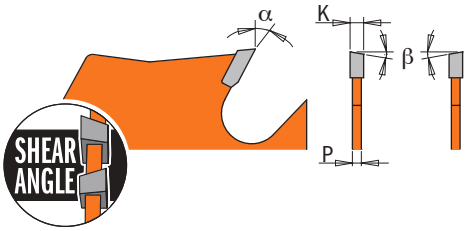
● Ideal for FESTOOL® & others

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271 ITK PLUS®



HW

PERFORMANCE

WOOD

MACHINES


MITRE SAW


STATIONARY TABLE

BATTERY SAVER

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD


SOFTWOOD

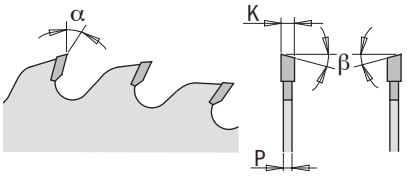

OSB

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	SHEAR ANGLE		ORDER NO.
250	30	COMBI3	24	2.4	1.6	20°	ATB 10°	8°	10	**271.250.24M**
300	30	COMBI3	24	2.6	1.8	22°	ATB 10°	8°	5	**271.300.24M**



285.6 ORANGE CHROME®



HW

PERFORMANCE

WOOD







MACHINES







Blade diameter compatibility is contingent on machine type.

APPLICATIONS





MATERIALS

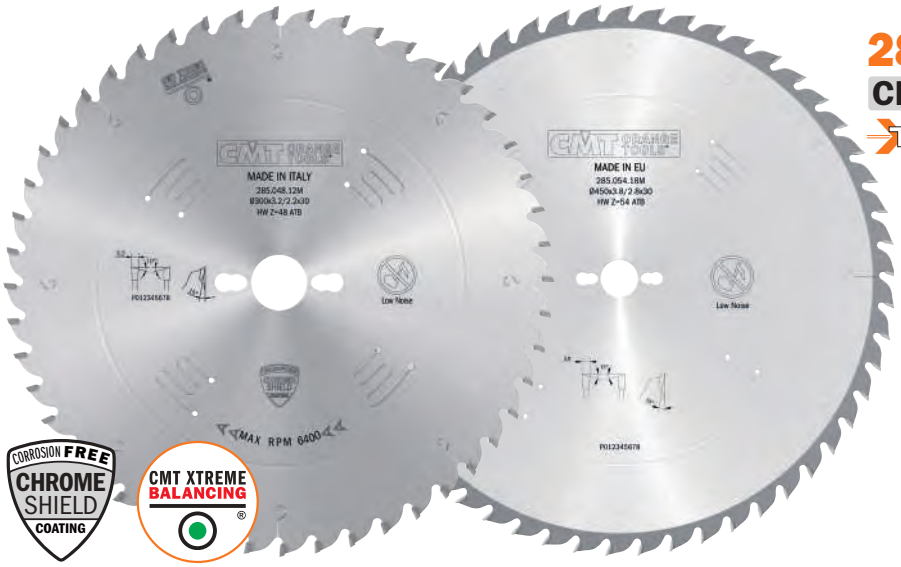








D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	40	3.2	2.2	15°	ATB 10°	1	**285.640.10M**
300	30	COMBI3	48	3.2	2.2	15°	ATB 10°	1	**285.648.12M**
350	30	COMBI3	54	3.5	2.5	15°	ATB 10°	1	**285.654.14M**
400	30	COMBI3	60	3.5	2.5	10°	ATB 15°	1	**285.660.16M**



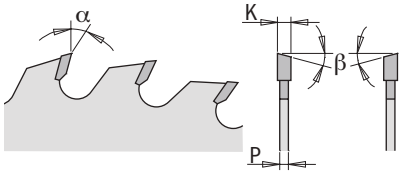
285-294

CHROME SHIELD

XTREME

HW

WOOD



MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE

APPLICATIONS


RIPS


CROSS

Blade diameter compatibility is contingent on machine type.

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		CHROME SHIELD ORDER NO. ★★★★★	XTREME ORDER NO. ★★★★☆
250	30	COMBI3	40	3.2	2.2	15°	ATB 10°	1	**285.040.10M**	
250	35	-	40	3.2	2.2	15°	ATB 10°	1		**285.040.10R**
250	30	COMBI3	48	3.2	2.2	15°	ATB 10°	1	**285.048.10M**	
254	30	COMBI3	48	2.4	1.8	-5°	ATB 15°	1	**294.048.10M**	
275	20	-	42	3.2	2.2	15°	ATB 10°	1		**285.042.11H**
300	30	COMBI3	36	3.2	2.2	15°	ATB 10°	1	**285.036.12M**	
300	20	-	48	3.2	2.2	15°	ATB 10°	1		**285.048.12H**
300	30	COMBI3	48	3.2	2.2	15°	ATB 10°	1	**285.048.12M**	
300	35	-	48	3.2	2.2	15°	ATB 10°	1		**285.048.12R**
305	30	COMBI3	54	2.8	1.8	-5°	ATB 15°	1	**294.054.22M**	
315	30	COMBI3	54	3.2	2.2	15°	ATB 10°	1	**294.054.12M**	
350	30	COMBI3	54	3.5	2.5	15°	ATB 10°	1	**285.054.14M**	
350	35	-	54	3.5	2.5	15°	ATB 10°	1		**285.054.14R**
400	30	COMBI3	48	3.5	2.5	20°	ATB 10°	1	**285.048.16M**	
400	30	COMBI3	60	3.5	2.5	10°	ATB 15°	1	**285.060.16M**	
450	30	COMBI3	54	3.8	2.8	15°	ATB 15°	1		**285.054.18M**
500	30	COMBI3	60	3.8	2.8	15°	ATB 15°	1		**285.060.20M**
550	30	COMBI3	60	4.2	3.2	15°	ATB 10°	1		**285.060.22M**
600	30	2/10/60	66	4.2	3.2	15°	ATB 10°	1		**285.066.24M**
700	30	2/10/60	72	4.4	3.2	10°	ATB 15°	1		**285.072.28M**

CMT ORANGE TOOLS®

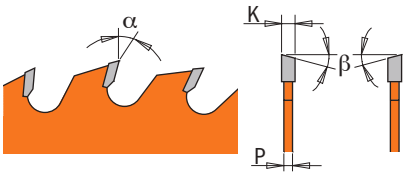


285-291 INDUSTRIAL

HW

PERFORMANCE

WOOD



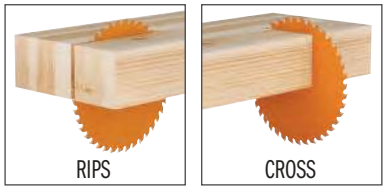
MACHINES



CIRCULAR SAW | MITRE SAW | SLIDE MITRE SAW | STATIONARY TABLE

Blade diameter compatibility is contingent on machine type.

APPLICATIONS



RIPS | CROSS

MATERIALS



WOOD | OSB | PLYWOOD

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
120	20	2/5.5/30	18	1.8	1.2	15°	ATB 15°	General Purpose	10	291.120.18H
125	20	-	20	2.4	1.4	15°	ATB 15°	General Purpose	10	291.125.20H
130	20	-	20	2.4	1.4	15°	ATB 15°	General Purpose	10	291.130.20H
140	20	-	20	2.4	1.4	15°	ATB 15°	General Purpose	10	291.140.20H
150	20 (+16)	-	24	2.4	1.4	15°	ATB 15°	General Purpose	10	291.150.24H
160	20	2/6/32	24	2.2	1.6	15°	ATB 15°	General Purpose	10	291.160.24H ●
160	20	2/6/32	28	2.2	1.6	15°	ATB 10°	General Purpose	10	285.160.28H ●
160	30 (+16)	2/7/42	24	2.2	1.6	15°	ATB 15°	General Purpose	10	291.160.24M
165	20	2/6/32	24	2.2	1.6	15°	ATB 15°	General Purpose	10	291.165.24H
165	30	2/7/42	24	2.6	1.6	15°	ATB 15°	General Purpose	10	291.165.24M
170	30	2/7/42	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.170.24M
180	20	2/6/32	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.180.24H
180	30	2/7/42	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.180.24M
184	16	-	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.184.24E
184	30	-	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.184.24M
190	16	2/6/32	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.190.24E
190	20	2/6/32	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.190.24H
190	30	2/7/42	24	2.6	1.6	20°	ATB 10°	General Purpose	10	291.190.24M
190	20 (FESTOOL® FF)	Key 5/7/2.5	32	2.6	1.8	10°	ATB 10°	General Purpose	10	291.190.32FF ●
200	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.200.36M
200	30	COMBI3	36	3.2	2.2	15°	ATB 10°	General Purpose	10	285.036.08M
210	25	-	36	2.8	1.8	15°	ATB 15°	General Purpose	5	291.210.36L ■
210	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.210.36M ●
216	30	2/7/42	48	2.8	1.8	-5°	ATB 15°	Finish	10	291.216.48M ●
220	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.220.36M
225	30	2/7/42	36	2.8	1.8	20°	ATB 15°	General Purpose	10	291.225.36M ●
230	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.230.36M ●
235	25	-	36	2.8	1.8	15°	ATB 15°	General Purpose	5	291.235.36L ■
235	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.235.36M
240	30	2/7/42	36	2.8	1.8	15°	ATB 15°	General Purpose	10	291.240.36M
260	30	COMBI3	48	2.8	1.8	15°	ATB 10°	General Purpose	5	285.048.11M ●
270	30	COMBI3	42	2.8	1.8	15°	ATB 10°	General Purpose	5	291.270.42M

● Ideal for FESTOOL® & others

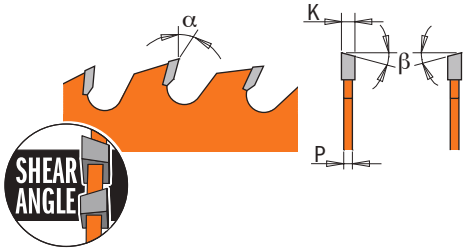
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CMT ORANGE TOOLS®



271 ITK PLUS®



HW

PERFORMANCE

WOOD

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE

BATTERY SAVER

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


WOOD


OSB


PLYWOOD

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	SHEAR ANGLE		ORDER NO.
136	20 (+10)	-	18	1.5	1.0	20°	ATB 10°	8°	10	**271.136.18H**
140	20	2/6/32.5	24	1.8	1.2	15°	ATB 15°	8°	10	**271.140.24H**
150	20 (+16)	-	24	1.5	1.0	18°	ATB 10°	8°	10	**271.150.24H**
160	20 (+16)	2/6/32	24	1.8	1.2	18°	ATB 10°	8°	10	**271.160.24H**
165	20 (+15.88)	2/6/32	24	1.7	1.1	18°	ATB 10°	8°	10	**271.165.24H**
165	30	2/7/42	24	1.7	1.1	18°	ATB 10°	8°	10	**271.165.24M**
168	20	-	28	1.8	1.2	15°	ATB 15°	8°	10	**271.168.28H** ●
184	20 (+16+15.88)	2/7/42	24	1.7	1.1	20°	ATB 10°	8°	10	**271.184.24H**
184	30	2/7/42	24	1.7	1.1	20°	ATB 10°	8°	10	**271.184.24M**
190	30 (+20+16)	2/7/42	24	1.7	1.1	20°	ATB 10°	8°	10	**271.190.24M**
200	30	2/7/42	36	1.8	1.2	15°	ATB 10°	8°	10	**271.200.36M**
210	30 (+25)	2/7/42	24	1.8	1.2	20°	ATB 10°	8°	10	**271.210.24M**
210	30 (+25)	2/7/42	36	1.8	1.2	15°	ATB 10°	8°	10	**271.210.36M**
216	30	2/7/42	36	1.8	1.2	-5°	ATB 10°	8°	10	**271.216.36M** ■
235	25	-	36	1.7	1.2	20°	FTG+ATB 15°	-	10	**271.235.36L** ■
235	30 (+25)	2/7/42	36	2.4	1.6	18°	ATB 10°	8°	10	**271.235.36M**
250	30	COMBI3	42	2.4	1.6	18°	ATB 10°	8°	10	**271.250.42M**
300	30	COMBI3	48	2.6	1.8	18°	ATB 10°	8°	5	**271.300.48M**
305	30	COMBI3	48	2.6	1.8	-5°	ATB 10°	-	5	**271.305.48M**
315	30	COMBI3	54	2.6	1.8	-5°	ATB 10°	-	5	**271.315.54M**

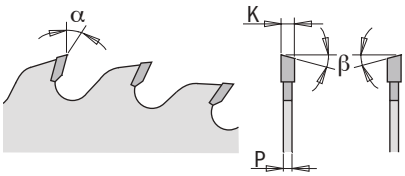
● Ideal for **FESTOOL®** & others

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285 ORANGE CHROME®



HW

PERFORMANCE

WOOD







MACHINES

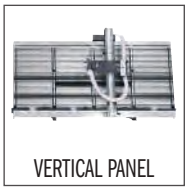

CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS

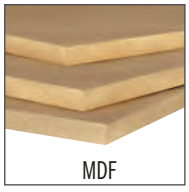

HARDWOOD


PLYWOOD


MELAMINE


LAMINATE

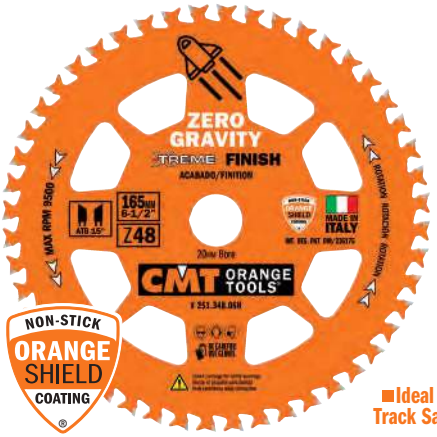

CHIPBOARD


MDF

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
216	30	2/7/42	48	2.3	1.6	-5°	ATB 15°	1	**285.816.48M** ●
new 225	30	2/7/42	48	2.6	1.8	10°	ATB 15°	1	**285.825.48M** ●
250	30	COMBI3	60	3.2	2.2	10°	ATB 15°	1	**285.660.10M**
260	30	COMBI3	60	2.5	1.8	-5°	ATB 10°	1	**285.860.11M** ●
300	30	COMBI3	72	3.2	2.2	10°	ATB 15°	1	**285.672.12M**
350	30	COMBI3	84	3.5	2.5	10°	ATB 15°	1	**285.684.14M**
400	30	COMBI3	96	3.5	2.5	10°	ATB 15°	1	**285.696.16M**

● Ideal for **FESTOOL®** & others



251 XTREME FINISH ZERO GRAVITY

HW

PERFORMANCE

WOOD

■ Ideal for Track Saws

MACHINES

BATTERY SAVER


CIRCULAR SAW


CORDLESS CIRCULAR SAW

MATERIALS

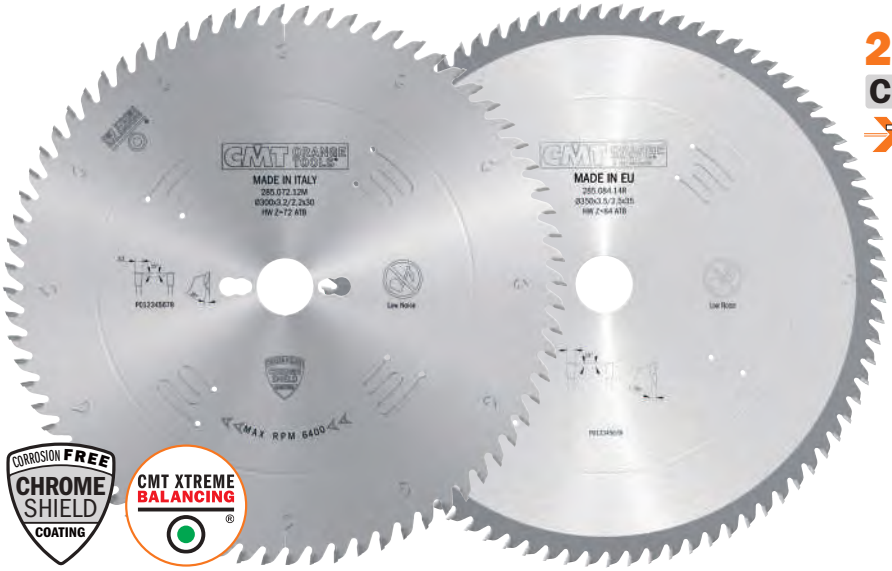

WOOD


PLYWOOD

IDEAL FOR:
OSB, MELAMINE, PRESSURE TREATED, PVC/VYNIL FENCING/SIDING.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
165	20 (+5/8")	-	48	1.8	1.2	10°	ATB 15°	1	**251.348.06H** ■

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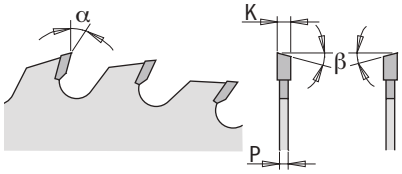
285-294-295

CHROME SHIELD

XTREME

HW

WOOD



MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

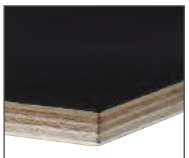

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD


MDF

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		CHROME SHIELD ORDER NO. ★★★★★	XTREME ORDER NO. ★★★★☆
250	30	COMBI3	60	3.2	2.2	10°	ATB 15°	1	**285.060.10M**	
250	35	-	60	3.2	2.2	10°	ATB 15°	1		**285.060.10R**
254	30	COMBI3	60	2.4	1.8	-5°	ATB 15°	1	**294.060.10M**	
280*	30	COMBI3	64	2.8	1.8	10°	ATB 15°	1		**295.064.11M**
300	30	COMBI3	60	3.2	2.2	15°	ATB 10°	1	**285.060.12M**	
300	30	COMBI3	72	3.2	2.2	10°	ATB 15°	1	**285.072.12M**	
300	35	-	72	3.2	2.2	10°	ATB 15°	1		**285.072.12R**
305	30	COMBI3	72	3.2	2.2	10°	ATB 15°	1	**285.072.22M**	
305	30	COMBI3	72	3.2	2.2	-5°	ATB 15°	1	**294.072.22M**	
315	30	COMBI3	72	3.2	2.2	15°	ATB 10°	1	**285.072.13M**	
350	30	COMBI3	72	3.5	2.5	15°	ATB 10°	1	**285.072.14M**	
350	30	COMBI3	84	3.5	2.5	10°	ATB 15°	1	**285.084.14M**	
350	35	-	84	3.5	2.5	10°	ATB 15°	1		**285.084.14R**
400	30	COMBI3	96	3.5	2.5	10°	ATB 15°	1	**285.096.16M**	
450	30	COMBI3	66	3.8	2.8	10°	ATB 15°	1		**285.066.18M**
500	30	2/10/60	72	3.8	2.8	10°	ATB 15°	1		**285.072.20M**
550	30	COMBI3	96	4.2	3.2	10°	ATB 15°	1		**285.096.22M**

*Non-Silent Blades

CMT ORANGE TOOLS®

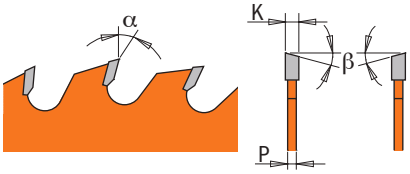


285-292-294 INDUSTRIAL

HW

PERFORMANCE

WOOD



MACHINES


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


STATIONARY TABLE

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

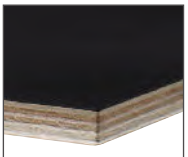
MATERIALS


WOOD


OSB


PLYWOOD


MELAMINE


LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
120	20	2/5.5/30	40	1.8	1.2	10°	ATB 15°	Fine Finish	10	292.120.40H
125	20	-	36	2.4	1.4	15°	ATB 15°	Fine Finish	10	292.125.36H
130	20	-	36	2.4	1.4	15°	ATB 15°	Fine Finish	10	292.130.36H
140	20	-	36	2.4	1.4	15°	ATB 15°	Fine Finish	10	292.140.36H
150	20	-	40	2.4	1.4	15°	ATB 15°	Fine Finish	10	292.150.40H
150	30	2/7/42	48	3.2	2.2	5°	ATB 15°	Fine Finish	10	285.048.06M
160	20	2/6/32	40	2.2	1.6	10°	ATB 15°	Finish	10	292.160.40H ●
160	30	2/7/42	40	2.2	1.6	10°	ATB 15°	Finish	10	292.160.40M ●
160	20	2/6/32	48	2.2	1.6	5°	ATB 15°	Fine Finish	10	285.160.48H ●
165	20	2/6/32	40	2.2	1.6	10°	ATB 15°	Finish	10	292.165.40H
165	30	2/7/42	40	2.6	1.6	10°	ATB 15°	Finish	10	292.165.40M
170	30	2/7/42	40	2.6	1.6	15°	ATB 15°	Finish	10	292.170.40M
180	20	2/6/32	40	2.6	1.6	15°	ATB 15°	Finish	10	292.180.40H
180	30	2/7/42	40	2.6	1.6	15°	ATB 15°	Finish	10	292.180.40M
180	30	2/7/42	56	3.2	2.2	5°	ATB 15°	Fine Finish	10	285.056.07M
184	16	-	40	2.6	1.6	15°	ATB 15°	Finish	10	292.184.40E
184	30	-	40	2.6	1.6	15°	ATB 15°	Finish	10	292.184.40M
190	20 (+16)	2/6/32	40	2.6	1.6	15°	ATB 15°	Finish	10	292.190.40H
190	30	2/7/42	40	2.6	1.6	15°	ATB 15°	Finish	10	292.190.40M
190	20 (FESTOOL® FF)	Key 5/7/2.5	48	2.4	1.8	10°	ATB 15°	Fine Finish	10	292.190.48FF ●
200	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.200.48M
200	30	COMBI3	48	3.2	2.2	15°	ATB 15°	Finish	10	285.048.08M
210	25	-	48	2.8	1.8	15°	ATB 15°	Finish	5	292.210.48L ■
210	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.210.48M ●
216	30	2/7/42	64	2.8	1.8	-5°	ATB 15°	Fine Finish	10	292.216.64M ●
220	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.220.48M
225	30	2/7/42	48	2.8	1.8	10°	ATB 15°	Finish	10	292.225.48M ●
230	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.230.48M ●
235	25	-	48	2.8	1.8	15°	ATB 15°	Finish	5	292.235.48L ■
235	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.235.48M
240	30	2/7/42	48	2.8	1.8	15°	ATB 15°	Finish	10	292.240.48M
260	30	COMBI3	60	2.8	1.8	10°	ATB 15°	Finish	5	285.060.11M ●
260	30	COMBI3	60	2.5	1.8	-5°	ATB 15°	Finish	5	294.060.11M ●

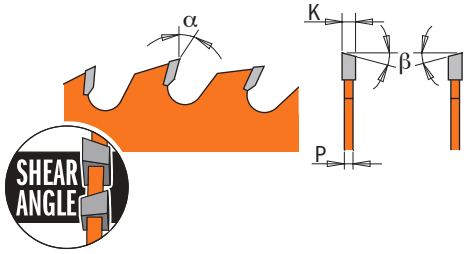
● Ideal for FESTOOL® & others

■ *While supplies last*

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272 ITK PLUS®



HW

PERFORMANCE

WOOD

MACHINES


MINI CORDLESS CIRCULAR SAW


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


PORTABLE TABLE SAW


STATIONARY TABLE

BATTERY SAVER

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

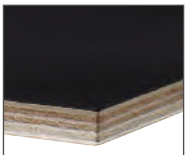
MATERIALS


WOOD


OSB


PLYWOOD


MELAMINE


LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	SHEAR ANGLE	APPLICATIONS		ORDER NO.
115	9.5	-	24	1.5	1.0	20°	ATB 10°	8°	Finish	10	272.115.24
136	20 (+10)	-	36	1.5	1.0	18°	ATB 10°	8°	Fine Finish	10	272.136.36H
140	20	2/6/32.5	42	1.8	1.2	5°	ATB 15°	8°	Fine Finish	10	272.140.42H
150	20 (+16)	-	40	1.5	1.0	16°	ATB 10°	8°	Fine Finish	10	272.150.40H
160	20 (+16)	2/6/32	40	1.8	1.2	16°	ATB 10°	8°	Finish	10	272.160.40H ●
165	20 (+15.88)	2/6/32	36	1.7	1.1	20°	ATB 10°	8°	Finish	10	272.165.36H
168	20	-	42	1.8	1.2	10°	ATB 15°	8°	Finish	10	272.168.42H ●
184	20	2/7/42	40	1.7	1.1	18°	ATB 10°	8°	Finish	10	272.184.40H
184	30	2/7/42	40	1.7	1.1	18°	ATB 10°	8°	Finish	10	272.184.40M
190	30 (+20+16)	2/7/42	42	1.7	1.1	18°	ATB 10°	8°	Finish	10	272.190.42M
200	30	2/7/42	48	1.8	1.2	15°	ATB 10°	8°	Finish	10	272.200.48M
210	30 (+25)	2/7/42	48	1.8	1.2	15°	ATB 10°	8°	Finish	10	272.210.48M ●
216	30	2/7/42	48	1.8	1.2	-5°	ATB 10°	8°	Finish	10	272.216.48M ●
235	30 (+25)	2/7/42	48	2.4	1.6	12°	ATB 10°	8°	Finish	10	272.235.48M
250*	30	COMBI 3	50	2.4	1.6	15°	4 ATB 10°+ 1 FLAT	8°	Finish	10	272.250.50M
250	30	COMBI 3	60	2.4	1.6	15°	ATB 10°	8°	Finish	10	272.250.60M
300	30	COMBI 3	72	2.6	1.8	15°	ATB 10°	8°	Finish	5	272.300.72M
305	30	COMBI 3	72	2.6	1.8	-5°	ATB 10°	8°	Finish	5	272.305.72M

*with Antikick-back

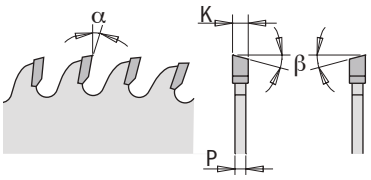
● Ideal for FESTOOL® & others

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CMT ORANGE TOOLS®



285 ORANGE CHROME®













WOOD

MACHINES


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

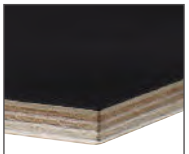

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD


MDF

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	48	2.2	1.6	5°	ATB 12°	1	**285.760.48H** ●
160	20	2/6/32	48	1.8	1.2	5°	ATB 12°	1	**285.761.48H** ● ■
168	20	2/6/32	48	1.8	1.2	5°	ATB 12°	1	**285.768.48H** ● ■
190	20 (FESTOOL® FF)	Key 5/7/2.5	48	2.4	1.8	8°	ATB 15°	1	**285.790.48FF** ●
216	30	2/7/42	60	2.3	1.6	-5°	ATB 15°	1	**285.816.60M** ●
250	30	COMBI3	80	3.2	2.2	5°	ATB 15°	1	**285.680.10M**
300	30	COMBI3	96	3.2	2.2	5°	ATB 15°	1	**285.696.12M**
350	30	COMBI3	108	3.5	2.5	5°	ATB 15°	1	**285.708.14M**

● Ideal for FESTOOL® & others

■ Thin Kerf = Battery Saver

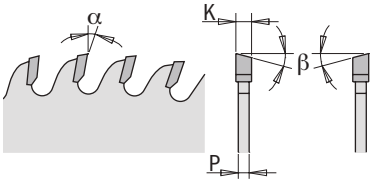
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285
CHROME SHIELD
XTREME

HW

WOOD



MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

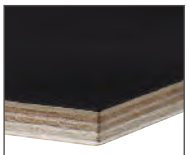

CROSS

MATERIALS


HARDWOOD


PLYWOOD

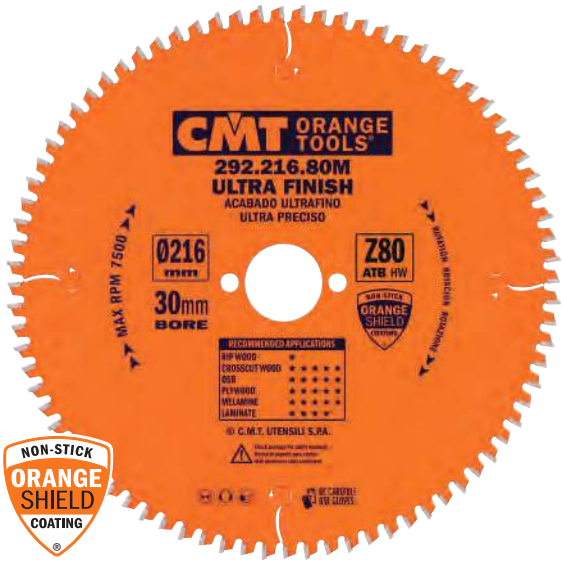

MELAMINE


LAMINATE

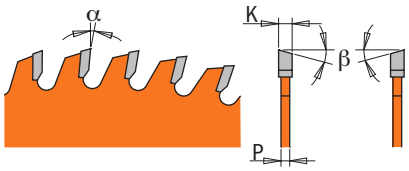

CHIPBOARD


MDF

									CHROME SHIELD ORDER NO. ★★★★★	XTREME ORDER NO. ★★★★☆
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β			
250	30	COMBI3	80	3.2	2.2	5°	ATB 15°	1	**285.080.10M**	
250	35	-	80	3.2	2.2	5°	ATB 15°	1		**285.080.10R**
300	30	COMBI3	96	3.2	2.2	5°	ATB 15°	1	**285.096.12M**	
300	35	COMBI3	96	3.2	2.2	5°	ATB 15°	1		**285.096.12R**
350	30	COMBI3	108	3.5	2.5	5°	ATB 15°	1	**285.108.14M**	
350	35	-	108	3.5	2.5	5°	ATB 15°	1		**285.108.14R**
400	30	COMBI3	120	3.5	2.5	10°	ATB 15°	1	**285.120.16M**	



285-292-294 INDUSTRIAL



HW

PERFORMANCE

WOOD

MACHINES


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


STATIONARY TABLE

Blade diameter compatibility is contingent on machine type.

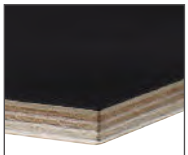
APPLICATIONS


CROSS

MATERIALS


PLYWOOD


MELAMINE


LAMINATE

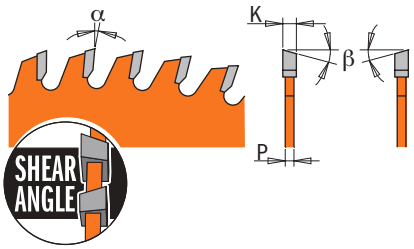
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	56	2.2	1.6	15°	ATB 15°	10	**292.160.56H** ●
165	20	2/6/32	56	2.2	1.6	15°	ATB 15°	10	**292.165.56H**
190	30	2/7/42	64	2.6	1.6	15°	ATB 15°	10	**292.190.64M**
200	30	COMBI3	64	3.2	2.2	5°	ATB 15°	10	**285.064.08M**
210	30	2/7/42	64	2.8	1.8	15°	ATB 15°	10	**292.210.64M** ●
216	30	2/7/42	80	2.8	1.8	-5°	ATB 15°	10	**292.216.80M** ●
230	30	2/7/42 + 2/10/60	64	2.8	1.8	15°	ATB 15°	10	**292.230.64M** ●
260	30	COMBI3	80	2.5	1.8	-5°	ATB 15°	5	**294.080.11M** ●

● Ideal for **FESTOOL®** & others

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273 ITK PLUS®



HW

PERFORMANCE

WOOD

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE

BATTERY SAVER

Blade diameter compatibility is contingent on machine type.

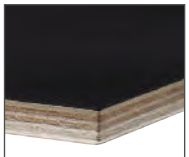
APPLICATIONS


CROSS

MATERIALS


PLYWOOD


MELAMINE


LAMINATE

For specific details regarding suggested materials, please check blade label.

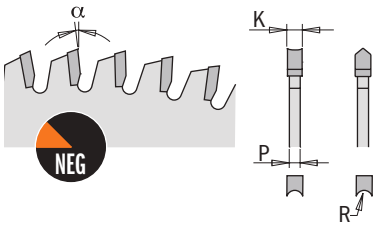
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	SHEAR ANGLE	APPLICATIONS		ORDER NO.
50	10	-	20	1.1	0.8	15°	ATB 10°	8°	Ultra Finish	10	273.050.20D ●
80	10	-	36	1.6	1.0	15°	ATB 10°	8°	Ultra Finish	10	273.080.36D ●
160	20 (+16)	2/6/32	56	1.8	1.2	12°	ATB 10°	8°	Ultra Finish	10	273.160.56H ●
165	20 (+15.88)	2/6/32	56	1.6	1.0	12°	ATB 15°	8°	Ultra Finish	10	273.165.56H
190	20 (+15.88)	2/7/42	64	1.7	1.1	15°	ATB 10°	8°	Ultra Finish	10	273.190.64M
216	30	2/7/42	64	1.8	1.2	-5°	ATB 10°	8°	Fine Finish	10	273.216.64M ●
250	30	COMBI3	80	2.4	1.6	12°	ATB 10°	8°	Fine Finish	10	273.250.80M
300	30	COMBI3	96	2.6	1.8	12°	ATB 10°	8°	Fine Finish	5	273.300.96M

● Ideal for **PROXXON®** (Materials: Wood, Plastics, Non-Ferrous)
● Ideal for **FESTOOL®** & others

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287 XTREME



HW

PERFORMANCE

WOOD

MACHINES


MITRE SAW


STATIONARY TABLE


SQUARING


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS



MATERIALS

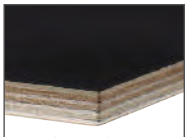

HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD

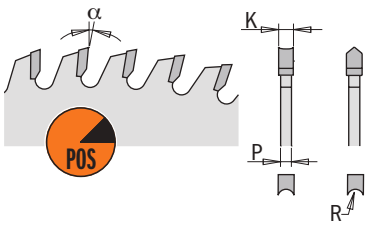

DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
220	30	2/7/42	42	3.2	2.2	-6°	HDF	1	**287.043.09M**
250	30	COMBI3	48	3.2	2.2	-6°	HDF	1	**287.049.10M**
303	30	COMBI3	60	3.2	2.2	-6°	HDF	1	**287.061.12M**



287 XTREME



HW

PERFORMANCE

WOOD

MACHINES


CIRCULAR SAW


MITRE SAW


STATIONARY TABLE


SQUARING


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS



MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD

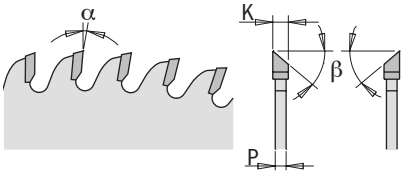

DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	34	2.6	1.8	10°	HDF	1	**287.034.06H**
220	30	2/7/42	42	3.2	2.2	10°	HDF	1	**287.042.09M**
new 220	30	2/7/42	48	3.3	2.2	5°	HDF	1	**287.048.09M**
250	30	COMBI3	48	3.2	2.2	10°	HDF	1	**287.048.10M**
new 250	30	COMBI3	60	3.3	2.2	5°	HDF	1	**287.060.10M**
new 300	30	COMBI3	72	3.3	2.2	5°	HDF	1	**287.072.12M**
303	30	COMBI3	60	3.2	2.2	10°	HDF	1	**287.060.12M**



283.6 ORANGE CHROME®













WOOD

MACHINES











Blade diameter compatibility is contingent on machine type.

APPLICATIONS





MATERIALS





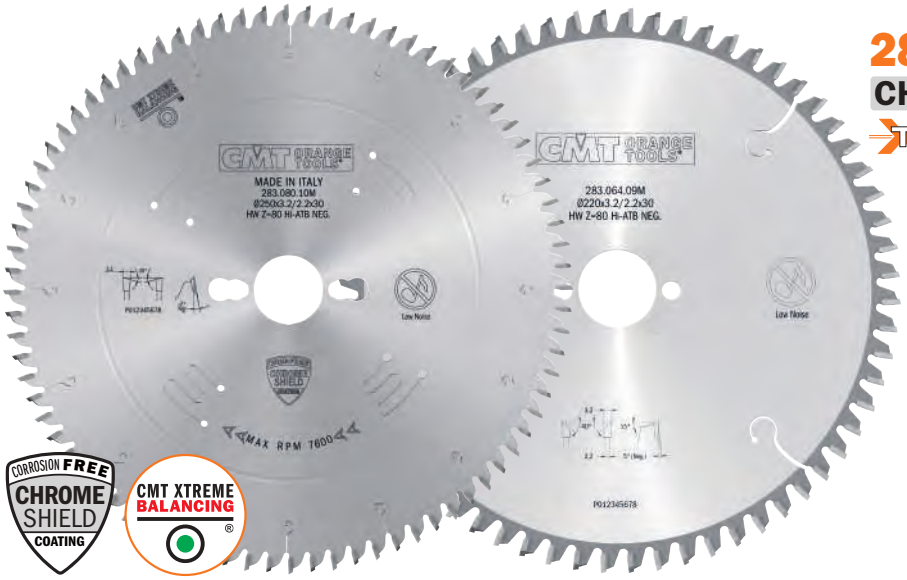








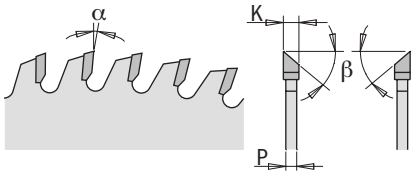
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3.2	2.2	-2°	Hi-ATB 38°	1	**283.680.10M**
300	30	COMBI3	96	3.2	2.2	2°	Hi-ATB 38°	1	**283.696.12M**



283
CHROME SHIELD XTREME

HW

WOOD



MACHINES


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE


SQUARING


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS



MATERIALS

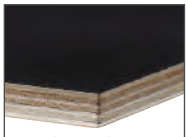

HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

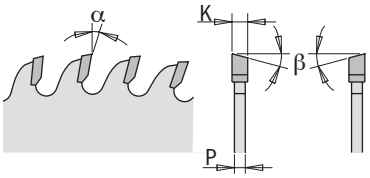
CHROME SHIELD XTREME

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO. ★★★★★	ORDER NO. ★★★★☆
220*	30	2/7/42	64	3.2	2.2	-5°	Hi-ATB 40°	1		**283.064.09M**
250	30	COMBI3	80	3.2	2.2	-2°	Hi-ATB 38°	1	**283.080.10M**	
300	30	COMB4	96	4.2	3.2	2°	Hi-ATB 38°	1	**283.096.12M**	
350	30	COMBI3	108	3.5	2.5	5°	Hi-ATB 38°	1	**283.108.14M**	

*Non-Silent Blades



285.5 ORANGE CHROME®











WOOD

MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

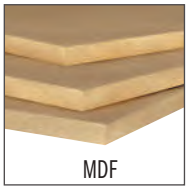
APPLICATIONS


CROSS

MATERIALS


HARDWOOD


PLYWOOD

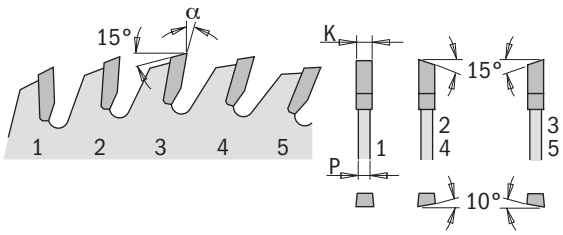

MDF


MOLDING

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3.0	2.5	10°	ATB 20°	1	**285.580.10M**
300	30	COMBI3	96	3.0	2.5	10°	ATB 20°	1	**285.596.12M**



274 XTREME



HW

PERFORMANCE

WOOD

MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS

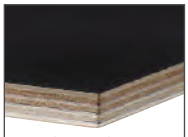

HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


DOUBLE SIDED MELAMINE

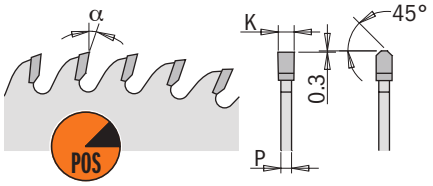

DOUBLE SIDED LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3.2	2.2	15°	1 FLAT + 4 ATB	1	**274.080.10M**
300	30	COMBI3	100	3.2	2.2	15°	1 FLAT + 4 ATB	1	**274.100.12M**

CMT ORANGE TOOLS®



281 ORANGE CHROME®



HW

PERFORMANCE

WOOD







MACHINES


CIRCULAR SAW


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS

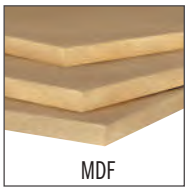

HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD


MDF

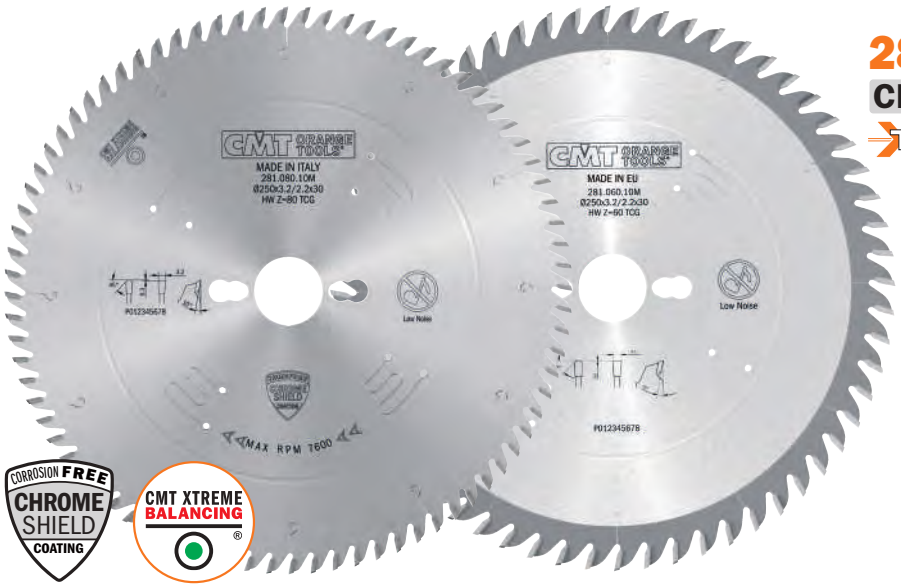

SOLID SURFACE

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
160	20	2/6/32	48	2.2	1.6	4°	TCG	-	1	**281.760.48H** ●
190	20 (FESTOOL® FF)	Key 5/7/2.5	54	2.6	1.8	4°	TCG	-	1	**281.790.54FF** ●
250	30	COMBI3	80	3.2	2.2	5°	TCG	Ultra Finish	1	**281.680.10M**
300	30	COMBI3	72	3.2	2.2	10°	TCG	Fine Finish	1	**281.672.12M**
300	30	COMBI3	96	3.2	2.2	5°	TCG	Ultra Finish	1	**281.696.12M**
350	30	COMBI3	84	3.5	2.5	10°	TCG	Fine Finish	1	**281.684.14M**
350	30	COMBI3	108	3.5	2.5	5°	TCG	Ultra Finish	1	**281.708.14M**

● Ideal for FESTOOL® & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



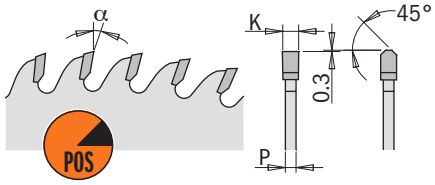
281

CHROME SHIELD

XTREME

HW

WOOD



MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

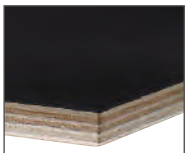

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD


MDF

CHROME SHIELD XTREME

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO. ★★★★★	ORDER NO. ★★★★☆
250	30	COMBI3	60	3.2	2.2	10°	TCG	Fine Finish	1		**281.060.10M**
250	30	COMBI3	80	3.2	2.2	10°	TCG	Ultra Finish	1	**281.080.10M**	
300	30	COMBI3	72	3.2	2.2	10°	TCG	Fine Finish	1	**281.072.12M**	
300	30	COMBI3	96	3.2	2.2	10°	TCG	Ultra Finish	1	**281.096.12M**	
350	30	COMBI3	84	3.5	2.5	10°	TCG	Fine Finish	1		**281.084.14M**
350	30	COMBI3	108	3.5	2.5	5°	TCG	Ultra Finish	1	**281.108.14M**	

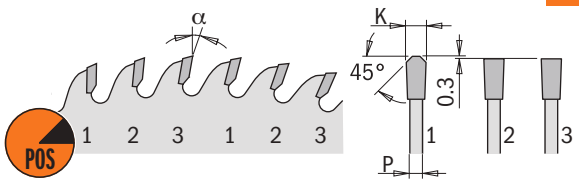


295 XTREME

HW

PERFORMANCE

WOOD



MACHINES


MITRE SAW


RADIAL ARM


STATIONARY TABLE


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

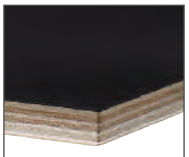

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD


MDF

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**

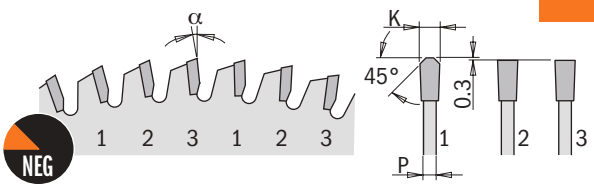


281 XTREME

HW

PERFORMANCE

WOOD



MACHINES


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM


STATIONARY TABLE


SQUARING


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS



MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD

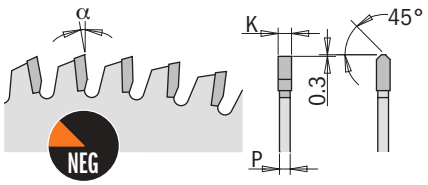

MDF

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
220	30	COMBI3	63	3.2	2.2	-3°	FFT	1	**281.063.09M**
250	30	COMBI3	60	3.2	2.2	-3°	FFT	1	**281.061.10M**
300	30	COMBI3	72	3.2	2.2	-3°	FFT	1	**281.073.12M**

CMT ORANGE TOOLS®



281 ORANGE CHROME®



HW

PERFORMANCE

WOOD







MACHINES













Blade diameter compatibility is contingent on machine type.

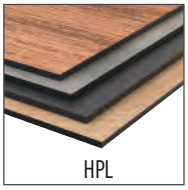
APPLICATIONS





MATERIALS









D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	52	1.8	1.2	-5°	TCG	1	**281.761.52H** ● ■
165	20	2/6/32	52	1.8	1.2	-5°	TCG	1	**281.766.52H** ■
168	20	2/6/32	52	1.8	1.2	-5°	TCG	1	**281.768.52H** ● ■
190	30	2/7/42	54	2.6	1.6	4°	TCG	1	**281.790.54M**
210	30	2/7/42	60	2.6	1.6	-3°	TCG	1	**281.810.60M** ●
216	30	2/7/42	64	2.6	1.6	-3°	TCG	1	**281.816.64M** ●
250	30	COMBI3	80	3.2	2.2	-3°	TCG	1	**281.681.10M**
300	30	COMBI3	96	3.2	2.2	-3°	TCG	1	**281.697.12M**

● Ideal for **FESTOOL®** & others

■ **Thin Kerf = Battery Saver**

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CMT ORANGE TOOLS®



281 INDUSTRIAL

HW

PERFORMANCE

WOOD

MACHINES


CIRCULAR SAW


SLIDE MITRE SAW


STATIONARY TABLE

APPLICATIONS


CROSS

Blade diameter compatibility is contingent on machine type.

MATERIALS


WOOD

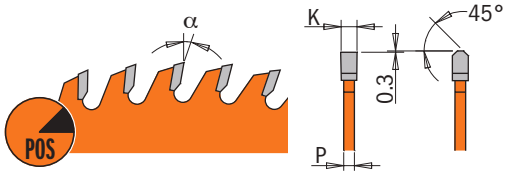

OSB


PLYWOOD


MELAMINE


LAMINATE

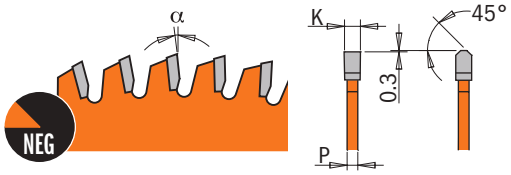
For specific details regarding suggested materials, please check blade label.



POSITIVE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
160	20 (VIRUTEX®)	4/7/32 45°	40	2.2	1.6	10°	TCG	Finish	10	**281.160.40H** ●
160	20	2/6/32	48	2.2	1.6	5°	TCG	Fine Finish	10	**281.160.48H** ●
200	30	2/6/42	64	3.2	2.2	10°	TCG	Fine Finish	10	**281.064.08M**
220	30	2/6/42	64	3.2	2.2	10°	TCG	Fine Finish	10	**281.064.09M**
225	30	2/6/42	64	2.6	1.8	4°	TCG	Fine Finish	10	**281.225.64M** ●

● Ideal for **FESTOOL®** & others



NEGATIVE

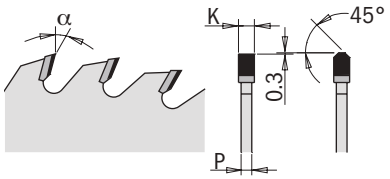
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	APPLICATIONS		ORDER NO.
160	20	2/6/32	56	2.2	1.6	-3°	TCG	Ultra Finish	10	**281.161.56H** ●
165	20	2/6/32	56	2.2	1.6	-3°	TCG	Ultra Finish	10	**281.166.56H**
260	30	COMBI3	64	2.5	1.8	-3°	TCG	Finish	5	**281.065.11M** ●

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



237 XTREME



50X LONGER LIFE THAN CARBIDE

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

PCD DP

PERFORMANCE

WOOD

MACHINES


MITRE SAW


SQUARING


TABLE SAW


VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

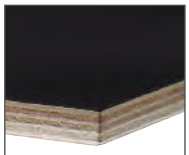

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE

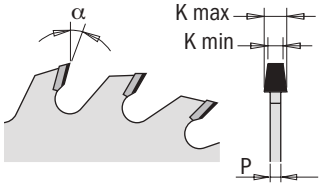

CHIPBOARD


MDF

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	48	3.2	2.2	10°	TCG	1	**237.048.10M**
300	30	COMBI3	60	3.2	2.2	10°	TCG	1	**237.060.12M**
300	30	COMBI3	96	3.2	2.2	15°	TCG	1	**237.096.12M**
350	30	COMBI3	72	3.5	2.4	15°	TCG	1	**237.072.14M**



238 XTREME



50X LONGER LIFE THAN CARBIDE

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

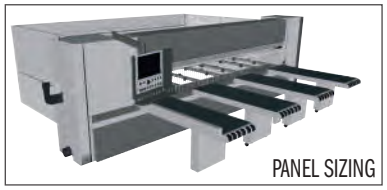
PCD DP

PERFORMANCE

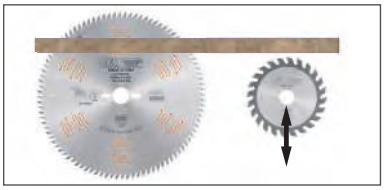
WOOD

MACHINES


SQUARING

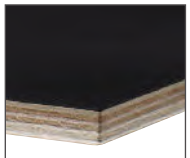

PANEL SIZING

APPLICATIONS



MATERIALS

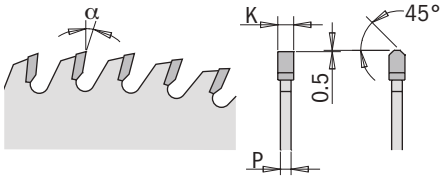

MELAMINE


LAMINATE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	COATING		ORDER NO.
120	20	-	20	3.1-3.7	2.2	5°	CO + FLAT	NICKEL	1	**238.120.20H**
125	20	-	20	3.1-3.7	2.2	5°	CO + FLAT	NICKEL	1	**238.125.20H**
new 160	55	3/7/66	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.160.36O**
new 180	30	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.180.36M**
new 180	45	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.180.36Q2**
new 180	45	-	36	4.7-5.6	3.5	8°	CO + FLAT	-	1	**238.180.36Q**
new 200	20	2/11/66	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.200.36H**
new 200	45	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.200.36Q2**
new 200	45	-	36	4.7-5.6	3.5	8°	CO + FLAT	-	1	**238.200.36Q**
new 200	65	2/9/100 + 2/9/110	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.200.36J**
new 200	80	2/14/110	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.200.36W**
new 300	65	2/9/100 + 2/9/110 + 2/14/110	48	4.3-5.2	3.2	8°	CO + FLAT	-	1	**238.300.48J**



281-282 XTREME

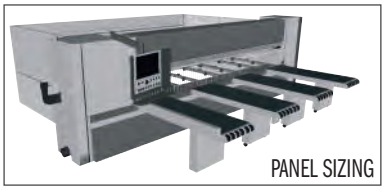


HW

PERFORMANCE

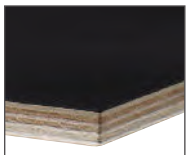
WOOD

MACHINES


PANEL SIZING

MATERIALS


MELAMINE


DOUBLE SIDED LAMINATE


CHIPBOARD

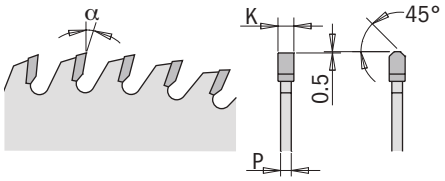

MDF

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	LOW NOISE		ORDER NO.
300	75	-	60	4.4	3.2	16°	TCG		1	**282.060.12X**
320	65	2/9/100 + 2/9/110	60	4.4	3.2	16°	TCG		1	**Y282.060.13J** ■
350	30	COMBI3	54	4.4	3.2	16°	TCG		1	**282.054.14M**
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	75	4/15/105 + 3/7/100	54	4.4	3.2	16°	TCG		1	**282.054.14X**
350	80	COMBI5	54	4.4	3.2	16°	TCG		1	**282.054.14W**
355	30	COMBI3	72	4.4	3.2	16°	TCG		1	**S282.03556**
355	80	4/9/100 + 2/9/110 + 2/14/110	72	4.4	3.2	10°	TCG		1	**282.072.14W2**
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	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	80	COMBI5	72	4.4	3.2	16°	TCG		1	**282.072.16W** ■
420	80	4/9/100 + 2/9/110 + 2/14/110	72	4.4	3.2	15°	TCG		1	**282.072.17W**
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**
450	30	COMBI3 + 2/14/95	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**

■ *While supplies last*



282 XTREME



HW

PERFORMANCE

WOOD

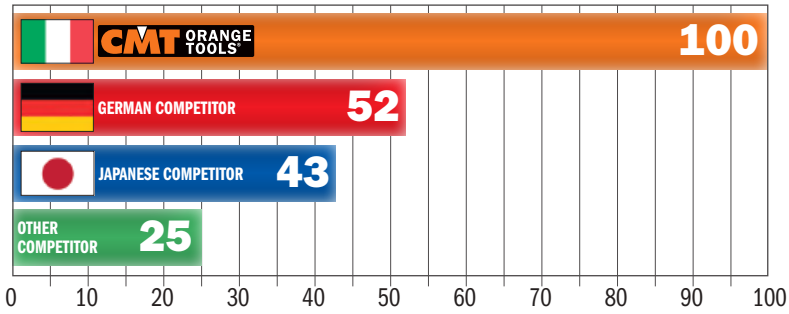
CERATIZIT GROUP

XHARD NANO GRAIN

NANO GRAIN CARBIDE

Cutting teeth are made from an exclusive high-pressure sintering and the use of nano grain carbide powders make the material free of porosity, extremely hard and compact, with excellent tenacity that ensures greater resistance to wear as compared to others and exceptional durability.

% METERS CUT ON CHIPBOARD PANELS

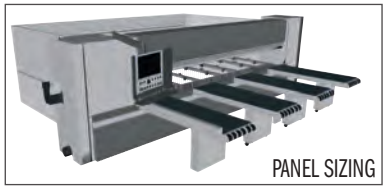


UP TO 4X THAN COMPETITORS

DPX

How to re-sharpen a CMT DPX blade

MACHINES



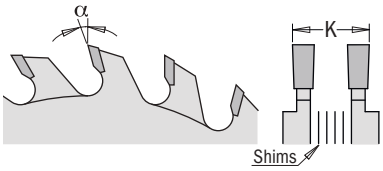
MATERIALS



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
300	30	COMBI3	60	4.4	3.2	15°	TCG	1	**282.300.60M**
300	80	COMBI5	60	4.4	3.2	15°	TCG	1	**282.300.60W**
320	65	2/9/100 + 2/14/110	60	4.4	3.2	15°	TCG	1	**282.320.60J**
320	65	2/9/95 + 2/9/100 + 2/14/110	72	4.4	3.2	15°	TCG	1	**282.320.72J**
350	30	COMBI3	72	4.4	3.2	15°	TCG	1	**282.350.72M**
350	60	2/9/100 + 2/14/110	72	4.4	3.2	15°	TCG	1	**282.350.72U**
350	75	3/7/100 + 4/15/105	72	4.4	3.2	15°	TCG	1	**282.350.72X**
350	80	COMBI5	72	4.4	3.2	15°	TCG	1	**282.350.72W**
355	65	2/9/100 + 2/14/110	72	4.4	3.2	15°	TCG	1	**282.355.72J**
380	60	2/14/100	72	4.4	3.2	15°	TCG	1	**282.380.72U2**
380	60	COMBI7	72	4.8	3.5	15°	TCG	1	**282.380.72U**
380	80	COMBI5	72	4.4	3.2	15°	TCG	1	**282.380.72W**
400	30	COMBI3	72	4.4	3.2	15°	TCG	1	**282.400.72M**
400	75	2/14/100 + 4/15/105 + 2/7/110	72	4.4	3.2	15°	TCG	1	**282.400.72X**
400	80	COMBI5	72	4.4	3.2	15°	TCG	1	**282.400.72W**
new 430	65	2/9/100 + 2/14/110	72	4.4	3.2	15°	TCG	1	**282.430.72J**
450	30	2/10/60 + 2/14/95	72	4.4	3.2	15°	TCG	1	**282.450.72M**
450	60	COMBI7	72	4.8	3.5	15°	TCG	1	**282.450.72U**
new 520	70	4/11/130	60	4.8	3.5	15°	TCG	1	**282.520.60V**



289 XTREME



TIPS: suggested for machines without vertical regulation of scoring blade.

HW

PERFORMANCE

WOOD

MACHINES



SQUARING

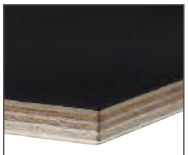
APPLICATIONS



MATERIALS



MELAMINE



LAMINATE

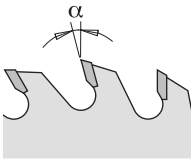
D mm	B mm	PIN HOLE	Z	K mm	α	β		ORDER NO.	Spare parts PVC SHIMS
70	20	2/3.1 - 3.8/42	8+8	2.8-3.6	12°	FLAT	10	**289.070.16H**	299.000.05H
80	20	2/3.1 - 3.8/42	10+10	2.8-3.6	12°	FLAT	10	**289.080.20H**	299.000.05H
100	20	2/3.1 - 3.8/42	10+10	2.8-3.6	12°	FLAT	10	**289.100.20H**	299.000.02K
100	22	2/3.1 - 3.8/42	10+10	2.8-3.6	12°	FLAT	10	**289.100.20K**	299.000.02K
120	20	2/3.1 - 3.8/42	12+12	2.8-3.6	12°	FLAT	10	**289.120.24H**	299.000.02K
120	22	2/3.1 - 3.8/42	12+12	2.8-3.6	12°	FLAT	10	**289.120.24K**	299.000.02K
120	50	4/6.2 - 10/62	12+12	2.8-3.6	12°	FLAT	10	**289.120.24T** ●	
125	20	2/3.1 - 3.8/42	12+12	2.8-3.6	12°	FLAT	10	**289.125.24H**	299.000.02K
125	22	2/3.1 - 3.8/42	12+12	2.8-3.6	12°	FLAT	10	**289.125.24K**	299.000.02K

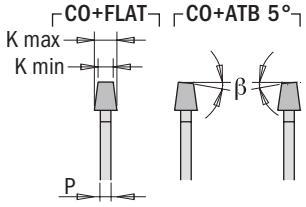
● Ideal for **ALTENDORF® Rapido System**

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288 XTREME

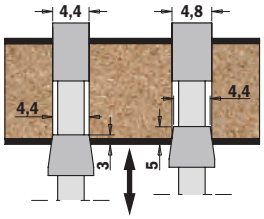




HW

PERFORMANCE

WOOD



TIPS: suggested for machines with vertical regulation of scoring blade.

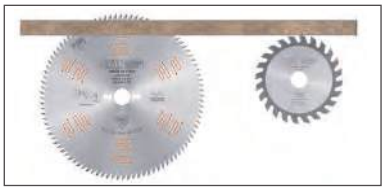
Suggested for use with thick kerf or panel sizing blade.

MACHINES


SQUARING

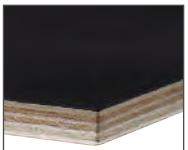

PANEL SIZING

APPLICATIONS



MATERIALS


MELAMINE


LAMINATE

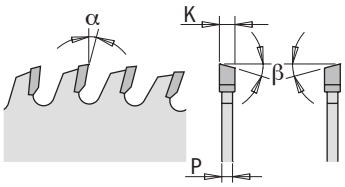
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
80	20	-	12	3.1-3.6	2.2	10°	CO + FLAT	10	**S288.080.12H**
100	20	-	20	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.100.20H**
100	22	-	20	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.100.20K**
120	20	-	24	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.120.24H**
new 120	20	-	24	2.8-4.0	2.5	5°	CO + ATB 5°	10	**288.121.24H**
120	20	-	24	3.4-4.2	2.5	5°	CO + ATB 5°	10	**288.120.24H1**
120	22	-	24	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.120.24K**
125	20	-	24	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.125.24H**
125	20	-	24	3.4-4.2	2.5	5°	CO + ATB 5°	10	**288.125.24H1**
125	20	-	24	4.3-5.5	3.2	10°	CO + FLAT	10	**288.125.24H2**
125	22	-	24	3.1-4.0	2.5	5°	CO + ATB 5°	10	**288.125.24K**
125	45	-	24	4.3-5.5	3.2	10°	CO + FLAT	10	**288.125.24Q**
150	45	3/11/70	36	4.3-5.5	3.2	10°	CO + FLAT	5	**288.150.36Q**
160	45	3/11/70	36	4.3-5.5	3.2	10°	CO + FLAT	5	**288.160.36Q**
160	55	3/7/66 + 3/6/84	36	4.3-5.5	3.2	10°	CO + FLAT	5	**288.160.360**
180	30	COMBI3	36	4.5-5.5	3.2	10°	CO + FLAT	5	**288.180.36M**
180	45	-	36	4.3-5.5	3.2	8°	CO + ATB 5°	5	**288.180.36Q2**
180	45	-	36	4.7-6.0	3.5	10°	CO + FLAT	5	**288.180.36Q**
180	50	3/12.5/80	44	4.3-5.5	3.2	10°	CO + FLAT	5	**288.180.44T**
180	55	-	36	5.0-6.2	3.5	10°	CO + FLAT	5	**288.180.360** ■
200	20	-	36	4.4-5.3	3.2	10°	CO + FLAT	5	**288.200.36H**
200	45	-	36	4.7-6.0	3.5	10°	CO + FLAT	5	**288.200.36Q**
200	45	-	36	4.3-5.5	3.2	10°	CO + FLAT	5	**Y288.200.36Q2**
200	65	2/9/100 + 2/9/110	36	4.4-5.3	3.2	10°	CO + FLAT	5	**288.200.36J**
215	50	3/15/80	42	4.3-5.5	3.2	8°	CO + FLAT	5	**288.215.42T**
300	50	3/15/80	48	4.3-5.5	3.2	10°	CO + FLAT	5	**288.300.48T**
300	65	2/9/100 + 2/9/110	72	4.3-5.5	3.2	10°	CO + FLAT	5	**288.300.72J**

■ *While supplies last*



K CONTRACTOR

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



HW

PERFORMANCE

WOOD

MACHINES


MINI CORDLESS CIRCULAR SAW


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


PORTABLE TABLE SAW


STATIONARY TABLE

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

For specific details regarding applications, please check blade label.

MATERIALS


WOOD


OSB


PLYWOOD


CLAMSHELL



BULK PACK 10 PCS.

DESCRIPTION	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO. CLAMSHELL		ORDER NO. BULK PACK 10 PCS.
Finish	86	15	2/6/60	24	1.5	1.0	12°	ATB 5°	10	**K02403**		
General Purpose	136	20	-	18	1.5	1.0	15°	ATB 15°			30	**K13618H-X10**
General Purpose	160	20	2/6/32	24	2.2	1.4	15°	ATB 15°	10	**K16024H**	30	**K16024H-X10**
Finish	160	20	2/6/32	40	2.2	1.4	15°	ATB 15°	10	**K16040H**	30	**K16040H-X10**
General Purpose	165	20	2/6/32	24	1.7	1.1	15°	ATB 15°	10	**K16524H**	30	**K16524H-X10**
Finish	165	20	2/6/32	40	1.7	1.1	15°	ATB 15°			30	**K16540H-X10**
new General Purpose	184	20 (+16)	2/6/32	24	1.7	1.1	15°	ATB 15°			30	**K18424H-X10**
General Purpose	190	30	2/7/42	24	2.2	1.4	20°	ATB 10°	10	**K19024M**	30	**K19024M-X10**
Ripping	216	30	2/7/42	24	2.4	1.6	-5°	ATB 15°	10	**K21624M**	30	**K21624M-X10**
Finish	216	30	2/7/42	48	2.4	1.6	-5°	ATB 15°	10	**K21648M**	30	**K21648M-X10**
General Purpose	250	30	COMBI3	40	2.6	1.8	15°	ATB 10°			20	**K25040M-X05***
new General Purpose	250	30	COMBI3	60	2.4	1.6	15°	ATB 10°	10	**K25060M**		
new General Purpose	300	30	COMBI3	72	2.6	1.8	18°	ATB 10°	10	**K30072M**		



K CONTRACTOR

HW

PERFORMANCE

WOOD

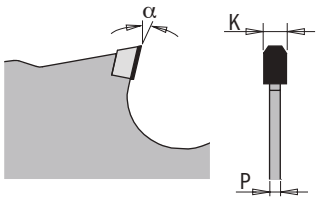
CLAMSHELL COMBO PACK

DESCRIPTION	SET CONTAINS	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO. CLAMSHELL
3 PCS. BLISTER COMBO PACK		**Ø160MM**									
General Purpose	K16024H (1 pc.)	160	20	2/6/32	24	2.2	1.4	15°	ATB 15°	10	K160H-X03
Finish	K16040H (2 pcs.)	160	20	2/6/32	40	2.2	1.4	15°	ATB 15°		
3 PCS. BLISTER COMBO PACK		**Ø190MM**									
General Purpose	K19024M (2 pcs.)	190	30	2/7/42	24	2.2	1.4	20°	ATB 10°	10	K190M-X03
Finish	K19040M (1 pc.)	190	30	2/7/42	40	2.2	1.4	15°	ATB 10°		
3 PCS. BLISTER COMBO PACK		**Ø216MM**									
Ripping	K21624M (1 pc.)	216	30	2/7/42	24	2.4	1.6	-5°	ATB 15°	10	K216M-X03
Finish	K21648M (2 pcs.)	216	30	2/7/42	48	2.4	1.6	-5°	ATB 15°		
2 PCS. BLISTER COMBO PACK		**Ø250MM**									
Ripping	K25024M (1 pc.)	250	30	COMBI3	24	2.6	1.8	20°	ATB 10°	10	K250M-X02
General Purpose	K25040M (1 pc.)	250	30	COMBI3	40	2.6	1.8	15°	ATB 10°		
2 PCS. BLISTER COMBO PACK		**Ø305MM**									
General Purpose	K30540M (1 pc.)	305	30	COMBI3	40	2.8	2.0	-5°	ATB 10°	10	K305M-X02
Finish	K30560M (1 pc.)	305	30	COMBI3	60	2.8	2.0	-5°	ATB 10°		

DP - Ultra-Hard Materials - LONG LIFE



K CONTRACTOR



PCD DP

PERFORMANCE

MULTI-MATERIALS

MACHINES



CORDLESS CIRCULAR SAW



CIRCULAR SAW

MATERIALS



FIBRECEMENT



PLASTERBOARD



ETERNIT®

IDEAL FOR:
SWISSPEARL®, FERMACELL®, IVARPLANK®, HARDIEPLANK®, HARDIEPANEL®, CORIAN®, DUROPLAST®, FORMICA®

DESCRIPTION	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO. CLAMSHELL
Multi-Materials	160	20	2/6/32	10	2.4	1.8	5°	TCG	10	K160-10HD

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CMT ORANGE TOOLS®



230.312

INTERNATIONAL PATENT PENDING

CMT is proud to introduce a brand new Locked Dado Pro Set unlike any other! This is the very first Dado ever deemed UNI EN847 compliant. This means that while the Dado is rotating, the assembled elements will never come into contact with each other! This is possible thanks to unique blade body design and 'never before seen' special "lock spacers".

FEATURES:

- For flat bottom grooves & virtually splinter-free cuts in solid wood, laminates & melamines, veneer plywood.
- Includes shims (plastic & magnetic) and plastic "lock spacers" set for micro-thin adjustability.
- Compatible with most radial arm saws and stationary table saws, including SAWSTOP®.
- Easy pre-assembly out of machine. Once stacked, no alignment necessary.
- Cutting teeth/assembled elements never come in contact each other, even when brake safety system kicks in.

HW

PERFORMANCE

WOOD

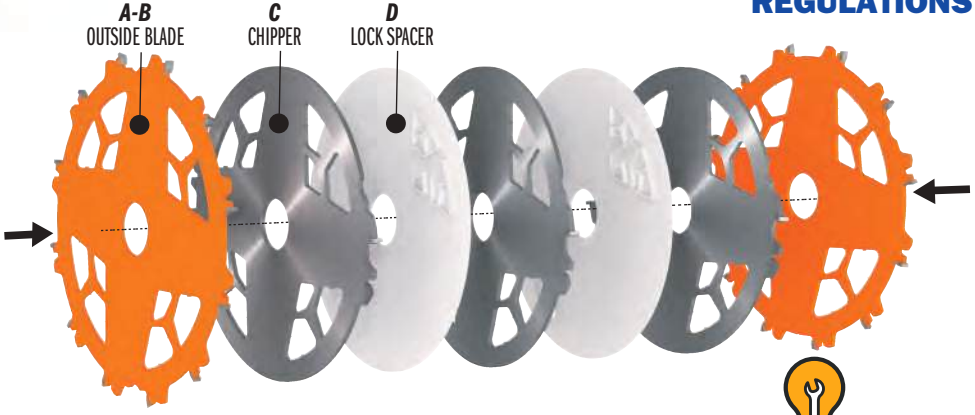
1ST EVER
UNI EN 847 COMPLIANT

First ever DADO in compliance with EU REGULATIONS

Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.







MATERIALS



MACHINES

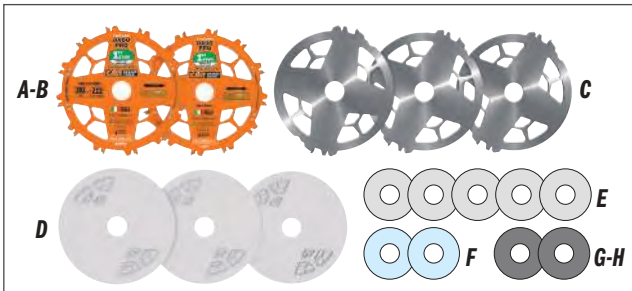


PTIA 2024
AWARD WINNER

2024 PRO TOOL INNOVATION AWARDS
TABLE SAW BLADE WINNER
"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"
www.protoolinnovationawards.com

Sturdy reusable carrying case





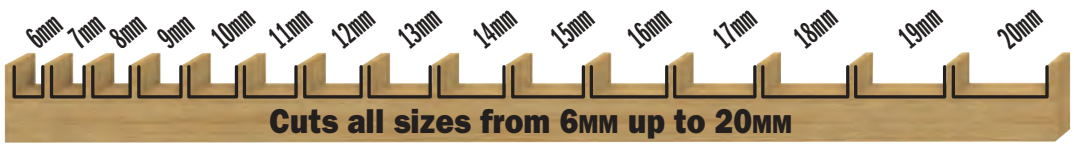
SET INCLUDES:

- ***A*** - Left Outside Blade 203mm (qty: 1)
- ***B*** - Right Outside Blade 203mm (qty: 1)
- ***C*** - Chippers 3.14mm (qty: 3)
- ***D*** - Lock Spacers 1.6mm (qty: 3)
- ***E*** - Shim 0.1mm (qty: 5)
- ***F*** - Shim 0.2mm (qty: 2)
- ***G*** - Magnetic Shim 0.3mm (qty: 1)
- ***H*** - Magnetic Shim 0.5mm (qty: 1)

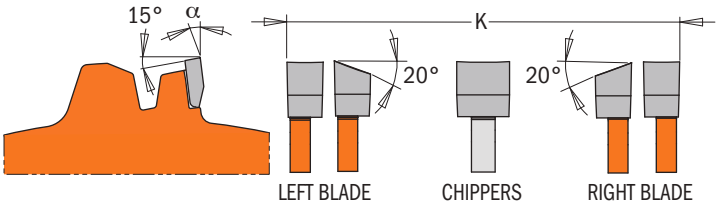
SPARE PART SET

INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

Download instructions sheets from our website



Nominal Widths	6mm	7mm	8mm	9mm	10mm	11mm	12mm	13mm	14mm	15mm	16mm	17mm	18mm	19mm	20mm
Left Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Right Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chipper 3.14mm	0	0	0	0	1	1	1	2	2	2	2	3	3	3	3
Lock Spacer 1.6mm	0	0	1	1	0	1	1	0	1	1	2	0	1	2	2
Shim 0.1mm	0	0	0	2	1	0	0	0	1	1	0	4	0	0	2
Shim 0.2mm	0	1	2	2	1	1	2	1	0	1	1	2	1	2	2
Mag. Shim 0.3mm	0	1	0	1	0	0	1	0	0	1	1	1	1	0	1
Mag. Shim 0.5mm	0	1	0	1	1	0	1	1	0	1	0	1	1	0	1

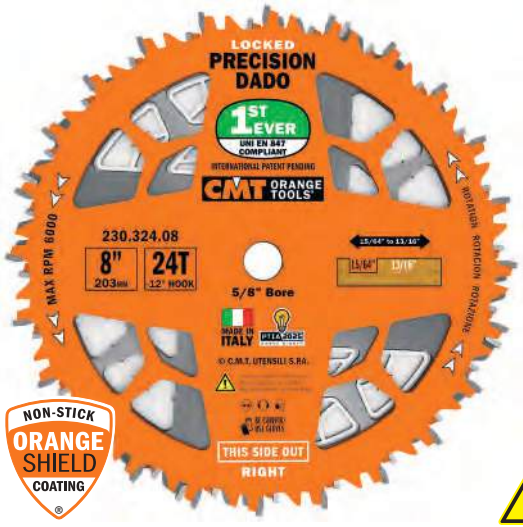


D mm	B mm	Z	α	β		ORDER NO.
203	15.88	12	-12°	FLAT+ATB	3	230.312.08
203	30	12	-12°	FLAT+ATB	3	230.312.08M

Spare parts: **299.000.08** Dado Pro Shim Set 230.312.08M
299.000.09 Dado Pro Shim Set 230.312.08

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®



230.324 INTERNATIONAL PATENT PENDING

CMT is proud to introduce a brand new Locked Precision Dado Set unlike any other! This is the very first 24T Dado ever deemed UNI EN847 compliant. This means that while the Dado is rotating, the assembled elements will never come into contact with each other! This is possible thanks to unique blade body design and 'never before seen' special "lock spacers".

FEATURES:

- Ultra Finish flat bottom grooves & chip free dadoes in solid wood, veneered plywoods, laminates and melamines.
- Includes shims (plastics & magnetic) and plastics "lock spacers" set for micro-thin adjustability.
- Compatible with most radial arm saws and stationary table saws, including SAWSTOP®.
- Easy pre-assembly out of machine. Once stacked, no alignment necessary.
- Cutting teeth/assembled elements never come in contact each other, even when brake safety system kicks in.

HW NON-STICK ORANGE SHIELD COATING

★★★★★ PERFORMANCE

WOOD

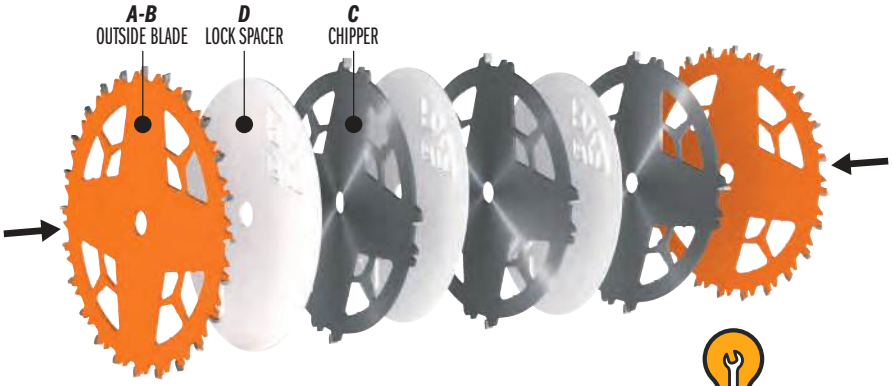
1ST EVER UNI EN 847 COMPLIANT

First ever DADO in compliance with EU REGULATIONS

Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.







MATERIALS


WOOD


LAMINATES & MELAMINES



VENEERED PLYWOODS

MACHINES


RADIAL ARM

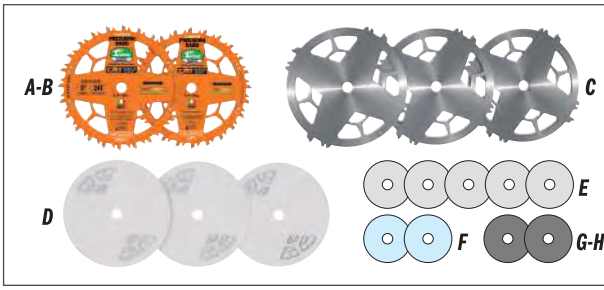

TABLE SAW

PTIA 2025 AWARD WINNER

2025 PRO TOOL INNOVATION AWARDS
TABLE SAW BLADE WINNER
"RECOGNIZED FOR EXCELLENCE IN INNOVATION AND PERFORMANCE"
www.protoolinnovationawards.com

Sturdy reusable carrying case





SET INCLUDES:

- ***A*** - Left Outside Blade 8" (qty: 1)
- ***B*** - Right Outside Blade 8" (qty: 1)
- ***C*** - Chippers 1/8" (qty: 3)
- ***D*** - Lock Spacers 1/16" (qty: 3)
- ***E*** - Shim 0.004" (qty: 5)
- ***F*** - Shim 0.008" (qty: 2)
- ***G*** - Magnetic Shim 0.012" (qty: 1)
- ***H*** - Magnetic Shim 0.020" (qty: 1)

SPARE PART SET: 299.000.09

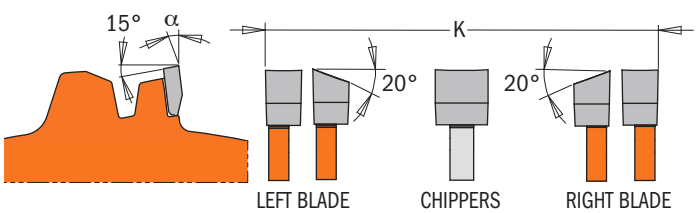
INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

Download instructions sheets from our website

15/64" 1/4" 5/16" 11/32" 3/8" 15/32" 7/16" 15/32" 1/2" 17/32" 9/16" 19/32" 5/8" 21/32" 11/16" 23/32" 3/4" 25/32" 13/16"

Cuts All Sizes from 15/64" to 13/16"

Nominal Widths	15/64"	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"
Left Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Right Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chipper 1/8"	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3
Lock Spacer 1/16"	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	2	2	3
Shim 0.004"	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Shim 0.008"	0	0	0	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Mag. Shim 0.012"	0	1	1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
Mag. Shim 0.020"	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0



D mm	B mm	Z	α	β		ORDER NO.
203	15.88	24+24	-12°	FLAT+ATB	3	230.324.08

CMT ORANGE TOOLS®



230.5

CMT designed a new Dado Precision Set with the following features:
- New Setting Points for chippers alignment.
- For flat bottom grooves & virtually splinter-free cuts in solid wood, laminates & melamines, veneer plywood.
- Includes shims (plastic & magnetic) and plastic "lock spacers" set for micro-thin adjustability.
- ORANGE SHIELD COATING® protect from heat, gumming and corrosion.

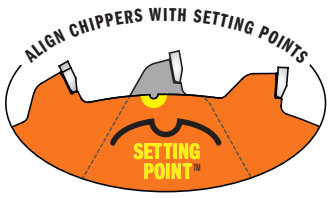
HW

NON-STICK ORANGE SHIELD COATING

PERFORMANCE

WOOD

NOT FOR EU



Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.

MATERIALS


WOOD


LAMINATES & MELAMINES


VENEERED PLYWOODS

MACHINES


RADIAL ARM

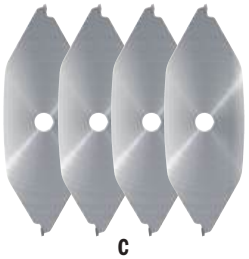

TABLE SAW

230.524.08 SET INCLUDES:
- **A** - Left Outside Blade (qty: 1)
- **B** - Right Outside Blade (qty: 1)
- **C** - Chippers 1/8" (qty: 4)
- **D** - Spacers 1/16" (qty: 2)
- **E** - Shims 0.004" (qty: 5)
- **F** - Shim 0.008" (qty: 2)
- **G** - Magnetic Shim 0.012" (qty: 1)
- **H** - Magnetic Shim 0.020" (qty: 1)

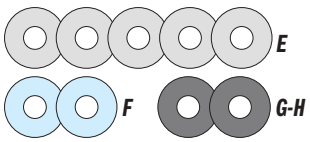
SPARE PART SET: 299.000.09



A-B


C

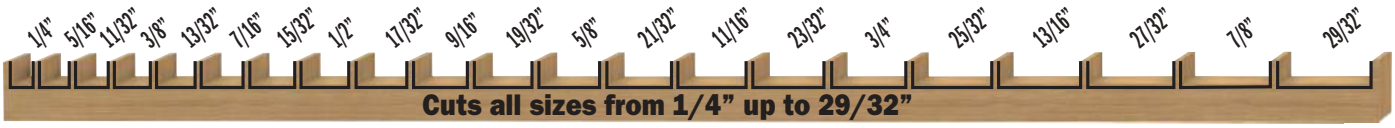

D





Download instructions sheets from our website

Nominal Widths	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Right Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chipper 1/8"	0	0	0	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	
Spacer 1/16"	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	2	2
Shim 0.004"	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Shim 0.008"	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	0	1	0	1
Mag. Shim 0.012"	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1
Mag. Shim 0.020"	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1

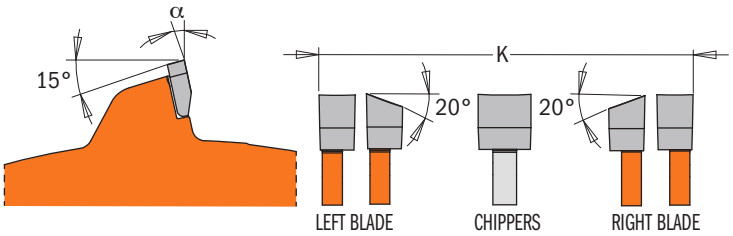



230.524.08

Sturdy reusable carrying case

230.520.06





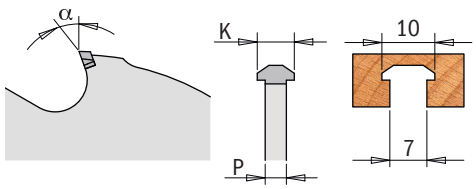
D mm	B mm	Z	α	β		ORDER NO.
152	15.88	20	-12°	FLAT+ATB	3	230.520.06
203	15.88	24	-12°	FLAT+ATB	3	230.524.08



240

PCD DP HW

WOOD



P-System®

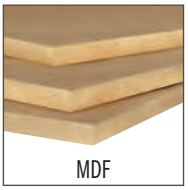
MACHINES


BISCUIT JOINER

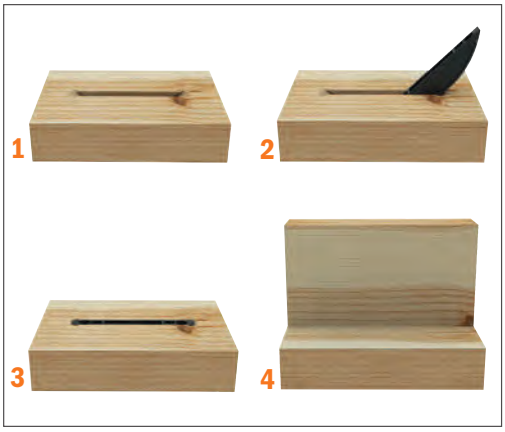

CNC MACHINES

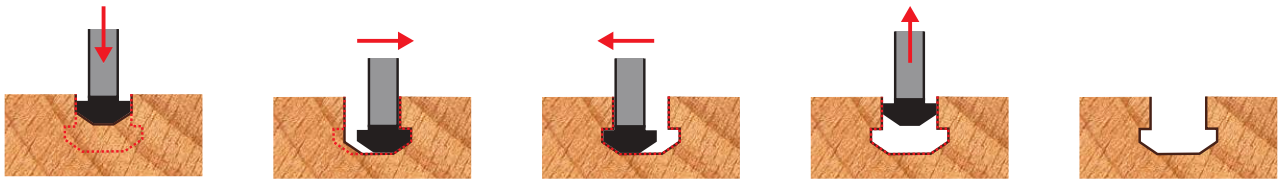
MATERIALS


WOOD


MDF

APPLICATIONS





240 XTREME

PCD DP — PERFORMANCE ★★★★★

D mm	B mm	TEETH MATERIAL	MACHINES	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
100.4	22	DP	LAMELLO® ZETA P®	4/4.5 - 9.5/36	3	7.0	4.0	20°	TCG	10	240.601.04
100.4	30	DP	CNC	4/6.6 - 12/48	3	7.0	4.0	20°	TCG	10	240.601.04M

240 INDUSTRIAL

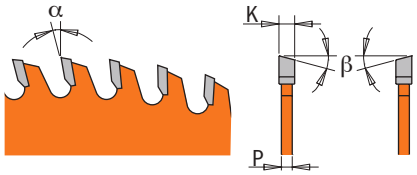
HW — PERFORMANCE ★★★★☆

D mm	B mm	TEETH MATERIAL	MACHINES	PIN HOLE	Z	K mm	P mm	α	β	COATING TYPE		ORDER NO.
100.4	22	HW	LAMELLO® ZETA P®	4/4.5 - 9.5/36	6	7.0	4.0	20°	TCG	ORANGE SHIELD®	10	240.001.04

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



240 INDUSTRIAL



HW

PERFORMANCE

WOOD

MACHINES


TOUPIE


CHUCK CNC

Blade diameter compatibility is contingent on machine type.

SUITABLE FOR THESE CNC CHUCKS:



183.410.30

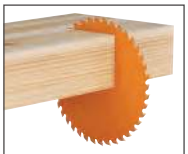


183.420.30



APPLICATIONS


GROOVING


CROSS

MATERIALS


WOOD


PLYWOOD


MELAMINE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
120	20	3/5.0 - 9.2/35 (RH-LH)	24	4.0	3.0	10°	ATB 10°	10	**240.120.040H**
150	30	4/6.5 - 12/48 45°	36	3.0	2.2	5°	ATB 5°	10	**240.150.030M**
150	30	4/6.5 - 12/48 45°	36	4.0	3.0	5°	ATB 5°	10	**240.150.040M**
150	30	4/6.5 - 12/48 45°	36	5.0	3.0	5°	ATB 5°	10	**240.150.050M**
150	30	4/6.5 - 12/48 45°	36	6.0	3.0	5°	ATB 5°	10	**240.150.060M**

CMT ORANGE TOOLS®

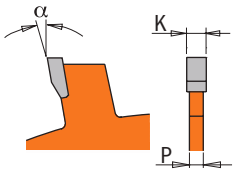
240 INDUSTRIAL

HW

PERFORMANCE

WOOD







The new design allows **blades stacking** *with different kerf thickness (see examples of stacking), subject to safety regulations in force in your area.*

MACHINES

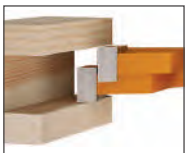

TOUPIE


CHUCK CNC

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


GROOVING


GROOVING/STACKING

MATERIALS


WOOD


PLYWOOD


MELAMINE

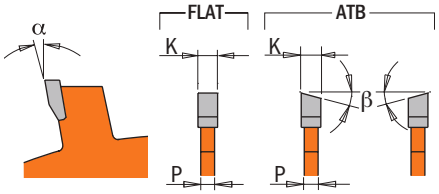


D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
150	30	-	12	2.0	1.4	15°	FLAT	10	**240.020.06M**
150	35	-	12	2.0	1.4	15°	FLAT	10	**240.020.06R**
150	30	-	12	3.0	2.0	15°	FLAT	10	**240.030.06M**
150	35	-	12	3.0	2.0	15°	FLAT	10	**240.030.06R**
150	30	-	12	4.0	3.0	15°	FLAT	10	**240.040.06M**
150	35	-	12	4.0	3.0	15°	FLAT	10	**240.040.06R**
150	30	-	12	5.0	3.0	15°	FLAT	10	**240.050.06M**
150	35	-	12	5.0	3.0	15°	FLAT	10	**240.050.06R**
150	30	-	12	6.0	3.0	15°	FLAT	10	**240.060.06M**
150	35	-	12	6.0	3.0	15°	FLAT	10	**240.060.06R**
180	30	-	18	3.0	2.0	15°	FLAT	10	**240.030.07M**
180	35	-	18	3.0	2.0	15°	FLAT	10	**240.030.07R**
180	30	-	18	4.0	3.0	15°	FLAT	10	**240.040.07M**
180	35	-	18	4.0	3.0	15°	FLAT	10	**240.040.07R**
180	30	-	18	5.0	3.0	15°	FLAT	10	**240.050.07M**
180	35	-	18	5.0	3.0	15°	FLAT	10	**240.050.07R**
180	30	-	18	6.0	3.0	15°	FLAT	10	**240.060.07M**
180	35	-	18	6.0	3.0	15°	FLAT	10	**240.060.07R**
new 180	30	-	18	6.35	3.0	15°	FLAT	10	**240.064.07M**

CMT ORANGE TOOLS®



240-241 INDUSTRIAL



HW

PERFORMANCE

WOOD

MACHINES



BISCUIT JOINER

APPLICATIONS



BISCUIT JOINER

MATERIALS



WOOD



MDF

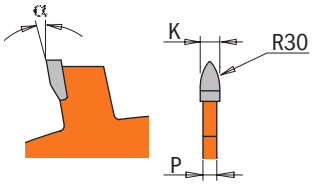
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
100	22	4/4.5 - 9.5/36	6	3.96	3.0	18°	ATB 10°	10	**240.006.04**
100	22	4/4.5 - 9.5/36	8	3.96	3.0	15°	ATB 10°	10	**240.008.04**
100	22	-	8	3.96	3.1 - 3.8	15°	FLAT	10	**241.008.04** ●

● Ideal for **VIRUTEX®**

Biscuit Joiner



240.004.04



HW

PERFORMANCE

WOOD

MACHINES



BISCUIT JOINER

APPLICATIONS



PATCHWORK AND REPAIR

MATERIALS



HARDWOOD



SOFTWOOD

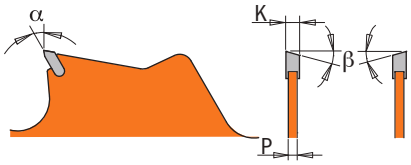
D mm	B mm	MACHINES	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
100	22	LAMELLO®	4/4.5 - 9.5/36	4	8.0	6.0	18°	R30	10	**240.004.04**

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CMT ORANGE TOOLS®



298



HW

PERFORMANCE

MULTI-MATERIALS



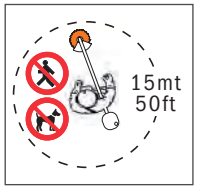
SECURED TOOTH

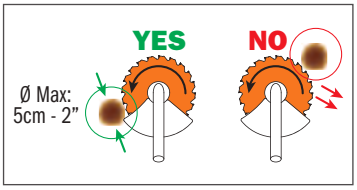
SECURED TOOTH – MORE RESISTANT TO ACCIDENTAL CONTACT
Teeth are welded deep inside blade body which significantly reduces breakage caused by accidental contact with terrain, rocks or stones, masonry work, metal parts, etc.;
avoid all contact with these elements wherever possible.

HEAVY DUTY PLATE – THIN, LIGHT AND STRONG
Cut from the finest steel. Remarkably thin kerf and specifically designed perforations considerably reduce blade weight thereby reducing tool workload.



SAFETY WARNING
Circular saw blades are suitable for thinning brush and cutting small trees up to a diameter of 5 cm (2 in) in thickness. Do not attempt to cut trees with larger diameters, since the blade may catch or jerk the clearing saw forward. This may cause damage to the blade or loss of control of the power tool and result in serious injury.
Use a chain saw for such work. The operator shall ensure, while working, that no persons or animals come within 15 meters (50 feet) of the tool while in operation. Inspect the work area: remove stones, rocks, pieces of metal and other solid objects which could be thrown by the cutting attachment causing damage to objects or injury to those in close proximity. To reduce the risk of blade/teeth breakage, avoid all contact with terrain, rocks or stones, masonry work, metal parts, etc.





MACHINES


BRUSH CUTTER

MATERIALS


BUSHES & SMALL TREES
(up to a diameter of Ø5cm)

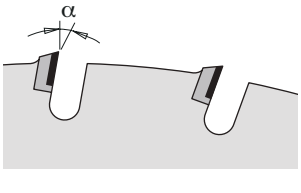

GRASS

D mm	B mm	RPM max	Z	K mm	P mm	α	β		ORDER NO.
250	25.4 (+20)	12.000	20	2.0	1.4	2°	ATB 8°	10	**298.250.20**
250	25.4 (+20)	12.000	40	2.0	1.4	2°	ATB 8°	10	**298.250.40**



LEUCO
Patent Pending

235 XTREME NOISELESS ALL-AROUND



50X LONGER LIFE THAN CARBIDE

PCD DP

PERFORMANCE

MULTI-MATERIALS

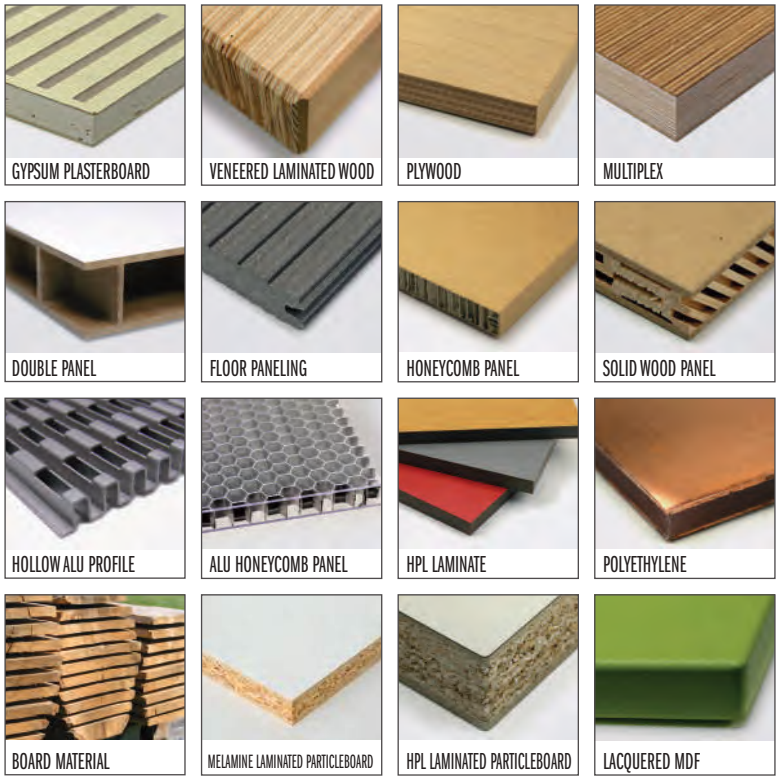
MACHINES



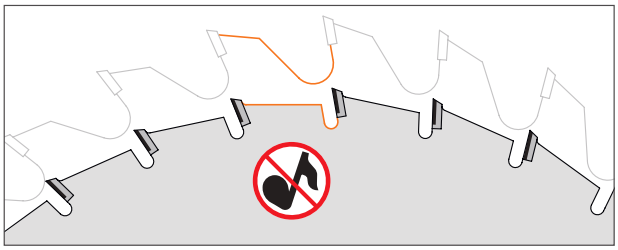
Blade diameter compatibility is contingent on machine type.

MATERIALS

NO LIMITS: CUT ALL WITH ONE BLADE!



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

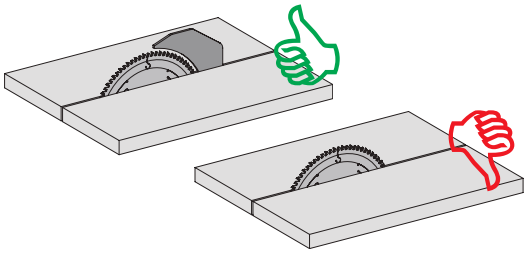
XTREME QUALITY
The special hollow back tooth configuration (HR) guarantees an excellent cutting quality.

XTREME FAST
The teeth are surprisingly thin! The cutting width is a mere 2.5mm 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 a splitting wedge between **2.0** and **2.4**mm in thickness.



LONGER LIFETIME THANKS TO DIAMOND TIPS Clean your circular 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.

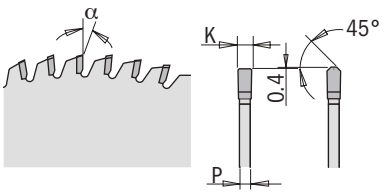
- **It is not recommended to use the saw blades for longitudinal cuts in soft wood and material thicknesses of more than 40mm.**
- **Do not cut materials with nails, stone and metal parts.**
- **Chip-free cuts can only be guaranteed in combination with a suitable scoring saw blade.**

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**

Solid Surface



223 CHROME SHIELD



HW

PERFORMANCE

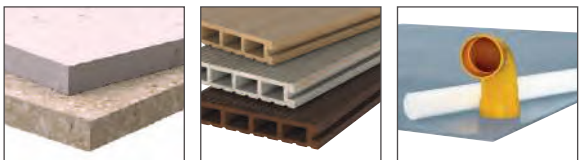
MULTI-MATERIALS

MACHINES



Blade diameter compatibility is contingent on machine type.

MATERIALS



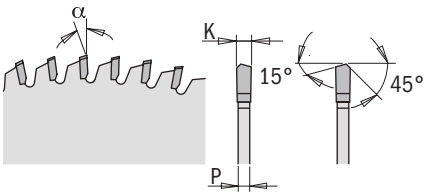
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	48	2.2	1.6	0°	MTCG	1	**223.048.06H** ●
250	30	COMBI3	72	3.2	2.5	0°	MTCG	1	**223.072.10M**
300	30	COMBI3	84	3.2	2.5	0°	MTCG	1	**223.084.12M**

● Ideal for **FESTOOL®** & others

Plastics



222 XTREME



HW

PERFORMANCE

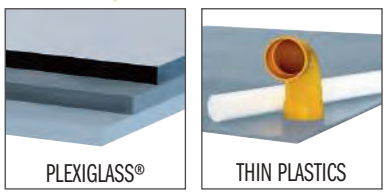
MULTI-MATERIALS

MACHINES



Blade diameter compatibility is contingent on machine type.

MATERIALS



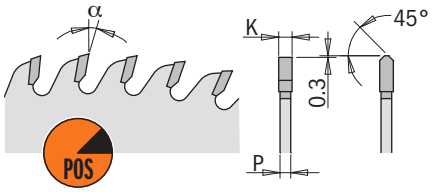
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	2.8	2.2	-3°	MATB	1	**222.080.10M**
300	30	COMBI3	96	2.8	2.2	-3°	MATB	1	**222.096.12M**

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CMT ORANGE TOOLS®



284 XTREME



HW

PERFORMANCE

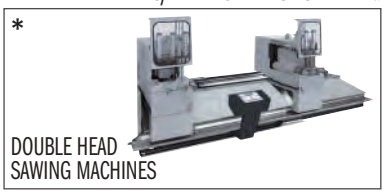
NON-FERROUS

MACHINES

*WITH MEC/MAN WORKPIECE CLAMPING







Blade diameter compatibility is contingent on machine type.

MATERIALS









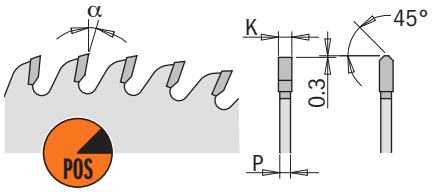


For specific details regarding suggested materials, please check blade label.

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	6°	TCG	1	**284.080.10P**
300	32	2/12/64	96	3.2	2.5	6°	TCG	1	**284.096.12P**
350	32	2/12/64	84	3.6	3.0	6°	TCG	1	**284.092.14P**
350	32	2/12/64	108	3.6	3.0	6°	TCG	1	**284.108.14P**
400	32	2/12/64	96	4.0	3.2	6°	TCG	1	**284.096.16P**
420	32	2/12/64	96	3.8	3.2	6°	TCG	1	**284.096.17P**
450	30	2/10/60	108	4.2	3.5	6°	TCG	1	**284.108.18M**
450	32	2/12/64	108	4.2	3.5	6°	TCG	1	**284.108.18P**
500	30	2/10/60	120	4.3	3.5	10°	TCG	1	**284.120.20M**
500	32	2/12/64	120	4.3	3.5	10°	TCG	1	**284.120.20P**
new 550	30	2/11/63 - 2/11/70	132	4.3	3.5	10°	TCG	1	**284.132.22M**
new 550	32	2/11/63 - 2/11/70	132	4.3	3.5	10°	TCG	1	**284.132.22P**



284 INDUSTRIAL



HW

PERFORMANCE

NON-FERROUS

MACHINES

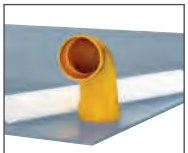

CIRCULAR SAW


MITRE SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINIUM


PLASTICS


COPPER


BRASS


PLASTERBOARD

For specific details regarding suggested materials, please check blade label.

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	24	2.2	1.6	5°	TCG	10	**284.160.24H** ●
190	30	2/7/42	30	2.6	2.2	5°	TCG	10	**284.190.30M**
216	30	2/7/42	40	2.6	2.2	5°	TCG	10	**284.216.40M** ●

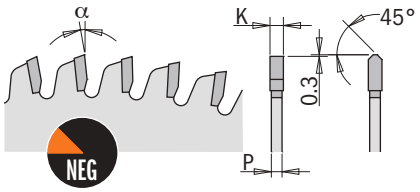
● Ideal for **FESTOOL®** & others

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296-297

ORANGE CHROME®





HW

PERFORMANCE

NON-FERROUS

MACHINES



Blade diameter compatibility is contingent on machine type.

MATERIALS



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	52	2.2	1.8	-5°	TCG	1	**296.760.52H** ●
160	20	2/6/32	52	1.8	1.2	-5°	TCG	1	**296.761.52H** ●
168	20	2/6/32	52	1.8	1.2	-5°	TCG	1	**296.768.52H** ●
216	30	2/7/42	64	2.3	1.6	0°	TCG	1	**297.816.64M** ●

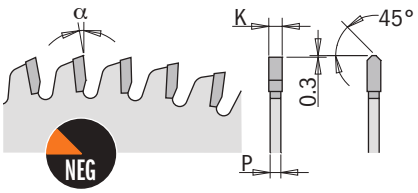
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CMT ORANGE TOOLS®



297 XTREME



HW

PERFORMANCE

NON-FERROUS

MACHINES


MITRE SAW


SLIDE MITRE SAW


PORTABLE TABLE SAW


TABLE SAW


DOUBLE MITRE SAWS

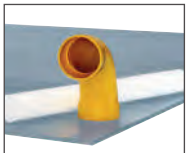
Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINIUM


COPPER


BRASS

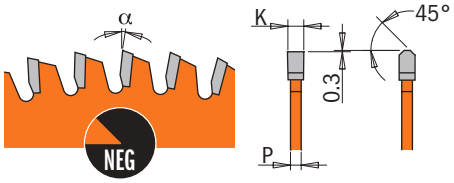

PLASTICS


MELAMINE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	80	3.2	2.5	-6°	TCG	1	**297.080.10M**
250	32	2/12/64	80	3.2	2.5	-6°	TCG	1	**297.080.10P**
254	30	COMBI3	80	3.2	2.5	-6°	TCG	1	**297.081.10M**
260	30	COMBI3	80	3.2	2.5	-6°	TCG	1	**297.080.11M**
280	30	COMBI3	64	3.2	2.5	-6°	TCG	1	**297.064.11M**
300	30	COMBI3	96	3.2	2.5	-6°	TCG	1	**297.096.12M**
300	32	2/12/64	96	3.2	2.5	-6°	TCG	1	**297.096.12P**
305	30	COMBI3	96	3.2	2.5	-6°	TCG	1	**297.096.13M**
315	30	COMBI3	96	3.2	2.5	-6°	TCG	1	**297.096.23M**
330	30	COMBI3	96	3.6	3.0	-6°	TCG	1	**297.096.33M**
330	32	COMBI3	96	3.6	3.0	-6°	TCG	1	**297.096.33P**
350	30	COMBI3	108	3.6	3.0	-6°	TCG	1	**297.108.14M**
350	32	4/12/64	108	3.6	3.0	-6°	TCG	1	**297.108.14P**
400	30	2/10/60	120	4.0	3.2	-6°	TCG	1	**297.120.16M**
400	32	4/12/64	96	4.0	3.2	-6°	TCG	1	**297.108.16P**
400	32	4/12/64	120	4.0	3.2	-6°	TCG	1	**297.120.16P**
450	30	2/10/60	96	4.2	3.5	-6°	TCG	1	**297.108.18M**
450	30	2/10/60	120	4.2	3.5	-6°	TCG	1	**Y297.140.18M**
450	32	2/12/64	96	4.2	3.5	-6°	TCG	1	**297.108.18P**
450	32	4/12/64	120	4.2	3.5	-6°	TCG	1	**297.120.18P**
500	30	2/10/60	120	4.3	3.5	-6°	TCG	1	**297.120.20M**
500	32	2/12/64	120	4.3	3.5	-6°	TCG	1	**297.120.20P**
new 550	32	4/12/64	148	4.3	3.5	5°	TCG	1	**Y297.148.22P**



296-297 INDUSTRIAL



HW

PERFORMANCE

NON-FERROUS

MACHINES



Blade diameter compatibility is contingent on machine type.

MATERIALS



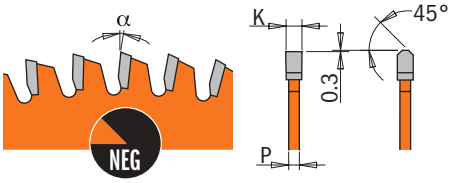
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
120	20	2/5.5/30	36	1.8	1.2	-6°	TCG	10	**296.120.36H**
160	20	2/6/32	40	2.2	1.6	-6°	TCG	10	**296.160.40H** ●
160	20	2/6/32	56	2.2	1.6	-6°	TCG	10	**296.160.56H** ●
165	20	2/6/32	40	2.2	1.6	-6°	TCG	10	**296.165.40H**
165	20	2/6/32	56	2.2	1.6	-6°	TCG	10	**296.165.56H**
180	20	2/6/32	40	2.8	2.2	-6°	TCG	10	**296.180.40H**
190	30	2/7/42	40	2.8	2.2	-6°	TCG	10	**296.190.40M**
190	30	2/7/42	64	2.8	2.2	-6°	TCG	10	**296.190.64M**
190	20 (FESTOOL® FF)	Key 5/7/2.5	64	2.8	2.2	-6°	TCG	10	**296.190.64FF** ●
200	30	COMBI3	48	2.8	2.2	-6°	TCG	10	**296.200.48M**
210	30	2/7/42	48	2.8	2.2	-6°	TCG	10	**296.210.48M** ●
210	30	2/7/42	64	2.8	2.2	-6°	TCG	10	**296.210.64M** ●
216	30	2/7/42	64	2.8	2.2	-6°	TCG	10	**297.064.09M** ●
216	30	2/7/42	80	2.8	2.2	-6°	TCG	10	**297.080.09M** ●
225	30	2/7/42	64	2.8	2.2	-6°	TCG	10	**296.225.64M** ●
230	30	2/7/42	48	2.8	2.2	-6°	TCG	10	**296.230.48M** ●
235	30	2/7/42	48	2.8	2.2	-6°	TCG	10	**296.235.48M**

● Ideal for FESTOOL® & others

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276 ITK PLUS®



HW

PERFORMANCE

NON-FERROUS

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITRE SAW


SLIDE MITRE SAW


RADIAL ARM

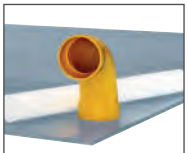

TABLE SAW

BATTERY SAVER

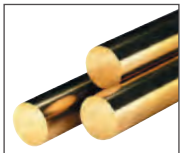
Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINIUM


PLASTICS


COPPER


BRASS


MELAMINE

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
140	20	2/6/32.5	48	1.8	1.2	-6°	TCG	10	**276.140.48H**
160	20 (+16)	2/6/32	48	1.8	1.2	-6°	TCG	10	**276.160.48H** ●
165	20 (+15.88)	2/6/32	56	1.8	1.2	-6°	TCG	10	**276.165.56H**
168	20	-	52	1.8	1.2	-5°	TCG	10	**276.168.52H** ●
184	20 (+16+15.88)	2/7/42	48	1.8	1.2	-6°	TCG	10	**276.184.48H**
190	30 (+20+16)	2/7/42	64	1.8	1.2	-6°	TCG	10	**276.190.64M**
210	30 (+25)	2/7/42	64	1.8	1.2	-6°	TCG	10	**276.210.64M** ●
216	30	2/7/42	64	2.2	1.6	-6°	TCG	10	**276.216.64M** ●
250	30	COMBI3	80	2.6	1.8	-6°	TCG	10	**276.250.80M**
300	30	COMBI3	96	2.8	2.0	-6°	TCG	5	**276.300.96M**
305	30	COMBI3	96	2.8	2.0	-6°	TCG	5	**276.305.96M**

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MATERIALS	COATING TYPE: VAPO	COATING TYPE: TiCN
STEEL (<500 N/mm²)	★ ★	★ ★ ★ ★
STEEL (<800 N/mm²)	★ ★	★ ★ ★
STEEL (<1200 N/mm²)	★ ★	★ ★ ★ ★
STAINLESS STEEL	★ ★	★ ★ ★ ★
CAST IRON	★ ★	★ ★ ★ ★
ALUMINIUM/ALLOY AL.	★ ★	★ ★ ★ ★
TITANIUM	★	★ ★
BRONZE	NOT RECOMMENDED	★ ★ ★ ★
COPPER	NOT RECOMMENDED	★ ★ ★
BRASS	NOT RECOMMENDED	★ ★ ★
TECHNICAL INFO	**VAPO**	**TiCN**
COLOR	BLACK	BROWN - RED
HARDNESS (HV)	800	3200
THICKNESS (µm)	2 - 4	2 - 4
COEFFICIENT OF FRICTION	0.6	0.2
MAX. WORKING TEMPERATURE	350°C	450°C

MATERIALS	V (m/min.) MIN. ~ MAX
STEEL (<500 N/mm²):	30 ~ 60
STEEL (<800 N/mm²):	25 ~ 40
STEEL (<1200 N/mm²):	15 ~ 30
STAINLESS STEEL:	15 ~ 30
CAST IRON:	25 ~ 50
ALUMINIUM/ALLOY AL.:	500 ~ 700
TITANIUM:	15 ~ 20
BRONZE:	200 ~ 300
COPPER:	200 ~ 400
BRASS:	400 ~ 600

SUGGESTED SPEED (BW - C/HZ)

$$RPM = \frac{1000 \times V\ (m/min.)}{3.14 \times D\ (mm)}$$



MANUAL,
SEMI-AUTOMATIC
& AUTOMATIC MACHINES





Suggested use with
Emulsion/Spray Oil

Metal & Steel

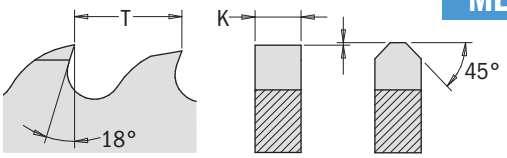


HSS
HIGH SPEED STEEL
DMo5

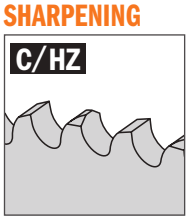
227 HSS LINE

HSS

METAL & STEEL



SHARPENING



APPLICATIONS



SOLID PROFILE/SECTIONS
& THICK PIPES/TUBES

D mm	B mm	PIN HOLE	Z	K mm	PITCH T	β	COATING	ORDER NO.
250	32	2/8/45+2/9/50+2/11/63	128	2.0	T6	C/HZ	VAPO	**227.250.128P**
275	32	2/8/45+2/9/50+2/11/63	140	2.5	T6	C/HZ	VAPO	**227.275.140P**
300	32	2/8/45+2/9/50+2/11/63	160	2.5	T6	C/HZ	VAPO	**227.300.160P**
315	32	2/8/45+2/9/50+2/11/63	160	2.5	T6	C/HZ	VAPO	**227.315.160P**
350	32	2/8/45+2/9/50+2/11/63	180	2.5	T6	C/HZ	VAPO	**227.350.180P**

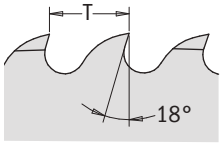
CMT ORANGE TOOLS®

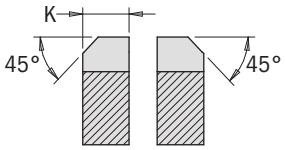


227 HSS LINE

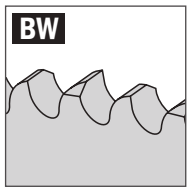
HSS

METAL & STEEL





SHARPENING



APPLICATIONS



PROFILE/SECTIONS & PIPES/TUBES

D mm	B mm	PIN HOLE	Z	K mm	PITCH T	β	COATING	ORDER NO.
200	32	2/8/45+2/9/50+2/11/63	160	1.8	T4	BW	VAPO	**227.200.160P**
225	32	2/8/45+2/9/50+2/11/63	180	1.9	T4	BW	VAPO	**227.225.180P**
250	32	2/8/45+2/9/50+2/11/63	160	2.0	T5	BW	VAPO	**227.250.160P**
250	32	2/8/45+2/9/50+2/11/63	200	2.0	T4	BW	VAPO	**227.250.200P**
275	32	2/8/45+2/9/50+2/11/63	220	2.5	T4	BW	VAPO	**227.275.220P**
300	32	2/8/45+2/9/50+2/11/63	220	2.5	T4	BW	VAPO	**227.300.220P**
315	32	2/8/45+2/9/50+2/11/63	240	2.5	T4	BW	VAPO	**227.315.240P**
350	32	2/8/45+2/9/50+2/11/63	280	2.5	T4	BW	VAPO	**227.350.280P**

D mm	B mm	PIN HOLE	Z	K mm	PITCH T	β	COATING	ORDER NO.
250	32	2/8/45+2/9/50+2/11/63	200	2.0	T4	BW	TiCN	**227.250.700P**
275	32	2/8/45+2/9/50+2/11/63	220	2.0	T4	BW	TiCN	**227.275.722P**
275	32	2/8/45+2/9/50+2/11/63	220	2.5	T5	BW	TiCN	**227.275.720P**
300	32	2/8/45+2/9/50+2/11/63	220	2.0	T4	BW	TiCN	**227.300.722P**
300	32	2/8/45+2/9/50+2/11/63	220	2.5	T4	BW	TiCN	**227.300.720P**
315	32	2/8/45+2/9/50+2/11/63	240	2.5	T4	BW	TiCN	**227.315.740P**
350	32	2/8/45+2/9/50+2/11/63	280	2.5	T4	BW	TiCN	**227.350.780P**



HSS
HIGH SPEED STEEL
DMo5

227 HSS LINE

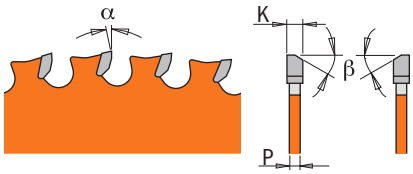
HSS

METAL & STEEL

D mm	B mm	PIN HOLE	Z	K mm	β	COATING	ORDER NO.
200	32	2/8/45+2/9/50+2/11/63	0	1.8	NOT SHARPENED	VAPO	**227.200P**
225	32	2/8/45+2/9/50+2/11/63	0	1.9	NOT SHARPENED	VAPO	**227.225P**
250	32	2/8/45+2/9/50+2/11/63	0	2.0	NOT SHARPENED	VAPO	**227.250P**
275	32	2/8/45+2/9/50+2/11/63	0	2.5	NOT SHARPENED	VAPO	**227.275P**
300	32	2/8/45+2/9/50+2/11/63	0	2.5	NOT SHARPENED	VAPO	**227.300P**
315	32	2/8/45+2/9/50+2/11/63	0	2.5	NOT SHARPENED	VAPO	**227.315P**
350	32	2/8/45+2/9/50+2/11/63	0	2.5	NOT SHARPENED	VAPO	**227.350P**



226 INDUSTRIAL



HW

PERFORMANCE

METAL & STEEL

MACHINES


CIRCULAR SAW


MITRE & CHOP MITRE SAW


LOW RPM/COLD SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS


EMT CONDUIT


PLASTICS


COPPER/BRASS


FIBERGLASS

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	MAX RPM		ORDER NO.
136*	20 (+10)	-	56	1.5	1.2	0°	FWF 8°	6000	10	**226.136.56H**
150	20	-	60	1.6	1.2	0°	FWF 8°	6000	10	**226.150.60H**
160	20 (+16)	2/6/32	60	2.0	1.6	0°	FWF 8°	6000	10	**226.160.60H** ●
165	20 (+15.88)	2/6/32	60	1.6	1.2	0°	FWF 8°	6000	10	**226.165.60H**
184	30 (+16+20)	2/7/42	64	2.0	1.6	0°	FWF 8°	6000	10	**226.184.64M**
190	30 (+20)	2/7/42	64	2.0	1.6	0°	FWF 8°	6000	10	**226.190.64M**
210	30	2/7/42	64	2.2	1.8	0°	FWF 8°	4500	10	**226.210.64M** ●
216	30	2/7/42	64	2.2	1.8	0°	FWF 8°	4500	10	**226.216.64M** ●
254	25.4 (+15.88)	-	60	2.2	1.8	0°	FWF 8°	3000	5	**226.060.10**
254	30	COMBI3	60	2.2	1.8	0°	FWF 8°	3000	5	**226.060.10M**
305	25	-	80	2.2	1.8	0°	FWF 8°	2000	5	**226.080.12**
305	30	COMBI3	80	2.2	1.8	0°	FWF 8°	2000	5	**226.080.12M**
355	25	-	90	2.2	1.8	0°	FWF 8°	2000	5	**226.090.14**
355	30	COMBI3	90	2.2	1.8	0°	FWF 8°	2000	5	**226.090.14M**

● Ideal for **FESTOOL®** & others

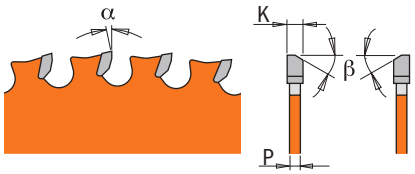
*Non-Silent Blades

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CMT ORANGE TOOLS®



226 INDUSTRIAL



HW

PERFORMANCE

METAL & STEEL

MACHINES


CIRCULAR SAW


MITRE & CHOP MITRE SAW


LOW RPM/COLD SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS


PIPES/TUBES


RODS


EMT CONDUIT

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	MAX RPM		ORDER NO.
136*	20 (+10+12.7)	-	30	1.5	1.2	0°	FWF 8°	6000	10	**226.030.05H**
150	20	-	32	1.6	1.2	0°	FWF 8°	6000	10	**226.032.06H**
160	20	2/6/32	30	2.0	1.6	0°	FWF 8°	6000	10	**226.030.06H** ●
165	15.88	-	36	1.6	1.2	0°	FWF 8°	6000	10	**226.036.06**
165	20	2/6/32	36	1.6	1.2	0°	FWF 8°	6000	10	**226.036.06H**
165	30	2/7/42	36	1.6	1.2	0°	FWF 8°	6000	10	**226.036.06M**
184	15.88	-	48	2.0	1.6	0°	FWF 8°	6000	10	**226.048.07**
190	30	2/7/42	40	2.0	1.6	0°	FWF 8°	6000	10	**226.040.07M**
203	15.88	-	48	2.2	1.8	0°	FWF 8°	4500	10	**226.048.08**
210	30 (+25.4+15.88)	2/7/42	48	2.2	1.8	0°	FWF 8°	4500	10	**226.048.08M** ●
216	30	2/7/42	48	2.2	1.8	0°	FWF 8°	4500	10	**226.047.09M** ●
235	30	2/7/42	48	2.2	1.8	0°	FWF 8°	3500	10	**226.048.09M**
254	25.4 (+15.88)	-	48	2.2	1.8	0°	FWF 8°	3000	5	**226.048.10**
305	25	-	60	2.2	1.8	0°	FWF 8°	2000	5	**226.060.12**
355	25	-	72	2.2	1.8	0°	FWF 8°	2000	5	**226.072.14**

● Ideal for **FESTOOL®** & others

*Non-Silent Blades

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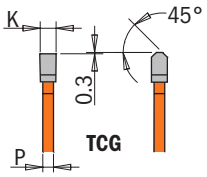


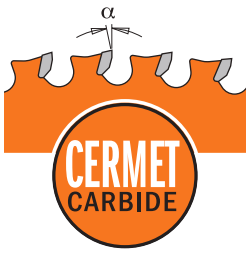
226 INDUSTRIAL

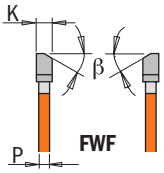
HW

PERFORMANCE

METAL & STEEL







MACHINES


CIRCULAR SAW


MITRE & CHOP MITRE SAW


LOW RPM/COLD SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS


PIPES/TUBES


RODS


EMT CONDUIT

Suggested for Stainless steel of common use, such as 302, 303 and 304.

With higher degrees of hardness, performance is not guaranteed (e.g. 316)

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	MAX RPM		ORDER NO.
160	20	2/6/32	40	1.8	1.4	0°	TCG	6000	10	**226.540.06H** ●
184	15.88	Knok Out < >	48	2.0	1.6	0°	TCG	6000	10	**226.548.07**
190	30	2/7/42	48	1.8	1.4	0°	TCG	6000	10	**226.548.07M**
216	30	2/7/42	56	1.8	1.4	0°	TCG	4500	10	**226.556.09M** ●
250	30	COMBI3	72	2.2	1.8	0°	FWF 10°	3000	5	**226.572.10M**
254	25.4 (+15.88)	-	72	2.2	1.8	0°	FWF 10°	3000	5	**226.572.10**
300	30	COMBI3	80	2.2	1.8	0°	FWF 10°	2000	5	**226.580.12M**
305	25.4	-	80	2.2	1.8	0°	FWF 10°	2000	5	**226.580.12**
355	30	COMBI3	90	2.2	1.8	0°	FWF 10°	2000	5	**226.590.14M**
355	25.4	-	90	2.2	1.8	0°	FWF 10°	2000	5	**226.590.14**

● Ideal for **FESTOOL®** & others

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Calibration & Sanding Disks



299.11

Use the CMT calibration disk to align your blade perfectly. Mount the disk on your bench saw and verify the angle using a 90° triangular ruler.
Then, mount your blade to work flawlessly.
You can also mount an adhesive abrasive disk to your calibration disk, which will help sand and remove impurities from materials that you worked.



D mm	B mm	P mm		ORDER NO.
200	30	2.8	10	**299.111.00M**
250	30	2.8	10	**299.112.00M**

Saw Blades Stabilizers



299.10

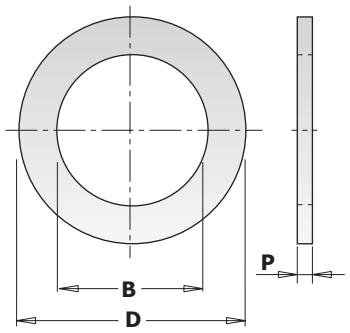
The CMT blade stabilizer reduces vibrations in the peripheral part of the blade to make cleaner, straighter cuts which ultimately extends the life of your CMT saw blade.
It also helps lessen noise caused by vibration during cutting.



DESCRIPTION	D mm	B mm	P mm		ORDER NO.
Stabilizer (2 pcs.) for Ø200mm	75	30	3.0	5	**299.101.00M**
Stabilizer (2 pcs.) for Ø250mm	125	30	3.0	5	**299.102.00M**
Stabilizer (2 pcs.) for Ø300mm	152	30	3.0	5	**299.103.00M**

NOTE: for use on stationary saws only.

Reduction Rings for Saw Blades



299

D mm	B mm	P mm		ORDER NO.
15.88	10	1.2	10	**299.218.00**
15.88	12.7	1.2	10	**299.217.00**
20	10	1.2	10	**299.244.00**
20	12.7	1.2	10	**299.221.00**
20	12.7	1.6	10	**299.401.00**
20	13	1.6	10	**299.402.00**
20	15	1.6	10	**299.403.00**
20	15.88	1.2	10	**299.245.00**
20	15.88	1.4	10	**299.243.00**
20	16	1.0	10	**299.351.00**
20	16	1.2	10	**299.222.00**
20	16	1.6	10	**299.404.00**
20	18	1.4	10	**299.236.00**
22.23	15	1.4	10	**299.237.00**
22.23	16	1.4	10	**299.242.00**
22.23	20	1.4	10	**299.238.00**
25	16	2.0	10	**299.301.00**
25	20	2.0	10	**299.302.00**
25.4	15.88	1.4	10	**299.216.00**
25.4	19.05	1.4	10	**299.213.00**
25.4	20	1.4	10	**299.214.00**
25.4	20	2.3	10	**299.220.00**
25.4	22	1.4	10	**299.215.00**
25.4	22.23	1.4	10	**299.239.00**
25.4	22.23	2.3	10	**299.219.00**

D mm	B mm	P mm		ORDER NO.
30	15	1.4	10	**299.240.00**
30	15.88	1.4	10	**299.211.00**
30	15.88	2.0	10	**299.303.00**
30	16	1.2	10	**299.451.00**
30	16	1.4	10	**299.223.00**
30	16	2.0	10	**299.226.00**
30	18	1.4	10	**299.232.00**
30	19.05	1.4	10	**299.241.00**
30	19.05	2.0	10	**299.305.00**
30	20	1.2	10	**299.452.00**
30	20	1.4	10	**299.224.00**
30	20	2.0	10	**299.227.00**
30	22	1.4	10	**299.231.00**
30	25	1.4	10	**299.225.00**
30	25	2.0	10	**299.228.00**
30	25.4	1.6	10	**299.405.00**
30	25.4	2.0	10	**299.212.00**
32	20	2.0	10	**299.309.00**
32	30	2.0	10	**299.229.00**
35	20	2.0	10	**299.311.00**
35	25	2.0	10	**299.312.00**
35	25.4	2.0	10	**299.313.00**
35	30	2.0	10	**299.230.00**
35	32	2.0	10	**299.233.00**
40	30	2.0	10	**299.316.00**

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
50	10	20	1.1	0.8	15°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.050.20D	33
70	20	8+8	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.070.16H	50
80	10	36	1.6	1.0	15°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.080.36D	33
80	20	10+10	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.080.20H	50
80	20	12	3.1-3.6	2.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	S288.080.12H	51
85	15	6	1.8	1.4	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.085.06G	11
86	15	24	1.5	1.0	12°	ATB 5°	WOOD	Contractor	★★	K02403	52
100	20	10+10	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.100.20H	50
100	22	10+10	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.100.20K	50
100	20	20	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.100.20H	51
100	22	20	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.100.20K	51
100	22	6	3.96	3.0	18°	ATB 10°	WOOD	Biscuit Joiner	★★★★	240.006.04	60
100	22	8	3.96	3.0	15°	ATB 10°	WOOD	Biscuit Joiner	★★★★	240.008.04	60
100	22	8	3.96	3.1 - 3.8	15°	FLAT	WOOD	Biscuit Joiner	★★★★	241.008.04	60
100	22	4	8.0	6.0	18°	-	WOOD	Biscuit Joiner	★★★★★	240.004.04	60
100.4	22	3	7.0	4.0	20°	TCG	WOOD	Grooving System	★★★★★	240.601.04	57
100.4	30	3	7.0	4.0	20°	TCG	WOOD	Grooving System	★★★★★	240.601.04M	57
100.4	22	6	7.0	4.0	20°	TCG	WOOD	Grooving System	★★★★	240.001.04	57
115	22.23 (+9.53+15.88)	-	-	-	-	-	MULTI-MATERIALS	Multi-Materials Carbide Wheel for Angle Grinder	-	286.115.01	10
115	22.23 (+9.53+15.88)	-	-	-	-	-	MULTI-MATERIALS	Multi-Materials Diamond Dry Wheel for Angle Grinder	-	286.115.61	10
115	9.5	24	1.5	1.0	20°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.115.24	29
120	20	18	1.8	1.2	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.120.18H	24
120	20	40	1.8	1.2	10°	ATB 15°	WOOD	Finishing	★★★★	292.120.40H	28
120	20	20	3.1-3.7	2.2	5°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.120.20H	47
120	20	12+12	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.120.24H	50
120	22	12+12	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.120.24K	50
120	50	12+12	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.120.24T	50
120	20	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.120.24H	51
120	20	24	2.8-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.121.24H	51
120	20	24	3.4-4.2	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.120.24H1	51
120	22	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.120.24K	51
120	20	24	4.0	3.0	10°	ATB 10°	WOOD	Grooving/Finish	★★★★	240.120.040H	58
120	20	36	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.120.36H	68
125	22.23 (+20+15.88)	-	-	-	-	-	MULTI-MATERIALS	Multi-Materials Carbide Wheel for Angle Grinder	-	286.125.01	10
125	22.23 (+20+15.88)	-	-	-	-	-	MULTI-MATERIALS	Multi-Materials Diamond Dry Wheel for Angle Grinder	-	286.125.61	10
125	22.23	7	2.0	1.4	5°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.125.07	11
125	20	20	2.4	1.4	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.125.20H	24
125	20	36	2.4	1.4	15°	ATB 15°	WOOD	Finishing	★★★★	292.125.36H	28
125	20	20	3.1-3.7	2.2	5°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.125.20H	47
125	20	12+12	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.125.24H	50
125	22	12+12	2.8-3.6	-	12°	FLAT	WOOD	Adjustable Scoring	★★★★★	289.125.24K	50
125	20	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.125.24H	51
125	20	24	3.4-4.2	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.125.24H1	51
125	20	24	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.125.24H2	51
125	22	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.125.24K	51
125	45	24	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.125.24Q	51
130	20	20	2.4	1.4	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.130.20H	24
130	20	36	2.4	1.4	15°	ATB 15°	WOOD	Finishing	★★★★	292.130.36H	28
136	20 (+10)	18	1.5	1.0	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.136.18H	25
136	20 (+10)	36	1.5	1.0	18°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.136.36H	29
136	20	18	1.5	1.0	15°	ATB 15°	WOOD	Contractor	★★	K13618H-X10	52
136	20 (+10)	56	1.5	1.2	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.136.56H	72
136	20 (+10+12.7)	30	1.5	1.2	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.030.05H	73
140	20	20	2.4	1.4	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.140.20H	24

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
140	20	24	1.8	1.2	15°	ATB 15° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.140.24H	25
140	20	36	2.4	1.4	15°	ATB 15°	WOOD	Finishing	★★★★	292.140.36H	28
140	20	42	1.8	1.2	5°	ATB 15° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.140.42H	29
140	20	48	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.140.48H	69
150	20	12	2.4	1.4	20°	ATB 10°	WOOD	Ripping	★★★★	290.150.12H	20
150	20 (+16)	24	2.4	1.4	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.150.24H	24
150	20 (+16)	24	1.5	1.0	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.150.24H	25
150	20	40	2.4	1.4	15°	ATB 15°	WOOD	Finishing	★★★★	292.150.40H	28
150	30	48	3.2	2.2	5°	ATB 15°	WOOD	Finishing	★★★★	285.048.06M	28
150	20 (+16)	40	1.5	1.0	16°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.150.40H	29
150	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.150.36Q	51
150	30	36	3.0	2.2	5°	ATB 5°	WOOD	Grooving/Finish	★★★★	240.150.030M	58
150	30	36	4.0	3.0	5°	ATB 5°	WOOD	Grooving/Finish	★★★★	240.150.040M	58
150	30	36	5.0	3.0	5°	ATB 5°	WOOD	Grooving/Finish	★★★★	240.150.050M	58
150	30	36	6.0	3.0	5°	ATB 5°	WOOD	Grooving/Finish	★★★★	240.150.060M	58
150	30	12	2.0	1.4	15°	FLAT	WOOD	Grooving	★★★★	240.020.06M	59
150	35	12	2.0	1.4	15°	FLAT	WOOD	Grooving	★★★★	240.020.06R	59
150	30	12	3.0	2.0	15°	FLAT	WOOD	Grooving	★★★★	240.030.06M	59
150	35	12	3.0	2.0	15°	FLAT	WOOD	Grooving	★★★★	240.030.06R	59
150	30	12	4.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.040.06M	59
150	35	12	4.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.040.06R	59
150	30	12	5.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.050.06M	59
150	35	12	5.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.050.06R	59
150	30	12	6.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.060.06M	59
150	35	12	6.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.060.06R	59
150	20	60	1.6	1.2	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.150.60H	72
150	20	32	1.6	1.2	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.032.06H	73
152	15.88	20	-	-	-12°	FLAT+ATB	WOOD	Dado Grooving	★★★★★	230.520.06	56
160	20	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.160.04H	11
160	20	10	2.4	1.8	5°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.160.10H	11
160	20	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	Demolition	★★★★★	286.760.24H	12
160	16	12	2.2	1.6	20°	ATB 10°	WOOD	Ripping	★★★★	290.160.12E	20
160	20 (+16)	12	2.2	1.6	20°	ATB 10°	WOOD	Ripping	★★★★	290.160.12H	20
160	20	24	2.2	1.6	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.160.24H	24
160	20	28	2.2	1.6	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.160.28H	24
160	30 (+16)	24	2.2	1.6	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.160.24M	24
160	20 (+16)	24	1.8	1.2	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.160.24H	25
160	20	40	2.2	1.6	10°	ATB 15°	WOOD	Finishing	★★★★	292.160.40H	28
160	30	40	2.2	1.6	10°	ATB 15°	WOOD	Finishing	★★★★	292.160.40M	28
160	20	48	2.2	1.6	5°	ATB 15°	WOOD	Finishing	★★★★	285.160.48H	28
160	20 (+16)	40	1.8	1.2	16°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.160.40H	29
160	20	48	2.2	1.6	5°	ATB 12°	WOOD	Fine Finishing	★★★★★	285.760.48H	30
160	20	48	1.8	1.2	5°	ATB 12°	WOOD	Fine Finishing	★★★★★	285.761.48H	30
160	20	56	2.2	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.160.56H	32
160	20 (+16)	56	1.8	1.2	12°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.160.56H	33
160	20	34	2.6	1.8	10°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.034.06H	35
160	20	48	2.2	1.6	4°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.760.48H	40
160	20	52	1.8	1.2	-5°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.761.52H	44
160	20 (Virutex®)	40	2.2	1.6	10°	TCG	WOOD	Laminate & Chipboard	★★★★	281.160.40H	45
160	20	48	2.2	1.6	5°	TCG	WOOD	Laminate & Chipboard	★★★★	281.160.48H	45
160	20	56	2.2	1.6	-3°	TCG	WOOD	Laminate & Chipboard	★★★★	281.161.56H	45
160	55	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.160.36O	47
160	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.160.36Q	51
160	55	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.160.36O	51

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
160	20	24	2.2	1.4	15°	ATB 15°	WOOD	Contractor	★★	K16024H	52
160	20	24	2.2	1.4	15°	ATB 15°	WOOD	Contractor	★★	K16024H-X10	52
160	20	40	2.2	1.4	15°	ATB 15°	WOOD	Contractor	★★	K16040H	52
160	20	40	2.2	1.4	15°	ATB 15°	WOOD	Contractor	★★	K16040H-X10	52
160	20	10	2.4	1.8	5°	TCG	WOOD	Contractor	★★	K160-10HD	53
160	20	20	2.2	1.6	10°	HR	WOOD	DP - Multi-Material - LONG LIFE	★★★★★	235.160.20H	62
160	20	48	2.2	1.6	0°	MTCG	MULTI-MATERIALS	Solid Surface	★★★★★	223.048.06H	63
160	20	24	2.2	1.6	5°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★	284.160.24H	65
160	20	52	2.2	1.8	-5°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	296.760.52H	66
160	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	296.761.52H	66
160	20	40	2.2	1.6	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.160.40H	68
160	20	56	2.2	1.6	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.160.56H	68
160	20 (+16)	48	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.160.48H	69
160	20 (+16)	60	2.0	1.6	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.160.60H	72
160	20	30	2.0	1.6	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.030.06H	73
160	20	40	1.8	1.4	0°	TCG	METAL & STEEL	Stainless Steel	★★★★	226.540.06H	74
165	20 (+15.88)	4	1.8	1.4	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★★	236.165.04H	11
165	20 (+15.88)	10	1.8	1.4	5°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★★	236.165.10H	11
165	20	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	Demolition	★★★★★	286.765.24H	12
165	20	24	2.2	1.6	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.165.24H	24
165	30	24	2.6	1.6	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.165.24M	24
165	20 (+15.88)	24	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.165.24H	25
165	30	24	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.165.24M	25
165	20 (+5/8")	48	1.8	1.2	10°	ATB 15°	WOOD	Finishing	★★★★★	251.348.06H	26
165	20	40	2.2	1.6	10°	ATB 15°	WOOD	Finishing	★★★★	292.165.40H	28
165	30	40	2.6	1.6	10°	ATB 15°	WOOD	Finishing	★★★★	292.165.40M	28
165	20 (+15.88)	36	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.165.36H	29
165	20	56	2.2	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.165.56H	32
165	20 (+15.88)	56	1.6	1.0	12°	ATB 15° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.165.56H	33
165	20	52	1.8	1.2	-5°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.766.52H	44
165	20	56	2.2	1.6	-3°	TCG	WOOD	Laminate & Chipboard	★★★★	281.166.56H	45
165	20	24	1.7	1.1	15°	ATB 15°	WOOD	Contractor	★★	K16524H	52
165	20	24	1.7	1.1	15°	ATB 15°	WOOD	Contractor	★★	K16524H-X10	52
165	20	40	1.7	1.1	15°	ATB 15°	WOOD	Contractor	★★	K16540H-X10	52
165	20	40	2.2	1.6	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.165.40H	68
165	20	56	2.2	1.6	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.165.56H	68
165	20 (+15.88)	56	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.165.56H	69
165	20 (+15.88)	60	1.6	1.2	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.165.60H	72
165	15.88	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.036.06	73
165	20	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.036.06H	73
165	30	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.036.06M	73
168	20	10	1.8	1.2	5°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.168.10H	11
168	20	28	1.8	1.2	15°	ATB 15° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.168.28H	25
168	20	42	1.8	1.2	10°	ATB 15° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.168.42H	29
168	20	48	1.8	1.2	5°	ATB 12°	WOOD	Fine Finishing	★★★★★	285.768.48H	30
168	20	52	1.8	1.2	-5°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.768.52H	44
168	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	296.768.52H	66
168	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.168.52H	69
170	30	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.170.24M	24
170	30	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.170.40M	28
180	20	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.180.04H	11
180	40	21+3	2.5	1.8	18°	FLAT	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.021.07S	14
180	30	12	2.6	1.6	20°	ATB 10°	WOOD	Ripping	★★★★	290.180.12M	20
180	20	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.180.24H	24

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
180	30	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.180.24M	24
180	20	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.180.40H	28
180	30	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.180.40M	28
180	30	56	3.2	2.2	5°	ATB 15°	WOOD	Finishing	★★★★	285.056.07M	28
180	30	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.180.36M	47
180	45	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.180.36Q2	47
180	45	36	4.7-5.6	3.5	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.180.36Q	47
180	30	36	4.5-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.180.36M	51
180	45	36	4.3-5.5	3.2	8°	CO + ATB 5°	WOOD	Conical Scoring	★★★★★	288.180.36Q2	51
180	45	36	4.7-6.0	3.5	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.180.36Q	51
180	50	44	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.180.44T	51
180	55	36	5.0-6.2	3.5	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.180.360	51
180	30	18	3.0	2.0	15°	FLAT	WOOD	Grooving	★★★★	240.030.07M	59
180	35	18	3.0	2.0	15°	FLAT	WOOD	Grooving	★★★★	240.030.07R	59
180	30	18	4.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.040.07M	59
180	35	18	4.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.040.07R	59
180	30	18	5.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.050.07M	59
180	35	18	5.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.050.07R	59
180	30	18	6.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.060.07M	59
180	35	18	6.0	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.060.07R	59
180	30	18	6.35	3.0	15°	FLAT	WOOD	Grooving	★★★★	240.064.07M	59
180	20	40	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.180.40H	68
184	16	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.184.24E	24
184	30	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.184.24M	24
184	20 (+16+15.88)	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.184.24H	25
184	30	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.184.24M	25
184	16	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.184.40E	28
184	30	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.184.40M	28
184	20	40	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.184.40H	29
184	30	40	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.184.40M	29
184	20 (+16)	24	1.7	1.1	15°	ATB 15°	WOOD	Contractor	★★	K18424H-X10	52
184	20 (+16+15.88)	48	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.184.48H	69
184	30 (+16+20)	64	2.0	1.6	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.184.64M	72
184	15.88	48	2.0	1.6	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.048.07	73
184	15.88	48	2.0	1.6	0°	TCG	METAL & STEEL	Stainless Steel	★★★★	226.548.07	74
190	30	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.190.04M	11
190	30	12	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.190.12M	11
190	30	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	Demolition	★★★★★	286.790.24M	12
190	30 (+16+20)	12	2.6	1.6	20°	ATB 10°	WOOD	Ripping	★★★★	290.190.12M	20
190	16	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.190.24E	24
190	20	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.190.24H	24
190	30	24	2.6	1.6	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.190.24M	24
190	20 (FESTOOL® FF)	32	2.6	1.8	10°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.190.32FF	24
190	30 (+20+16)	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.190.24M	25
190	20 (+16)	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.190.40H	28
190	30	40	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.190.40M	28
190	20 (FESTOOL® FF)	48	2.4	1.8	10°	ATB 15°	WOOD	Finishing	★★★★	292.190.48FF	28
190	30 (+20+16)	42	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.190.42M	29
190	20 (FESTOOL® FF)	48	2.4	1.8	8°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.790.48FF	30
190	30	64	2.6	1.6	15°	ATB 15°	WOOD	Finishing	★★★★	292.190.64M	32
190	20 (+15.88)	64	1.7	1.1	15°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.190.64M	33
190	20 (FESTOOL® FF)	54	2.6	1.8	4°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.790.54FF	40
190	30	54	2.6	1.6	4°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.790.54M	44
190	30	24	2.2	1.4	20°	ATB 10°	WOOD	Contractor	★★	K19024M	52

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
190	30	24	2.2	1.4	20°	ATB 10°	WOOD	Contractor	★★	K19024M-X10	52
190	30	24	2.5	2	10°	HR	WOOD	DP - Multi-Material - LONG LIFE	★★★★★	235.190.24M	62
190	30	30	2.6	2.2	5°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★	284.190.30M	65
190	30	40	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.190.40M	68
190	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.190.64M	68
190	20 (FESTOOL® FF)	64	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.190.64FF	68
190	30 (+20+16)	64	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.190.64M	69
190	30 (+20)	64	2.0	1.6	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.190.64M	72
190	30	40	2.0	1.6	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.040.07M	73
190	30	48	1.8	1.4	0°	TCG	METAL & STEEL	Stainless Steel	★★★★	226.548.07M	74
200	40	21+3	2.5	1.8	18°	FLAT	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.021.08S	14
200	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.200.24M	20
200	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.200.36M	24
200	30	36	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.036.08M	24
200	30	36	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.200.36M	25
200	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.200.48M	28
200	30	48	3.2	2.2	15°	ATB 15°	WOOD	Finishing	★★★★	285.048.08M	28
200	30	48	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.200.48M	29
200	30	64	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★	285.064.08M	32
200	30	64	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard	★★★★	281.064.08M	45
200	20	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.200.36H	47
200	45	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.200.36Q2	47
200	45	36	4.7-5.6	3.5	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.200.36Q	47
200	65	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.200.36J	47
200	80	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.200.36W	47
200	20	36	4.4-5.3	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.200.36H	51
200	45	36	4.7-6.0	3.5	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.200.36Q	51
200	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	Y288.200.36Q2	51
200	65	36	4.4-5.3	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.200.36J	51
200	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.200.48M	68
200	32	160	1.8	-	-	BW	METAL & STEEL	Metal & Steel	-	227.200.160P	71
200	32	0	1.8	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.200P	71
203	15.88	12	-	-	-12°	FLAT+ATB	WOOD	LOCKED Dado Pro - Z12	★★★★★	230.312.08	54
203	30	12	-	-	-12°	FLAT+ATB	WOOD	LOCKED Dado Pro - Z12	★★★★★	230.312.08M	54
203	15.88	24+24	-	-	-12°	FLAT+ATB	WOOD	LOCKED Precision Dado - Z24 - LONG LIFE	★★★★★	230.324.08	55
203	15.88	24	-	-	-12°	FLAT+ATB	WOOD	Dado Grooving	★★★★★	230.524.08	56
203	15.88	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.048.08	73
210	30	12	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.210.12M	11
210	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.210.24M	20
210	25	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.210.36L	24
210	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.210.36M	24
210	30 (+25)	24	1.8	1.2	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.210.24M	25
210	30 (+25)	36	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.210.36M	25
210	25	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.210.48L	28
210	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.210.48M	28
210	30 (+25)	48	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.210.48M	29
210	30	64	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.210.64M	32
210	30	60	2.6	1.6	-3°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.810.60M	44
210	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.210.48M	68
210	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.210.64M	68
210	30 (+25)	64	1.8	1.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.210.64M	69
210	30	64	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.210.64M	72
210	30 (+25.4+15.88)	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.048.08M	73
215	50	42	4.3-5.5	3.2	8°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.215.42T	51

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
216	30	14	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.216.14M	11
216	30	24	2.8	1.8	-5°	ATB 15°	WOOD	Ripping	★★★★	290.216.24M	20
216	30	48	2.8	1.8	-5°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.216.48M	24
216	30	36	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.216.36M	25
216	30	48	2.3	1.6	-5°	ATB 15°	WOOD	Finishing	★★★★★	285.816.48M	26
216	30	64	2.8	1.8	-5°	ATB 15°	WOOD	Finishing	★★★★	292.216.64M	28
216	30	48	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.216.48M	29
216	30	60	2.3	1.6	-5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.816.60M	30
216	30	80	2.8	1.8	-5°	ATB 15°	WOOD	Finishing	★★★★	292.216.80M	32
216	30	64	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.216.64M	33
216	30	64	2.6	1.6	-3°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.816.64M	44
216	30	24	2.4	1.6	-5°	ATB 15°	WOOD	Contractor	★★	K21624M	52
216	30	24	2.4	1.6	-5°	ATB 15°	WOOD	Contractor	★★	K21624M-X10	52
216	30	48	2.4	1.6	-5°	ATB 15°	WOOD	Contractor	★★	K21648M	52
216	30	48	2.4	1.6	-5°	ATB 15°	WOOD	Contractor	★★	K21648M-X10	52
216	30	30	2.5	2.0	10°	HR	WOOD	DP - Multi-Material - LONG LIFE	★★★★★	235.216.30M	62
216	30	40	2.6	2.2	5°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★	284.216.40M	65
216	30	64	2.3	1.6	0°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.816.64M	66
216	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	297.064.09M	68
216	30	80	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	297.080.09M	68
216	30	64	2.2	1.6	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.216.64M	69
216	30	64	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.216.64M	72
216	30	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.047.09M	73
216	30	56	1.8	1.4	0°	TCG	METAL & STEEL	Stainless Steel	★★★★	226.556.09M	74
220	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.220.24M	20
220	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.220.36M	24
220	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.220.48M	28
220	30	42	3.2	2.2	-6°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - NEGATIVE	★★★★	287.043.09M	34
220	30	42	3.2	2.2	10°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.042.09M	35
220	30	48	3.3	2.2	5°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.048.09M	35
220	30	64	3.2	2.2	-5°	Hi-ATB 40°	WOOD	Ultra Fine Finishing	★★★★	283.064.09M	37
220	30	63	3.2	2.2	-3°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - NEGATIVE	★★★★	281.063.09M	43
220	30	64	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard	★★★★	281.064.09M	45
225	30	36	2.8	1.8	20°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.225.36M	24
225	30	48	2.6	1.8	10°	ATB 15°	WOOD	Finishing	★★★★★	285.825.48M	26
225	30	48	2.8	1.8	10°	ATB 15°	WOOD	Finishing	★★★★	292.225.48M	28
225	30	64	2.6	1.8	4°	TCG	WOOD	Laminate & Chipboard	★★★★	281.225.64M	45
225	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.225.64M	68
225	32	180	1.9	-	-	BW	METAL & STEEL	Metal & Steel	-	227.225.180P	71
225	32	0	1.9	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.225P	71
230	22.23	-	-	-	-	-	MULTI-MATERIALS	Multi-Materials Carbide Wheel for Angle Grinder	-	286.230.01	10
230	30	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.230.04M	11
230	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.230.24M	20
230	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.230.36M	24
230	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.230.48M	28
230	30	64	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.230.64M	32
230	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.230.48M	68
235	25	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.235.24L	20
235	30 (+25)	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.235.24M	20
235	25	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.235.36L	24
235	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.235.36M	24
235	25	36	1.7	1.2	20°	FTG+ATB 15°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.235.36L	25
235	30 (+25)	36	2.4	1.6	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.235.36M	25
235	25	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.235.48L	28

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
235	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.235.48M	28
235	30 (+25)	48	2.4	1.6	12°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.235.48M	29
235	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★	296.235.48M	68
235	30	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.048.09M	73
240	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.240.24M	20
240	30	36	2.8	1.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.240.36M	24
240	30	48	2.8	1.8	15°	ATB 15°	WOOD	Finishing	★★★★	292.240.48M	28
250	30	16	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.250.16M	11
250	30	16	2.8	1.8	15°	ATB 5°	WOOD	Construction	★★★★	286.016.10M	13
250	70	20+4	2.7	1.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.020.10V	14
250	80	20+4	2.7	1.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.020.10W	14
250	30	20+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.020.10M	16
250	70	20+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.020.10V	16
250	80	20+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.020.10W	16
250	30	24	3.2	2.2	10°	FLAT	WOOD	Ripping	★★★★★	285.624.10M	18
250	30	24	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.250.24M	20
250	30	24	2.4	1.6	20°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.250.24M	21
250	30	40	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.640.10M	22
250	30	40	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.040.10M	23
250	35	40	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.040.10R	23
250	30	48	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.048.10M	23
250	30	42	2.4	1.6	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.250.42M	25
250	30	60	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★★	285.660.10M	26
250	30	60	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★★	285.060.10M	27
250	35	60	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★	285.060.10R	27
250	30	50	2.4	1.6	15°	4 ATB 10°+ 1 FLAT + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.250.50M	29
250	30	60	2.4	1.6	15°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.250.60M	29
250	30	80	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.680.10M	30
250	30	80	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.080.10M	31
250	35	80	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★	285.080.10R	31
250	30	80	2.4	1.6	12°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.250.80M	33
250	30	48	3.2	2.2	-6°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - NEGATIVE	★★★★	287.049.10M	34
250	30	48	3.2	2.2	10°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.048.10M	35
250	30	60	3.3	2.2	5°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.060.10M	35
250	30	80	3.2	2.2	-2°	Hi-ATB 38°	WOOD	Ultra Fine Finishing	★★★★★	283.680.10M	36
250	30	80	3.2	2.2	-2°	Hi-ATB 38°	WOOD	Ultra Fine Finishing	★★★★★	283.080.10M	37
250	30	80	3.0	2.5	10°	ATB 20°	WOOD	Ultra Fine Finishing - FRAMES	★★★★★	285.580.10M	38
250	30	80	3.2	2.2	15°	1 FLAT + 4 ATB	WOOD	Ultra Fine Finishing - LONG LIFE SHARPENING	★★★★	274.080.10M	39
250	30	80	3.2	2.2	5°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.680.10M	40
250	30	60	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★	281.060.10M	41
250	30	80	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.080.10M	41
250	30	78	3.2	2.2	10°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - POSITIVE	★★★★	295.078.10M	42
250	30	60	3.2	2.2	-3°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - NEGATIVE	★★★★	281.061.10M	43
250	30	80	3.2	2.2	-3°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.681.10M	44
250	30	48	3.2	2.2	10°	TCG	WOOD	DP - Laminate & Chipboard - LONG LIFE	★★★★★	237.048.10M	46
250	30	40	2.6	1.8	15°	ATB 10°	WOOD	Contractor	★★	K25040M-X05	52
250	30	60	2.4	1.6	15°	ATB 10°	WOOD	Contractor	★★	K25060M	52
250	25.4 (+20)	20	2.0	1.4	2°	ATB 8°	WOOD	Clearing grass, bushes, small trees	★★★★	298.250.20	61
250	25.4 (+20)	40	2.0	1.4	2°	ATB 8°	WOOD	Clearing grass, bushes, small trees	★★★★	298.250.40	61
250	30	36	2.5	2.0	10°	HR	WOOD	DP - Multi-Material - LONG LIFE	★★★★★	235.250.36M	62
250	30	72	3.2	2.5	0°	MTCG	MULTI-MATERIALS	Solid Surface	★★★★★	223.072.10M	63
250	30	80	2.8	2.2	-3°	MATB	MULTI-MATERIALS	Plastics	★★★★★	222.080.10M	63
250	32	80	3.2	2.5	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.080.10P	64
250	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.080.10M	67

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
250	32	80	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.080.10P	67
250	30	80	2.6	1.8	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.250.80M	69
250	32	128	2.0	-	-	C/HZ	METAL & STEEL	Metal & Steel	-	227.250.128P	70
250	32	160	2.0	-	-	BW	METAL & STEEL	Metal & Steel	-	227.250.160P	71
250	32	200	2.0	-	-	BW	METAL & STEEL	Metal & Steel	-	227.250.200P	71
250	32	200	2.0	-	-	BW	METAL & STEEL	Metal & Steel	-	227.250.700P	71
250	32	0	2.0	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.250P	71
250	30	72	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.572.10M	74
254	30	48	2.4	1.8	-5°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	294.048.10M	23
254	30	60	2.4	1.8	-5°	ATB 15°	WOOD	Finishing	★★★★★	294.060.10M	27
254	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.081.10M	67
254	25.4 (+15.88)	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.060.10	72
254	30	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.060.10M	72
254	25.4 (+15.88)	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.048.10	73
254	25.4 (+15.88)	72	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.572.10	74
260	30	28	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.260.28M	20
260	30	48	2.8	1.8	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.048.11M	24
260	30	60	2.5	1.8	-5°	ATB 10°	WOOD	Finishing	★★★★★	285.860.11M	26
260	30	60	2.8	1.8	10°	ATB 15°	WOOD	Finishing	★★★★	285.060.11M	28
260	30	60	2.5	1.8	-5°	ATB 15°	WOOD	Finishing	★★★★	294.060.11M	28
260	30	80	2.5	1.8	-5°	ATB 15°	WOOD	Fine Finishing	★★★★	294.080.11M	32
260	30	64	2.5	1.8	-3°	TCG	WOOD	Laminate & Chipboard	★★★★	281.065.11M	45
260	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.080.11M	67
270	30	28	2.8	1.8	20°	ATB 10°	WOOD	Ripping	★★★★	290.270.28M	20
270	30	42	2.8	1.8	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	291.270.42M	24
275	20	42	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.042.11H	23
275	32	140	2.5	-	-	C/HZ	METAL & STEEL	Metal & Steel	-	227.275.140P	70
275	32	220	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.275.220P	71
275	32	220	2.0	-	-	BW	METAL & STEEL	Metal & Steel	-	227.275.722P	71
275	32	220	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.275.720P	71
275	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.275P	71
280	30	64	2.8	1.8	10°	ATB 15°	WOOD	Finishing	★★★★	295.064.11M	27
280	30	64	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.064.11M	67
300	30	20	2.4	1.8	12°	TCG	MULTI-MATERIALS	DP - Ultra-Hard Materials - LONG LIFE	★★★★	236.300.20M	11
300	30	20	2.8	1.8	15°	ATB 5°	WOOD	Construction	★★★★	286.020.12M	13
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	Construction	★★★★	286.048.12M	13
300	70	24+4	2.7	1.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.024.12V	14
300	80	24+4	2.7	1.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THIN KERF	★★★★	280.024.12W	14
300	30	24+4	4.0	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THICK KERF	★★★★	277.024.12M	15
300	70	24+4	4.0	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THICK KERF	★★★★	277.024.12V	15
300	80	24+4	4.0	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THICK KERF	★★★★	277.024.12W	15
300	30	24+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.024.12M	16
300	60	24+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.024.12U	16
300	70	24+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.024.12V	16
300	80	24+4	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.024.12W	16
300	30	28	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip	★★★★★	278.028.12M	17
300	70	28	3.2	2.2	18°	ATB 10°	WOOD	Multi-Rip	★★★★★	278.028.12V	17
300	30	24	3.2	2.2	20°	ATB 10°	WOOD	Ripping	★★★★	293.024.12M	19
300	35	24	3.2	2.2	20°	ATB 10°	WOOD	Ripping	★★★★	293.024.12R	19
300	30	24	2.6	1.8	22°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.300.24M	21
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.648.12M	22
300	30	36	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.036.12M	23
300	20	48	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.048.12H	23
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.048.12M	23

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300	35	48	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.048.12R	23
300	30	48	2.6	1.8	18°	ATB 10° + Shear 8°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.300.48M	25
300	30	72	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★★	285.672.12M	26
300	30	60	3.2	2.2	15°	ATB 10°	WOOD	Finishing	★★★★★	285.060.12M	27
300	30	72	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★★	285.072.12M	27
300	35	72	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★	285.072.12R	27
300	30	72	2.6	1.8	15°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.300.72M	29
300	30	96	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.696.12M	30
300	30	96	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.096.12M	31
300	35	96	3.2	2.2	5°	ATB 15°	WOOD	Fine Finishing	★★★★	285.096.12R	31
300	30	96	2.6	1.8	12°	ATB 10° + Shear 8°	WOOD	Fine Finishing - THIN KERF	★★★★	273.300.96M	33
300	30	72	3.3	2.2	5°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.072.12M	35
300	30	96	3.2	2.2	2°	Hi-ATB 38°	WOOD	Ultra Fine Finishing	★★★★★	283.696.12M	36
300	30	96	4.2	3.2	2°	Hi-ATB 38°	WOOD	Ultra Fine Finishing	★★★★★	283.096.12M	37
300	30	96	3.0	2.5	10°	ATB 20°	WOOD	Ultra Fine Finishing - FRAMES	★★★★★	285.596.12M	38
300	30	100	3.2	2.2	15°	1 FLAT + 4 ATB	WOOD	Ultra Fine Finishing - LONG LIFE SHARPENING	★★★★	274.100.12M	39
300	30	72	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.672.12M	40
300	30	96	3.2	2.2	5°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.696.12M	40
300	30	72	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.072.12M	41
300	30	96	3.2	2.2	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.096.12M	41
300	30	96	3.2	2.2	10°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - POSITIVE	★★★★	295.096.12M	42
300	30	72	3.2	2.2	-3°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - NEGATIVE	★★★★	281.073.12M	43
300	30	96	3.2	2.2	-3°	TCG	WOOD	Laminate & HPL - NEGATIVE	★★★★★	281.697.12M	44
300	30	60	3.2	2.2	10°	TCG	WOOD	DP - Laminate & Chipboard - LONG LIFE	★★★★★	237.060.12M	46
300	30	96	3.2	2.2	15°	TCG	WOOD	DP - Laminate & Chipboard - LONG LIFE	★★★★★	237.096.12M	46
300	65	48	4.3-5.2	3.2	8°	CO + FLAT	WOOD	DP - Conical Scoring - LONG LIFE	★★★★★	238.300.48J	47
300	75	60	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.060.12X	48
300	30	60	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.300.60M	49
300	80	60	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.300.60W	49
300	50	48	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.300.48T	51
300	65	72	4.3-5.5	3.2	10°	CO + FLAT	WOOD	Conical Scoring	★★★★★	288.300.72J	51
300	30	72	2.6	1.8	18°	ATB 10°	WOOD	Contractor	★★	K30072M	52
300	30	44	2.5	2.0	10°	HR	WOOD	DP - Multi-Material - LONG LIFE	★★★★★	235.300.44M	62
300	30	84	3.2	2.5	0°	MTCG	MULTI-MATERIALS	Solid Surface	★★★★★	223.084.12M	63
300	30	96	2.8	2.2	-3°	MATB	MULTI-MATERIALS	Plastics	★★★★★	222.096.12M	63
300	32	96	3.2	2.5	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.096.12P	64
300	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.12M	67
300	32	96	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.12P	67
300	30	96	2.8	2.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★★	276.300.96M	69
300	32	160	2.5	-	-	C/HZ	METAL & STEEL	Metal & Steel	-	227.300.160P	70
300	32	220	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.300.220P	71
300	32	220	2.0	-	-	BW	METAL & STEEL	Metal & Steel	-	227.300.722P	71
300	32	220	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.300.720P	71
300	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.300P	71
300	30	80	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.580.12M	74
303	30	60	3.2	2.2	-6°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - NEGATIVE	★★★★	287.061.12M	34
303	30	60	3.2	2.2	10°	HDF	WOOD	Fine Finishing - DOUBLE SIDED - POSITIVE	★★★★	287.060.12M	35
305	30	28	3.2	2.2	20°	ATB 10°	WOOD	Ripping	★★★★	293.028.22M	19
305	30	54	2.8	1.8	-5°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	294.054.22M	23
305	30	48	2.6	1.8	-5°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.305.48M	25
305	30	72	3.2	2.2	10°	ATB 15°	WOOD	Finishing	★★★★★	285.072.22M	27
305	30	72	3.2	2.2	-5°	ATB 15°	WOOD	Finishing	★★★★★	294.072.22M	27
305	30	72	2.6	1.8	-5°	ATB 10° + Shear 8°	WOOD	Finishing - THIN KERF	★★★★	272.305.72M	29
305	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.13M	67

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305	30	96	2.8	2.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine - THIN KERF	★★★★	276.305.96M	69
305	25	80	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.080.12	72
305	30	80	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.080.12M	72
305	25	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.060.12	73
305	25.4	80	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.580.12	74
315	30	24	3.2	2.2	15°	ATB 5°	WOOD	Construction	★★★★	286.024.13M	13
315	30	28	3.2	2.2	20°	ATB 10°	WOOD	Ripping	★★★★	293.028.12M	19
315	30	36	3.2	2.2	15°	ATB 5°	WOOD	Ripping	★★★★	285.036.13M	19
315	30	54	3.2	2.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	294.054.12M	23
315	30	54	2.6	1.8	-5°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose] - THIN KERF	★★★★	271.315.54M	25
315	30	72	3.2	2.2	15°	ATB 10°	WOOD	Finishing	★★★★★	285.072.13M	27
315	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.23M	67
315	32	160	2.5	-	-	C/HZ	METAL & STEEL	Metal & Steel	-	227.315.160P	70
315	32	240	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.315.240P	71
315	32	240	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.315.740P	71
315	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.315P	71
320	65	60	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	Y282.060.13J	48
320	65	60	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.320.60J	49
320	65	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.320.72J	49
330	30	96	3.6	3.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.33M	67
330	32	96	3.6	3.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.096.33P	67
350	30	24	3.2	2.2	15°	ATB 5°	WOOD	Construction	★★★★	286.024.14M	13
350	30	24+6	4.2	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THICK KERF	★★★★	277.024.14M	15
350	70	24+6	4.2	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers - THICK KERF	★★★★	277.024.14V	15
350	30	28+4	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.028.14M	16
350	60	28+4	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.028.14U	16
350	70	28+4	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★★	279.028.14V	16
350	80	28+4	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.028.14W	16
350	30	36	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip	★★★★★	278.036.14M	17
350	70	36	3.5	2.5	18°	ATB 10°	WOOD	Multi-Rip	★★★★★	278.036.14V	17
350	30	28	3.5	2.5	20°	ATB 10°	WOOD	Ripping	★★★★	293.028.14M	19
350	35	28	3.5	2.5	20°	ATB 10°	WOOD	Ripping	★★★★	293.028.14R	19
350	30	54	3.5	2.5	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.654.14M	22
350	30	54	3.5	2.5	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.054.14M	23
350	35	54	3.5	2.5	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.054.14R	23
350	30	84	3.5	2.5	10°	ATB 15°	WOOD	Finishing	★★★★★	285.684.14M	26
350	30	72	3.5	2.5	15°	ATB 10°	WOOD	Finishing	★★★★★	285.072.14M	27
350	30	84	3.5	2.5	10°	ATB 15°	WOOD	Finishing	★★★★★	285.084.14M	27
350	35	84	3.5	2.5	10°	ATB 15°	WOOD	Finishing	★★★★	285.084.14R	27
350	30	108	3.5	2.5	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.708.14M	30
350	30	108	3.5	2.5	5°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.108.14M	31
350	35	108	3.5	2.5	5°	ATB 15°	WOOD	Fine Finishing	★★★★	285.108.14R	31
350	30	108	3.5	2.5	5°	Hi-ATB 38°	WOOD	Ultra Fine Finishing	★★★★★	283.108.14M	37
350	30	84	3.5	2.5	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.684.14M	40
350	30	108	3.5	2.5	5°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.708.14M	40
350	30	84	3.5	2.5	10°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★	281.084.14M	41
350	30	108	3.5	2.5	5°	TCG	WOOD	Laminate & Chipboard - POSITIVE	★★★★★	281.108.14M	41
350	30	108	3.5	2.5	10°	FFT	WOOD	Laminate & Chipboard - LONG LIFE SHARPENING - POSITIVE	★★★★	295.108.14M	42
350	30	72	3.5	2.4	15°	TCG	WOOD	DP - Laminate & Chipboard - LONG LIFE	★★★★★	237.072.14M	46
350	30	54	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.054.14M	48
350	30	108	3.5	2.5	10°	TCG	WOOD	Panel Sizing	★★★★	281.108.14M	48
350	50	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.14T	48
350	75	54	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.054.14X	48
350	80	54	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.054.14W	48

Saw Blade Index

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
350	30	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.350.72M	49
350	60	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.350.72U	49
350	75	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.350.72X	49
350	80	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.350.72W	49
350	32	84	3.6	3.0	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.092.14P	64
350	32	108	3.6	3.0	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.108.14P	64
350	30	108	3.6	3.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.108.14M	67
350	32	108	3.6	3.0	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.108.14P	67
350	32	180	2.5	-	-	C/HZ	METAL & STEEL	Metal & Steel	-	227.350.180P	70
350	32	280	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.350.280P	71
350	32	280	2.5	-	-	BW	METAL & STEEL	Metal & Steel	-	227.350.780P	71
350	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	Metal & Steel	-	227.350P	71
355	30	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	S282.03556	48
355	80	72	4.4	3.2	10°	TCG	WOOD	Panel Sizing	★★★★	282.072.14W2	48
355	65	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.355.72J	49
355	25	90	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.090.14	72
355	30	90	2.2	1.8	0°	FWF 8°	METAL & STEEL	THIN - Metal & Steel	★★★★	226.090.14M	72
355	25	72	2.2	1.8	0°	FWF 8°	METAL & STEEL	MEDIUM/THICK - Metal & Steel	★★★★	226.072.14	73
355	30	90	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.590.14M	74
355	25.4	90	2.2	1.8	0°	FWF 10°	METAL & STEEL	Stainless Steel	★★★★	226.590.14	74
380	60	72	4.8	3.5	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.15U	48
380	60	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing	★★★★	282.072.15U2	48
380	80	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.15W	48
380	60	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.380.72U2	49
380	60	72	4.8	3.5	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.380.72U	49
380	80	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.380.72W	49
400	30	28	3.2	2.2	15°	ATB 5°	WOOD	Construction	★★★★	286.028.16M	13
400	30	28+6	4.0	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.028.16M	16
400	70	28+6	4.0	2.8	18°	ATB 10°	WOOD	Multi-Rip with Rakers	★★★★	279.028.16V	16
400	30	36	3.5	2.5	20°	ATB 10°	WOOD	Ripping	★★★★	285.036.16M	19
400	30	60	3.5	2.5	10°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.660.16M	22
400	30	48	3.5	2.5	20°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.048.16M	23
400	30	60	3.5	2.5	10°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★★	285.060.16M	23
400	30	96	3.5	2.5	10°	ATB 15°	WOOD	Finishing	★★★★★	285.696.16M	26
400	30	96	3.5	2.5	10°	ATB 15°	WOOD	Finishing	★★★★★	285.096.16M	27
400	30	120	3.5	2.5	10°	ATB 15°	WOOD	Fine Finishing	★★★★★	285.120.16M	31
400	30	60	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.060.16M	48
400	60	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.16U	48
400	75	60	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.060.16X	48
400	80	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.16W	48
400	30	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.400.72M	49
400	75	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.400.72X	49
400	80	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.400.72W	49
400	32	96	4.0	3.2	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.096.16P	64
400	30	120	4.0	3.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.120.16M	67
400	32	96	4.0	3.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.108.16P	67
400	32	120	4.0	3.2	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.120.16P	67
420	80	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing	★★★★	282.072.17W	48
420	32	96	3.8	3.2	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.096.17P	64
430	75	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.17X	48
430	80	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.17W2	48
430	65	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.430.72J	49
450	30	32	3.8	2.8	15°	ATB 5°	WOOD	Construction	★★★★	286.032.18M	13
450	30	36	3.8	2.8	20°	ATB 10°	WOOD	Ripping	★★★★	285.036.18M	19

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	DESCRIPTION	PERFORMANCE	ORDER NO.	PAGE
450	30	54	3.8	2.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.054.18M	23
450	30	66	3.8	2.8	10°	ATB 15°	WOOD	Finishing	★★★★	285.066.18M	27
450	30	72	4.4	3.2	16°	TCG	WOOD	Panel Sizing	★★★★	Y282.072.18M2	48
450	60	72	4.8	3.5	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.18U	48
450	80	72	4.8	3.5	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.18W2	48
450	30	72	4.4	3.2	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.450.72M	49
450	60	72	4.8	3.5	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.450.72U	49
450	30	108	4.2	3.5	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.108.18M	64
450	32	108	4.2	3.5	6°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.108.18P	64
450	30	96	4.2	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.108.18M	67
450	30	120	4.2	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	Y297.140.18M	67
450	32	96	4.2	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.108.18P	67
450	32	120	4.2	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.120.18P	67
500	30	36	3.8	2.8	15°	ATB 5°	WOOD	Construction	★★★★	286.036.20M	13
500	30	44	4.0	2.8	20°	ATB 10°	WOOD	Ripping	★★★★	285.044.20M	19
500	30	60	3.8	2.8	15°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.060.20M	23
500	30	72	3.8	2.8	10°	ATB 15°	WOOD	Finishing	★★★★	285.072.20M	27
500	60	72	4.8	3.5	16°	TCG	WOOD	Panel Sizing	★★★★	282.072.20U	48
500	30	120	4.3	3.5	10°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.120.20M	64
500	32	120	4.3	3.5	10°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.120.20P	64
500	30	120	4.3	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.120.20M	67
500	32	120	4.3	3.5	-6°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	297.120.20P	67
520	70	60	4.8	3.5	15°	TCG	WOOD	Panel Sizing - DPX	★★★★★	282.520.60V	49
550	30	40	4.2	3.2	15°	ATB 5°	WOOD	Construction	★★★★	286.040.22M	13
550	30	60	4.2	3.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.060.22M	23
550	30	96	4.2	3.2	10°	ATB 15°	WOOD	Finishing	★★★★	285.096.22M	27
550	30	132	4.3	3.5	10°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.132.22M	64
550	32	132	4.3	3.5	10°	TCG	NON-FERROUS	Non-Ferrous & Plastics	★★★★★	284.132.22P	64
550	32	148	4.3	3.5	5°	TCG	NON-FERROUS	Non-Ferrous & Melamine	★★★★★	Y297.148.22P	67
600	30	40	4.2	3.2	15°	ATB 5°	WOOD	Construction	★★★★	286.040.24M	13
600	30	66	4.2	3.2	15°	ATB 10°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.066.24M	23
700	30	46	4.4	3.2	15°	ATB 5°	WOOD	Construction	★★★★	286.046.28M	13
700	30	72	4.4	3.2	10°	ATB 15°	WOOD	Ripping & Crosscut [General Purpose]	★★★★	285.072.28M	23



DIAMETER		WOOD NON-FERROUS	METAL & STEEL
mm	inches	MAX RPM	MAX RPM
50	2	30000	7500
70	-	21800	7500
80	-	19000	7500
85	3-3/8	18000	7500
86			
100	4	15300	7500
100.4			
115	4-1/2	13500	6000
120	-	12700	6000
125	-	11800	6000
130			
136	5-3/8	11300	6000
140	5-1/2	11000	6000
150	6	10000	6000
152			
160	6-1/2	9500	6000
165			
168			
170	6-3/4	9000	6000
178	7	8500	6000
180			
184	7-1/4	8300	6000
190	-	8000	6000
200	8	9500	4500
203			
210	8-1/4	9000	4500
215	8-1/2		
216			
220	9	8500	3500
225			
230			
235	-	8100	3500
240	-	8000	3000
250	10	7600	3000
254			
260	10-1/4	7300	3000
270	-	7100	3000
275	-	6800	3000
280			
300	12	6400	2000
303			
305			
315	-	6100	2000
320	-	6000	2000
330	-	5800	2000
350	14	5500	2000
355			
380	-	5000	1500
400	16	4800	1500
406			
420	-	4600	1500
430	-	4400	1500
450	-	4200	1500
500	-	3800	1000
520	-	3600	1000
550	-	3500	1000
600	-	3200	1000
700	-	2700	1000

WARNING

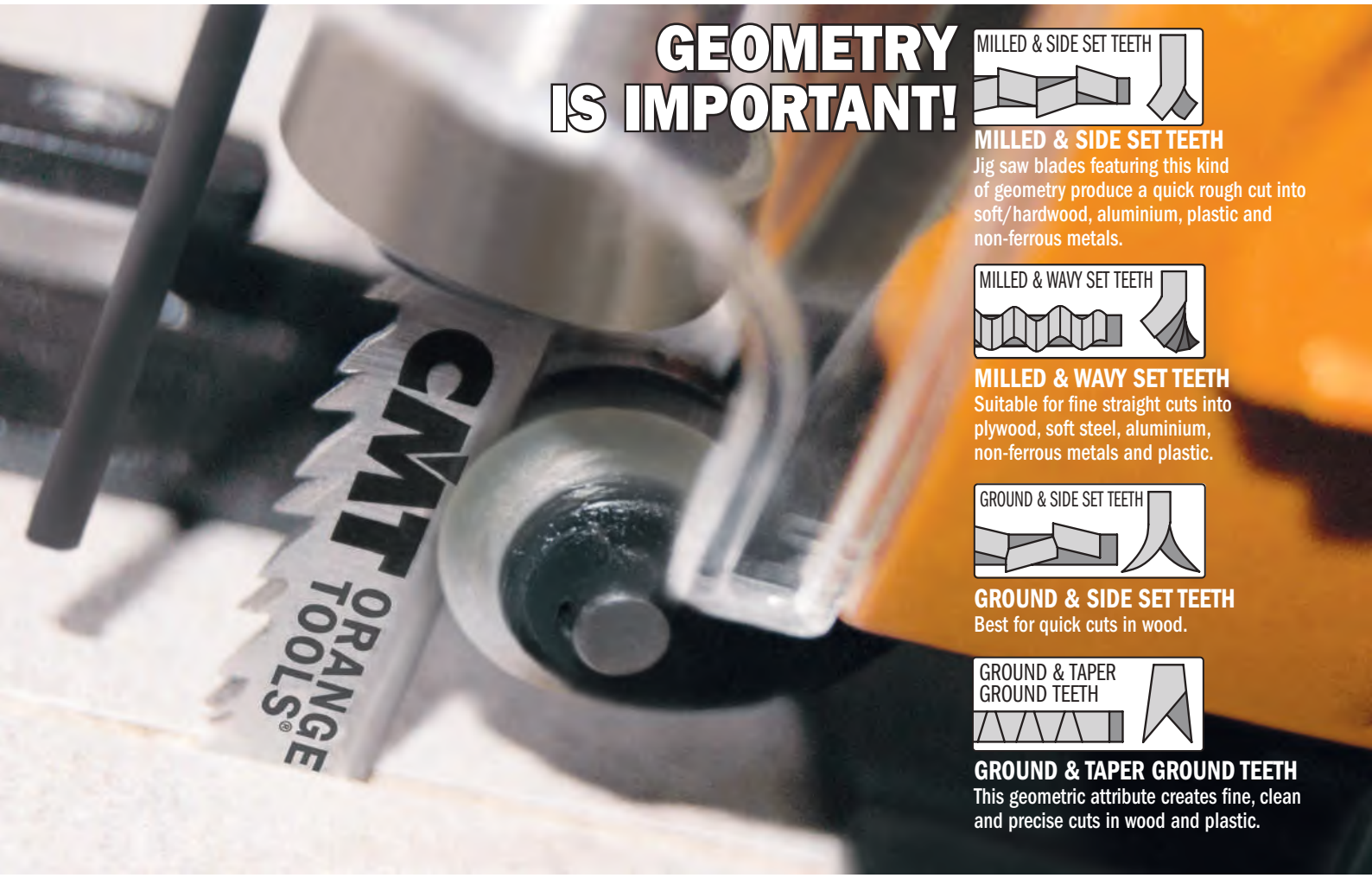
RPM requirements may vary for certain products; always follow the values shown on the blade.

The **230 series (DADO)** does not follow these MAX RPM values. Instead, please use the RPM values indicated on the blades.

The **227 series (HSS)** does not follow these MAX RPM values. Instead, please refer to the corresponding page in the catalogue.

QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

Designed and crafted using state-of-the-art processes as well as high-tech machinery these jig saw blades carry out precise cuts on a variety of materials: soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous & non-ferrous materials, aluminium, Fibreglass as well as stainless steel. CMT jig saw blades come in four different materials made to outperform the competition and deliver impressive results.



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.

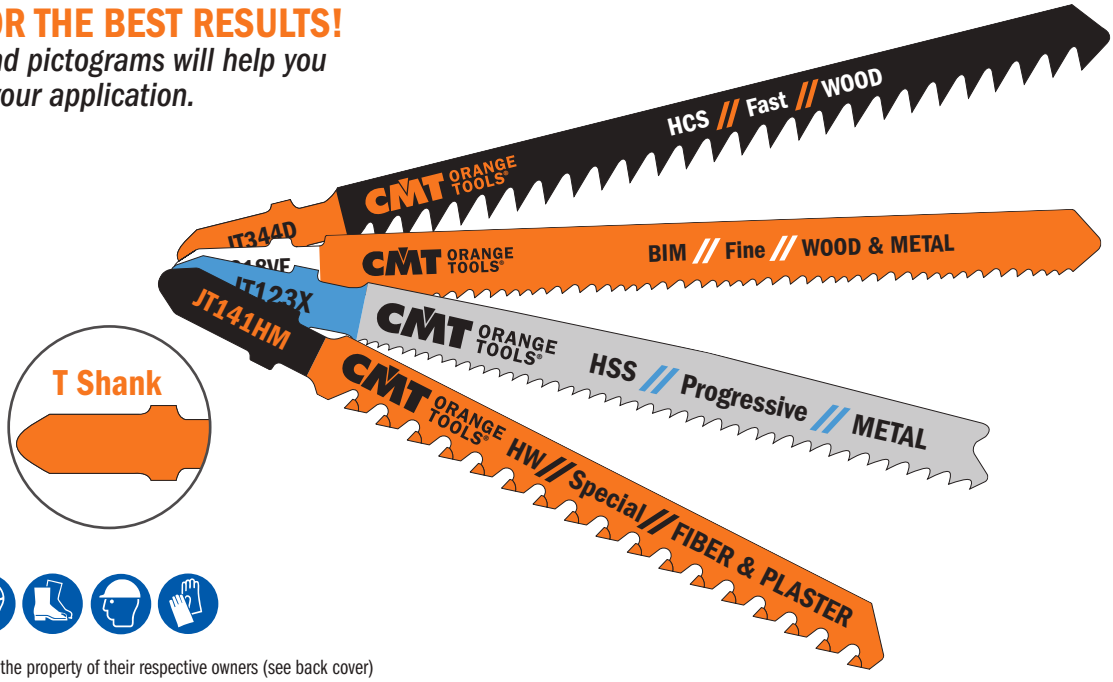
HSS — HIGH SPEED STEEL
For cutting harder materials, such as metals, aluminium and non-ferrous metals.

HW — TUNGSTEN CARBIDE TIPPED
For cutting fibercement board, brick, porous concrete, plasterboard, MDF, Fibreglass and ETERNIT®.

THE RIGHT BLADE FOR THE BEST RESULTS!

A quick reference chart and pictograms will help you select the right blade for your application.

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





® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Guide to Choosing the Most Suitable Jig Saw Blade

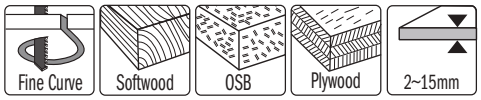
SERIES	MATERIAL	THICKNESS	LINE	FINE STRAIGHT	COARSE STRAIGHT	FINE CURVE	COARSE CURVE	PAGE
WOOD	SOFTWOOD	1.5~15	FINE			JT101AO		92
		2~15	BASIC			JT119BO		91
		3~65	FINE, SPLINTER-FREE	JT234X				93
		3~30	FINE	JT101B				92
		3~30	FINE, SPLINTER-FREE	JT101BR				92
		4~60	BASIC		JT111C			91
		5~60	FAST	JT144DHM	JT144D		JT244D - JT244DDC	91
		5~100	FAST		JT344D			92
		7~55	FINE	JT101D				92
		7~65	FINE	JT301CD - JT318VF				93
	HARDWOOD	1.5~15	FINE			JT101AO		92
		3~30	FINE	JT101B				92
		3~30	FINE, SPLINTER-FREE	JT101BR				92
		3~65	FINE, SPLINTER-FREE	JT234X - JT308BFP		JT308BFP		93
		5~60	FAST	JT144DHM	JT144D		JT244D - JT244DDC	91
		5~100	FAST		JT344D			92
		7~55	FINE	JT101D				92
		7~65	FINE	JT301CD - JT318VF				93
	OSB	2~15	BASIC			JT119BO		91
		3~30	FINE	JT101B				92
		4~60	BASIC		JT111C			91
		5~60	FAST	JT144DHM	JT144D		JT244D - JT244DDC	91
		7~55	FINE	JT101D - JT318VF				92-93
	PLYWOOD	1.5~15	FINE			JT101AO		92
		2~15	BASIC			JT119BO		91
		3~30	FINE	JT101B				92
		3~30	FINE, SPLINTER-FREE	JT101BR				92
		3~65	FINE, SPLINTER-FREE	JT234X - JT318VF				93
		4~60	BASIC		JT111C			91
		5~60	FAST	JT144DHM	JT144D		JT244D - JT244DDC	91
		5~100	FAST		JT344D			92
		7~55	FINE	JT101D - JT318VF				92-93
	CONSTRUCTION WOOD	<30	FINE	JT101B				92
		3~65	FINE, SPLINTER-FREE	JT234X				93
		<100	FAST		JT344D			92
		<135	FAST	JT144DHM	JT144D			91
	CHIPBOARD	2~15	BASIC			JT119BO		91
		3~30	FINE	JT101B		JT101AO		92
		3~65	FINE, SPLINTER-FREE	JT234X - JT318VF				93
		4~60	BASIC		JT111C			91
		5~60	FAST	JT308BFP	JT144D	JT308BFP	JT244D - JT244DDC	91-93
	LAMINATED PANELS	1.5~15	FINE			JT101AO		92
	KITCHEN TOPS	1.5~15	FINE, LONG LIFE	JT101BIF				93
	WORKTOPS	3~30	FINE	JT101B				92
		3~30	FINE, SPLINTER-FREE	JT101BR				92
		3~65	FINE, SPLINTER-FREE	JT234X - JT308BFP		JT308BFP		93
		5~50	FINE, LONG LIFE	JT128BHM				93
METAL	SHEET METALS	1~3	BASIC	JT118A		JT218A		94
		1.5~10	FAST, LONG LIFE	JT123X - JT318VF				94-95
		2.5~6	BASIC	JT118B				94
	ALUMINIUM, NON-FERROUS	<30	FAST	JT127D				94
		1.5~10	FAST	JT123X - JT318VF				93-94
	PIPES	<30	FAST	JT123X - JT318VF				93-94
	INOX SHEETS	1.5~3	FAST	JT123X - JT318VF				93-94
	SANDWICH MATERIAL	<120	FAST, FLEXIBLE	JT718BF				94
SPECIAL	GRP (FIBREGLASS)	<30	FAST	JT127D				94
	PLASTIC (PP, PE, PVC, PA, PS)	<30	FINE	JT101D				92
		<30	FAST	JT123X				94
		7~65	FINE	JT301CD - JT318VF				93
	PLASTERBOARD	5~50	SPECIAL		JT141HM			95
		5~80	SPECIAL		JT341HM			95
	GRP (FIBREGLASS)	<80	SPECIAL		JT341HM			95
	FIBRECEMENT BOARDS	5~50	SPECIAL		JT141HM			95
		5~80	SPECIAL	JT367XHM	JT341HM			95
	CARTON, LEATHER, RUBBER	<100	SPECIAL	JT313AW				95
	SOFT TILE, CAST IRON	5~10	SPECIAL	JT150RF				95

JT119BO





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



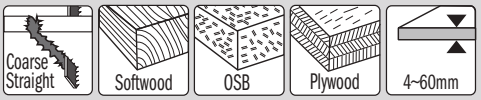
Curve cuts on softwood (2~15mm), plywood, OSB.

JT111C





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



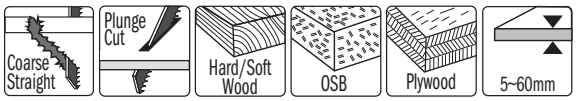
Fast coarse cuts on softwood (4~60mm), plywood, OSB.

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.

JT144DHM





PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
1	100	75	3.5-5	5-7	10	JT144DHM



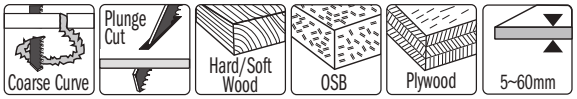
Superior cuts and XTREME durability in composite decking materials and hard woods (5~60mm). Plunge cutting.

JT244D





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



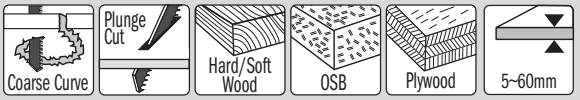
Fast, curve, coarse cut on soft and hardwood (5~60mm), plywood, OSB. Plunge cutting.

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 (5~60mm), plywood, OSB. Plunge cutting. Special “DUO” (double) cuts for fast curve cutting.

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





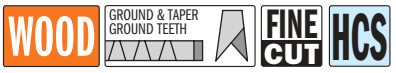
PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
3	180	155	4	6	20	JT744D-3



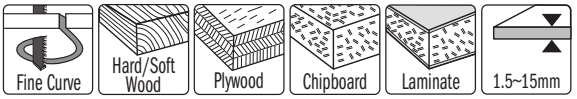
Very fast cuts, straight and coarse on thick construction timber, hard/softwood (5~135mm) and sandwich material.

JT101AO





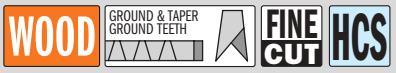
PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	76	50	1.4	20	100	JT101AO-5



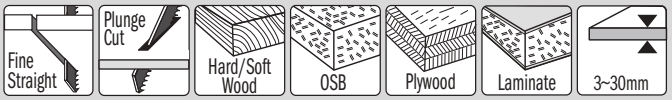
Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, chipboard, MDF, double sided laminates (1.5~15mm).

JT101B





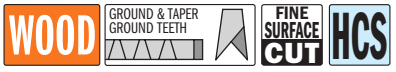
PACK QUANTITY	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	2.5	10	100	JT101B-5
25	100	75	2.5	10	10	JT101B-25



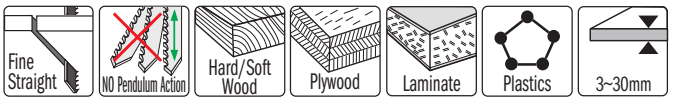
Fine straight cuts with fine finishing on hard/softwood, plywood, OSB and plastics (3~30mm). Plunge cutting.

JT101BR





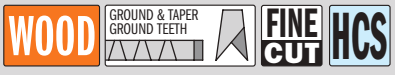
PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	2.5	10	100	JT101BR-5
25	100	75	2.5	10	10	JT101BR-25



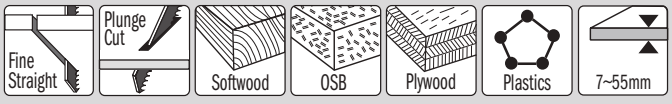
Straight cuts, fine finishing on upper side, hard/softwood, plywood, OSB, laminated panels, plastics (3~30mm). Reverse tooth.

JT101D



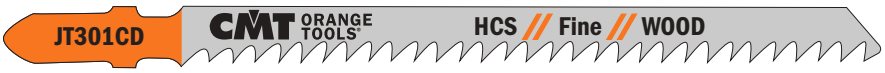


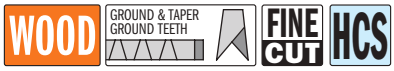
PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	100	75	4	6	100	JT101D-5



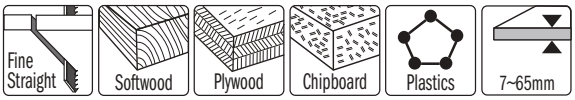
Straight cuts, fine finishing on upper side, on hard/softwood, plywood, OSB, laminates and plastics (7~55mm). Plunge cutting.

JT301CD





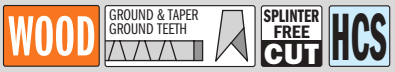
PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	116	90	3	8	100	JT301CD-5



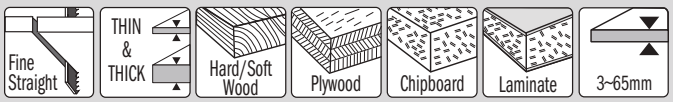
Straight cuts, good finishing, on hard/softwood, plywood, laminates and plastics (7~65mm).

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

JT308BFP

new





PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
5	116	90	1.27-2	13	100	JT308BFP-5



Straight and curved cut with excellent finish on the top and bottom sides of soft and hardwood, plywood, chipboard, laminate (5~50mm). Bidirectional tooth.

JT128BHM

new





PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
1	92	68	1.8	14	10	JT128BHM



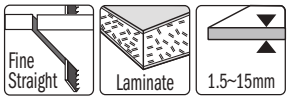
Superior cuts and XTREME durability in highly abrasive material such laminate and laminate flooring and TRESPA®, (5~50mm).

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. Special 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).

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

JT118A

JT118A // CMT ORANGE TOOLS HSS // METAL

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).

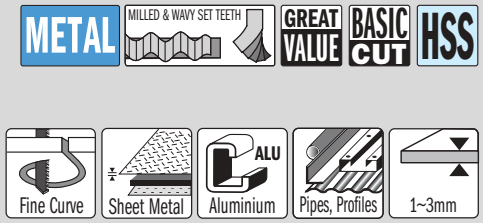


JT218A

JT218A // CMT ORANGE TOOLS HSS // METAL

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).

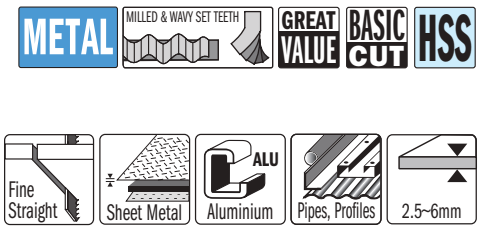


JT118B

JT118B // CMT ORANGE TOOLS HSS // METAL

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).

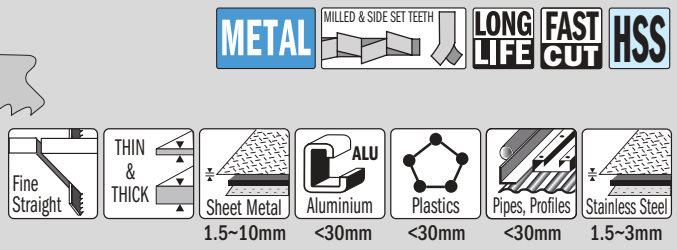


JT123X

JT123X // CMT ORANGE TOOLS BIM // Progressive // METAL

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 (<30mm), stainless steel (1.5~3mm).

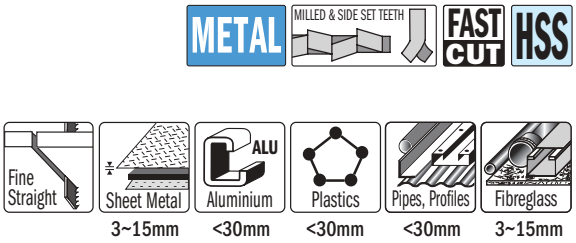


JT127D

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

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, (<30mm) including plastic, fibreglass and epoxy.



JT718BF

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

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).



JT367XHM

HW TOOTH — JT367XHM — CMT ORANGE TOOLS® HW // Special // THIN & THICK MULTI-MATERIALS — new — SPECIAL LONG LIFE HW

PACK Quantity	L mm	I mm	TS mm	TPI		ORDER NO. T Shank
1	132	105	3.5-5	5-7	10	JT367XHM

50X LONGER LIFE — Straight LONG LIFE — Wood with Nails — Sheet Metal — Pipes, Profiles

Fast cuts, XTREME durability in a wide range of materials like wood with nails/metal, wood, sheet metal, aluminium, fibreglass, plastic/epoxy.

JT141HM

HW TOOTH — JT141HM — CMT ORANGE TOOLS® HW // Special // FIBER & PLASTER — SPECIAL 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

Coarse Straight — Plasterboard — Porous Concrete — Fibrecement Board — Fibreglass

Plasterboard, fibrecement boards (<50mm). Fibreglass/Epoxy (5~20mm), ETERNIT®, MDF, HDF.

JT341HM

HW TOOTH — JT341HM — CMT ORANGE TOOLS® HW // Special // FIBER & PLASTER — SPECIAL 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

Coarse Straight — Plasterboard — Porous Concrete — Fibrecement Board — Fibreglass

Plasterboard, fibrecement boards (<80mm). Fibreglass/Epoxy (5~50mm), ETERNIT®, MDF, HDF.

JT150RF

CARBIDE GRIT — JT150RF — CMT ORANGE TOOLS® HW // Special // CERAMIC — SPECIAL LONG LIFE CARBIDE GRIT

PACK Quantity	L mm	I mm				ORDER NO. T Shank
3	83	75			50	JT150RF-3

Fine Straight — Soft Tiles — Cast Iron — Fibre-reinforced — CARBIDE — GRIT 50

Soft ceramic tiles, cast iron (5~10mm), rienforced fibreglass.

JT313AW

JT313AW — CMT ORANGE TOOLS® HCS // Special // SOFT-MATERIAL — SPECIAL HCS

PACK Quantity	L mm	I mm				ORDER NO. T Shank
3	152	100			100	JT313AW-3

Cardboard — Polystyrene — Carpet — Leather — Rubber — Sharp Blade

Cardboard, polystyrene, carpet, leather, rubber, fibreglass thermal insulation panels (<100mm).

16 Piece Jig Saw Blade Set

JT016

- 2 PCS JT144D HCS — WOOD — FAST CUT
- 1 PC JT141HM HW — SPECIAL — LONG LIFE
- 2 PCS JT101B HCS — WOOD — FINE CUT
- 1 PC JT123X HSS — METAL — FAST CUT
- 2 PCS JT101BR HCS — WOOD — FINE SURFACE CUT
- 2 PCS JT118A HSS — METAL — BASIC CUT
- 1 PC JT101BIF BIM — WOOD — FINE CUT
- 2 PCS JT118B HSS — METAL — BASIC CUT
- 1 PC JT101AO HCS — WOOD — FINE CUT
- 2 PCS JT218A HSS — METAL — BASIC CUT





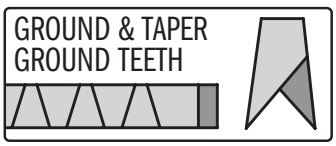
15 Sets in End-cap display
(minimum 15 pieces or multiple)

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, fibrecement, fibreglass, epoxy resins, and panels such as ETERNIT®;
- metal and sheet metal both thick and thin; - stainless steel; - aluminium and plastics.

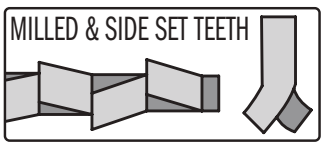
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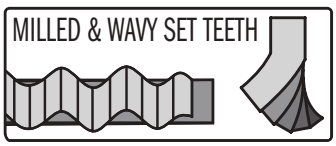
GEOMETRY IS IMPORTANT!



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**
For cuts on soft wood or plastic.

BIM 8% Co **BI-METAL WITH 8% COBALT**
Provides superb results and guarantees long life when cutting metals, plastic and wood with nails.

HW **TUNGSTEN CARBIDE TIPPED**
Ideal for construction materials: fibrecement board, brick and porous concrete.



QUALITY MATERIALS FOR MAXIMUM PRODUCTIVITY

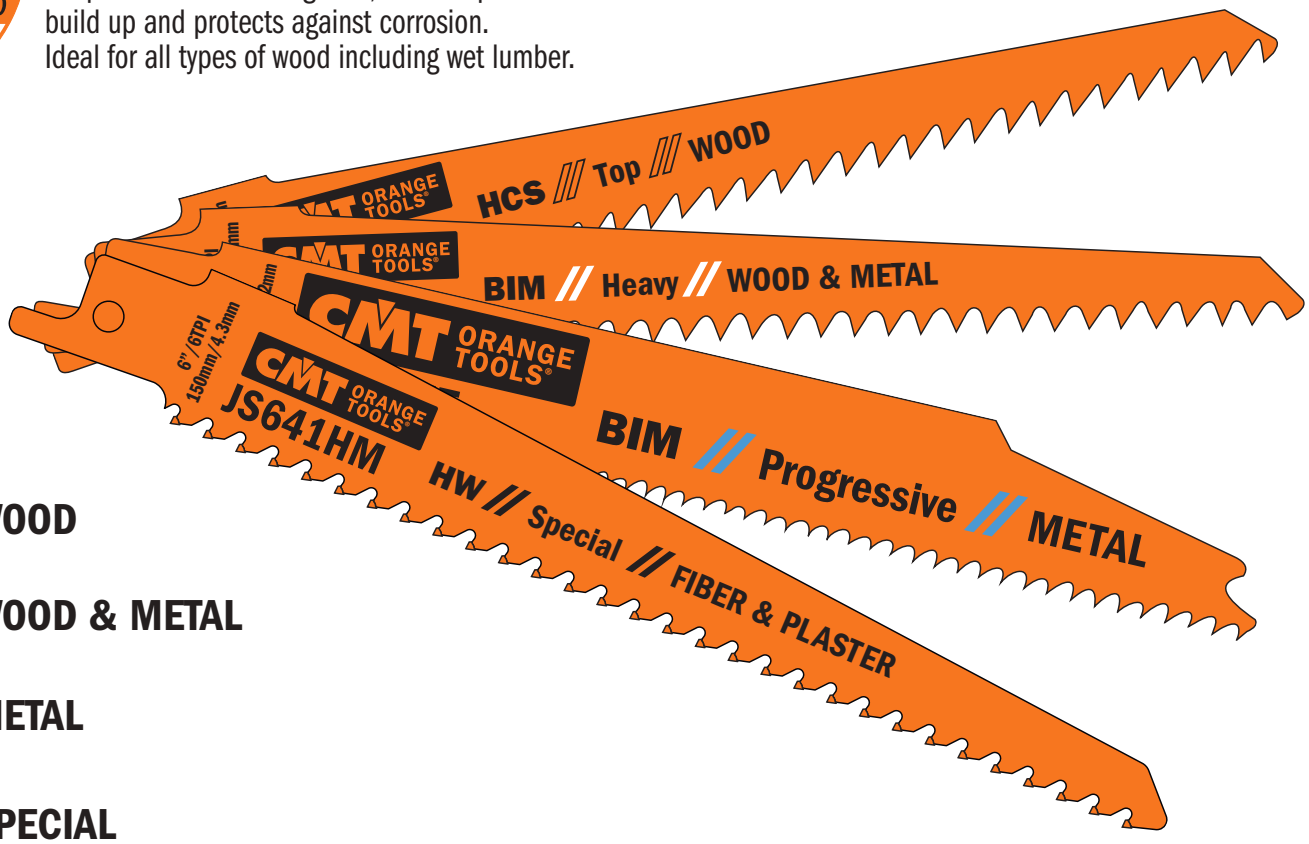
Produced by following state-of-the-art processes, using high-tech machines and premium quality raw materials, these sabre saw blades have been specifically designed to ensure maximum lifetime and performance in all materials.

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®

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

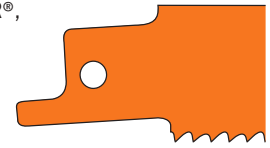
BLADE LINE DESCRIPTIONS

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

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

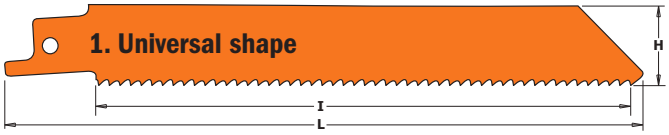
Fits: AEG®, BLACK & DECKER®, BOSCH®, DEWALT®, FEIN®, FLEX®, HILTI®, MAKITA®, METABO®, MILWAUKEE®, PORTER CABLE®, RIDGID®, ROTHENBERGER®, RYOBI®, SKIL®.



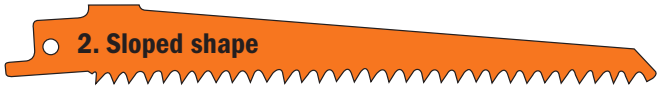
BLADE SHAPE & THICKNESS

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.

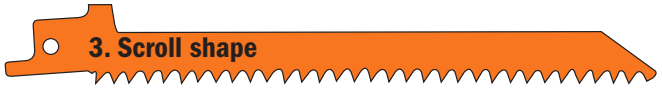
Three Main Blade Categories:



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.



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.



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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Sabre Saw Blade Application Chart

CMT ORANGE TOOLS®

SERIES	MATERIAL	MATERIAL THICKNESS	LINE	L MM	FINE STRAIGHT	COARSE STRAIGHT	CURVE	FINE ANGLE CUT	FLUSH CUT	THIN & THICK	DEMOLITION	TPI	PAGE
WOOD	**COARSE WOOD (FREE OF NAILS)**	<100	BASE			JS617K	JS617K					3	**100**
	PRUNING GREEN WOOD	<175	BASE			JS1111K						3	**100**
	COOLANT: DRY	<190	TOP			JS1531L						5	**100**
	MAX RPM 2500	<250	BASE			JS1617K						3	**100**
	CONSTRUCTION WOOD	<100	TOP	150	JS644D		JS644D					6	**100**
	COOLANT: DRY	<150	PROGRESSIVE	200	JS2345X					JS2345X		6~10	**100**
	MAX RPM 2500	<150	PALLET	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	**102**
	BOARDS	<60	TOP	150	JS644D		JS644D					6	**100**
	COOLANT: DRY	<60	PROGRESSIVE	200	JS2345X					JS2345X		6~10	**100**
	MAX RPM 2500	<60	PALLET	200	JS725VFR			JS725VFR		JS725VFR		8~12	**102**
	WOODEN WALL CUTOUT	<100	TOP	150	JS644D		JS644D					6	**100**
	COOLANT: DRY	<150	PROGRESSIVE	200	JS2345X					JS2345X		6~10	**100**
	MAX RPM 2500	<150	PALLET	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	**102**
		<190	TOP	240		JS1531L						5	**100**
	PLASTIC	<100	TOP	150	JS644D		JS644D					6	**100**
	COOLANT: WATER MAX RPM 500	<150	PROGRESSIVE	200	JS2345X					JS2345X		6~10	**100**
WOOD & METAL	**WOOD WITH NAILS/METAL**	<100	FLEXIBLE	150	JS922HF							10	**103**
	COOLANT: DRY	<100	FLEXIBLE	150	JS922VF							10~14	**103**
	MAX RPM 2500	<100	HEAVY	150	JS641HM	JS611DF	JS711DF					6	**101, 107**
		<100	HEAVY	150		JS610VF		JS610VF			JS610VF	5~8	**101**
		<100	HEAVY	150		JS956XHM		JS956XHM			JS956XHM	5~8	**104**
		<150	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	**102**
		<150	PALLET	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	**102**
		<175	FLEXIBLE	225	JS1122HF				JS1122HF			10	**103**
		<175	FLEXIBLE	225	JS1122VF				JS1122HF			10~14	**103**
		<175	HEAVY	225		JS1111DF						6	**101**
		<175	HEAVY	225		JS1110VF		JS1110VF			JS1110VF	5~8	**102**
		<175	HEAVY	225		JS1156XHM		JS1156XHM			JS1156XHM	5~8	**104**
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	**102**
		<250	FLEXIBLE	300	JS1222VF				JS1222VF			10~14	**103**
		<250	HEAVY	300		JS1210VF		JS1210VF			JS1210VF	5~8	**102**
		<250	HEAVY	300		JS1411DF						6	**101**
	PALLET	<100	FLEXIBLE	150	JS922HF	JS641HM						10	**103, 107**
	COOLANT: DRY	<150	PALLET	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	**102**
	MAX RPM 2500	<175	FLEXIBLE	225	JS1122HF				JS1122HF			10	**103**
	WOOD, CHIPBOARD	<100	HEAVY	150		JS611DF	JS711DF					6	**101**
	COOLANT: DRY	<100	HEAVY	150		JS610VF		JS610VF			JS610VF	5~8	**101**
	MAX RPM 2500	<100	HEAVY	150		JS956XHM		JS956XHM			JS956XHM	5~8	**104**
		<150	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	**102**
		<150	PALLET	200	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	**102**
		<175	HEAVY	225		JS1111DF						6	**101**
		<175	HEAVY	225		JS1110VF		JS1110VF			JS1110VF	5~8	**102**
		<175	HEAVY	225		JS1156XHM		JS1156XHM			JS1156XHM	5~8	**104**
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	**102**
		<250	HEAVY	300		JS1210VF		JS1210VF			JS1210VF	5~8	**102**
		<250	HEAVY	300		JS1411DF						6	**101**
	SHEET METALS	3~10	FLEXIBLE	150	JS922VF							10~14	**103**
	COOLANT: CUTTING OIL	3~10	FLEXIBLE	225	JS1122VF				JS1122HF			10~14	**103**
	MAX RPM 500~2000	3~10	FLEXIBLE	300	JS1222VF				JS1222VF			10~14	**103**
		3~18	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	**102**
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	**102**
	PIPES, PROFILES	<100	FLEXIBLE	150	JS922VF							10~14	**103**
	COOLANT: CUTTING OIL	<150	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	**102**
	MAX RPM 1500	<175	FLEXIBLE	225	JS1122VF				JS1122HF			10~14	**103**
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	**102**
		<250	FLEXIBLE	300	JS1222VF				JS1222VF			10~14	**103**
	PLASTIC, PIPES, PROFILES	<100	HEAVY	150		JS611DF	JS711DF					6	**101**
	COOLANT: WATER	<150	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	**102**
	MAX RPM 500	<175	HEAVY	225		JS1111DF						6	**101**
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	**102**
		<250	HEAVY	300		JS1411DF						6	**101**
	GLASS FIBRE-REINFORCED	<50	HEAVY	150		JS611DF	JS711DF					6	**101**
	PLASTIC/EPOXY	<60	HEAVY	300		JS1411DF						6	**101**
	COOLANT: WATER	<60	HEAVY	150		JS610VF		JS610VF			JS610VF	5~8	**101**
	MAX RPM 500	<100	HEAVY	150		JS956XHM		JS956XHM			JS956XHM	5~8	**104**

Sabre Saw Blade Application Chart

CMT ORANGE TOOLS®

SERIES	MATERIAL	MATERIAL THICKNESS	LINE	L MM	FINE STRAIGHT	COARSE STRAIGHT	CURVE	FINE ANGLE CUT	FLUSH CUT	THIN & THICK	DEMOLITION	TPI	PAGE
WOOD & METAL	GLASS FIBRE-REINFORCED	<60	HEAVY	225		JS1111DF						6	101
	PLASTIC/EPOXY	<60	HEAVY	225		JS1110VF		JS1110VF			JS1110VF	5~8	102
	COOLANT: WATER	<175	HEAVY	225		JS1156XHM		JS1156XHM			JS1156XHM	5~8	104
	MAX RPM 500	<100	FLEXIBLE	150	JS922VF	JS641HM						10~14	103, 107
		<150	PROGRESSIVE	200		JS3456XF				JS3456XF		6~12	102
		<175	FLEXIBLE	225	JS1122VF				JS1122HF			10~14	103
		<175	PROGRESSIVE	225		JS5678XF				JS5678XF		6~12	102
		<250	FLEXIBLE	300	JS1222VF				JS1222VF			10~14	103
		<250	HEAVY	300		JS1210VF		JS1210VF			JS1210VF	5~8	102
METAL	SHEET,	0.7~3	FLEXIBLE	150	JS922AF							24	107
	PERFORATED METALS,	0.7~3	FLEXIBLE	225	JS1122AF				JS1122AF			24	107
	(THIN & THICK)	1~8	PROGRESSIVE	150	JS123XF					JS123XF		8~14	105
	COOLANT: DRY	1.5~4	FLEXIBLE	150	JS922EF							18	106
	MAX RPM 500~2000	1.5~4	FLEXIBLE	225	JS1122EF				JS1122EF			18	106
		2~10	HEAVY	150	JS925VF						JS925VF	10~14	105
		2~10	HEAVY	200	JS1025VF						JS1025VF	10~14	105
		2~10	HEAVY	225	JS1125VF						JS1125VF	10~14	105
		2~10	HEAVY	300	JS1125VF						JS1225VF	10~14	106
		3~8	FLEXIBLE	150	JS922BF							14	106
		3~8	FLEXIBLE	225	JS1122BF				JS1122BF			14	106
		4~12	HEAVY	150		JS920CF		JS920CF			JS920CF	9	105
		4~12	HEAVY	150		JS955CHM		JS955CHM			JS955CHM	9	104
		4~12	HEAVY	225		JS1120CF		JS1120CF			JS1120CF	9	105
		4~12	HEAVY	225		JS1155CHM		JS1155CHM			JS1155CHM	9	104
	PIPES, PROFILES,	<100	FLEXIBLE	150	JS922AF							24	107
	THIN-WALLED	<100	FLEXIBLE	150	JS922EF							18	106
	(OPEN & CLOSED)	<100	PROGRESSIVE	150	JS123XF					JS123XF		8~14	105
	COOLANT: DRY	<100	HEAVY	150	JS925VF						JS925VF	10~14	105
	MAX RPM 500~2000	<150	HEAVY	200	JS1025VF						JS1025VF	10~14	105
		<175	FLEXIBLE	225	JS1122AF				JS1122AF			24	107
		<175	FLEXIBLE	225	JS1122EF				JS1122EF			18	106
		<175	HEAVY	225	JS1125VF						JS1125VF	10~14	105
		<250	HEAVY	300	JS1225VF						JS1225VF	10~14	106
	PIPES, PROFILES,	<100	FLEXIBLE	150	JS922BF							14	106
	THICK-WALLED	<100	PROGRESSIVE	150	JS123XF					JS123XF		8~14	105
	(OPEN & CLOSED)	<100	HEAVY	150	JS925VF						JS925VF	10~14	105
	COOLANT: DRY	<100	HEAVY	150		JS920CF		JS920CF			JS920CF	9	105
	MAX RPM 500~2000	4~12	HEAVY	150		JS955CHM		JS955CHM			JS955CHM	9	104
		<150	HEAVY	200	JS1025VF						JS1025VF	10~14	105
		<175	FLEXIBLE	225	JS1122BF				JS1122BF			14	106
		<175	HEAVY	225	JS1125VF						JS1125VF	10~14	105
		<175	HEAVY	225		JS1120CF		JS1120CF			JS1120CF	9	105
		4~12	HEAVY	225		JS1155CHM		JS1155CHM			JS1155CHM	9	104
		<250	HEAVY	300	JS1225VF						JS1225VF	10~14	106
		4~12	HEAVY	300		JS1255CHM						8	106
	PIPES, PROFILES (SOLID)	<100	PROGRESSIVE	150	JS123XF					JS123XF		8~14	105
	COOLANT: CUTTING OIL	<100	FLEXIBLE	150	JS922BF							14	106
	MAX RPM 500~2000	<100	HEAVY	150		JS920CF		JS920CF			JS920CF	9	105
		4~12	HEAVY	150		JS955CHM		JS955CHM			JS955CHM	9	104
		<175	FLEXIBLE	225	JS1122BF					JS1122BF		14	106
		<175	HEAVY	225		JS1120CF		JS1120CF			JS1120CF	9	105
		4~12	HEAVY	225		JS1155CHM		JS1155CHM			JS1155CHM	9	104
SPECIAL	PLASTERBOARD	<100	HEAVY	150	JS641HM	JS611DF	JS711DF					6	101, 107
	FIBRECEMENT PANELS	<175	SPECIAL	225		JS1141HM		JS1141HM				3	107
		<215	SPECIAL	305		JS1243HM		JS1243HM				2	108
		<250	SPECIAL	300		JS1241HM		JS1241HM				3	107
		<365	SPECIAL	455		JS2243HM		JS2243HM				2	108
	POROUS CONCRETE,	<175	SPECIAL	225		JS1141HM		JS1141HM				3	107
	RED BRICK	<215	SPECIAL	305		JS1243HM		JS1243HM				2	108
		<250	SPECIAL	300		JS1241HM		JS1241HM				3	107
		<365	SPECIAL	455		JS2243HM		JS2243HM				2	108
	POLYSTYRENE,	<175	SPECIAL	228		JS1113AWP-2						-	108
	FIBRE INSULATION	<250	SPECIAL	300		JS1213AWP						-	108
		<300	SPECIAL	300		JS2013AWP						-	108
	ICE, FROZEN, MEAT, BONE	<250	SPECIAL	300		JS1211K						3	109

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

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

Coarse Straight · Fine Curve · Nail-Free Coarse Wood · Pruning · Plunge Cut · <100mm

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 Straight · Nail-Free Coarse Wood · Pruning · <175mm

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 Straight · Nail-Free Coarse Wood · Pruning · <250mm

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

JS644D



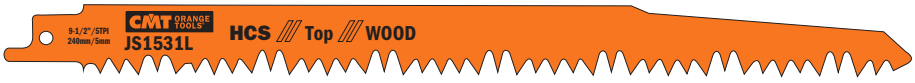
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

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

Fine Straight · Fine Curve · Nail-Free Coarse Wood · Wooden Wall Cutout · Boards · Plunge Cut · <100mm

Cuts construction wood (<100mm), wooden wall panels (<100mm), chipboard, MDF (6~60mm), plywood, plastic (<100mm). Special 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	1.5	5	5	10	JS1531L-5
new 20	240	220	19	1.5	5	5	5	JS1531L-20

Coarse Straight · Nail-Free Coarse Wood · Pruning · <190mm

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

JS2345X



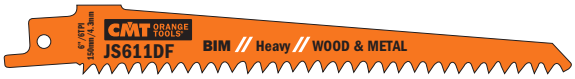
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · EASY CUT · HCS

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 · Plastics · THIN & THICK · <150mm

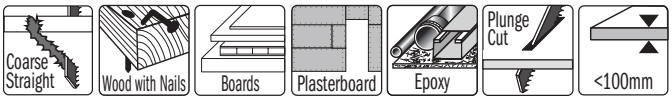
Cuts construction wood (<150mm), chipboard, MDF (6~60mm), plywood, plastic (<150mm), wooden wall (<150mm). Effortless fine cutting.

JS611DF



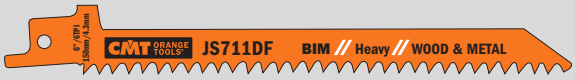
WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	1.25	4.3	6	10	JS611DF-5



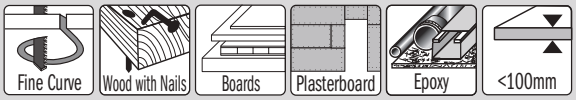
Cuts wood with nails/embedded metal (<100mm), plastic profiles (<100mm), fibreglass and epoxy (<50mm), wood and metal window frames. Special for plunge cutting.

JS711DF



WOOD&METAL | MILLED & SIDE SET TEETH | 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	150	130	12	1.25	4.3	6	10	JS711DF-5



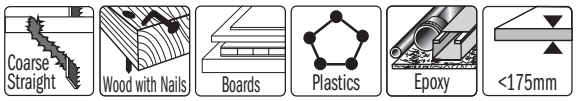
Cuts wood with nails/embedded metal (<100mm), fibreglass and epoxy (<50mm). Excellent for curved cuts.

JS1111DF



WOOD&METAL | MILLED & SIDE SET TEETH | 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	225	205	19	1.25	4.3	6	10	JS1111DF-5
20	225	205	19	1.25	4.3	6	5	JS1111DF-20



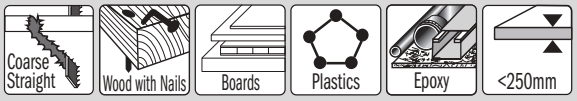
For cutting wood with nails/embedded metal, chipboard (<175mm), plastic profiles (<175mm), fibreglass and epoxy (<50mm).

JS1411DF



WOOD&METAL | MILLED & SIDE SET TEETH | 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	300	280	19	1.25	4.3	6	10	JS1411DF-5



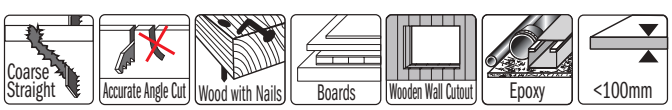
Cuts wood with nails/embedded metal, chipboard (<250mm), fibreglass and epoxy (<60mm).

JS610VF



WOOD&METAL | MILLED & SIDE SET TEETH | DEMOLITION | XTREME CUT | BIM 8% Co

PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	22	1.6	3.2-5	5-8	10	JS610VF-5



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

JS1110VF



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

PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	22	1.6	3.2-5	5-8	10	JS1110VF-5
20	225	205	22	1.6	3.2-5	5-8	5	JS1110VF-20



For cutting wood with nails/embedded metal, chipboard (<175mm), fibreglass and epoxy, wood and metal wall cut-outs (<175mm). For rescue and demolition work.

JS1210VF



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

PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	280	22	1.6	3.2-5	5-8	10	JS1210VF-5



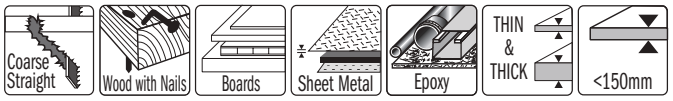
Cuts wood with nails/embedded metal, wood, chipboard (<250mm), fibreglass and epoxy (<250mm), wood and metal wall cut-outs (<250mm).

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



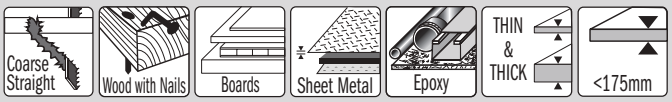
For cutting wood with nails/embedded metal (<150mm), sheet metal, pipe and aluminium profiles from (3~18mm) in thickness, fibreglass and epoxy (<150mm).

JS5678XF



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	225	205	25	1.27	2.1-4.3	6-12	10	JS5678XF-5
20	225	205	25	1.27	2.1-4.3	6-12	5	JS5678XF-20



For cutting wood with nails or metal, chipboard (<175mm), sheet metal, aluminium profiles (3~18mm), glass fibre-reinforced plastic/epoxy (<175mm).

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



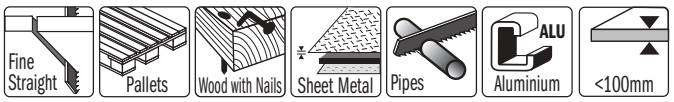
Special saw blade for pallet repair. Cutting depth <150mm.
Optimized for reduced vibration.

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	0.9	2.5	10	10	JS922HF-5



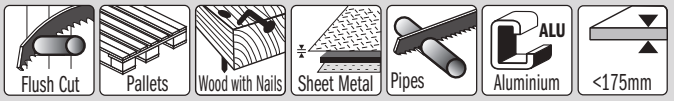
For pallet repair, wood with nails/embedded metal (<100mm), sheet metal, pipe, aluminium profiles (3~12mm).

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	0.9	2.5	10	10	JS1122HF-5
20	225	205	19	0.9	2.5	10	5	JS1122HF-20



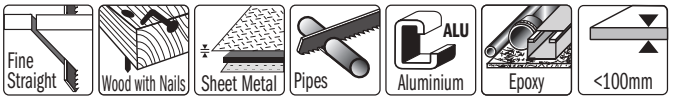
For pallet repair, wood with nails/embedded metal (<175mm), sheet metal, pipe, aluminium profiles (3~12mm). Flexible flush cutting.

JS922VF



WOOD&METAL · MILLED & SIDE SET TEETH · 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	150	130	19	0.9	1.8-2.6	10-14	10	JS922VF-5



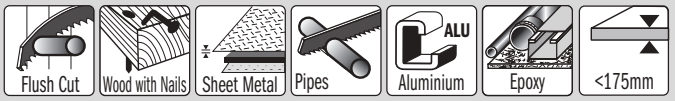
Cuts wood with nails/embedded metal (<100mm), sheet metal, pipe and aluminium profiles (3~10mm), fibreglass and epoxy (<100mm).

JS1122VF



WOOD&METAL · MILLED & SIDE SET TEETH · 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	225	205	19	0.9	1.8-2.6	10-14	10	JS1122VF-5



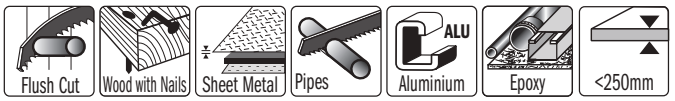
Cuts wood with nails/embedded metal (<175mm), sheet metal, aluminium profiles (3~10mm), fibreglass and epoxy (<175mm). Flexible flush cutting.

JS1222VF



WOOD&METAL · MILLED & SIDE SET TEETH · 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	300	280	19	0.9	1.8-2.6	10-14	10	JS1222VF-5



Cuts wood with nails/embedded metal (<250mm), sheet metal, aluminium profiles (3~10mm), fibreglass and epoxy (<250mm). Flexible flush cutting.

JS956XHM HW TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION HW



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
3	150	130	24	1.2	3-4	6-8	10	JS956XHM-3



For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<100mm). For rescue and demolition work.

JS1156XHM HW TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION HW



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
3	225	205	24	1.2	3-4	6-8	10	JS1156XHM-3



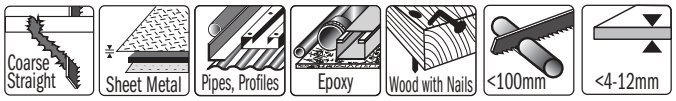
For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<175mm). For rescue and demolition work.

JS955CHM HW TOOTH

METAL EXTRA LONG LIFE HW



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
3	150	130	24	1.2	3	8	10	JS955CHM-3



For cutting thick sheet metal (4~12mm), pipes & profiles (<100mm), plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<100mm), wood with nails or metal.

JS1155CHM HW TOOTH

METAL EXTRA LONG LIFE FAST CUT HW



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
3	225	205	24	1.2	3	8	10	JS1155CHM-3



For cutting thick sheet metal (4~12mm), pipes & profiles (<175mm), plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<175mm), wood with nails or metal.

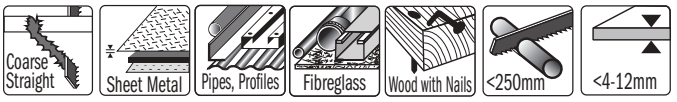
JS1255CHM HW TOOTH

new

METAL EXTRA LONG LIFE HW



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
1	300	267	24	1.2	3	8	10	JS1255CHM



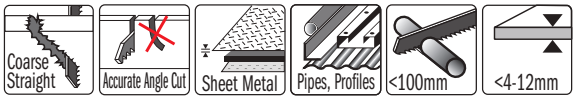
For cutting thick sheet metal (4~12mm), pipes & profiles (<250mm), plastics, glass fibre reinforced plastic/epoxy, fibrecement (<250mm), wood with nails or metal.

JS920CF





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	22	1.6	2.9	9	10	JS920CF-5



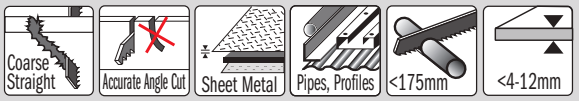
Cuts thick sheet metal (4~12mm), thick-walled pipe and profiles (<100mm). Ideal for pipe cutting, for rescue/demolition work. Powerful coarse cutting.

JS1120CF





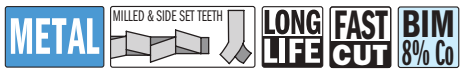
PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	22	1.6	2.9	9	10	JS1120CF-5
20	225	205	22	1.6	2.9	9	5	JS1120CF-20



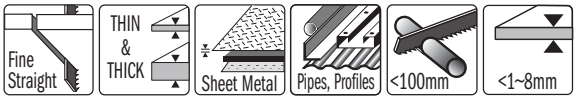
For cutting thick sheet metal (4~12mm), thick-walled pipe and profiles (<175mm). Ideal for pipe cutters, for rescue/demolition work. Powerful coarse cutting.

JS123XF





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0.9	1.8-3.2	8-14	10	JS123XF-5



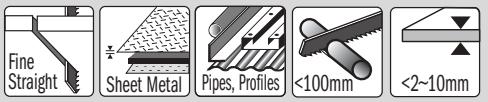
Cuts thin sheet metal (1~8mm) pipes and profiles (diameter <100mm).

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. Fine effortless 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



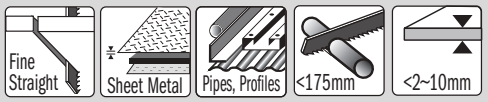
Cuts medium-thick to thick sheet metal (2~10mm), thin and thick-walled pipe and profiles (<150mm). Ideal for demolition work on metal. Fine effortless cutting.

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 on metal. Fine effortless 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. Fine effortless cutting.

JS922BF



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0.9	1.8	14	10	JS922BF-5
20	150	130	19	0.9	1.8	14	5	JS922BF-20

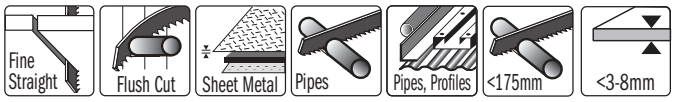


Cuts thin sheet metal (3~8mm), thin pipe and profiles (diameter <100mm). Fine effortless cutting.

JS1122BF



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0.9	1.8	14	10	JS1122BF-5
20	225	205	19	0.9	1.8	14	5	JS1122BF-20



Cuts thin sheet metal (3~8mm), thin pipe and profiles (diameter <175mm). Fine effortless cutting. Flexible flush cuts.

JS922EF



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0.9	1.4	18	10	JS922EF-5
20	150	130	19	0.9	1.4	18	5	JS922EF-20

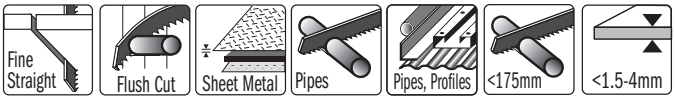


Cuts thin sheet metal (1.5~4mm), pipe and profiles (diameter <100mm).

JS1122EF



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0.9	1.4	18	10	JS1122EF-5
20	225	205	19	0.9	1.4	18	5	JS1122EF-20



Cuts thin sheet metal (1.5~4mm), pipe and profiles (diameter <175mm). Flexible flush cuts.

JS922AF





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	150	130	19	0.9	1	24	10	JS922AF-5



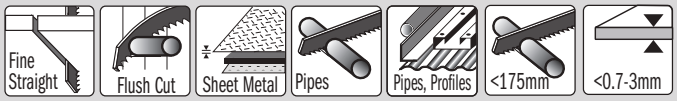
Cuts thin sheet metal (0.7~3mm), fine pipe and profiles (diameter <100mm).
Effortless fine cuts.

JS1122AF





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	225	205	19	0.9	1	24	10	JS1122AF-5



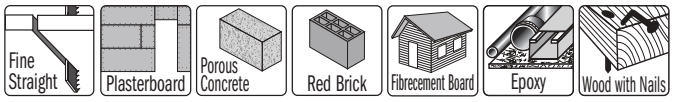
Cuts thin sheet metal (0.7~3mm), fine pipe and profiles (diameter <175mm).
Effortless fine cuts.

JS641HM 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



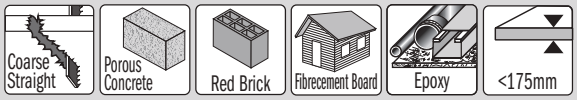
Cuts porous concrete, red brick, fibrecement, plasterboard, fibre-rienforced plastic and epoxy (<100mm), wood & nails, ETERNIT®, MDF.

JS1141HM HW TOOTH





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
2	225	205	22	1.2	8.5	3	25	JS1141HM-2



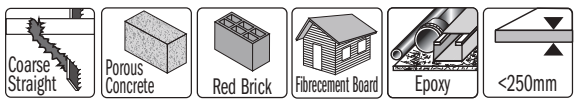
For cutting porous concrete, red brick, fibrecement (10-175mm),
glass fibre-reinforced plastic/epoxy (<100mm). Fast Cut.

JS1241HM HW TOOTH





PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
2	300	280	22	1.5	8.5	3	25	JS1241HM-2



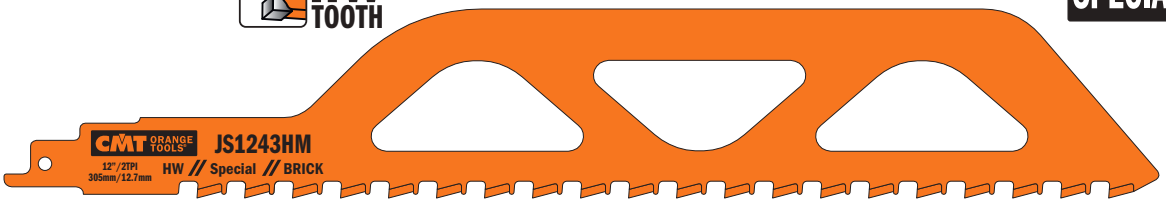
For cutting porous concrete, red brick, fibrecement (10-250mm),
glass fibre-reinforced plastic/epoxy (<100mm). Fast Cut.

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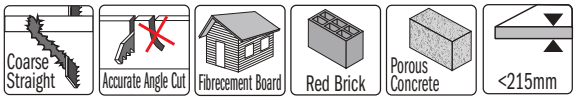
JS1243HM

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	1.5	12.7	2	25	JS1243HM

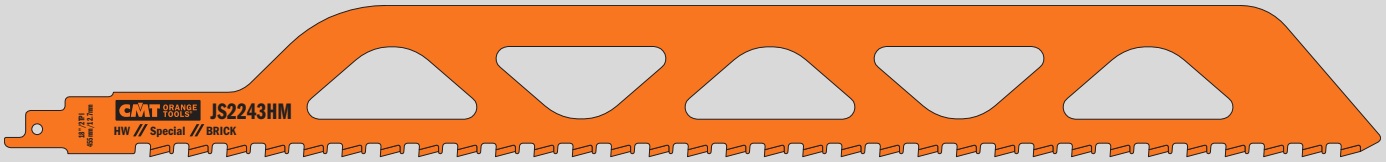


Cuts medium-sized brick up to 215mm in thickness.

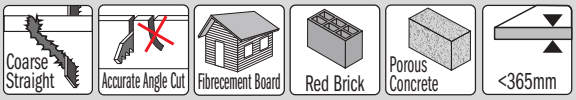
JS2243HM

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	1.5	12.7	2	25	JS2243HM



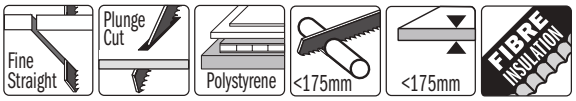
Cuts large brick up to 365mm in thickness.

JS1113AWP-2

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



PACK Quantity	L mm	I mm	H mm	K mm	TS mm			ORDER NO. Universal Shank
2	228	208	22	1.5	5		25	JS1113AWP-2



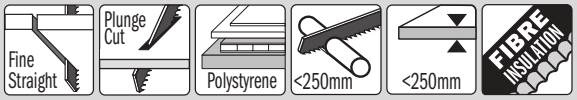
For cutting polystyrene and fibre insulation (<175mm). Clean and precision cut.

JS1213AWP

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



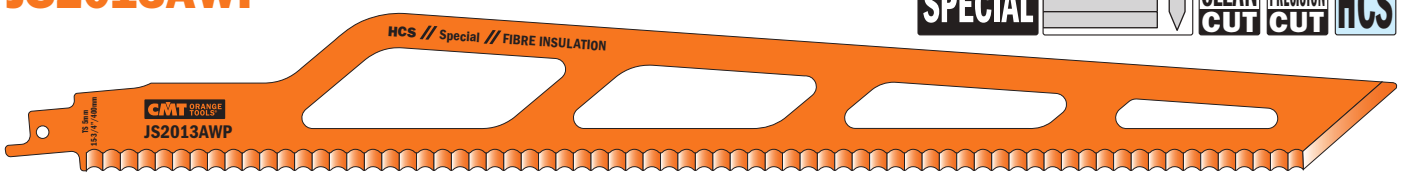
PACK Quantity	L mm	I mm	H mm	K mm	TS mm			ORDER NO. Universal Shank
1	300	280	22	1.5	5		25	JS1213AWP



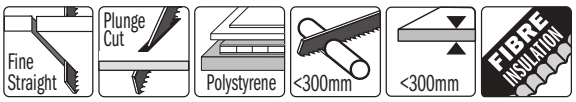
For cutting polystyrene and fibre insulation (<250mm). Clean and precision cut.

JS2013AWP

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



PACK Quantity	L mm	I mm	H mm	K mm	TS mm			ORDER NO. Universal Shank
1	400	380	45	1.5	5		25	JS2013AWP



For cutting polystyrene and fibre insulation (<300mm). Clean and precision cut.

Sabre Saw Blades

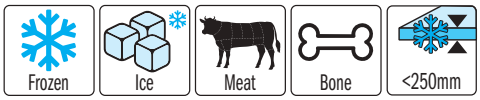
JS1211K

SPECIAL FAST CUT INOX



PACK Quantity	L mm	I mm	H mm	K mm	TS mm	TPI		ORDER NO. Universal Shank
5	300	275	19	1.2	8.5	3	10	**JS1211K-5**

Ideal for sectioning and cutting meat, bone, frozen products and ice up to 250mm in thickness.



✓Compliant with: CD-P-MCA.

25 Piece Reciprocating Saw Blade Set



JS025

5 PCS	KS1122EF BIM	METAL	TPI 18 1.4mm	Fine Straight	Sheet Metal	Flush cut	Pipes, profiles	<175mm	<1-5-4mm <1/16"-5/32"	LONG LIFE		
5 PCS	KS1122HF BIM	WOOD & NAILS	TPI 10 2.5mm	Wood with nails	Sheet Metal	Flush cut	Pallets	Pipes	<175mm <6-7/8"	LONG LIFE		
5 PCS	KS1531L HCS	WOOD	TPI 5 5mm	Coarse Straight	Nail-free coarse wood	Pruning	<190mm <7-1/2"	FAST CUT				
5 PCS	KS1111DF BIM	WOOD & NAILS	TPI 6 4.3mm	Wood with nails	Boards	Plastic	Epoxy	<175mm <6-7/8"	EASY CUT	LONG LIFE		
5 PCS	KS3456XF BIM	WOOD & NAILS	TPI 6-12 2.1-4.3mm	Wood with nails	Boards	Sheet Metal	Epoxy	THIN & THICK	<150mm <5-7-8"	LONG LIFE		

Minimum 10 pieces or multiple

Handle for Reciprocating Saw

Handle for reciprocating saw blades with 12.7mm (1/2") universal shank.
Practical, functional, ergonomic and featuring non-slip material.
Screw for mechanical fastening.
Quick-change system made of ultra-durable material, ensuring strength, functionality, and cutting performance. It features semi-rigid rubber in key areas, allowing effective pressure on the blade during use without losing grip or slipping. This minimizes vibrations for precise, fast, and effortless cutting.



JS001

DESCRIPTION	ORDER NO.
Handle for reciprocating saw	**JS001**

Minimum 10 pieces or multiple







ACCESSORIES FOR OSCILLATING MULTI-TOOLS

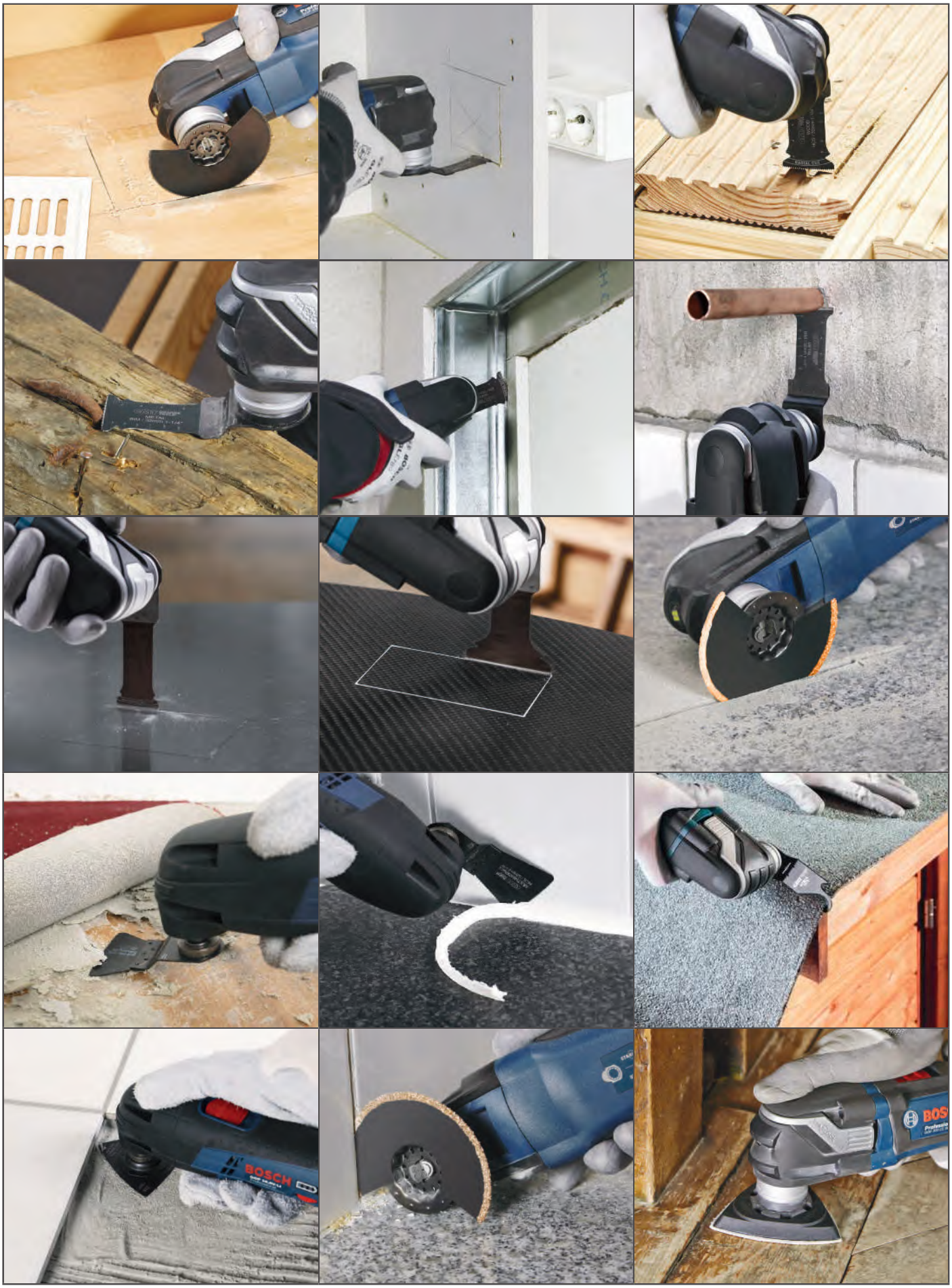
STARLOCK®/STARLOCKPLUS®/STARLOCKMAX® Arbors

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CUTTING - SCRAPING - RASPING - SEPARATING - SANDING



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

TOOTH CHARACTERISTICS

HCS — **HIGH CARBON STEEL**
for cutting wood and plastic.

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

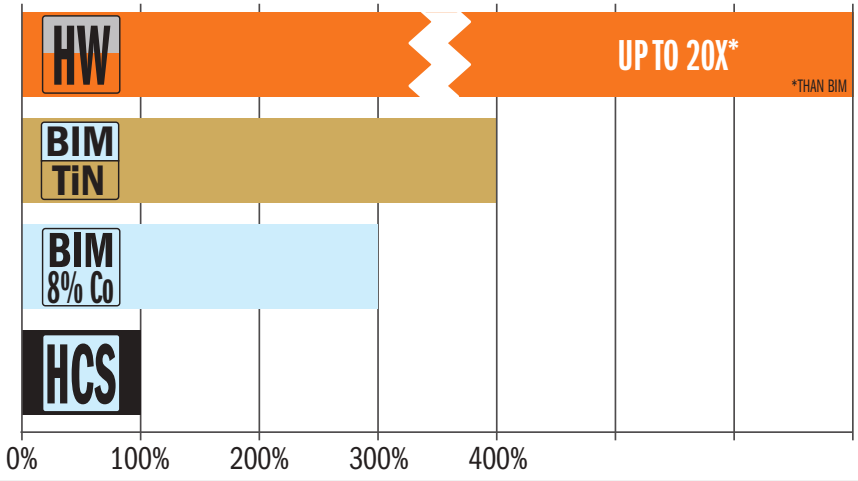
BIM TiN — **BI-METAL WITH 8% COBALT WITH TITANIUM COATING**
for cutting metal, nail embedded wood and plastic, providing extreme performance and longer lifetime.

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

CARBIDE GRIT — **TUNGSTEN CARBIDE GRIT COATED**
for routing joints and grooves, smaller cutouts, and routing recesses in a variery of materials: tiles, plasterboard, porous concrete, construction materials, epoxy and fiberglass.

GRIT — **DIAMOND GRIT COATED**
for routing joints and grooves, smaller cutouts, and routing recesses in a variety of materials: tiles, plasterboard, porous concrete, construction materials, epoxy and fiberglass.
Extreme performance and longer lifetime.

TOOTH LIFE TIME



MATERIALS



STARLOCK® : THE SYSTEM FOR OSCILLATING MULTI-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 RIGHT BLADE FOR THE BEST RESULTS!

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

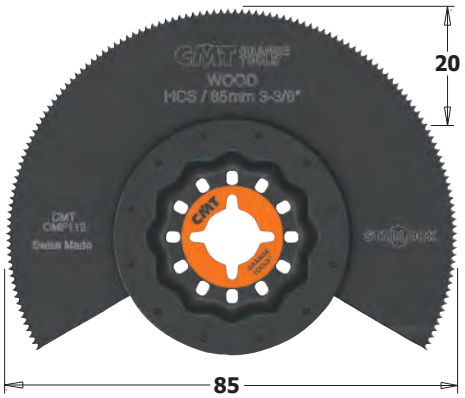
new ECO PACK

WOOD | **WOOD&METAL** | **METAL** | **MULTI-MATERIALS** | **MASONRY**

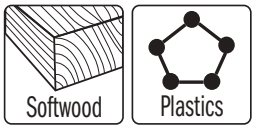


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OMF113 STARLOCK



SEGMENT BLADE
85MM - HCS - WOOD

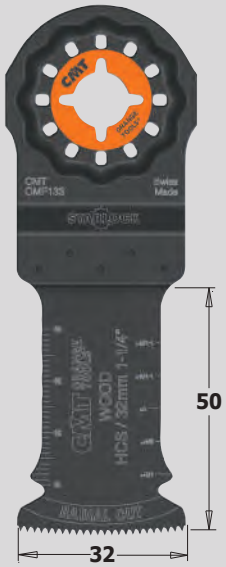


WOOD

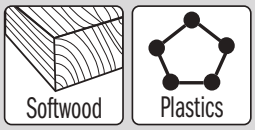
HCS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	85	20	1.4	18	20	**OMF113-X1**

OMF133 STARLOCK



RADIAL BLADE
32MM - HCS - WOOD



WOOD

HCS

Accurate

RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
5 in Clamshell	32	50	1.4	18	15	**OMF133-X5**
50 in Bulk Pack	32	50	1.4	18	6	**OMF133-X50**

OMF126 STARLOCK



RADIAL BLADE - CLEAN CUT
32MM - HCS - WOOD



WOOD

HCS

JAPAN TOOTHING

CLEAN CUT

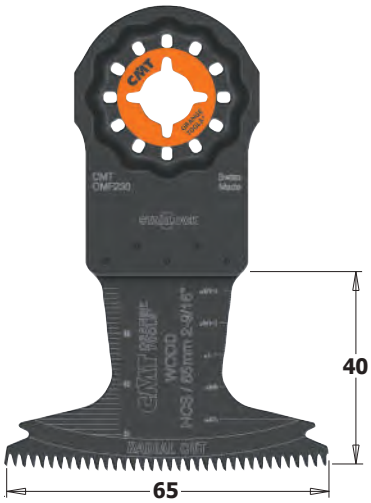
Accurate

RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	50	1.4	18	20	**OMF126-X1**
5 in Clamshell	32	50	1.4	18	15	**OMF126-X5**
50 in Bulk Pack	32	50	1.4	18	6	**OMF126-X50**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF230 STARLOCK



RADIAL BLADE - CLEAN CUT
65MM - HCS - WOOD



WOOD

HCS

JAPAN TOOTHING

CLEAN CUT

Accurate

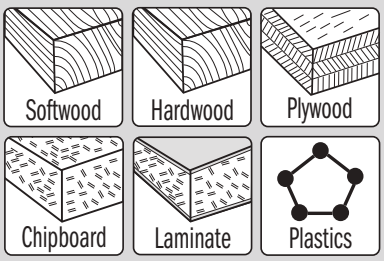
RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	65	40	1.8	14	20	**OMF230-X1**
5 in Clamshell	65	40	1.8	14	15	**OMF230-X5**
50 in Bulk Pack	65	40	1.8	14	6	**OMF230-X50**

OMF205 STARLOCK



RADIAL BLADE - CLEAN CUT
32MM - BIM - WOOD



WOOD

BIM 8% Co

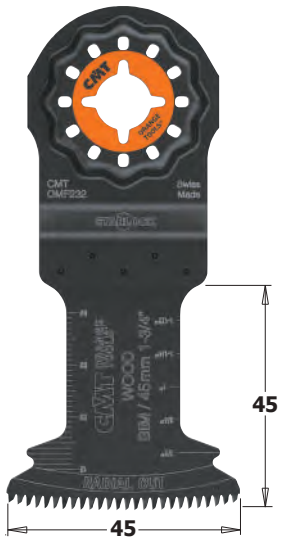
LONG LIFE

Accurate

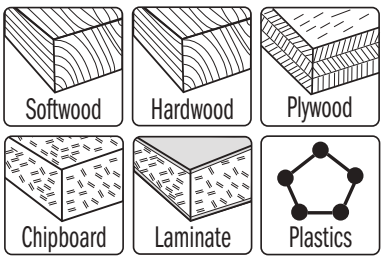
RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	50	1.8	14	20	**OMF205-X1**
5 in Clamshell	32	50	1.8	14	15	**OMF205-X5**
50 in Bulk Pack	32	50	1.8	14	6	**OMF205-X50**

OMF232 STARLOCK



RADIAL BLADE - CLEAN CUT
45MM - BIM - WOOD



WOOD

BIM 8% Co

LONG LIFE

JAPAN TOOTHING

CLEAN CUT

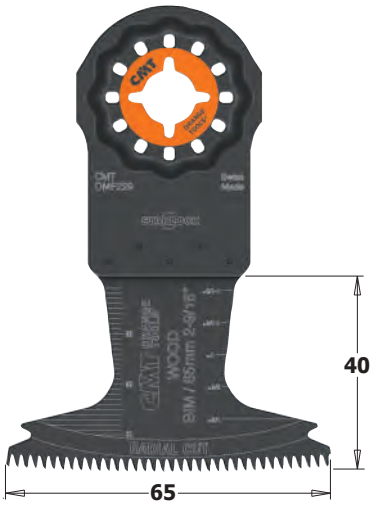
Accurate

RADIAL SHAPE FOR ACCURATE CUTS

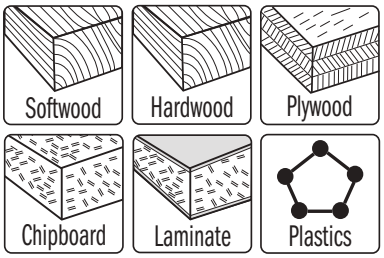
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	45	45	1.8	14	20	**OMF232-X1**
5 in Clamshell	45	45	1.8	14	15	**OMF232-X5**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF229 STARLOCK



RADIAL BLADE - CLEAN CUT
65MM - BIM - WOOD



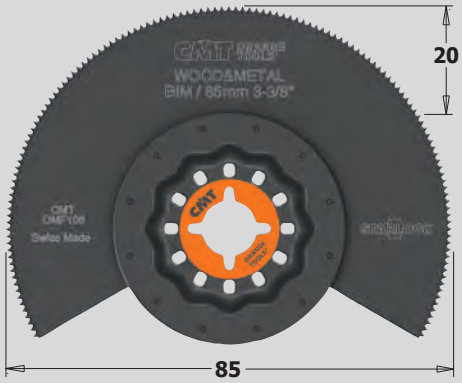
WOOD

BIM 8% Co | LONG LIFE | JAPAN TOOTHING | CLEAN CUT | Accurate

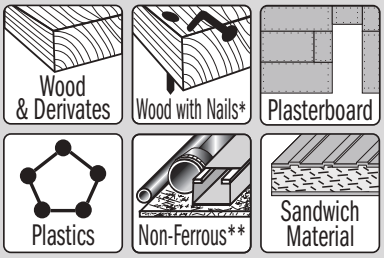
RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	65	40	1.8	14	20	**OMF229-X1**
5 in Clamshell	65	40	1.8	14	15	**OMF229-X5**
50 in Bulk Pack	65	40	1.8	14	6	**OMF229-X50**

OMF106 STARLOCK



SEGMENT BLADE
85MM - BIM - WOOD&METAL



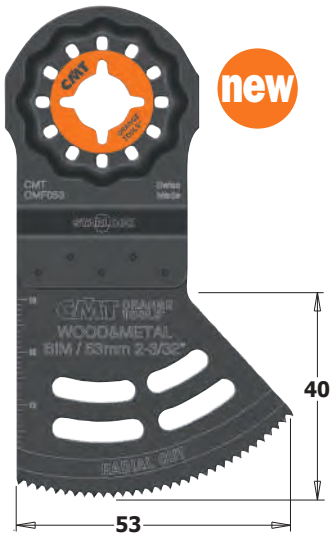
*Not Tempered / **Thickness ≤1mm

WOOD&METAL

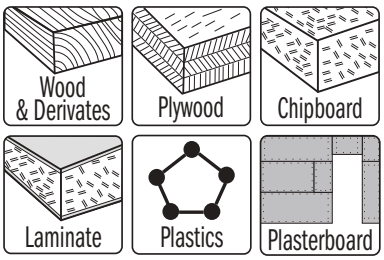
BIM 8% Co | LONG LIFE

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	85	20	1.4	18	20	**OMF106-X1**

OMF053 STARLOCK



ASYMETRIC RADIAL BLADE
53MM - BIM - WOOD&METAL



WOOD&METAL

BIM 8% Co | LONG LIFE | Accurate

RADIAL SHAPE FOR ACCURATE CUTS

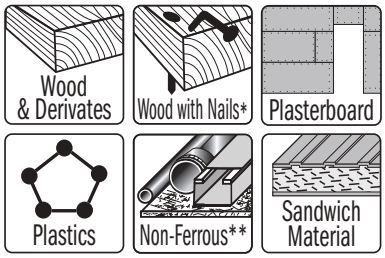
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	53	40	1.8	14	20	**OMF053-X1**

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OMF184 STARLOCK



STRAIGHT BLADE
10MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

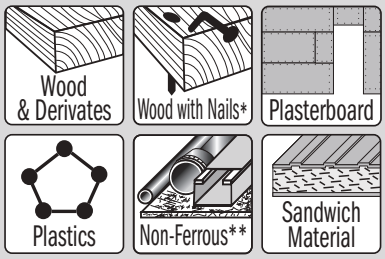
BIM 8% Co LONG LIFE

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
5 in Clamshell	10	25	1.3	20	15	**OMF184-X5**

OMF183 STARLOCK



STRAIGHT BLADE
20MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

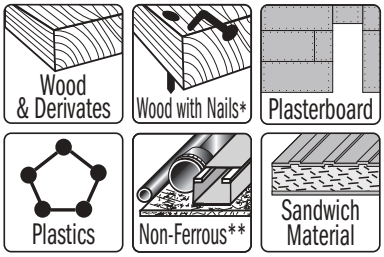
BIM 8% Co LONG LIFE

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	20	30	1.3	20	20	**OMF183-X1**
5 in Clamshell	20	30	1.3	20	15	**OMF183-X5**

OMF160 STARLOCK



RADIAL BLADE
32MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co LONG LIFE

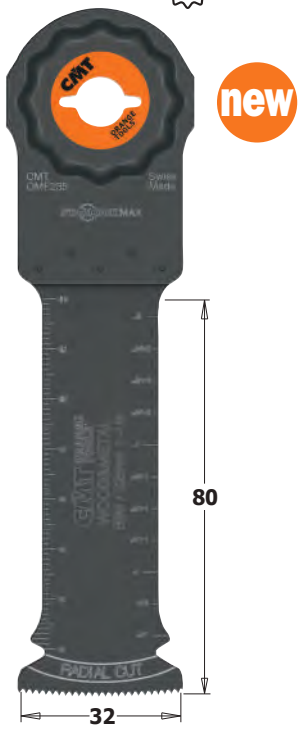
Accurate

RADIAL SHAPE FOR ACCURATE CUTS

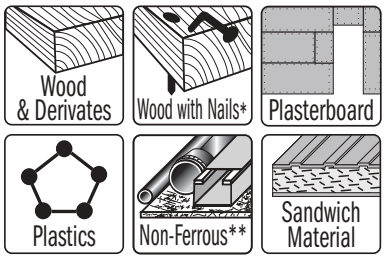
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	50	1.3	20	20	**OMF160-X1**
5 in Clamshell	32	50	1.3	20	15	**OMF160-X5**
50 in Bulk Pack	32	50	1.3	20	6	**OMF160-X50**

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OMF235 STARLOCK MAX



RADIAL BLADE
32MM/80MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

LONG LIFE

Accurate

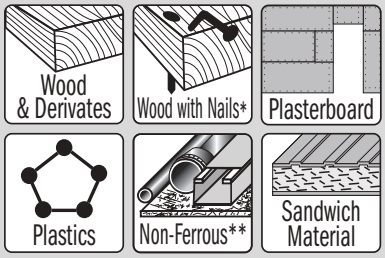
RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCKMAX®
5 in Clamshell	32	80	1.3	20	15	**OMF235-X5**
50 in Bulk Pack	32	80	1.3	20	6	**OMF235-X50**

OMF223 STARLOCK



RADIAL BLADE
45MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

LONG LIFE

Accurate

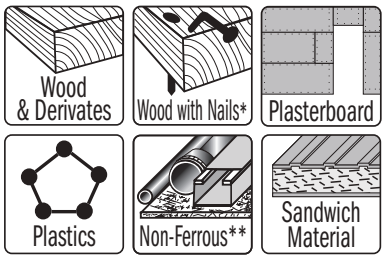
RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	45	40	1.3	20	20	**OMF223-X1**
5 in Clamshell	45	40	1.3	20	15	**OMF223-X5**
50 in Bulk Pack	45	40	1.3	20	6	**OMF223-X50**

OMF228 STARLOCK



RADIAL BLADE
65MM - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

LONG LIFE

Accurate

RADIAL SHAPE FOR ACCURATE CUTS

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
5 in Clamshell	65	40	1.3	20	15	**OMF228-X5**
50 in Bulk Pack	65	40	1.3	20	6	**OMF228-X50**

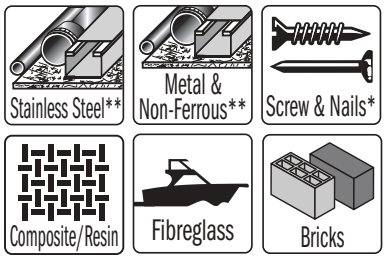
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF236 STARLOCK



new

RADIAL BLADE
32MM/40MM - HW - MULTI-MATERIALS



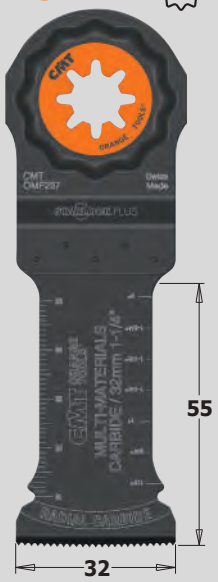
*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

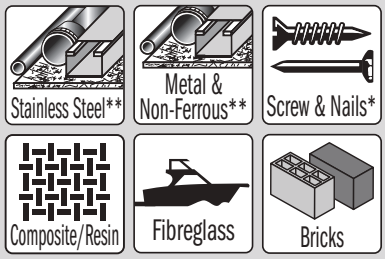
HW EXTRA LONG LIFE UP TO 20X

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	40	1.3	20	20	**OMF236-X1**

OMF237 STARLOCK PLUS



RADIAL BLADE
32MM/55MM - HW- MULTI-MATERIALS



*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

HW EXTRA LONG LIFE UP TO 20X

Accurate
RADIAL SHAPE FOR ACCURATE CUTS

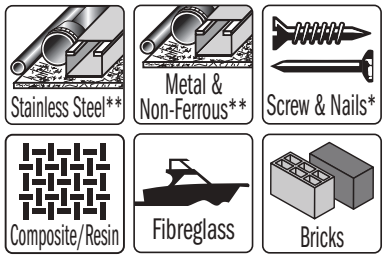
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCKPLUS®
1 in Clamshell	32	55	1.3	20	20	**OMF237-X1**

OMF238 STARLOCK



new

STRAIGHT BLADE
45MM/55MM - HW- MULTI-MATERIALS



*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

HW EXTRA LONG LIFE UP TO 20X

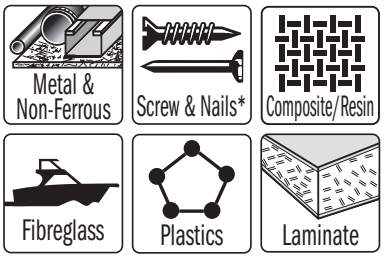
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	45	40	1.1	20	20	**OMF238-X1**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF157 STARLOCK



STRAIGHT BLADE
32MM - BIM - METAL



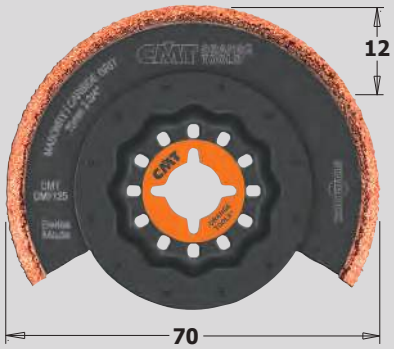
*Not Tempered / **Thickness ≤1mm

METAL

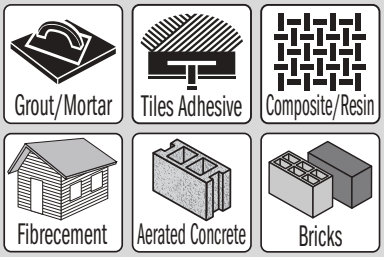
BIM 8% Co | LONG LIFE

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	50	1.3	20	20	**OMF157-X1**
5 in Clamshell	32	50	1.3	20	15	**OMF157-X5**
50 in Bulk Pack	32	50	1.3	20	6	**OMF157-X50**

OMF125 STARLOCK



SEGMENT BLADE
70MM - CARBIDE GRIT - MASONRY



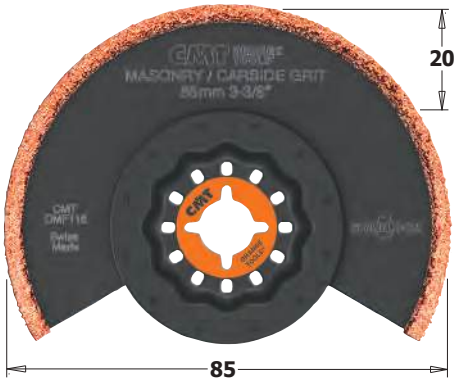
MASONRY

CARBIDE GRIT | EXTRA LONG LIFE

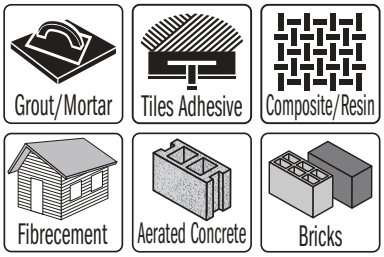
≤1.7MM ≤1/16" | GRIT 50

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	70	12	-	-	20	**OMF125-X1**

OMF118 STARLOCK



SEGMENT BLADE
85MM - CARBIDE GRIT - MASONRY



MASONRY

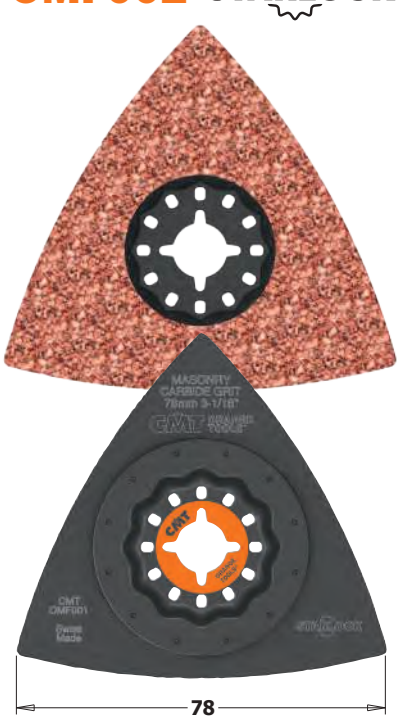
CARBIDE GRIT | EXTRA LONG LIFE

≤2.5MM ≤3/32" | GRIT 30

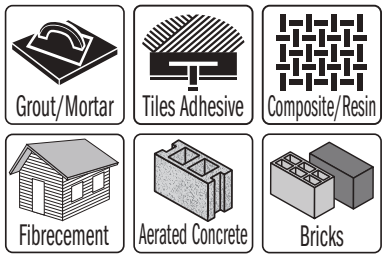
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	85	20	-	-	20	**OMF118-X1**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF001 STARLOCK



RASP
78MM - CARBIDE GRIT - MASONRY



MASONRY

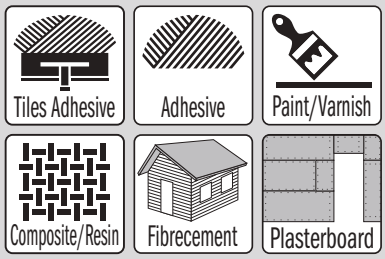
CARBIDE GRIT | EXTRA LONG LIFE | GRIT 20

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	78	-	-	-	20	**OMF001-X1**

OMF002 STARLOCK



RASP
32MM - CARBIDE GRIT - MASONRY

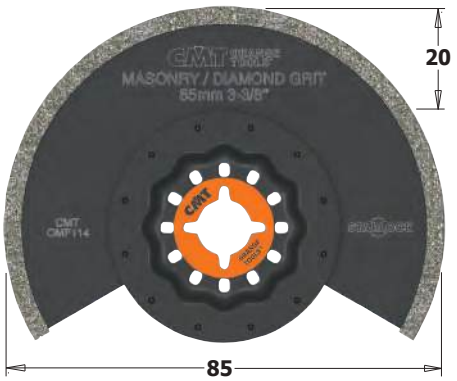


MASONRY

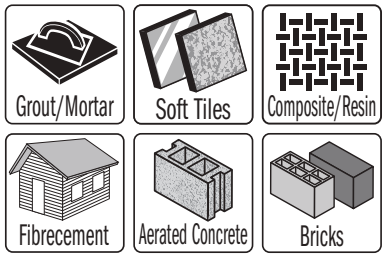
CARBIDE GRIT | EXTRA LONG LIFE | GRIT 40

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	32	53	-	-	20	**OMF002-X1**

OMF114 STARLOCK



SEGMENT BLADE
85MM - DIAMOND GRIT - MASONRY



MASONRY

GRIT | EXTRA LONG LIFE | ≤2MM ≤5/64" | GRIT 40

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	85	20	-	-	20	**OMF114-X1**

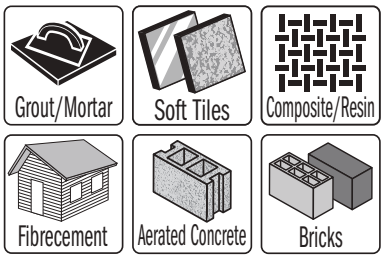
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF243 STARLOCK MAX



CORNER SEGMENT BLADE
68MM - DIAMOND GRIT - MASONRY

MASONRY





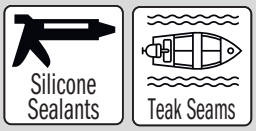
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCKMAX®
1 in Clamshell	68	30	-	-	20	**OMF243-X1**

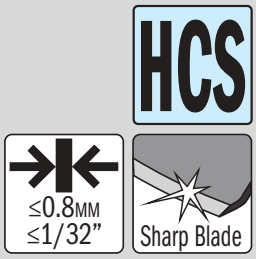
OMF201 STARLOCK



SEALANTS/TEAK SEAMS KNIFE
HCS - MULTI-MATERIALS

MULTI-MATERIALS





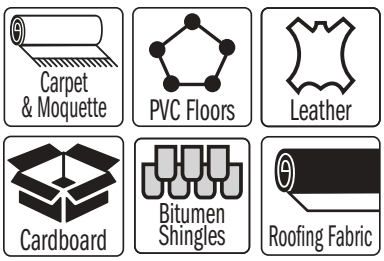
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	6	29	-	-	20	**OMF201-X1**

OMF251 STARLOCK



MULTI-KNIFE FOR SOFT MATERIALS
HCS - MULTI-MATERIALS

MULTI-MATERIALS





PACK Quantity	W mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	24 & 11	-	-	20	**OMF251-X1**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF239 STARLOCK



SCRAPER BLADE
28MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

Silicone Sealants

HCS

≤1MM
≤3/64”

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	28	40	-	-	20	**OMF239-X1**

OMF226 STARLOCK



SCRAPER BLADE FOR HARD RESIDUES
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

Grout/Mortar

Adhesive

HCS

≤0.8MM
≤1/32”

Sharp Blade

PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	52	26	-	-	20	**OMF226-X1**

OMF165 STARLOCK



SCRAPER BLADE FOR SOFT RESIDUES
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

Adhesive

Paint/Varnish

HCS

≤0.4MM
≤1/64”

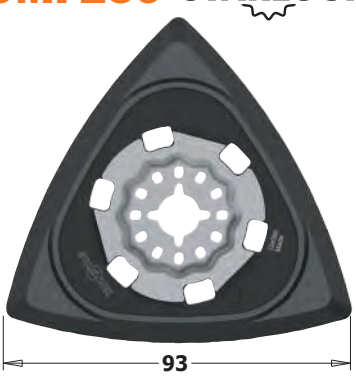
PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	52	40	-	-	20	**OMF165-X1**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

OMF136 STARLOCK

DELTA SANDING PLATE
93MM - VELCRO® - MULTI-MATERIALS

MULTI-MATERIALS



PACK Quantity	W mm	I mm	TS mm	TPI		ORDER NO. STARLOCK®
1 in Clamshell	93	-	-	-	20	OMF136-X1

OMA30000

DELTA POLISHING FLEECE
93MM - VELCRO® - MULTI-MATERIALS

MULTI-MATERIALS

Wood & Derivates | Plastics | Metal & Non-Ferrous | Paint/Varnish



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

OMA30

DELTA SANDING SHEETS
93MM - VELCRO® - WOOD

WOOD

Wood & Derivates | Paint/Varnish



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

OMF-X4 STARLOCK

WOOD | WOOD&METAL



4 PCS. GENERAL PURPOSE SET FOR OSCILLATING MULTI-TOOLS

PACK Quantity	MATERIAL	W mm	I mm	TS mm	TPI	ORDER NO.
1	HCS	32	50	1.4	18	OMF126-X1
1	BIM	32	50	1.3	20	OMF160-X1
1	BIM	50	50	1.4	18	OMF221-X1
1	HCS	65	40	1.8	14	OMF230-X1



8 Sets in End-cap display
(minimum 8 pieces or multiple)

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THE RIGHT BLADE FOR THE BEST RESULTS!

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

WOOD



WOOD&METAL



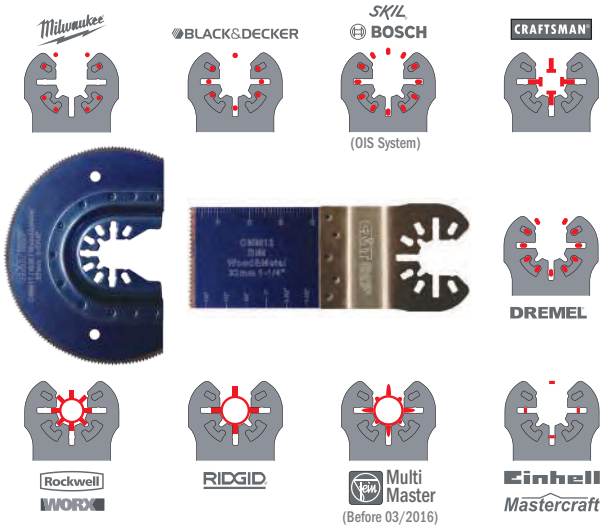
MULTI-MATERIALS

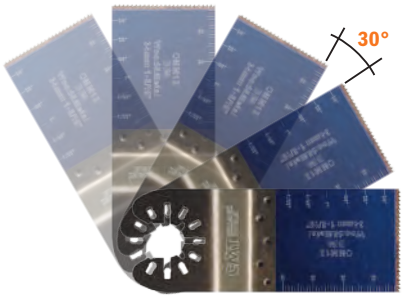


MASONRY



CMT UNIVERSAL ARBOR FITS MOST MULTI-CUTTERS ON THE MARKET

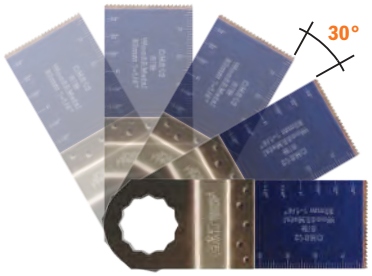




This tool mount also enables the accessory to be repositioned in 30-degree steps.

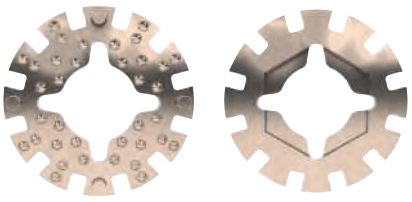
ARBOR FOR FEIN® SUPERCUT AND FESTOOL® VECTURO®





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

OMA31



FRONT BACK

UNIVERSAL ADAPTORS

This universal adaptor permits easy attachment of CMT accessories (OMM line) to most multi-cutter tools. 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

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OMM01 / OMS01

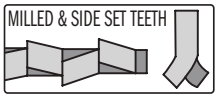
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



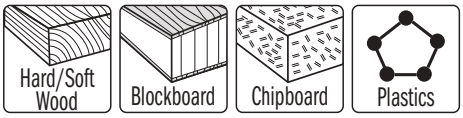


PLUNGE & FLUSH-CUT BLADE
10MM - HCS - WOOD

WOOD



HCS



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

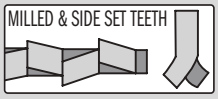
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



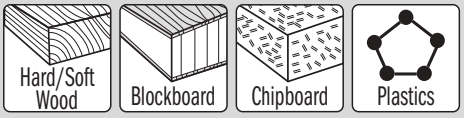


PLUNGE & FLUSH-CUT BLADE
22MM - HCS - WOOD

WOOD



HCS



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	
5 in Clamshell	22	48	18	5	OMM02-X5	OMS02-X5

OMM03 / OMS03

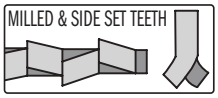
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



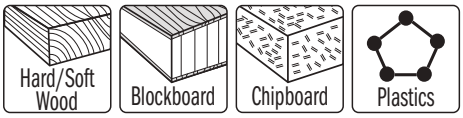


PLUNGE & FLUSH-CUT BLADE
28MM - HCS - WOOD

WOOD



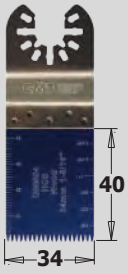
HCS



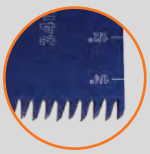
PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut
1 in Clamshell	28	48	18	10	OMM03-X1	
50 in Bulk Pack	28	48	18	2	OMM03-X50	OMS03-X50

OMM04 / OMS04

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



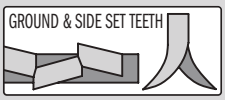




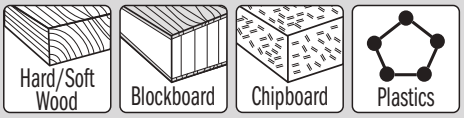
JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
34MM - HCS - WOOD

WOOD



HCS FAST CUT

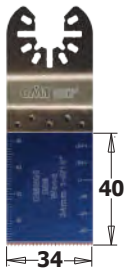


PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut
1 in Clamshell	34	40	14	10	OMM04-X1	
5 in Clamshell	34	40	14	5	OMM04-X5	
50 in Bulk Pack	34	40	14	2	OMM04-X50	OMS04-X50

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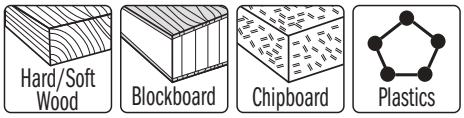
OMM05 / OMS05

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

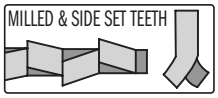




PLUNGE & FLUSH-CUT BLADE
34MM - BIM8%Co - WOOD



WOOD

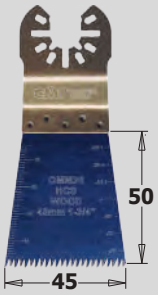


BIM 8% Co · EXTRA LONG LIFE

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 Bulk Pack	34	40	18	2	OMM05-X50	OMS05-X50

OMM36

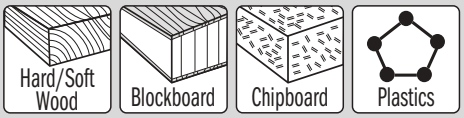
Universal Arbor



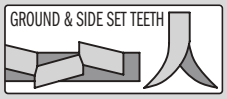


JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
45MM - HCS - WOOD



WOOD

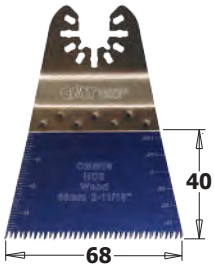


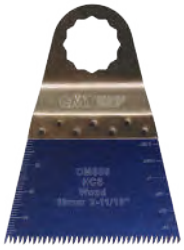
HCS · FAST CUT

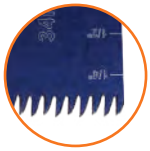
PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor
5 in Clamshell	45	50	14	5	OMM36-X5
50 in Bulk Pack	45	50	14	2	OMM36-X50

OMM06 / OMS06

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

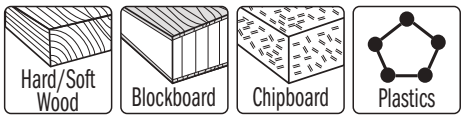




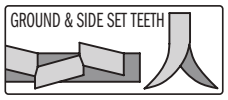


JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
68MM - HCS - WOOD



WOOD

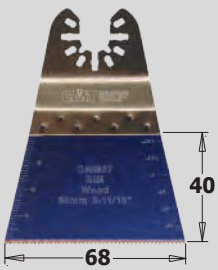


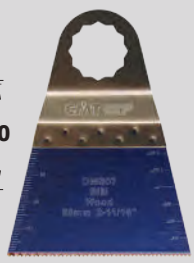
HCS · FAST CUT

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	
50 in Bulk Pack	68	40	14	2	OMM06-X50	OMS06-X50

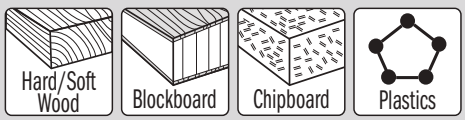
OMM07 / OMS07

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

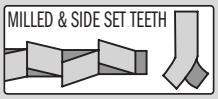




PRECISION CUT BLADE - JAPANESE TOOTHING
68MM - BIM8%Co - WOOD



WOOD



BIM 8% Co · LONG LIFE

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 Bulk Pack	68	40	18	2	OMM07-X50	OMS07-X50

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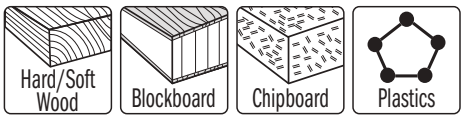
OMM08 / OMS08

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®





RADIAL BLADE - SEGMENTED
87MM - HCS - WOOD



WOOD



HCS

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

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

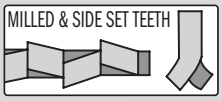




PLUNGE & FLUSH-CUT BLADE
10MM - BIM8%Co - WOOD&METAL



WOOD&METAL

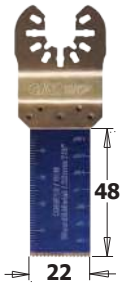


BIM 8% Co

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 Bulk Pack	10	28	18	2	OMM09-X50	OMS09-X50

OMM10 / OMS10

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

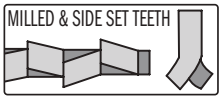




PLUNGE & FLUSH-CUT BLADE
22MM - BIM8%Co - WOOD&METAL



WOOD&METAL



BIM 8% Co

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	
5 in Clamshell	22	48	18	5	OMM10-X5	
50 in Bulk Pack	22	48	18	2	OMM10-X50	OMS10-X50

OMM11 / OMS11

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

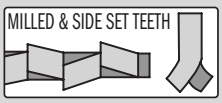




PLUNGE & FLUSH-CUT BLADE
28MM - BIM8%Co - WOOD&METAL



WOOD&METAL



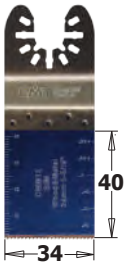
BIM 8% Co

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	
5 in Clamshell	28	48	18	5	OMM11-X5	
50 in Bulk Pack	28	48	18	2	OMM11-X50	OMS11-X50

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OMM12 / OMS12

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



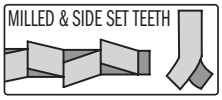


OMS12
W=32mm

PLUNGE & FLUSH-CUT BLADE
34MM - BIM8%Co - WOOD&METAL



WOOD&METAL



BIM 8% Co

PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut
1 in Clamshell	34	40	18	10	OMM12-X1	
5 in Clamshell	34	40	18	5	OMM12-X5	OMS12-X5
50 in Bulk Pack	34	40	18	2	OMM12-X50	OMS12-X50

OMM13 / OMS13

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



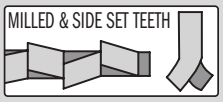


OMS13
W=32mm

PLUNGE & FLUSH-CUT BLADE
34MM - BIMTiN - WOOD&METAL



WOOD&METAL

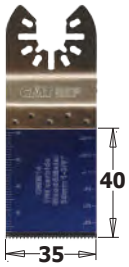


BIM TiN
EXTRA LONG LIFE
130% LONGER LIFE

PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut
1 in Clamshell	34	40	18	10	OMM13-X1	OMS13-X1
5 in Clamshell	34	40	18	5	OMM13-X5	OMS13-X5
50 in Bulk Pack	34	40	18	2	OMM13-X50	OMS13-X50

OMM14

Universal Arbor



PLUNGE & FLUSH-CUT BLADE
35MM - HW - WOOD&METAL



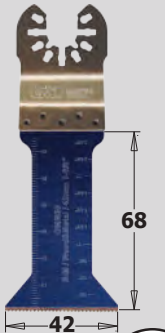
WOOD&METAL

HW
EXTRA LONG LIFE
2X LONGER LIFE

PACK Quantity	W mm	I mm	TPI		ORDER NO. Universal Arbor
1 in Clamshell	35	40	20	10	OMM14-X1

OMM35 / OMS35

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



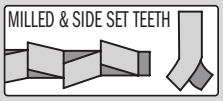
EXTRA LONG



PLUNGE & FLUSH-CUT BLADE
42MM - BIM8%Co - WOOD&METAL



WOOD&METAL



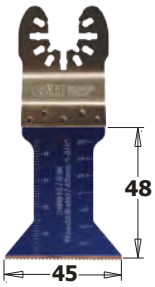
BIM 8% Co

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	
50 in Bulk Pack	42	68	18	2	OMM35-X50	OMS35-X50

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OMM15 / OMS15

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

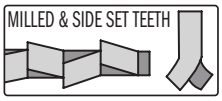




PLUNGE & FLUSH-CUT BLADE
45MM - BIM8%Co - WOOD&METAL



WOOD&METAL



BIM 8% Co

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**	
5 in Clamshell	45	48	18	5	**OMM15-X5**	
50 in Bulk Pack	45	48	18	2	**OMM15-X50**	**OMS15-X50**

OMM16 / OMS16

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

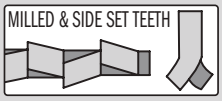




PLUNGE & FLUSH-CUT BLADE
45MM - BIMTiN - WOOD&METAL



WOOD&METAL



BIM TiN EXTRA LONG LIFE

130% LONGER 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 Bulk Pack	45	48	18	2	**OMM16-X50**	**OMS16-X50**

OMM17 / OMS17

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®





RADIAL BLADE - SEGMENTED
87MM - BIM8%Co - WOOD&METAL



WOOD&METAL

BIM 8% Co 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

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®





RADIAL BLADE - SEGMENTED
87MM - BIMTiN - WOOD&METAL



WOOD&METAL

BIM TiN EXTRA LONG LIFE

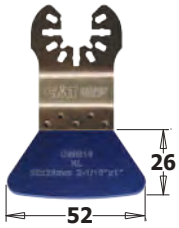
130% LONGER LIFE

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**

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OMM19 / OMS19

OMM19: Universal Arbor
OMS19: Arbor for FEIN® SuperCut FESTOOL® VECTURO®

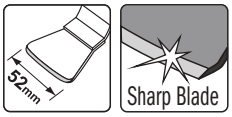




RIGID SCRAPER BLADE
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

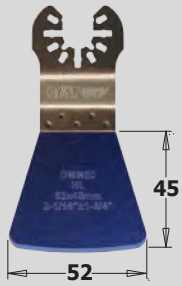
HCS



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

OMM20: Universal Arbor
OMS20: Arbor for FEIN® SuperCut FESTOOL® VECTURO®

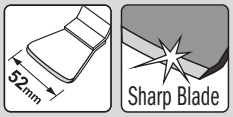




FLEXIBLE SCRAPER
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

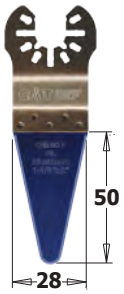
HCS



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

OMM21: Universal Arbor
OMS21: Arbor for FEIN® SuperCut FESTOOL® VECTURO®

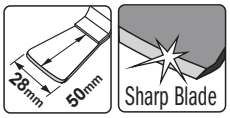




SHARP CORNER SCRAPER
28MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

HCS



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 Bulk Pack	28	50		2	OMM21-X50	OMS21-X50

OMM22 / OMS22

OMM22: Universal Arbor
OMS22: Arbor for FEIN® SuperCut FESTOOL® VECTURO®

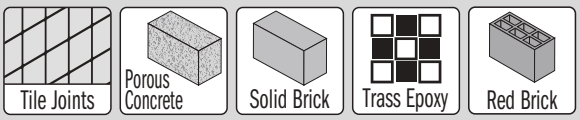




RADIAL BLADE - SEGMENTED
87MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



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

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OMM23 / OMS23

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

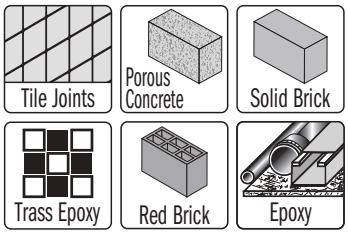




RADIAL BLADE - SEGMENTED
87MM - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE



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 Bulk Pack	87	1.6		2	OMM23-X25	OMS23-X25

OMM24 / OMS24

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

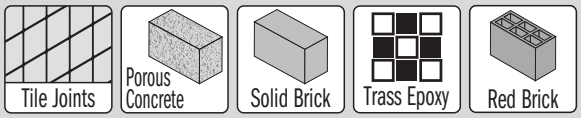




RADIAL BLADE - SEGMENTED
65MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



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

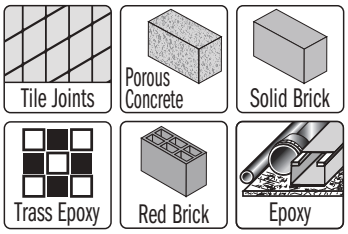
Universal Arbor



RADIAL BLADE - SEGMENTED
65MM - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE



PACK Quantity	W mm	K mm			ORDER NO. Universal Arbor
1 in Clamshell	65	2		10	OMM27-X1

OMM26

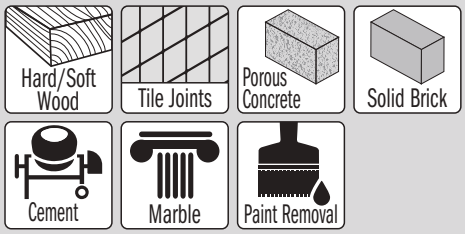
Universal Arbor



FINGERTIP RASP - DOUBLE-SIDED
35MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



PACK Quantity	W mm	I mm			ORDER NO. Universal Arbor
1 in Clamshell	33	35		10	OMM26-X1

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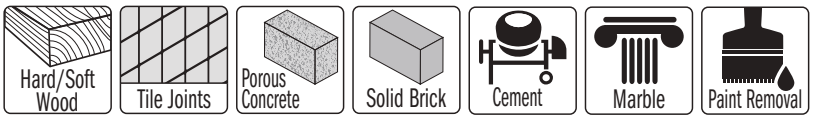
OMM25
Universal Arbor



DELTA RASP
80MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



PACK Quantity	W mm				ORDER NO. Universal Arbor
1 in Clamshell	80			10	OMM25-X1

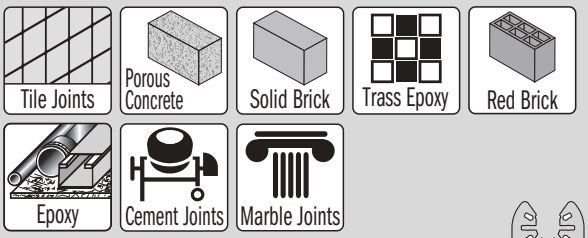
OMM28
Universal Arbor



SEGMENT
57MM - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE



PACK Quantity	W mm	K mm			ORDER NO. Universal Arbor
1 in Clamshell	57	2		10	OMM28-X1
25 in Clamshell	57	2		4	OMM28-X25

OMM29
Universal Arbor



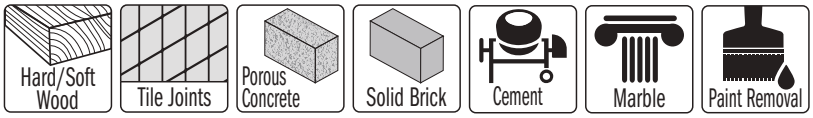
OMS29
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



GROUT AND MORTAR REMOVER
65MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



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®



DELTA SANDING PLATE
93MM - MULTI-MATERIALES

MULTI-MATERIALS



PACK Quantity	W mm				ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut
1 in Clamshell	93			10	OMM30-X1	OMS30-X1

SEE PAGE 124

DELTA POLISHING FLEECE
93MM - MULTI-MATERIALS



OMA30000



OMA30

DELTA SANDING SHEETS
93MM - WOOD

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WOOD

WOOD&NAILS

OMM-X4

Universal Arbor



4 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

- 2 blades with Japanese Toothing for cutting wood, chipboard, plasterboard and plastics.
- 2 blades in BIM for cutting wood products, chipboard, plasterboard, fiberglass, epoxy resins, soft plastics, sheet metal, aluminium pipes and profiles. Cuts through embedded nails in wood up to 5mm in diameter as well as porous concrete.

8 Sets in End-cap display
(minimum 8 pieces or multiple)



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

OMM-X33

Universal Arbor



6 SETS BULK PACK

33 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

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

PACK Quantity	W mm	I mm	TPI	GRIT	ORDER NO.
1	34	40	18		**OMM12-X1**
1	52	45			**OMM20-X1**
1	93				**OMM30-X1**
10	93			60	**OMA30060-X10**
10	93			100	**OMA30100-X10**
10	93			180	**OMA30180-X10**

OMM-X37

Universal Arbor



FRONT



BACK

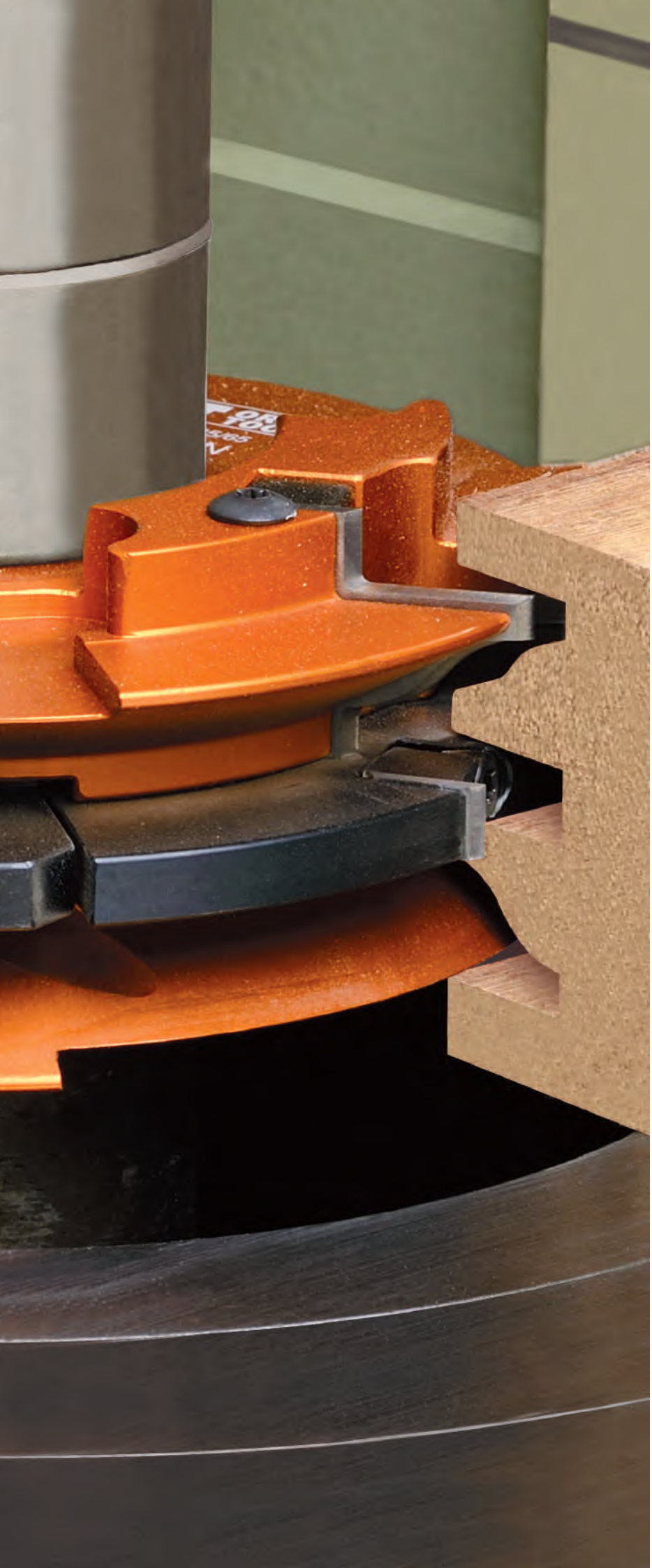
37 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

- blades (in two diameters) for cutting in wood, plastic, plasterboard, sheet metal, profiles and pipes in aluminum and copper.
- segmented blade for cutting wood and metal.
- scraper for removing carpet adhesive/glue residues as well as paint and silicone residues.
- rasp in carbide for grinding/sanding/removal of tiles, plasterboard, cement, wood and construction materials.
- specially designed blade to remove mortar, bonding materials, cement and stone, even in hard to reach corners.
- sanding pad and sanding sheets (60, 100, 180 grit).

4 Sets in End-cap display
(minimum 4 pieces or multiple)



PACK Quantity	W mm	I mm	TPI	GRIT	ORDER NO.
1	10	28	18		**OMM09-X1**
1	34	40	18		**OMM12-X1**
1	87		20		**OMM17-X1**
1	52	45			**OMM20-X1**
1	80				**OMM25-X1**
1	65				**OMM29-X1**
1	93			10	**OMM30-X1**
10	93			60	**OMA30060-X10**
10	93			100	**OMA30100-X10**
10	93			180	**OMA30180-X10**



CUTTER HEADS, INSERT KNIVES & SPARE PARTS

PRODUCTS	PAGE
Rabbeting Cutter Heads	136-137
Adjustable Grooving Set	138-139
Planing & Jointing Spiral Cutter Heads	140
Adjustable Rounding & Chamfering Set	141
Chamfer Cutter Heads	142-143
Multiradius Roundover Cutter Heads	144~146
Jointing Cutter Heads	147~149
Panel Cutter Heads	150-151
Profile Cutter Heads	152~154
Cutter Heads with Universal Knives & Sets	155~157
Profile Knives & Limiters	158~170
Blank Knives & Limiters	171
Bore Reducers	171
HWM Reversible Knives for Portable Planers	172
HSS Corrugated Back Moulder Knives	173
Magnetic Knife Setting Jigs	173
Planer & Jointer Knives	174-175
HWM Reversible Knives	176-177

CMT XTREME BALANCING®



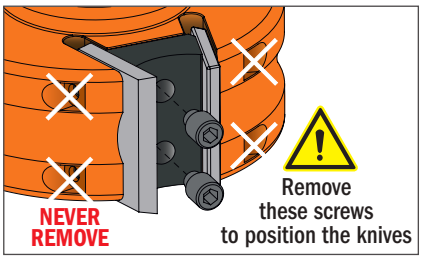
694.020

These cutter heads have been designed for:
- Rabbeting from either top or bottom.
- Jointing.
- Grooving.
- Profile knives on pages 158~167

For use on spindle moulder machines, moulder, 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.



SAFETY TIPS

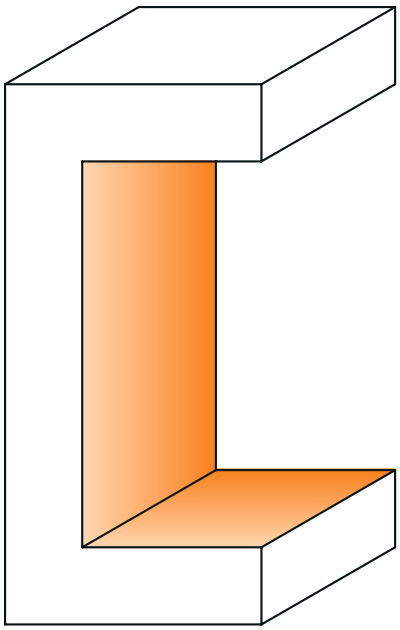


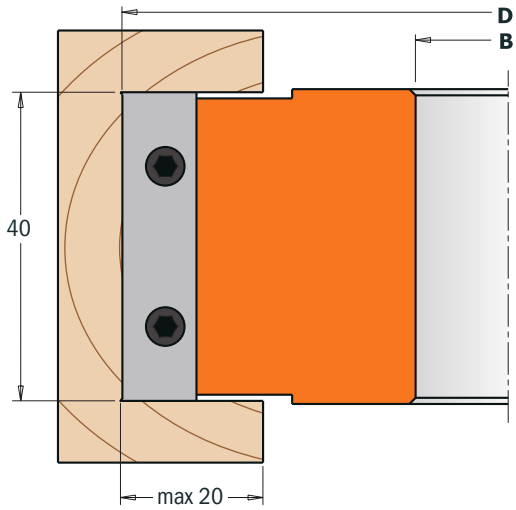
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



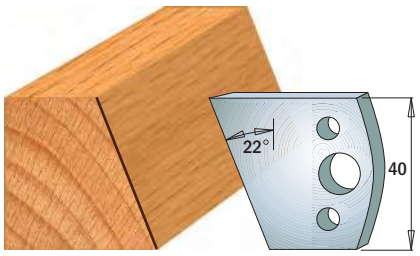
SUPPLIED IN A STURDY PLASTIC CARRY CASE

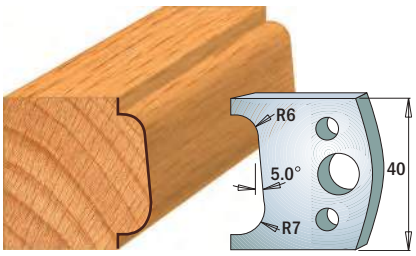
Drawing is 1:1 scale

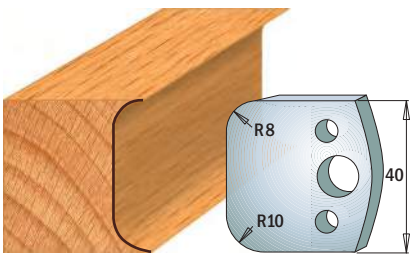




To use with all 40mm profile knives
(refer to pages 158 to 167)







D mm	B mm	I mm	Z+V	RPM		ORDER NO.
100	30	40	2+2	5800~9000	1	**694.020.30**
100	31.75	40	2+2	5800~9000	1	**694.020.31**
125	35	40	2+2	4800~7400	1	**694.020.35**
125	40	40	2+2	4800~7400	1	**694.020.40**
125	50	40	2+2	4800~7400	1	**694.020.50**

Spare parts: **691.192** Pair of limiters 38mm
695.020.01 Indexable knife edge block 38x4x15mm

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

*Minimum 10 pieces or multiple



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.

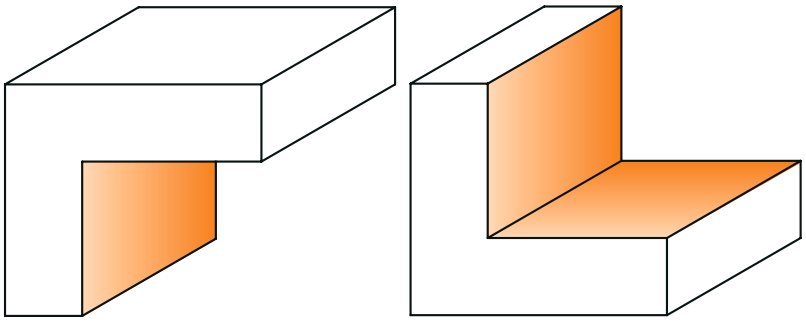
TECHNICAL DETAILS:

- 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.

SAFETY TIPS

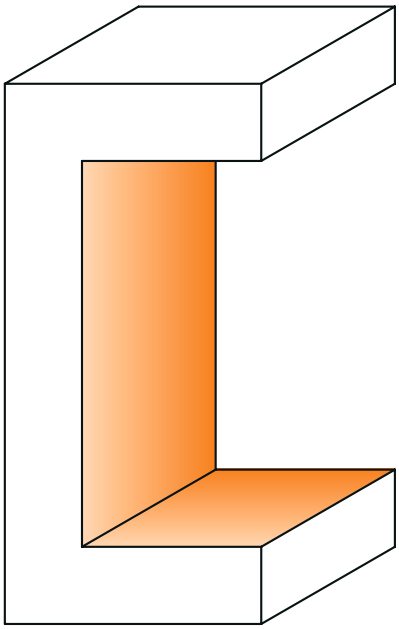


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

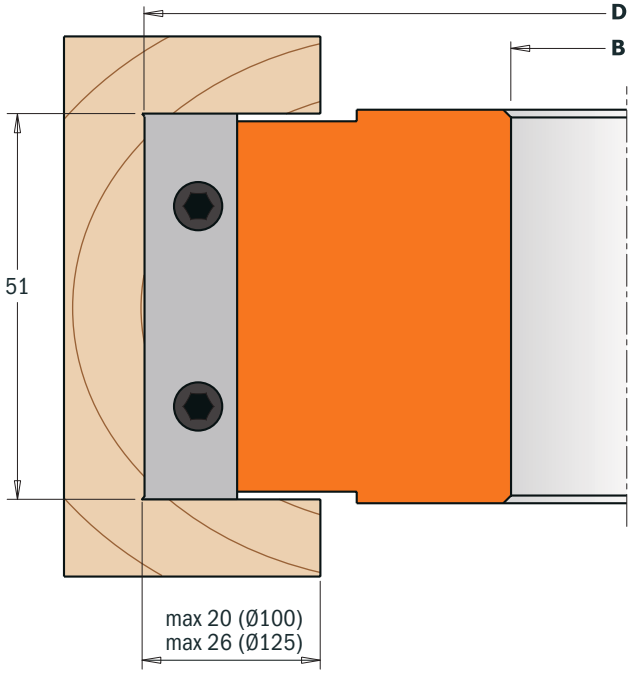




SUPPLIED IN A STURDY PLASTIC CARRY CASE



Drawing is 1:1 scale



D mm	B mm	I mm	Z+V	RPM		ORDER NO.
100	19.05	51	2+4	7500~12500	1	**694.100.19**
100	30	51	2+4	7500~12500	1	**694.100.30**
100	31.75	51	2+4	7500~12500	1	**694.100.31**
100	35	51	2+4	7500~12500	1	**694.100.35**
125	40	51	2+4	6100~10000	1	**694.125.40**
125	50	51	2+4	6100~10000	1	**694.125.50**

Spare parts

790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00
790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00
790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00
790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00
790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00
790.140.00*	990.093.00	991.073.00	790.500.00*	695.999.46	990.064.00	991.064.00

*Minimum 10 pieces or multiple



694.001

INSERT CARBIDE | MAN | Z4 | V4

These cutter heads are the ideal tools to create precision slots and grooves 4-15mm in depth.
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 spindle moulder machines, moulder, double-end tenoner and edging machines.
Perfect grooving on all materials, but ideal on hardwood, plywood and laminated panels.

SAFETY TIPS



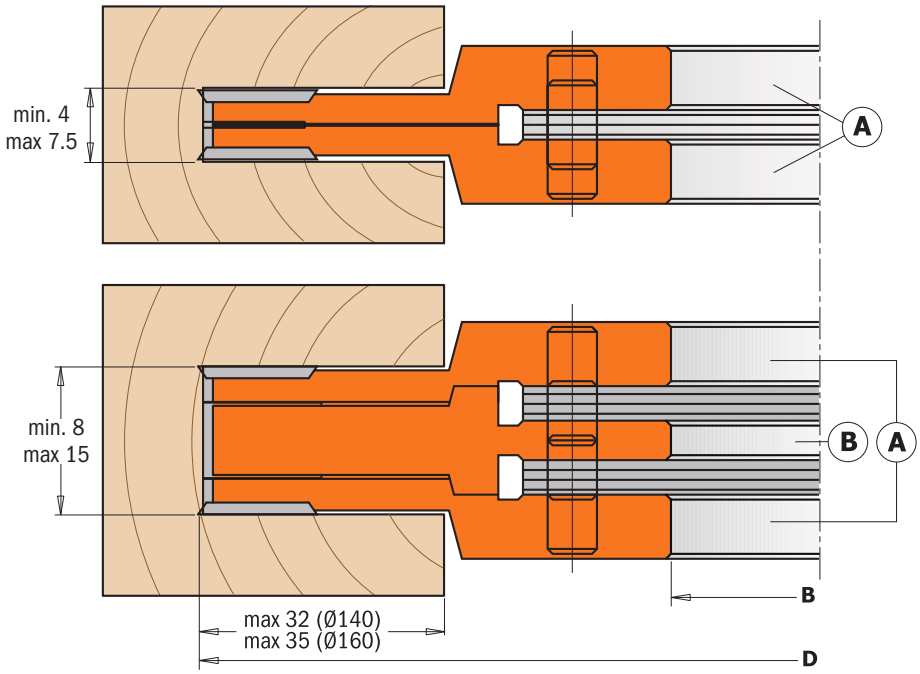
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

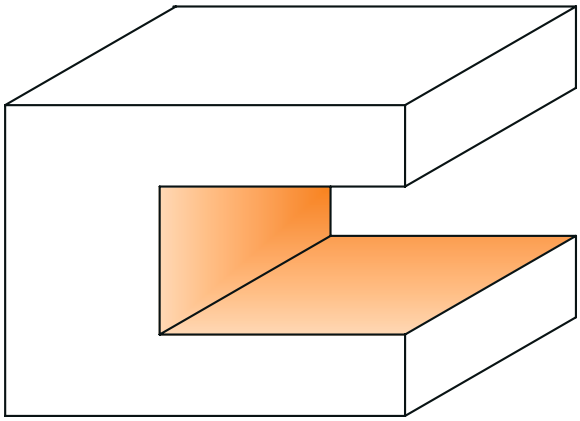
TECHNICAL DETAILS:

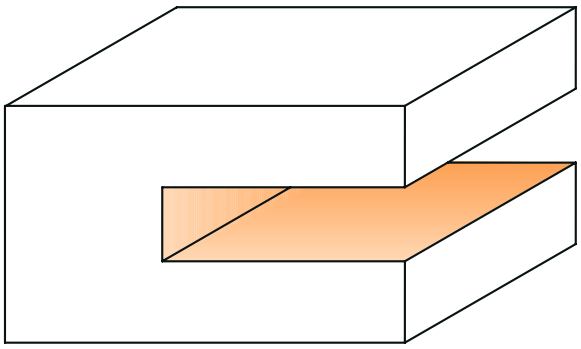
- Strength steel body.
- 2 HWM Knives 7.65x12x1.5mm [Z2].
- 4 HWM Knives 18x18x1.95mm [Z4].
- 4 HWM Knives 14x14x1.2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.



SUPPLIED IN A STURDY PLASTIC CARRY CASE







Drawing is 1:1 scale

D mm	B mm	Z+V	RPM		ORDER NO.
140	30	4+4	5500~9500	1	**694.001.30**
140	31.75	4+4	5500~9500	1	**694.001.31**
140	35	4+4	5500~9500	1	**694.001.35**
160	40	4+4	4800~8300	1	**694.001.40**
160	50	4+4	4800~8300	1	**694.001.50**

Spare parts

790.181.00*	790.140.10*	790.076.00*	695.998.21
790.181.00*	790.140.10*	790.076.00*	695.998.22
790.181.00*	790.140.10*	790.076.00*	695.998.23
790.181.00*	790.140.10*	790.076.00*	695.998.24
790.181.00*	790.140.10*	790.076.00*	695.998.25

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

*Minimum 10 pieces or multiple

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



694.021 - 694.022

These cutter heads are the perfect tools to create precision slots and grooves 14-39mm in depth.
This set includes:
- 1 cutter head type **(A)** [Z2 + V2]
- 1 cutter head type **(B)** [Z2 + V2]
- set of spacer rings.

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



SUPPLIED IN A STURDY PLASTIC CARRY CASE

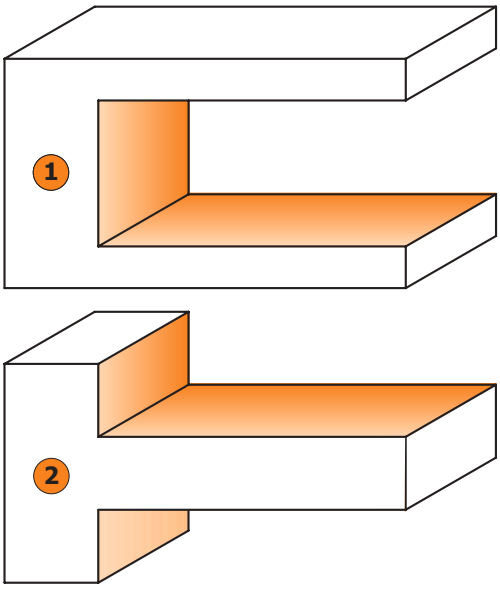
TECHNICAL DETAILS:

- 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.

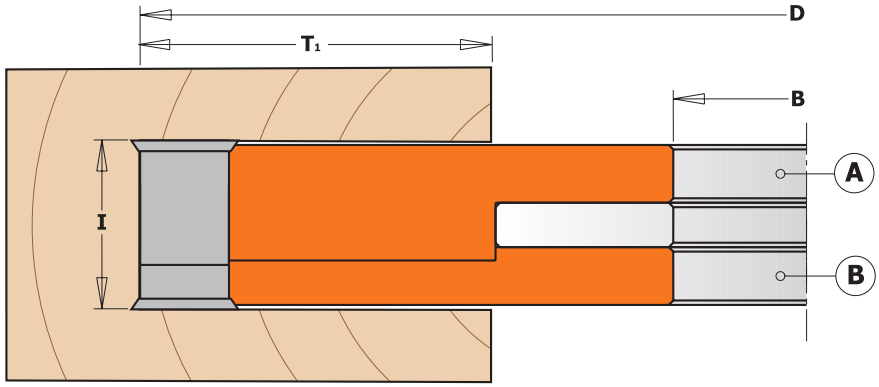
SAFETY TIPS

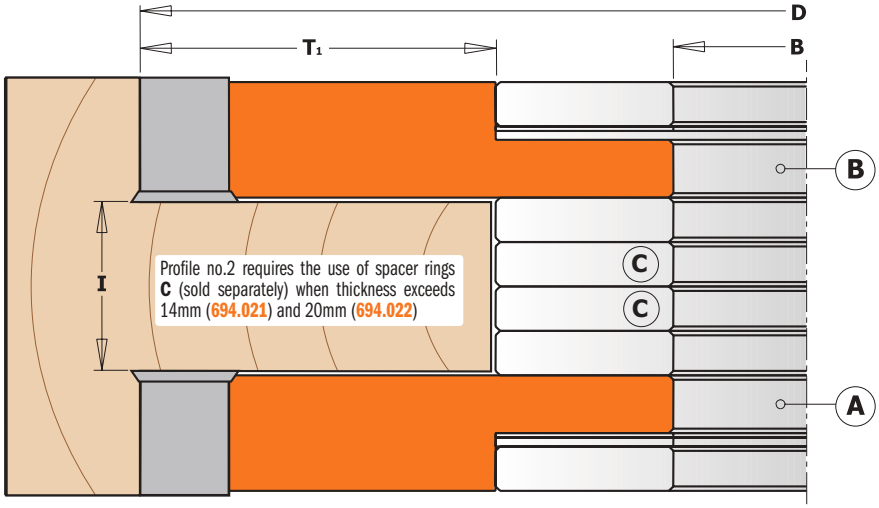


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



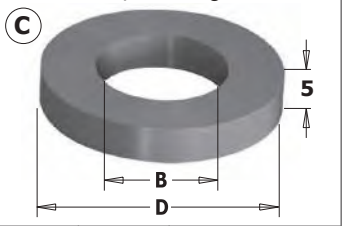
Drawing is 1:1 scale





Profile no.2 requires the use of spacer rings **C** (sold separately) when thickness exceeds 14mm (694.021) and 20mm (694.022)

299 Spacer Rings *(Optional)*



B mm	D mm	ORDER NO.
30	60	**299.560.30**
31.75	60	**299.560.31**
35	60	**299.560.35**
40	60	**299.560.40**
50	70	**299.570.50**

D mm	I mm	B mm	T1 mm	Z+V	RPM		ORDER NO.
150	14-27	30	44	4+4	5000~8000	1	**694.021.30**
150	14-27	31.75	44	4+4	5000~8000	1	**694.021.31**
150	14-27	35	44	4+4	5000~8000	1	**694.021.35**
150	14-27	40	44	4+4	5000~8000	1	**694.021.40**
160	14-27	50	44	4+4	5000~8000	1	**694.021.50**
170	20-39	30	54	4+4	4400~7400	1	**694.022.30**
170	20-39	31.75	54	4+4	4400~7400	1	**694.022.31**
170	20-39	35	54	4+4	4400~7400	1	**694.022.35**
170	20-39	40	54	4+4	4400~7400	1	**694.022.40**
170	20-39	50	49	4+4	4400~7400	1	**694.022.50**

Spare parts

790.136.00*	990.093.00			695.998.41
790.136.00*	990.093.00			695.998.42
790.136.00*	990.093.00			695.998.43
790.136.00*	990.093.00			695.998.44
790.136.00*	990.093.00			695.998.45
790.140.00*	990.093.00	790.195.12*	990.094.00	695.998.46
790.140.00*	990.093.00	790.195.12*	990.094.00	695.998.47
790.140.00*	990.093.00	790.195.12*	990.094.00	695.998.48
790.140.00*	990.093.00	790.195.12*	990.094.00	695.998.49
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

*Minimum 10 pieces or multiple

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694.019

INSERT CARBIDE | MAN | Z12

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

TECHNICAL DETAILS:

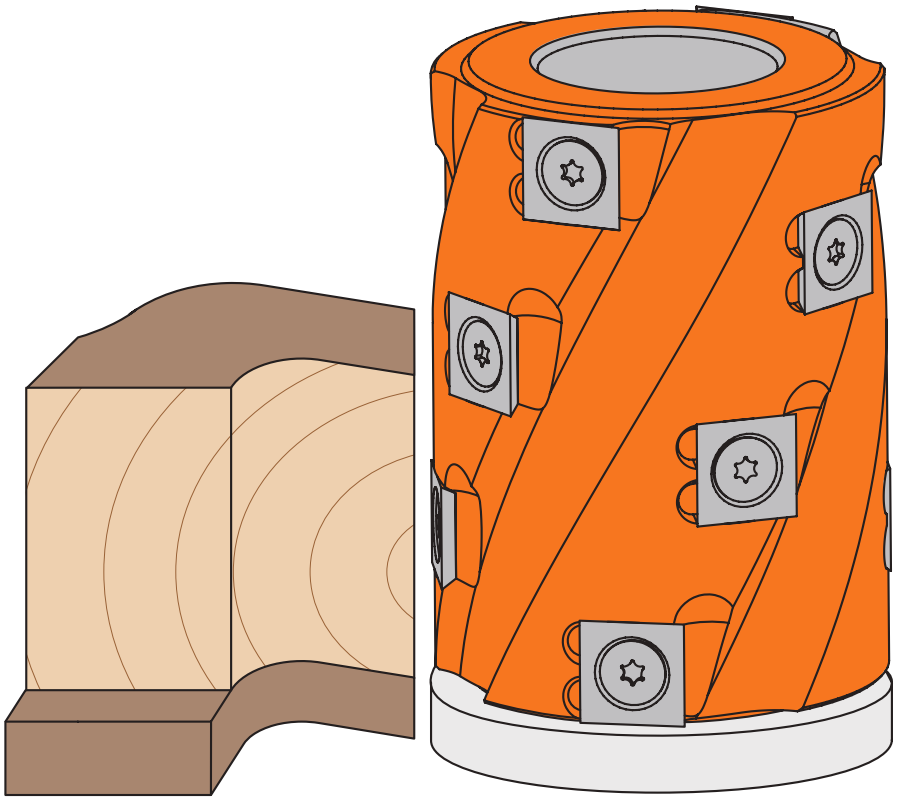
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 12 HWM Knives 14x14x2mm [Z2] with 4 spiral indexing.
- Tools for manual feed (MAN).

Supplied in a sturdy plastic twistpack.

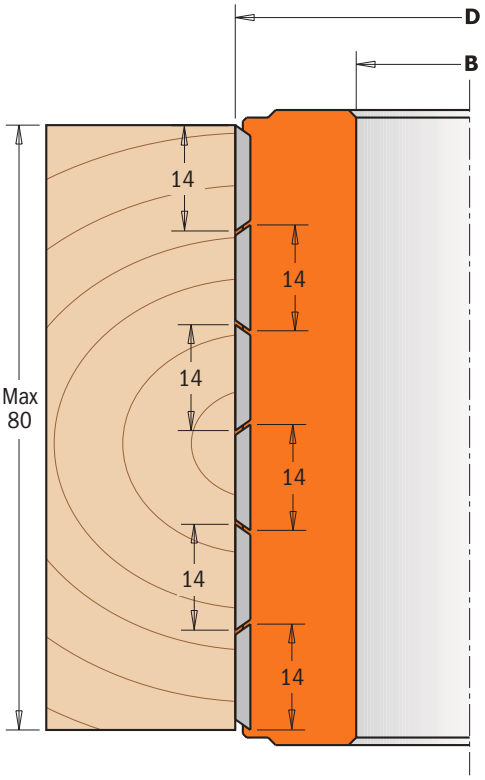
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



Optional bearing



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

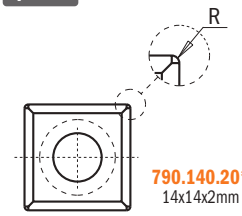
Spare parts

790.140.00*	990.093.00	991.073.00
790.140.00*	990.093.00	991.073.00
790.140.00*	990.093.00	991.073.00
790.140.00*	990.093.00	991.073.00

*Minimum 10 pieces 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: Ideal for working curved elements together with the appropriate bearing (sold separately) and a guide fence.
In order to achieve an extra-fine finish, order the optional knife **790.140.20***





SUPPLIED IN A STURDY PLASTIC CARRY CASE

694.005

The CMT adjustable rounding and chamfering set consists of two pieces for easy to set up on your splindle moulder machine. 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.

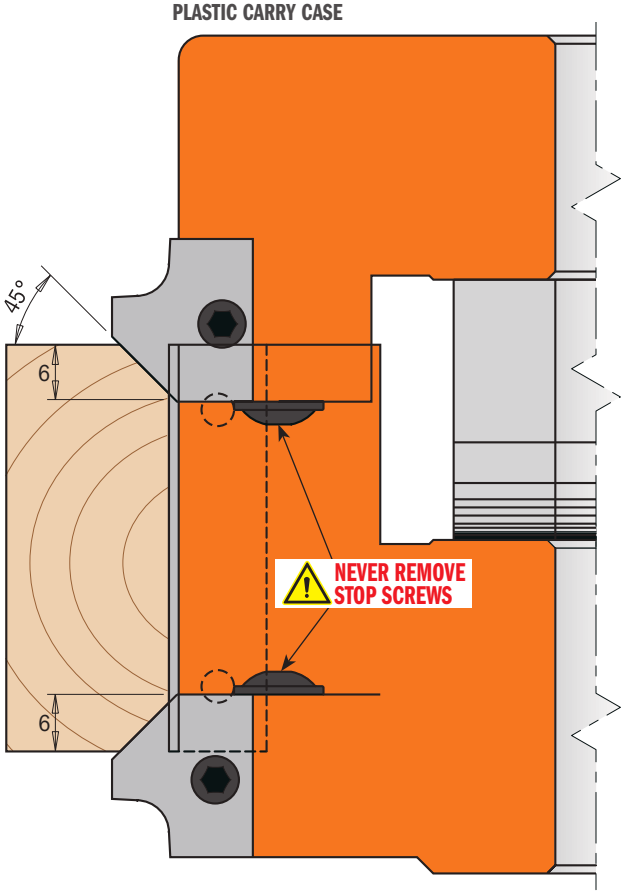
TECHNICAL DETAILS:

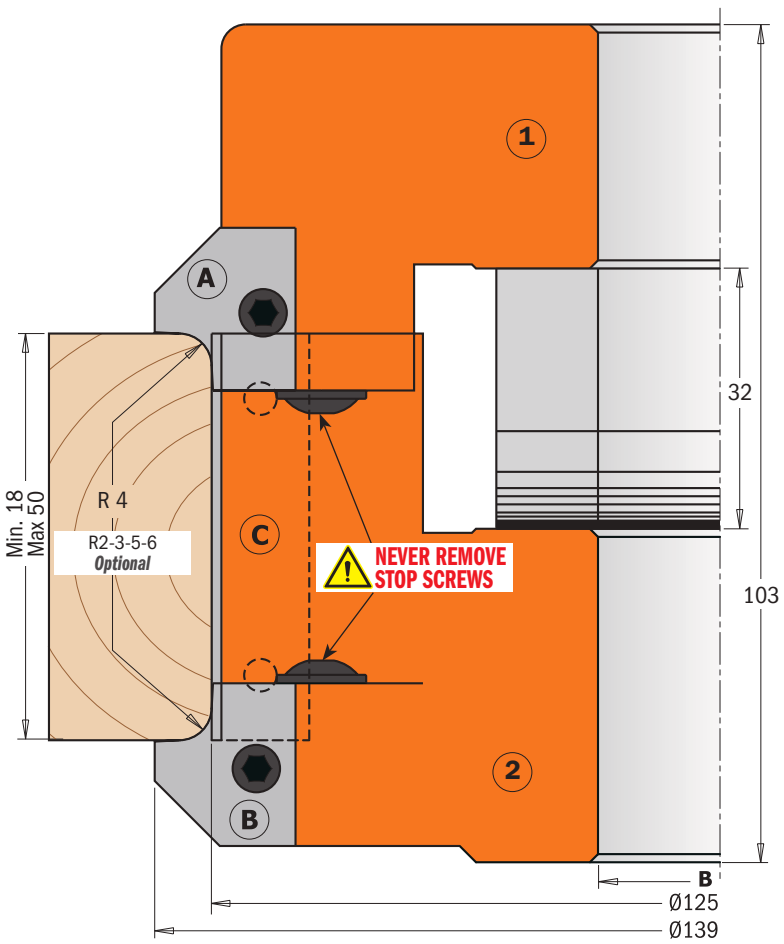
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- One pair of HWM top knives **(A)** radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- One pair of HWM bottom knives **(B)** radius 4mm and 45° chamfer (20x20.5x2mm) [Z2].
- 2 HWM knives 50x12x1.5mm.
- Set of 21 spacer rings from 0.1 to 3mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





D mm	B mm	Z	RPM		ORDER NO.
139	30	2+2	5500~9400	1	**694.005.30**
139	31.75	2+2	5500~9400	1	**694.005.31**
139	35	2+2	5500~9400	1	**694.005.35**
139	40	2+2	5500~9400	1	**694.005.40**
139	50	2+2	5500~9400	1	**694.005.50**

Spare parts

17x11x9.5mm	46x11x9.5mm		
695.999.17	695.999.46	990.064.00	695.998.11
695.999.17	695.999.46	990.064.00	695.998.12
695.999.17	695.999.46	990.064.00	695.998.13
695.999.17	695.999.46	990.064.00	695.998.14
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)





SUPPLIED IN A STURDY PLASTIC CARRY CASE

694.002

INSERT CARBIDE | MAN | Z2

CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work.
For use on spindle moulder machines, moulder, double-end tenoners, edge banding machines.
Suitable for all materials, but ideal on hardwood, plywood and laminated panels.

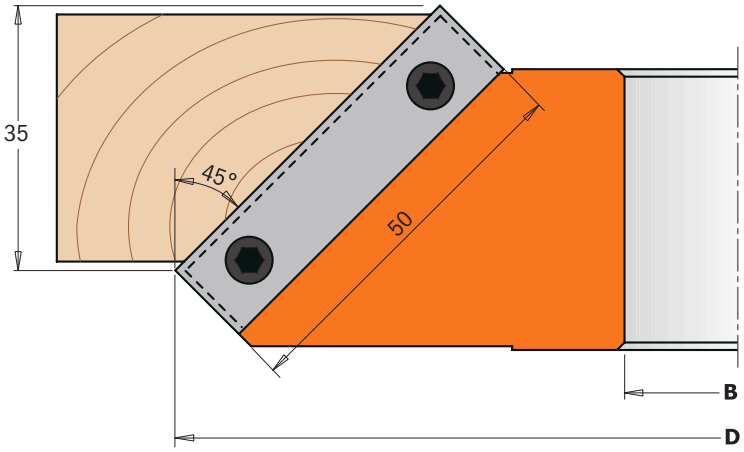
TECHNICAL DETAILS:

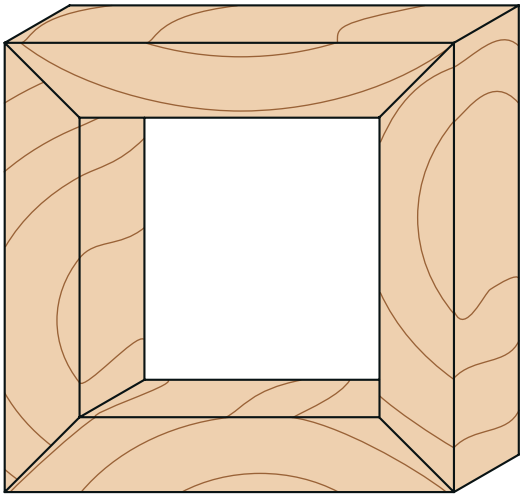
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives 50x12x1.5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

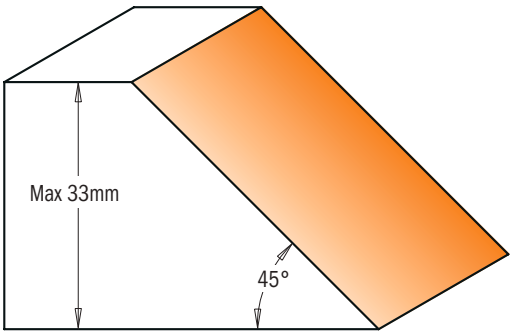
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







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	5100~8800	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

*Minimum 10 pieces or multiple



694.018

INSERT CARBIDE · MAN · Z2

This adjustible chamfer cutter head carries out very precise cuts on solid boards.
For use on spindle moulding machines, moulder, double-end tenoners and edging 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°).

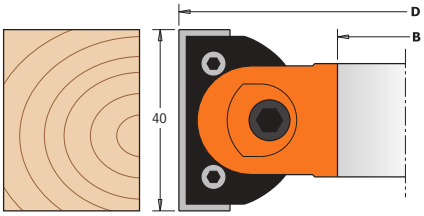


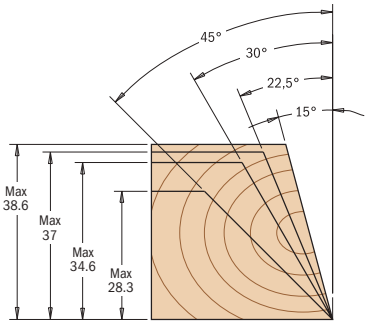
SUPPLIED IN A STURDY PLASTIC CARRY CASE

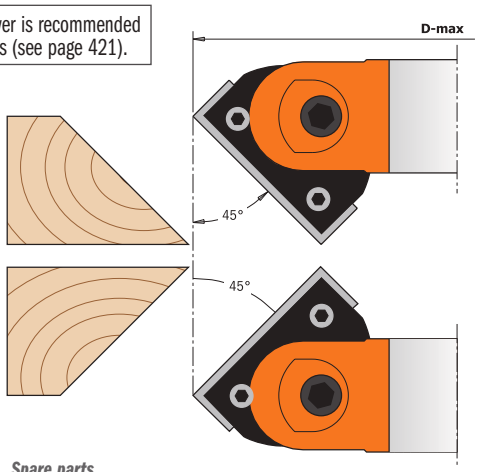
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







D mm	l mm	B mm	Z	D_Max 45° mm	RPM		ORDER NO.
120	40	30	2	140	6400~8500	1	**694.018.30**
120	40	35	2	140	6400~8500	1	**694.018.35**
145	40	40	2	165	5900~7400	1	**694.018.40**
145	40	50	2	165	5900~7400	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

*Minimum 10 pieces or multiple

Professional Adjustable Chamfer Cutter Heads ±90°



694.017

INSERT CARBIDE · MAN · Z2

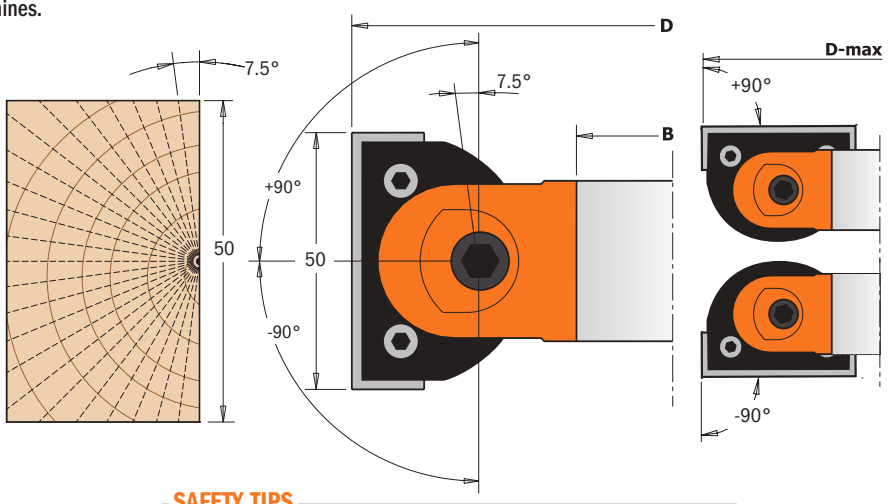
These new professional adjustable chamfer cutter heads carry out precise cuts, accurate bevels and joint work on solid wooden boards. **For use on spindle moulder machines, moulder, double-end tenoner and edging machines.**

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 STURDY PLASTIC CARRY CASE



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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: **991.084.00** 4x100x145mm hex key

*Minimum 10 pieces or multiple



694.003

INSERT CARBIDE | MAN | Z2

Innovative cutter heads featuring 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 making 4-8mm and 3-6mm radii. **For use on spindle moulder machines, moulder machines and shaping machines.** Suitable for all materials, but ideal on hard wood and panels.

TECHNICAL DETAILS:

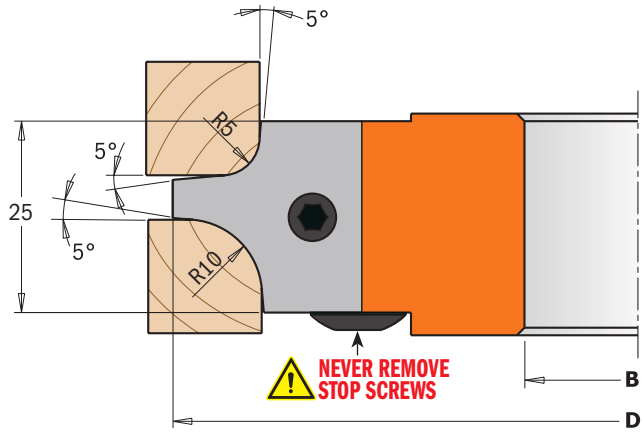
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 5/10mm (25x24.8x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

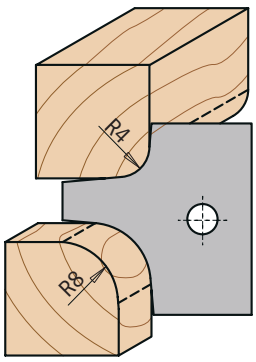
Standard — Pair of knives **695.003.05**



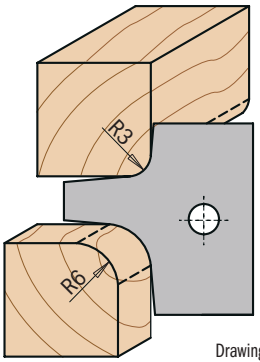


SUPPLIED IN A STURDY PLASTIC CARRY CASE

Optional



Pair of knives **695.003.04**



Drawing is 1:1 scale

Pair of knives **695.003.03**

D mm	B mm	Z	RPM		ORDER NO.
113	30	2	6700~11000	1	**694.003.30**
113	31.75	2	6700~11000	1	**694.003.31**
113	35	2	6700~11000	1	**694.003.35**
128	40	2	5900~9700	1	**694.003.40**
128	50	2	5900~9700	1	**694.003.50**

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

Spare parts

x2			
695.003.05	695.999.22	990.064.00	991.064.00
695.003.05	695.999.22	990.064.00	991.064.00
695.003.05	695.999.22	990.064.00	991.064.00
695.003.05	695.999.22	990.064.00	991.064.00
695.003.05	695.999.22	990.064.00	991.064.00



694.004

Innovative cutter heads supporting two different knives for making four radius roundover profiles. Standard cutter heads are sold with knives featuring 15 and 20mm radii; an additional knife set is available for 12-18mm radii. **For use on spindle moulder machines, moulder and shaping machines.** Suitable for all materials, but ideal on hard wood and wood panels.

TECHNICAL DETAILS:

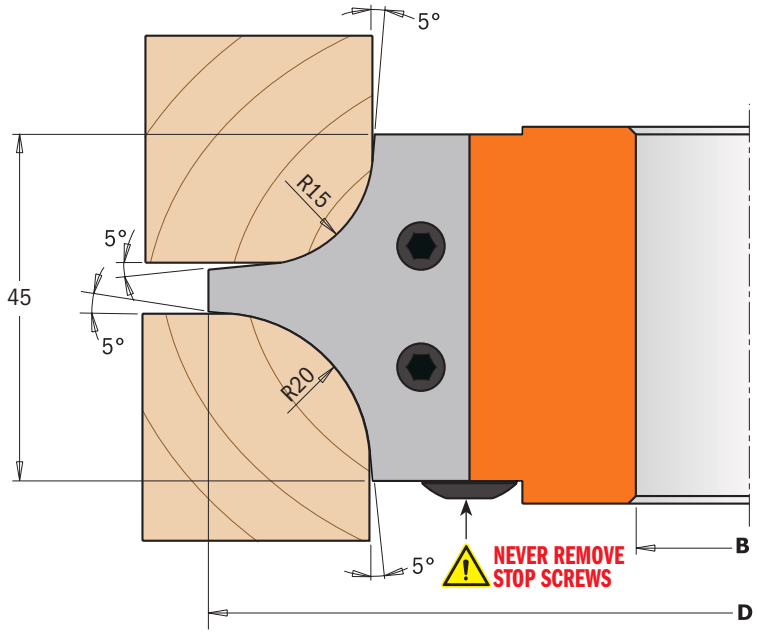
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 15/20mm (45x34.5x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

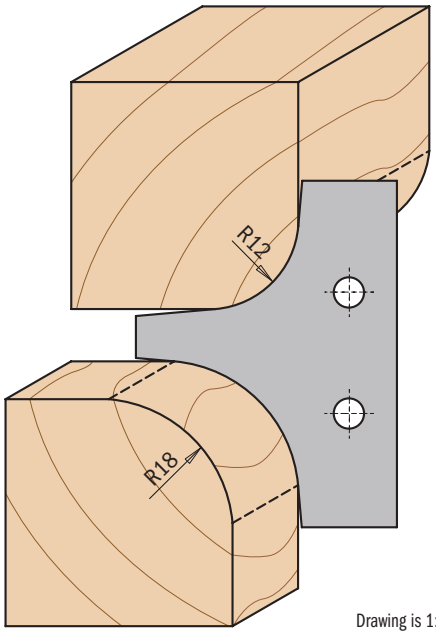
Standard — Pair of knives **695.004.15**





SUPPLIED IN A STURDY PLASTIC CARRY CASE

Optional



Drawing is 1:1 scale

Pair of knives **695.004.12**

D mm	B mm	Z	RPM		ORDER NO.
132	30	2	5700~9500	1	**694.004.30**
132	31.75	2	5700~9500	1	**694.004.31**
132	35	2	5700~9500	1	**694.004.35**
147	40	2	5100~8500	1	**694.004.40**
147	50	2	5100~8500	1	**694.004.50**

Spare parts

x2			
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
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





SUPPLIED IN A STURDY PLASTIC CARRY CASE

694.007

INSERT CARBIDE | MAN | Z2

These cutter heads are perfect for making furniture, doors and drawer fronts simply and stylishly by applying 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 10, 12 and 15mm radii. **For use on spindle moulder machines, moulder and shaping machines.** Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:

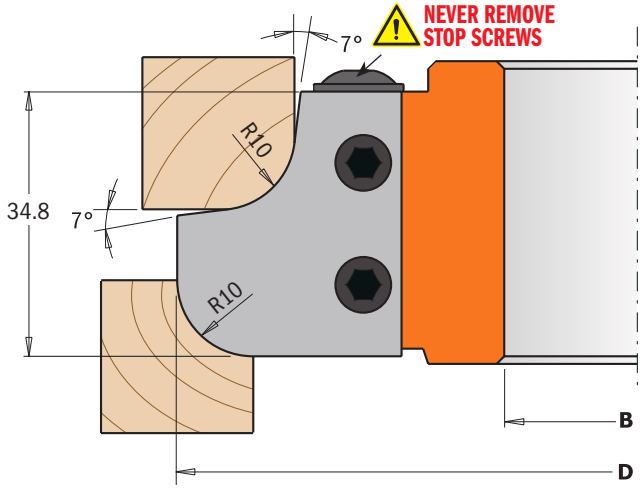
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 10mm (34.8x29.3x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS

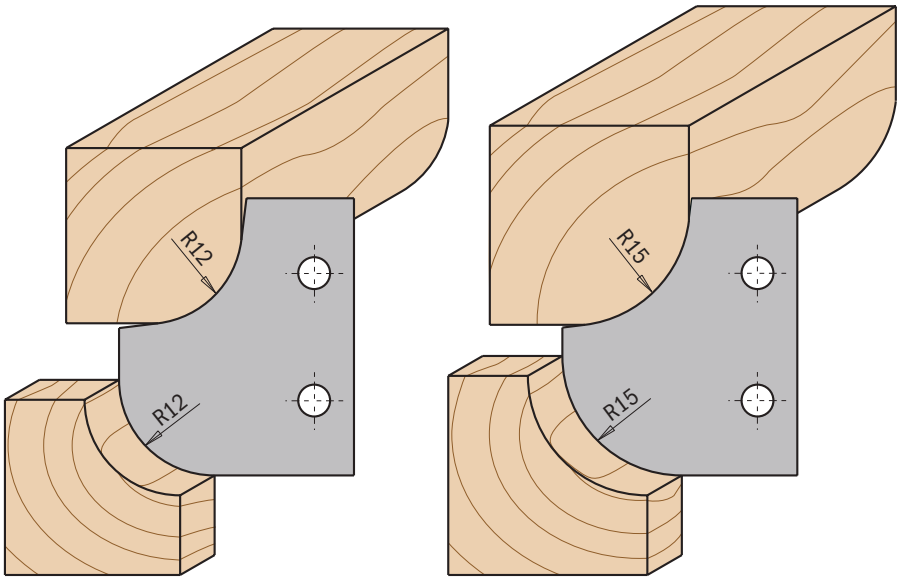


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

Standard — Pair of knives **695.007.10**



Optional — Pair of knives **695.007.12** — Pair of knives **695.007.15**



Drawing is 1:1 scale

D mm	B mm	Z	RPM		ORDER NO.
121	30	2	6300~10500	1	**694.007.30**
121	31.75	2	6300~10500	1	**694.007.31**
121	35	2	6300~10500	1	**694.007.35**
136	40	2	5100~8500	1	**694.007.40**
136	50	2	5100~8500	1	**694.007.50**

Spare parts

x2			
695.007.10	695.999.31	990.064.00	991.064.00
695.007.10	695.999.31	990.064.00	991.064.00
695.007.10	695.999.31	990.064.00	991.064.00
695.007.10	695.999.31	990.064.00	991.064.00
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

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. Perfect for moulding and furniture specialists.
Suitable for all materials, but ideal on hard wood and wood panels.

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.

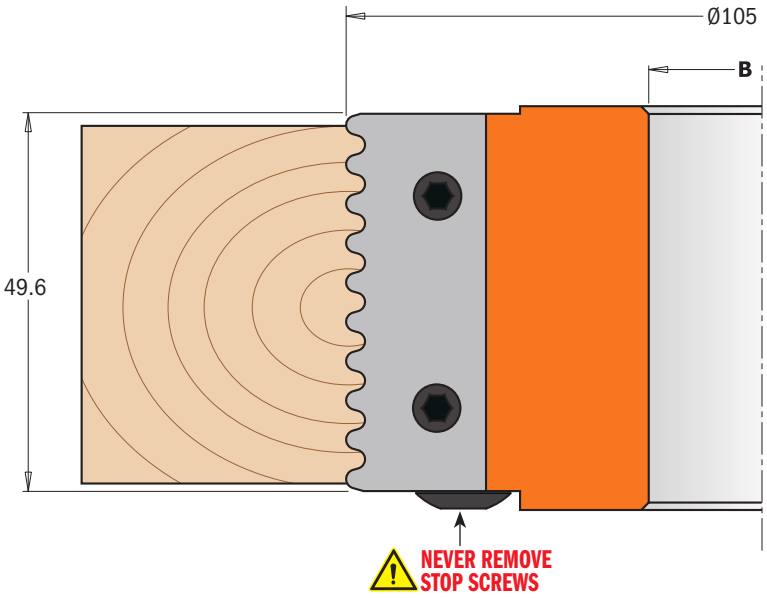


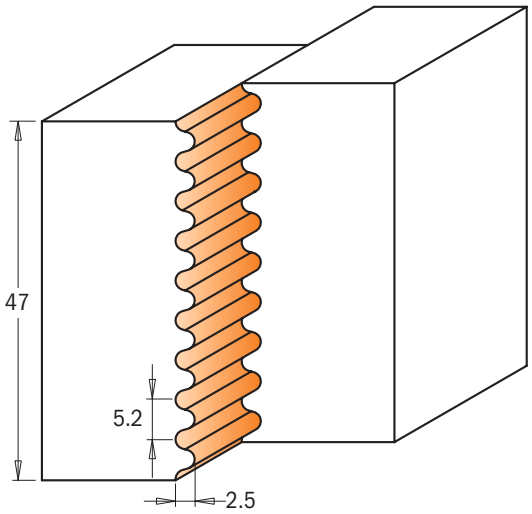
SUPPLIED IN A STURDY PLASTIC CARRY CASE

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





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





SUPPLIED IN A STURDY PLASTIC CARRY CASE

694.009

INSERT CARBIDE | MAN | Z2

One of the unique characteristics of this 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 hard wood, and wood panels.
For spindle moulder machines and double-end tenoners.

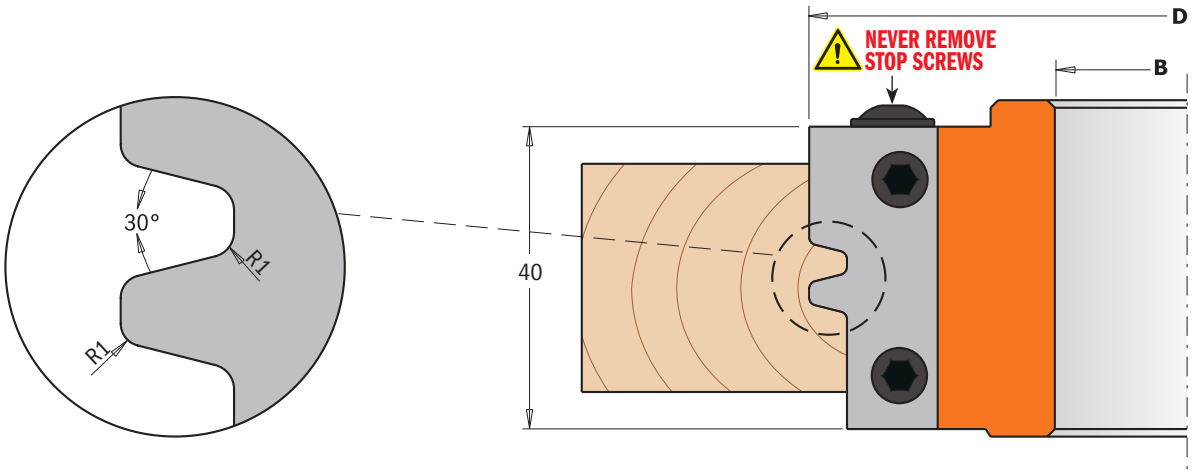
TECHNICAL DETAILS:

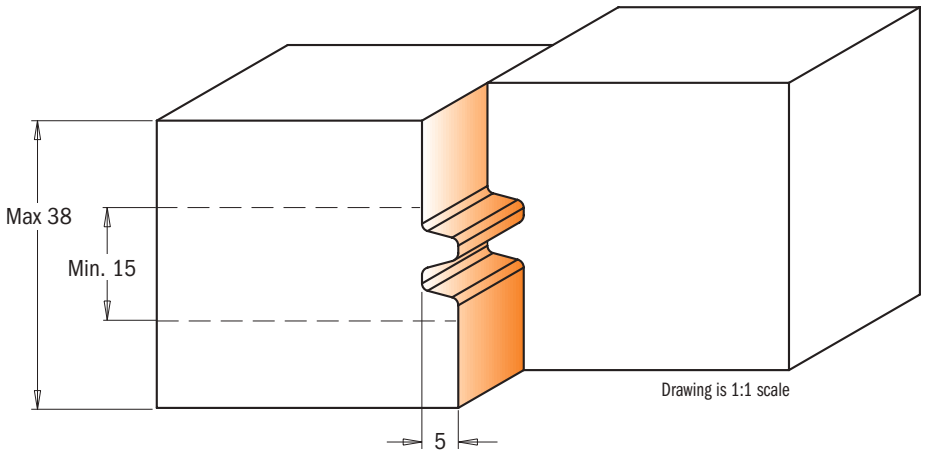
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 40x18x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





D mm	B mm	Z	RPM		ORDER NO.
100	30	2	7500~12500	1	**694.009.30**
100	31.75	2	7500~12500	1	**694.009.31**
100	35	2	7500~12500	1	**694.009.35**
120	40	2	6400~10500	1	**694.009.40**
120	50	2	6400~10500	1	**694.009.50**

Spare parts

x2			
695.009.01	695.999.38	990.064.00	991.064.00
695.009.01	695.999.38	990.064.00	991.064.00
695.009.01	695.999.38	990.064.00	991.064.00
695.009.01	695.999.38	990.064.00	991.064.00
695.009.01	695.999.38	990.064.00	991.064.00



694.011

CMT's lock miter cutter heads are ideal for milling miter joints in stock a maximum of 28mm in thickness. Create boxes, stretcher bars, frames and any assortment of right angle (90°) or parallel joint projects. Two easy steps to produce perfect fitting 45° miter joints: first, position and mill your workpiece horizontally, then vertically.
Create parallel glue joints in two steps: position and mill your workpiece horizontally, internal side facing down, and then turn it facing up. **For use on spindle moulder machines 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.

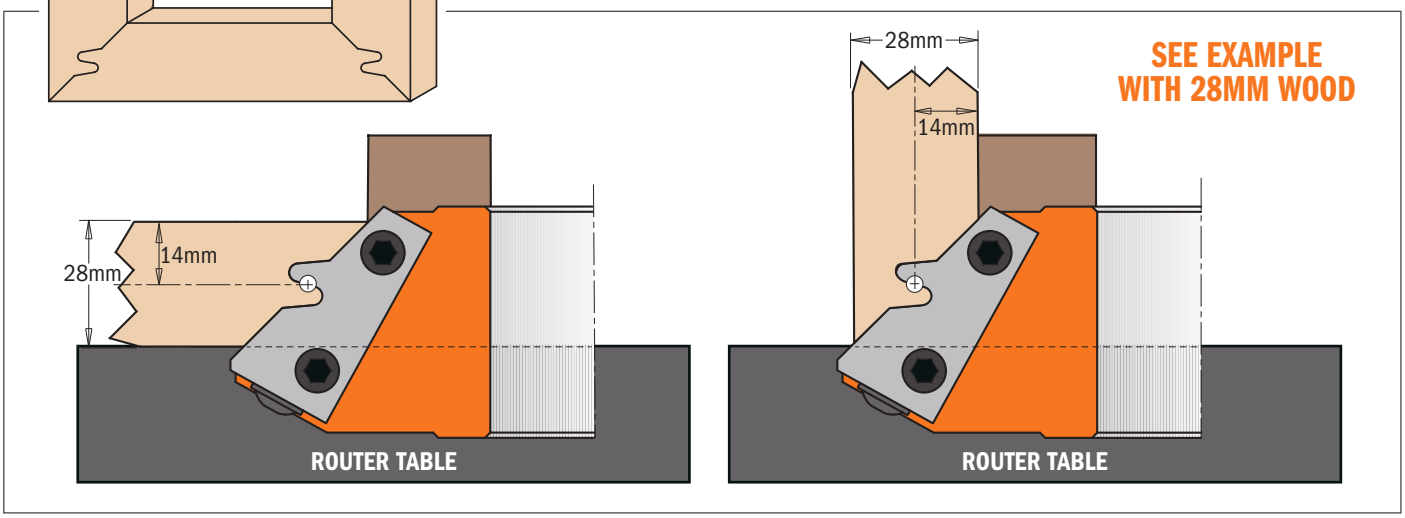
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



SUPPLIED IN A STURDY PLASTIC CARRY CASE

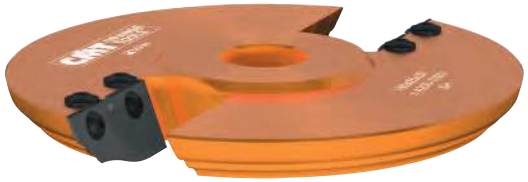


SEE EXAMPLE WITH 28MM WOOD

D mm	B mm	Z	RPM		ORDER NO.
140	30	2	5500~9500	1	**694.011.30**
140	31.75	2	5500~9500	1	**694.011.31**
140	35	2	5500~9500	1	**694.011.35**
140	40	2	5500~9500	1	**694.011.40**
150	50	2	5100~8800	1	**694.011.50**

Spare parts

x2			
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00





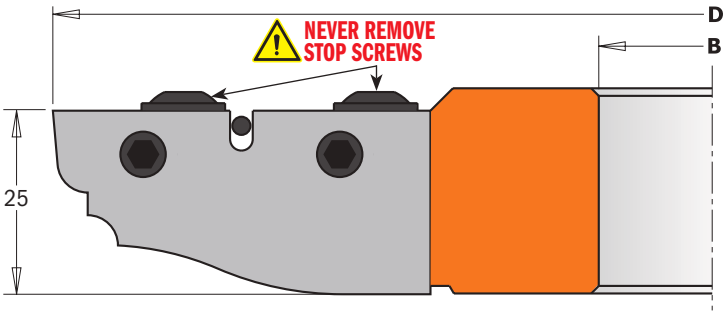
SUPPLIED IN A STURDY PLASTIC CARRY CASE

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 and double-end tenoners.**
Perfect for all materials, but ideal on hard wood and panels.

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.

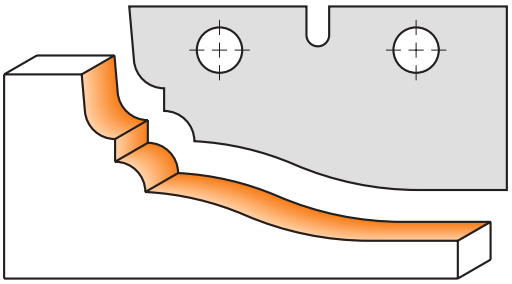


SAFETY TIPS



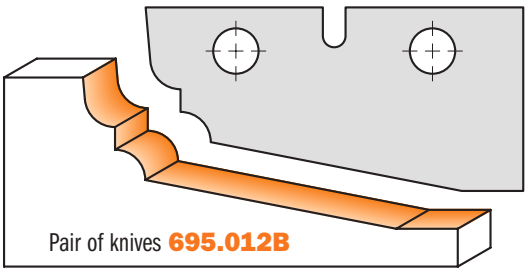
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

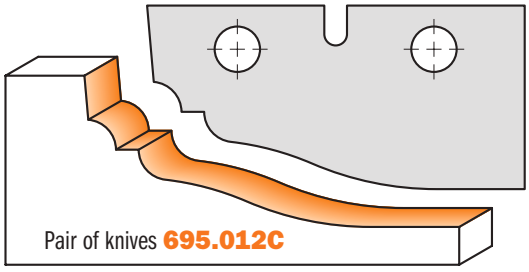
Standard Pair of knives **695.012A**

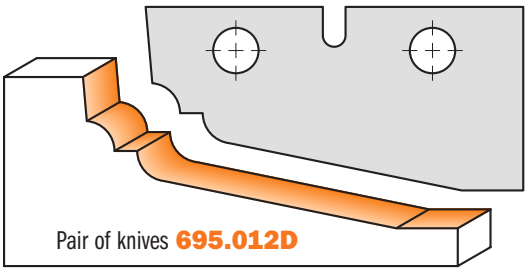


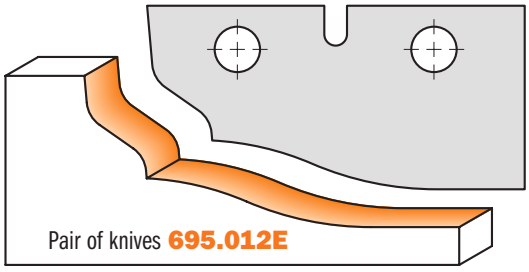
Drawing is 1:1 scale

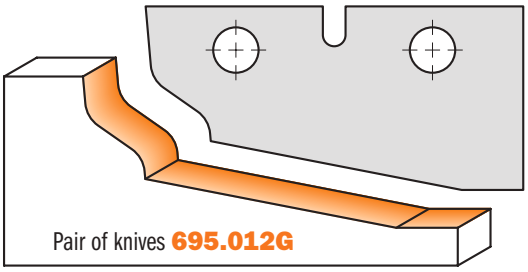
Optional


Pair of knives **695.012B**


Pair of knives **695.012C**


Pair of knives **695.012D**


Pair of knives **695.012E**


Pair of knives **695.012G**

D mm	I mm	B mm	Z	RPM		ORDER NO.
180	25	30	2	4200~7000	1	**694.012.30**
180	25	35	2	4200~7000	1	**694.012.35**
180	25	40	2	4200~7000	1	**694.012.40**
180	25	50	2	4200~7000	1	**694.012.50**

Spare parts

x2		
695.012A	990.107.00	991.067.00
695.012A	990.107.00	991.067.00
695.012A	990.107.00	991.067.00
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)





SUPPLIED IN A STURDY PLASTIC CARRY CASE

694.013

INSERT CARBIDE | MAN | Z2+2

We offer a traditional approach to panel construction with these CMT raised panel cutter heads. Engineered using the most sophisticated technology, it represents a key element in the artisans' workshop. Create 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, moulders, and double-end tenoners.
Perfect for all materials, but ideal on hard wood and panels.

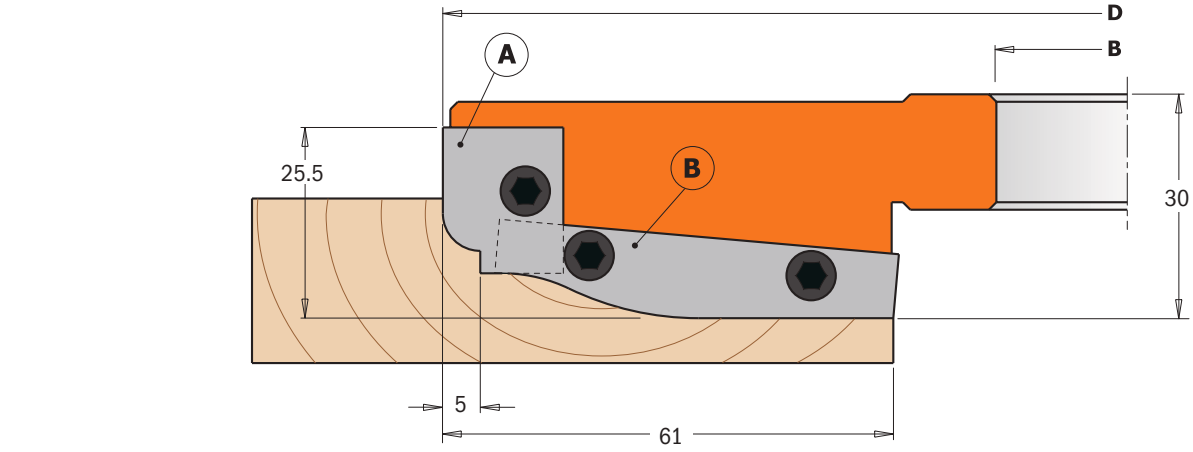
TECHNICAL DETAILS:

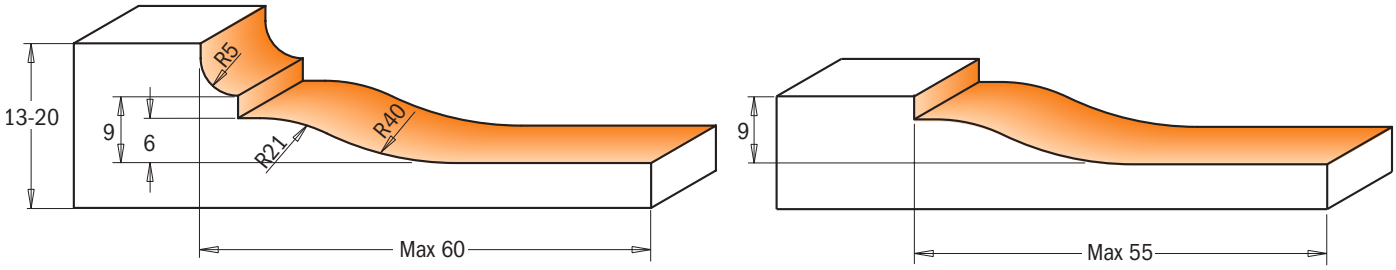
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type **(A)** 19.8x11.9x1.5mm [Z2].
- 2 HWM Knives type **(B)** 60x11.9x1.5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

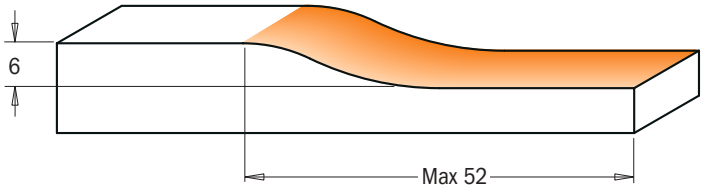
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







Drawing is 1:1 scale

D mm	B mm	Z	RPM		ORDER NO.
183	30	2+2	4100~7000	1	**694.013.30**
183	31.75	2+2	4100~7000	1	**694.013.31**
183	35	2+2	4100~7000	1	**694.013.35**
200	40	2+2	3800~6400	1	**694.013.40**
200	50	2+2	3800~6400	1	**694.013.50**

Spare parts

x2	16x11x9.5mm	x2	53x11x9.5mm	
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00

Spare parts: **991.083.00** 3x90x135mm hex key





SUPPLIED IN A STURDY PLASTIC CARRY CASE

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 8-15mm. For use on spindle moulders and moulder machines. Perfect on hard wood and panels maximum 22-25mm in thickness.

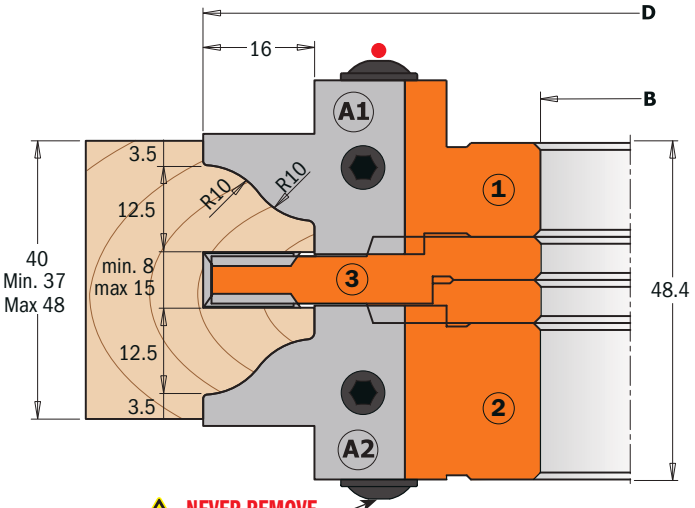
TECHNICAL DETAILS:

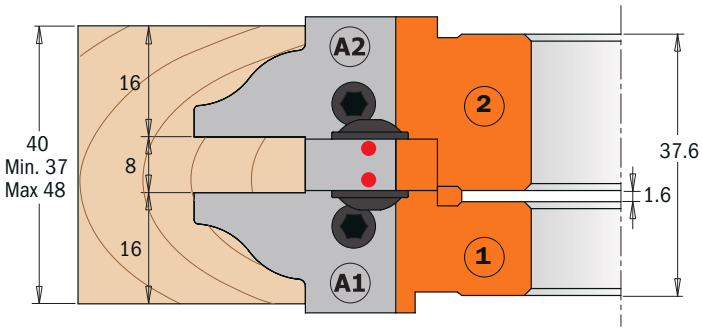
- Hard aluminium alloy body with high resistance to tensile and yield stress for cutter heads **(1 & 2)**.
- Strength steel body for cutter head (3).
- 2 HWM knives type **(A1)** 25x29.8x2mm [Z2].
- 2 HWM knives type **(A2)** 25x29.8x2mm [Z2].
- 4 HWM knives 7.65x12x1.5mm [Z4].
- 4 HWM knives 14x14x2mm 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.

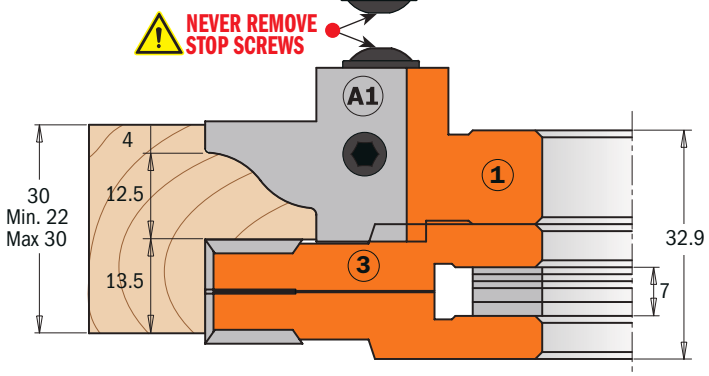
SAFETY TIPS

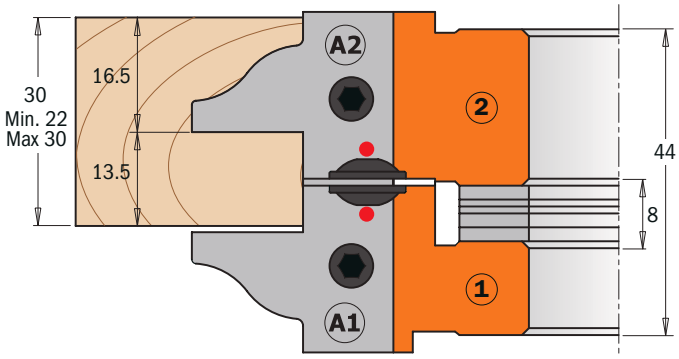


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).









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		Optional
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	695.998.06	695.998.40
695.998.05	695.998.07	

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

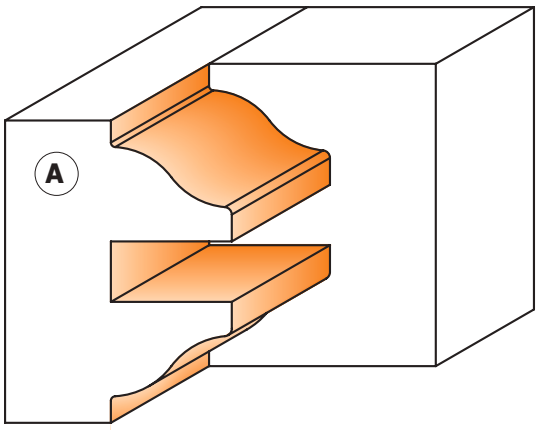
HEAD TYPE (3)

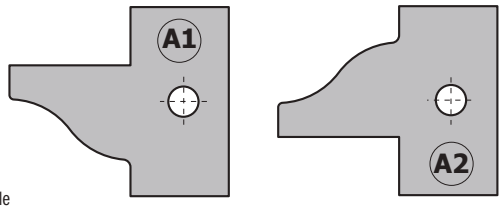
790.076.00* 7.65x12x1.5mm HWM knives
695.999.07 6.8x11x9.5mm wedge for knives
990.063.00 M5x18mm screw
991.072.00 T20 hex key
790.140.00* 14x14x2mm HWM Knives
990.080.00 M5x6.5mm screw
991.073.00 T25 hex key

*Minimum 10 pieces or multiple

Standard

Pair of knives **695.015.A1** - Pair of knives **695.015.A2**

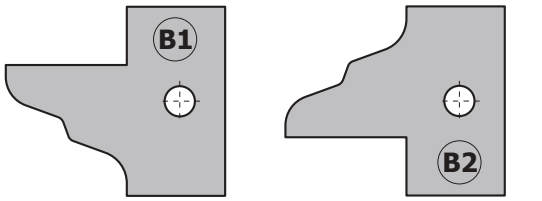


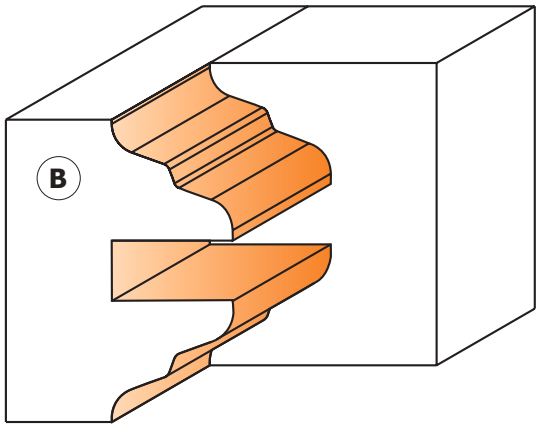


Drawing is 1:1 scale

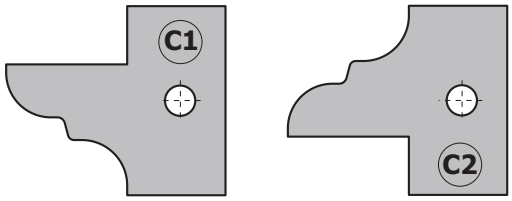
Optional

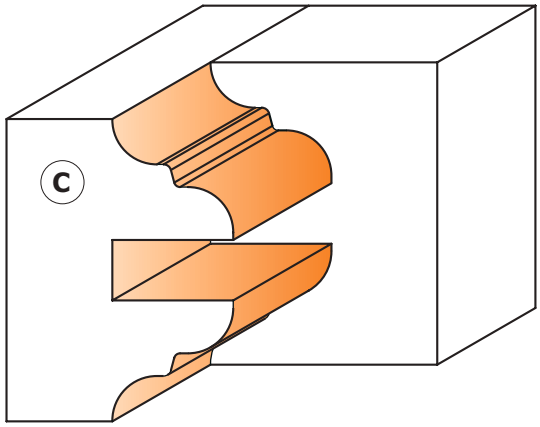
Pair of knives **695.015.B1**
Pair of knives **695.015.B2**



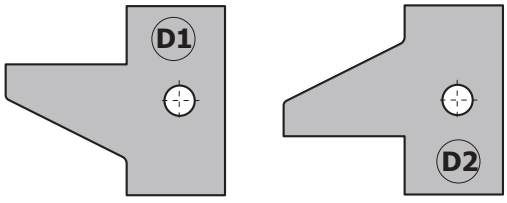


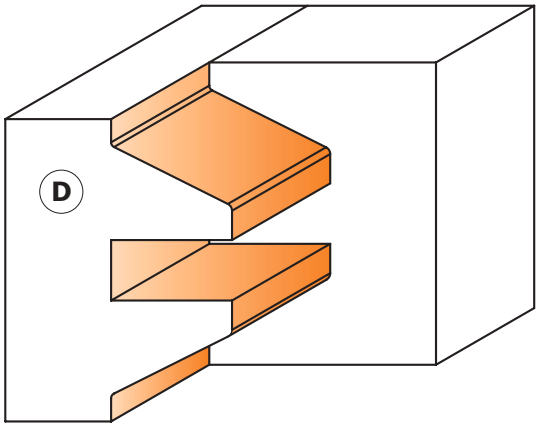
Pair of knives **695.015.C1**
Pair of knives **695.015.C2**



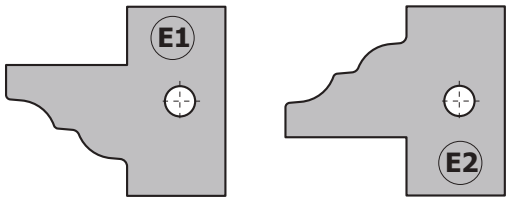


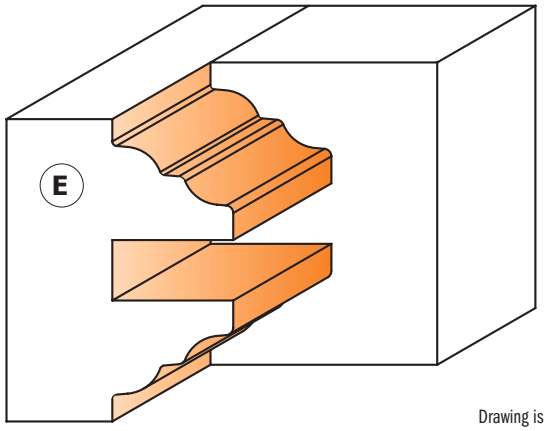
Pair of knives **695.015.D1**
Pair of knives **695.015.D2**





Pair of knives **695.015.E1**
Pair of knives **695.015.E2**





Drawing is 1:1 scale



694.014

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 moulders.** Perfect on hardwood and panels between 22mm-25mm in thickness.

INSERT CARBIDE · MAN · Z2



SUPPLIED IN A STURDY PLASTIC CARRY CASE

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.

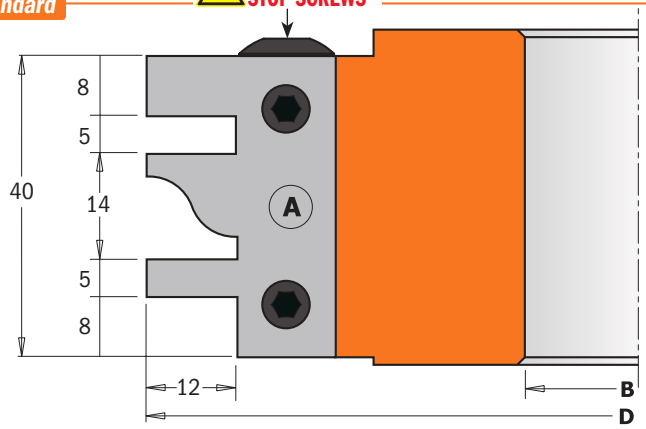
SAFETY TIPS



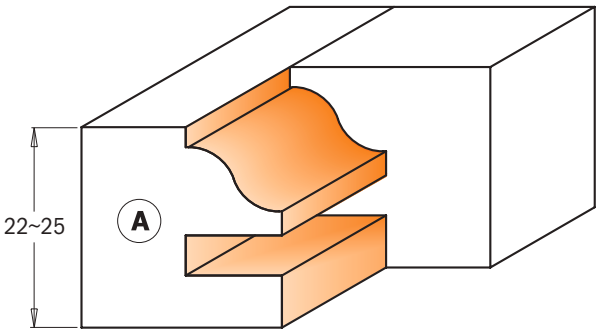
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

Standard

NEVER REMOVE STOP SCREWS



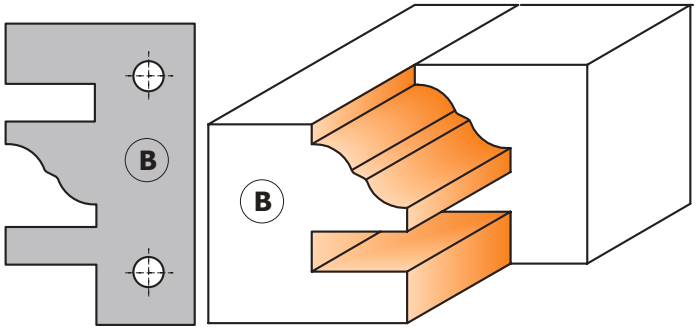
Pair of knives **695.014A**



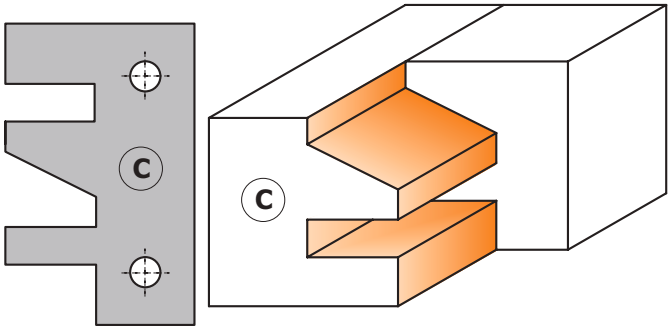
Drawing is 1:1 scale

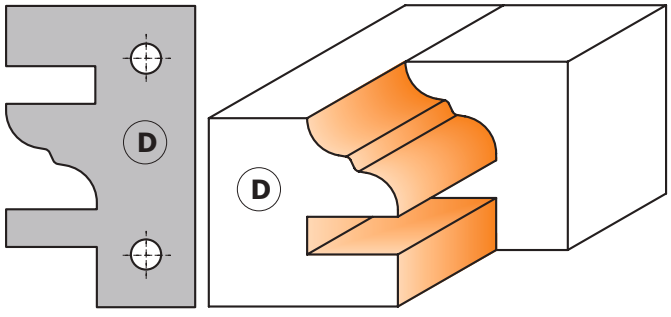
Optional

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	6400~10500	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)



692

CMT cutter heads guarantee excellent performance for all your projects.
For use on all types of moulder and **spindle moulder machines, profiler and edging 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).

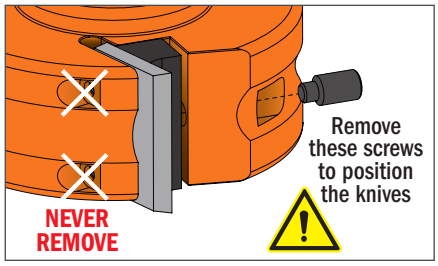


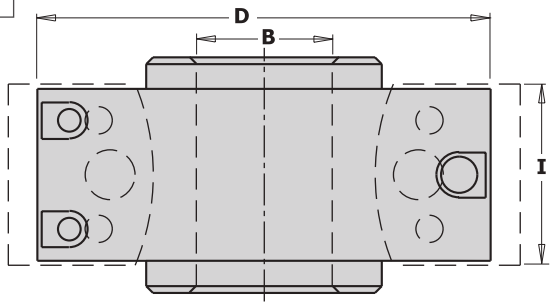
SUPPLIED IN A STURDY PLASTIC CARRY CASE. TO CONTAIN UP TO 12 PAIRS OF KNIVES.

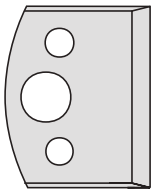
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







690.000

D mm	I mm	B mm	RPM		ORDER NO. Steel body	ORDER NO. Alumimium body
78	40	19.05	7000~9000	1		**692.078.19***
78	40	30	7000~9000	1		**692.078.30***
100	40-50	25.4	5500~8400	1		**692.100.26**
100	40-50	30	5500~8400	1	**692.101.30**	**692.100.30**
100	40-50	31.75	5500~8400	1		**692.100.31**
100	40-50	35	5500~8400	1	**692.101.35**	**692.100.35**
120	40-50	50	4800~7400	1	**692.121.50**	**692.120.50**

Spare parts

692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
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 and 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).

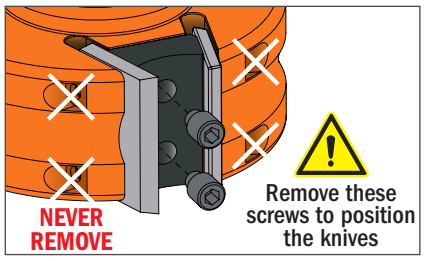


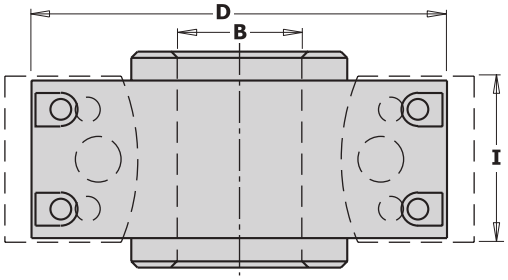
SUPPLIED IN A STURDY PLASTIC CARRY CASE. TO CONTAIN UP TO 12 PAIRS OF KNIVES.

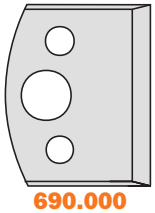
SAFETY TIPS



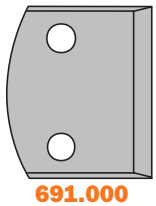
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







690.000



691.000

D mm	I mm	B mm	RPM		ORDER NO. Steel body	ORDER NO. Alumimium body
78	40	30	7000~9000	1	**693.078.30**	
100	40-50	30	5500~8400	1	**693.101.30**	**693.100.30**
100	40-50	31.75	5500~8400	1		**693.100.31**
100	40-50	35	5500~8400	1	**693.101.35**	**693.100.35**
120	40-50	50	4800~7400	1	**693.121.50**	**693.120.50**

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
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00



692

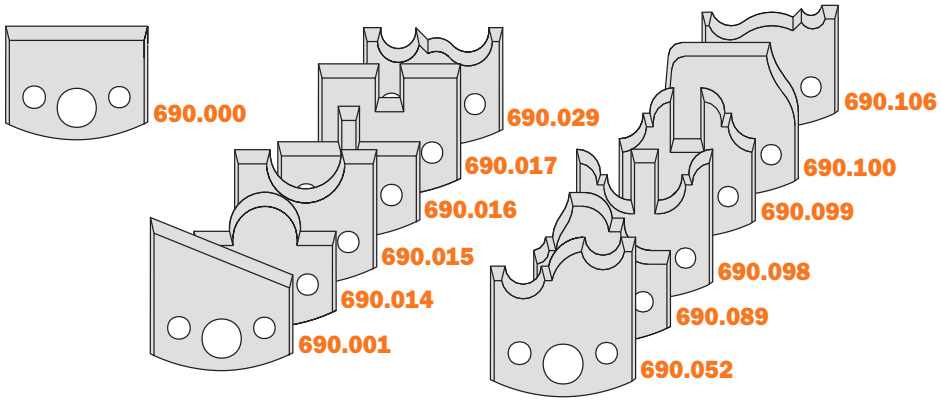
This set is ideal for making joints and frames and include 3 essential profiles specifically for creating cabinet doors.
An invaluable asset for any professional woodworker. The cutter heads included allow the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are packaged in a sturdy plastic case 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.

SP MEC Z2



SUPPLIED IN A STURDY PLASTIC CARRY CASE



SAFETY TIPS

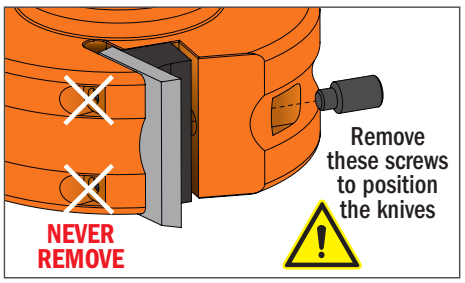


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

D mm	I mm	B mm	RPM		ORDER NO.
78	40	19.05	7000~9000	1	**692.013.09**
78	40	30	7000~9000	1	**692.013.01**
100	40	25.4	5500~8400	1	**692.013.10**
100	40	30	5500~8400	1	**692.013.02**
100	40	31.75	5500~8400	1	**692.013.11**
100	40	35	5500~8400	1	**692.013.03**
120	40	50	4800~7400	1	**692.013.04**

Spare parts

692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00





692

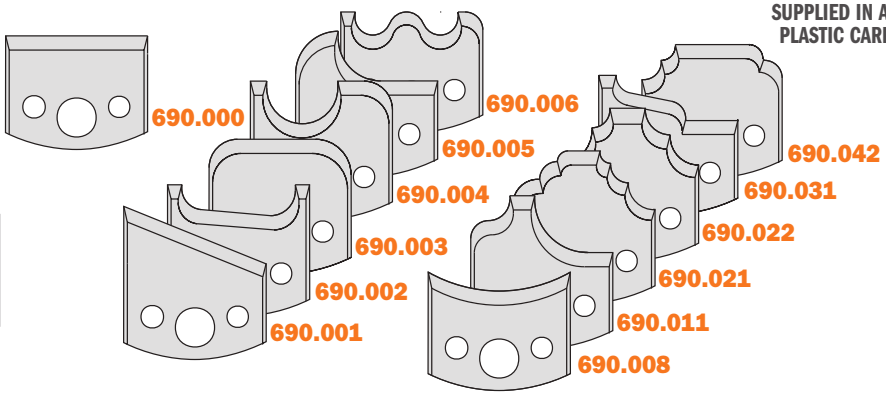
13 of the most popular profiles combined in one sturdy carry case.
The featured cutter head fits 40-50mm knives.

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.

SP MEC Z2



SUPPLIED IN A STURDY PLASTIC CARRY CASE



SAFETY TIPS

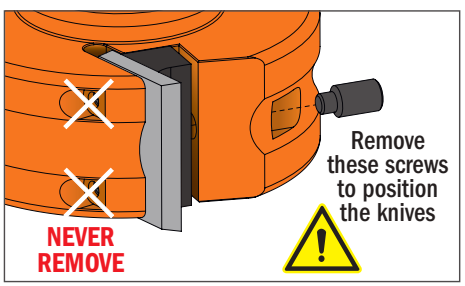


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

D mm	I mm	B mm	RPM		ORDER NO.
78	40	19.05	7000~9000	1	**692.013.12**
78	40	30	7000~9000	1	**692.013.05**
100	40	25.4	5500~8400	1	**692.013.13**
100	40	30	5500~8400	1	**692.013.06**
100	40	31.75	5500~8400	1	**692.013.14**
100	40	35	5500~8400	1	**692.013.07**
120	40	50	4800~7400	1	**692.013.08**

Spare parts

692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00
692.999.01	990.064.00	991.064.00



7 Piece Multiprofile Cutter Head Sets with Limiters



693

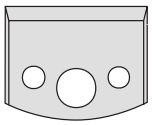
CMT has assembled 7 profiles in this convenient set for the professional woodworker; perfect for creating kitchen cabinet doors with a horizontal profile and featuring two pairs of cutters for male-female joints. A specially designed cutter head allows the insertion of knives with a height of either 40mm or 50mm. The cutter head also boasts safety limiters in keeping with European standards EN 847-1.

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 40mm knives, as per illustration.
- 7 pairs of relative limiters.

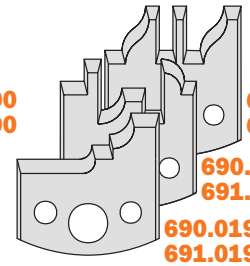
SAFETY TIPS



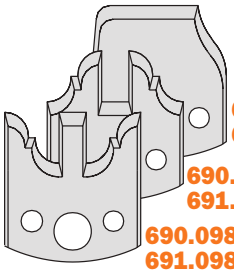
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



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691.000



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691.019



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691.098

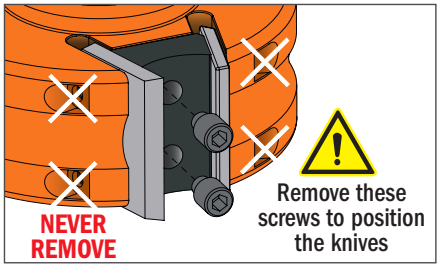


SUPPLIED IN A STURDY PLASTIC CARRY CASE

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

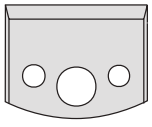
CMT has assembled the 7 most popular profiles in this practical set conveniently packaged in a sturdy protective carry case. The specially designed cutter head allows the insertion of knives with a height of either 40mm or 50mm. The cutter head also boasts safety limiters in keeping with European standards EN 847-1.

THESE SETS INCLUDE:
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, with limiters and pins for the automatic positioning of the knives.
- 7 pairs of 40mm knives, as per illustration.
- 7 pairs of relative limiters.

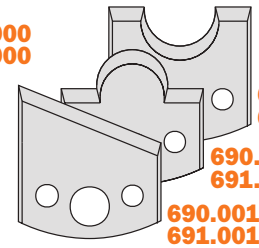
SAFETY TIPS



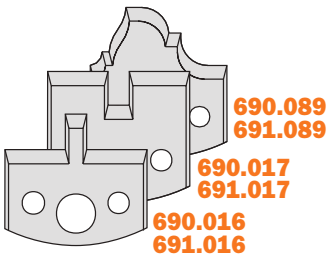
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



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691.000



690.015
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690.014
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691.001



690.089
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690.017
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691.016

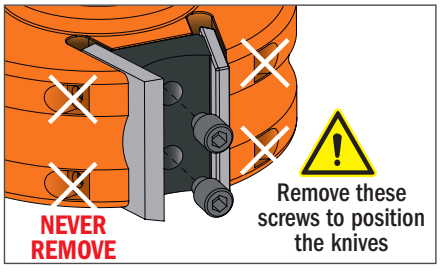


SUPPLIED IN A STURDY PLASTIC CARRY CASE

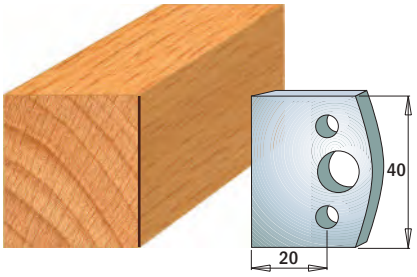
D mm	I mm	B mm	RPM		ORDER NO.
100	40	30	5500~8400	1	**693.013.04**
100	40	35	5500~8400	1	**693.013.05**
120	40	50	4800~7400	1	**693.013.06**

Spare parts

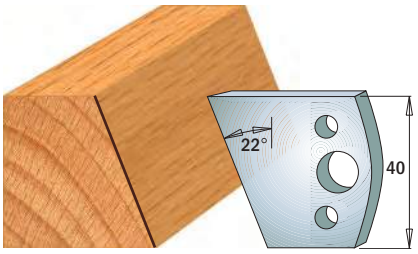
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00
693.999.01	990.065.00	991.064.00



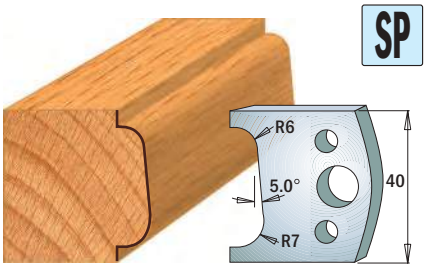
SP



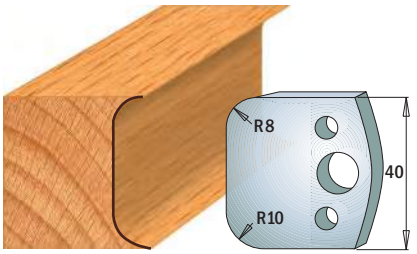
Pair of knives	**690.000**
Pair of limiters	**691.000**



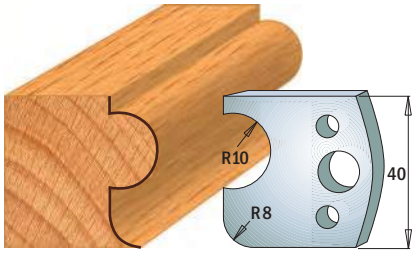
Pair of knives	**690.001**
Pair of limiters	**691.001**



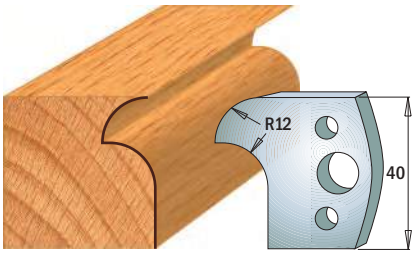
Pair of knives	**690.002**
Pair of limiters	**691.002**



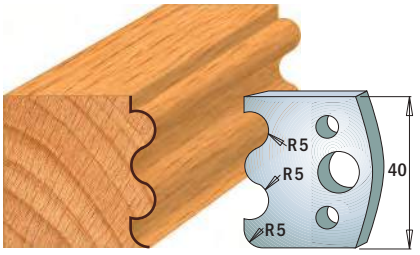
Pair of knives	**690.003**
Pair of limiters	**691.003**



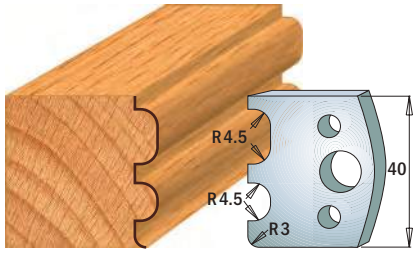
Pair of knives	**690.004**
Pair of limiters	**691.004**



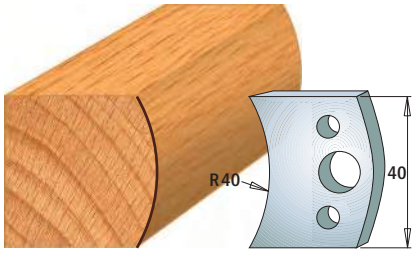
Pair of knives	**690.005**
Pair of limiters	**691.005**



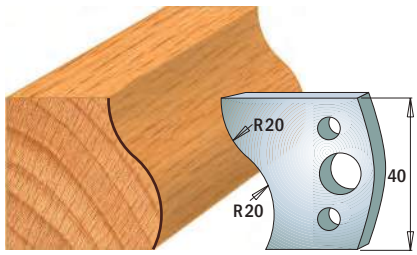
Pair of knives	**690.006**
Pair of limiters	**691.006**



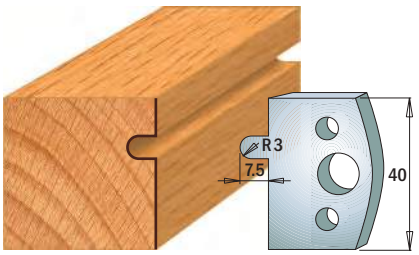
Pair of knives	**690.007**
Pair of limiters	**691.007**



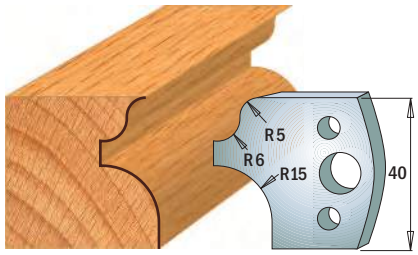
Pair of knives	**690.008**
Pair of limiters	**691.008**



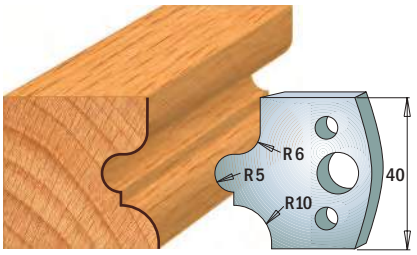
Pair of knives	**690.009**
Pair of limiters	**691.009**



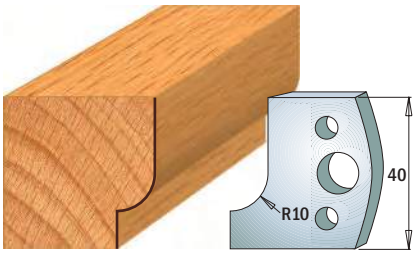
Pair of knives	**690.010**
Pair of limiters	**691.010**



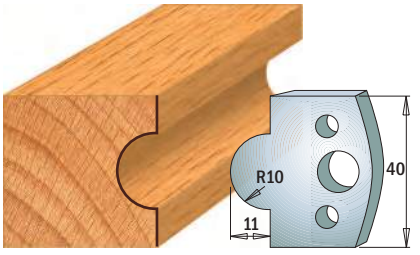
Pair of knives	**690.011**
Pair of limiters	**691.011**



Pair of knives	**690.012**
Pair of limiters	**691.012**



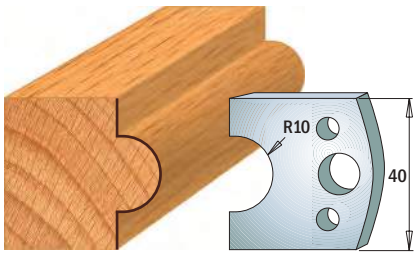
Pair of knives	**690.013**
Pair of limiters	**691.013**



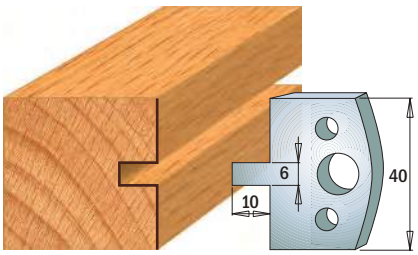
Pair of knives	**690.014**
Pair of limiters	**691.014**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

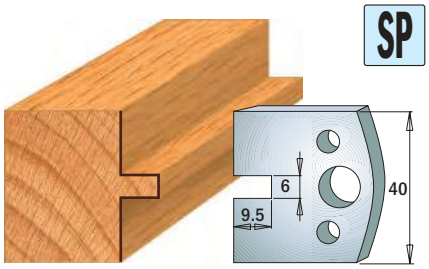
SP



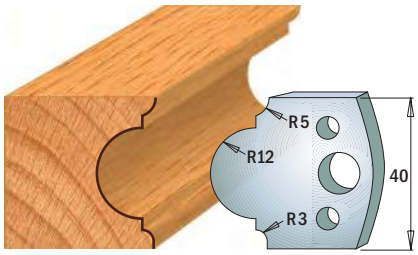
Pair of knives	**690.015**
Pair of limiters	**691.015**



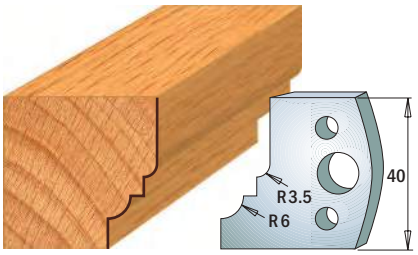
Pair of knives	**690.016**
Pair of limiters	**691.016**



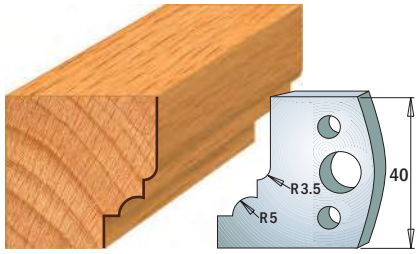
Pair of knives	**690.017**
Pair of limiters	**691.017**



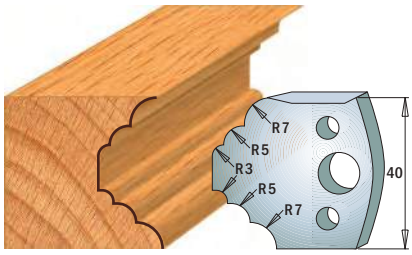
Pair of knives	**690.018**
Pair of limiters	**691.018**



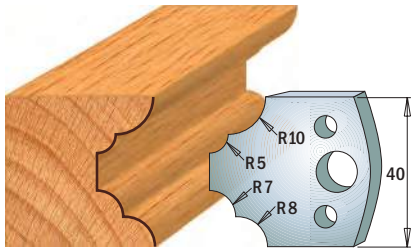
Pair of knives	**690.019**
Pair of limiters	**691.019**



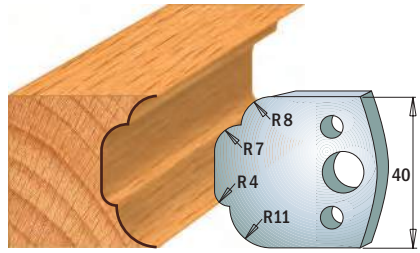
Pair of knives	**690.020**
Pair of limiters	**691.020**



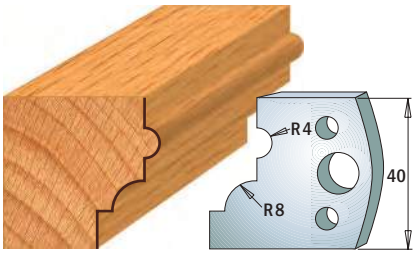
Pair of knives	**690.021**
Pair of limiters	**691.021**



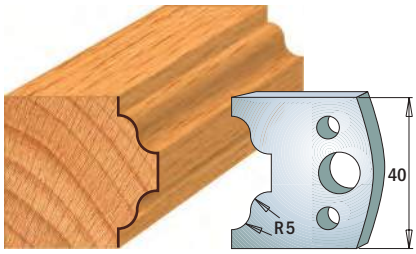
Pair of knives	**690.022**
Pair of limiters	**691.022**



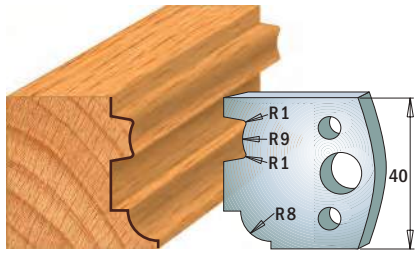
Pair of knives	**690.023**
Pair of limiters	**691.023**



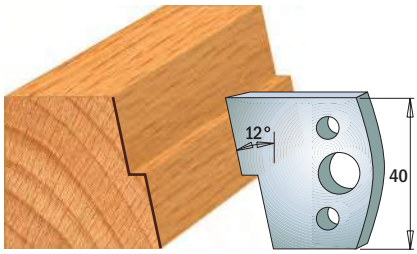
Pair of knives	**690.024**
Pair of limiters	**691.024**



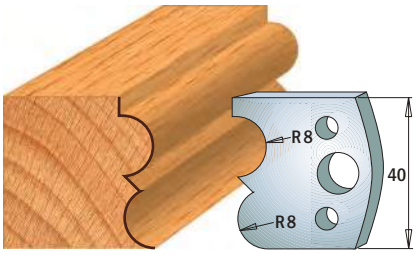
Pair of knives	**690.025**
Pair of limiters	**691.025**



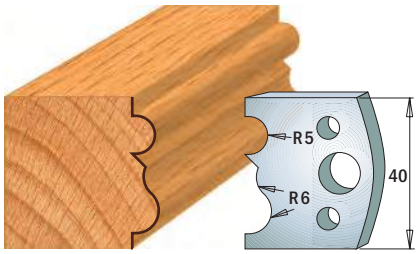
Pair of knives	**690.026**
Pair of limiters	**691.026**



Pair of knives	**690.027**
Pair of limiters	**691.027**



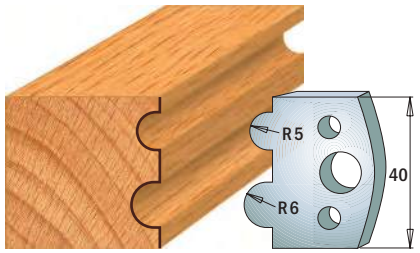
Pair of knives	**690.028**
Pair of limiters	**691.028**



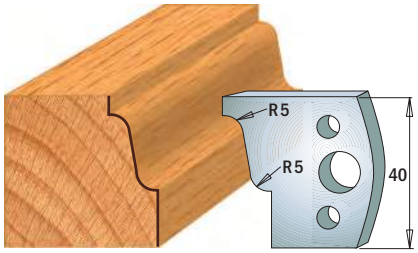
Pair of knives	**690.029**
Pair of limiters	**691.029**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

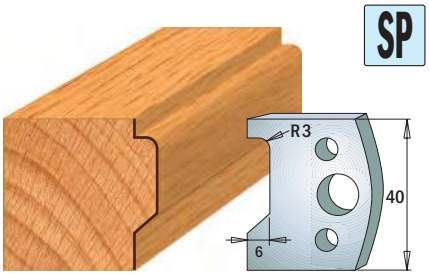
SP



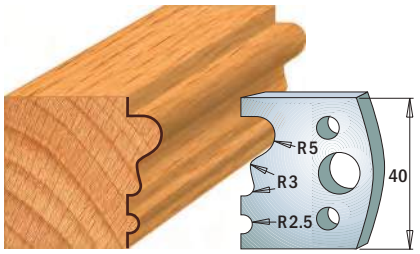
Pair of knives	**690.030**
Pair of limiters	**691.030**



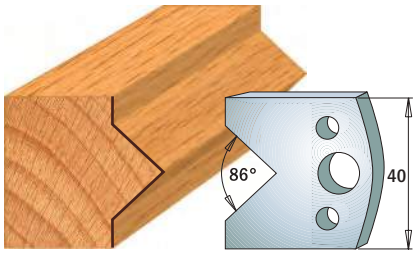
Pair of knives	**690.031**
Pair of limiters	**691.031**



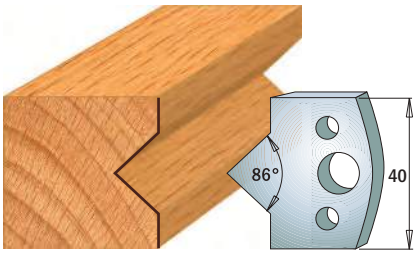
Pair of knives	**690.032**
Pair of limiters	**691.032**



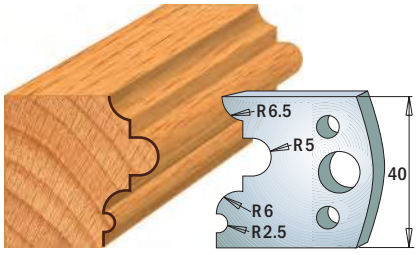
Pair of knives	**690.033**
Pair of limiters	**691.033**



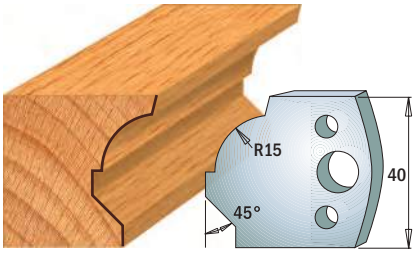
Pair of knives	**690.034**
Pair of limiters	**691.034**



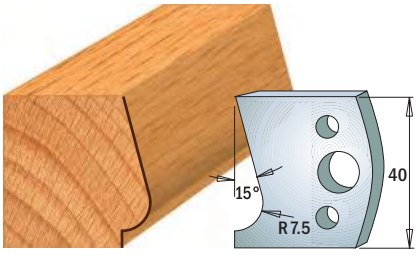
Pair of knives	**690.035**
Pair of limiters	**691.035**



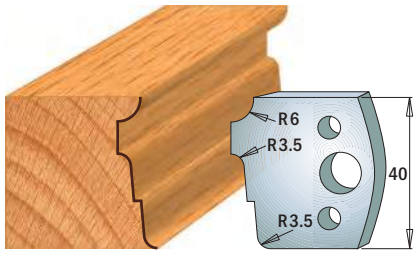
Pair of knives	**690.036**
Pair of limiters	**691.036**



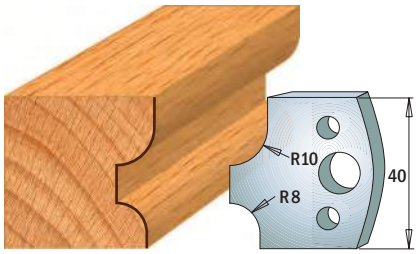
Pair of knives	**690.037**
Pair of limiters	**691.037**



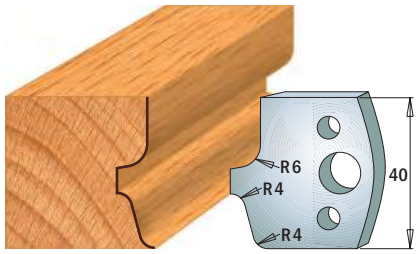
Pair of knives	**690.038**
Pair of limiters	**691.038**



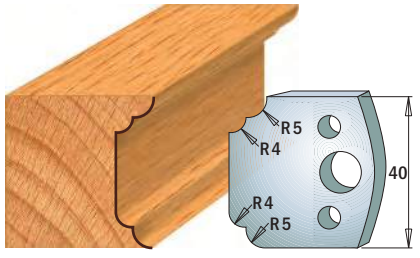
Pair of knives	**690.039**
Pair of limiters	**691.039**



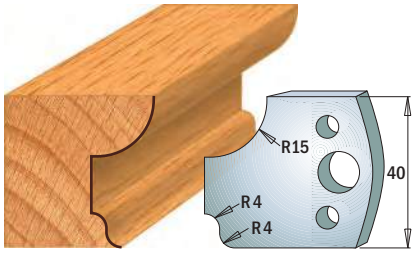
Pair of knives	**690.040**
Pair of limiters	**691.040**



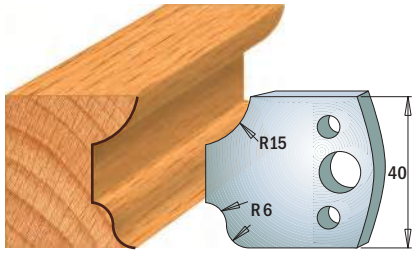
Pair of knives	**690.041**
Pair of limiters	**691.041**



Pair of knives	**690.042**
Pair of limiters	**691.042**



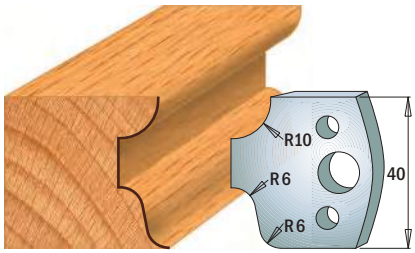
Pair of knives	**690.043**
Pair of limiters	**691.043**



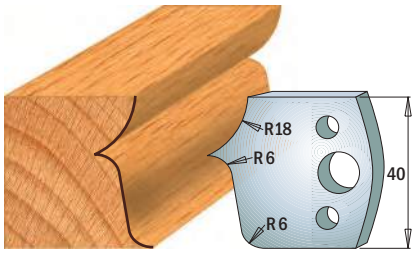
Pair of knives	**690.044**
Pair of limiters	**691.044**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

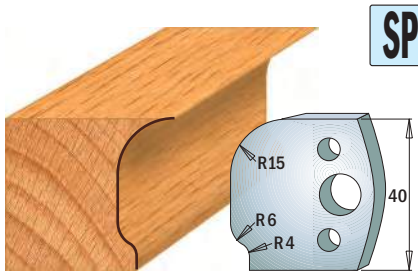
SP



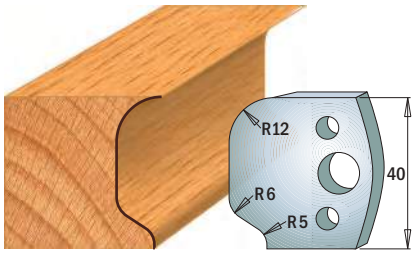
Pair of knives	**690.045**
Pair of limiters	**691.045**



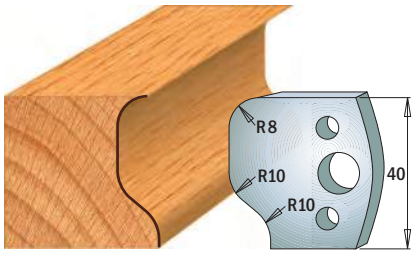
Pair of knives	**690.046**
Pair of limiters	**691.046**



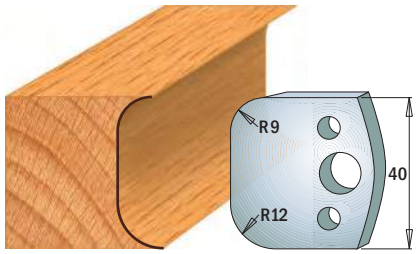
Pair of knives	**690.047**
Pair of limiters	**691.047**



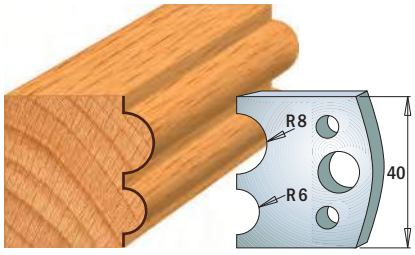
Pair of knives	**690.048**
Pair of limiters	**691.048**



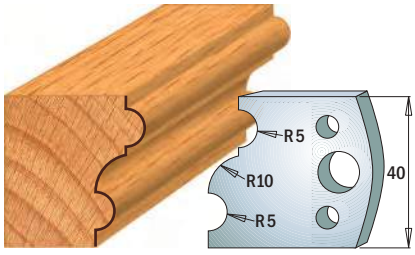
Pair of knives	**690.049**
Pair of limiters	**691.049**



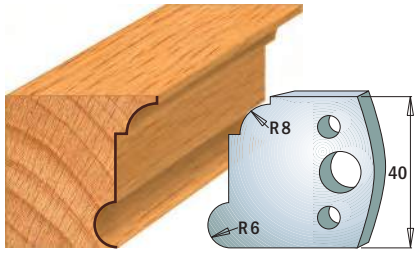
Pair of knives	**690.050**
Pair of limiters	**691.050**



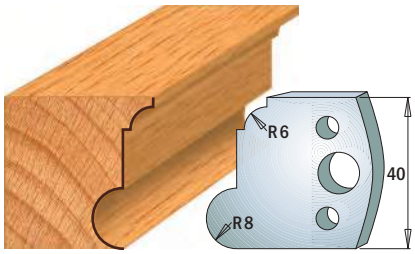
Pair of knives	**690.051**
Pair of limiters	**691.051**



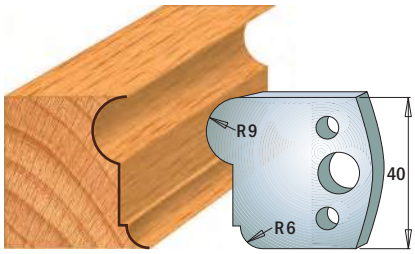
Pair of knives	**690.052**
Pair of limiters	**691.052**



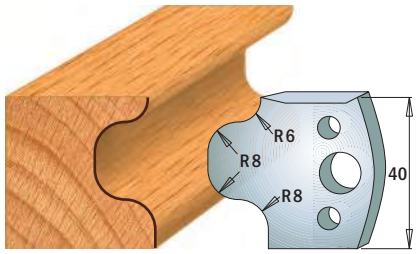
Pair of knives	**690.053**
Pair of limiters	**691.053**



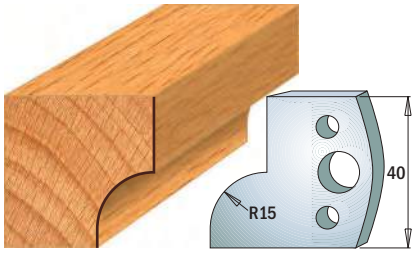
Pair of knives	**690.054**
Pair of limiters	**691.054**



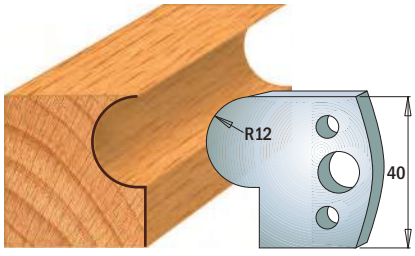
Pair of knives	**690.055**
Pair of limiters	**691.055**



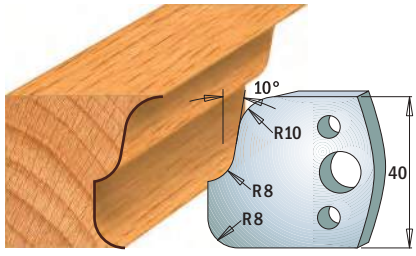
Pair of knives	**690.056**
Pair of limiters	**691.056**



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**

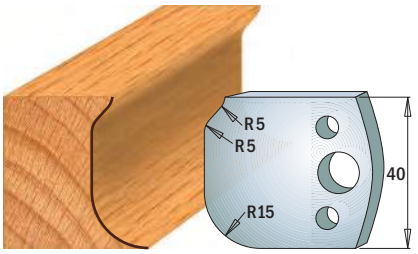
NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

Profile Knives and Limiters

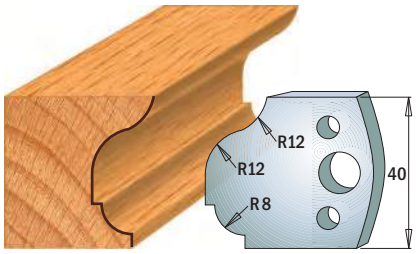
Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

CMT ORANGE TOOLS®

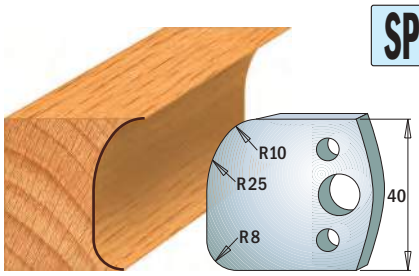
SP



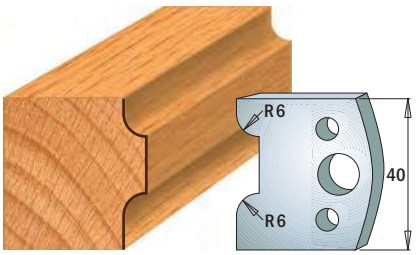
Pair of knives	**690.060**
Pair of limiters	**691.060**



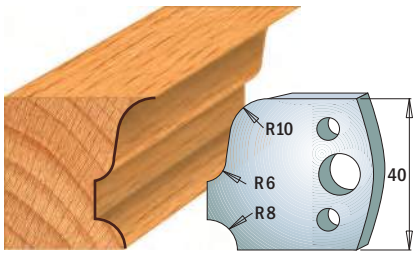
Pair of knives	**690.061**
Pair of limiters	**691.061**



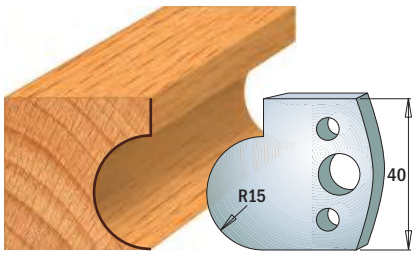
Pair of knives	**690.062**
Pair of limiters	**691.062**



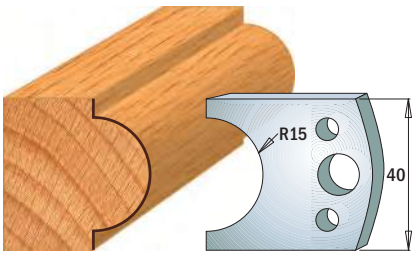
Pair of knives	**690.063**
Pair of limiters	**691.063**



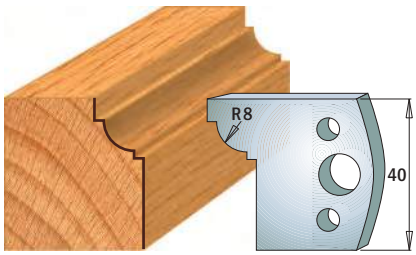
Pair of knives	**690.064**
Pair of limiters	**691.064**



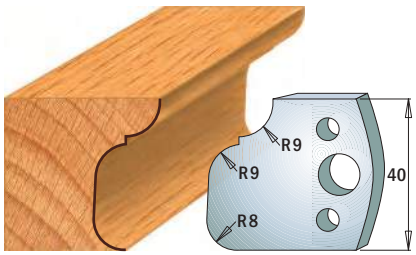
Pair of knives	**690.065**
Pair of limiters	**691.065**



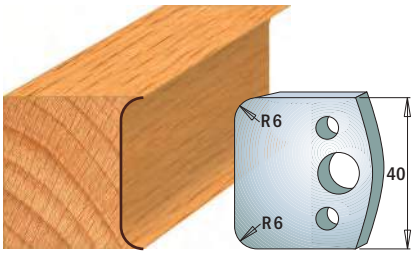
Pair of knives	**690.066**
Pair of limiters	**691.066**



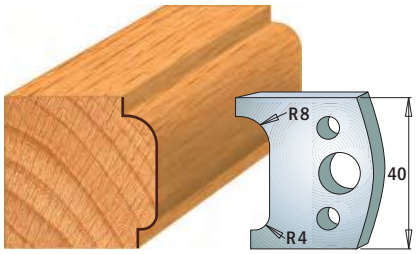
Pair of knives	**690.067**
Pair of limiters	**691.067**



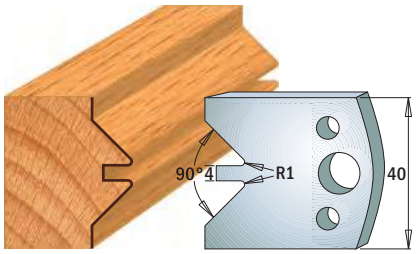
Pair of knives	**690.068**
Pair of limiters	**691.068**



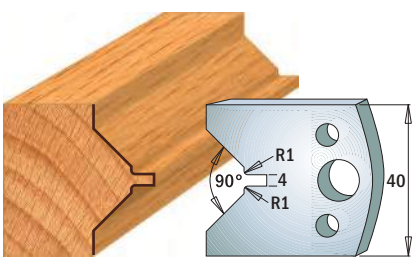
Pair of knives	**690.069**
Pair of limiters	**691.069**



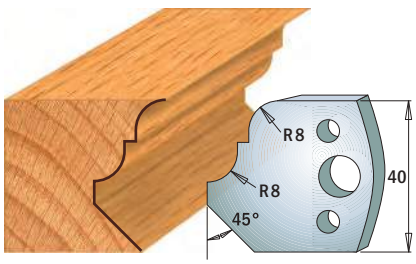
Pair of knives	**690.070**
Pair of limiters	**691.070**



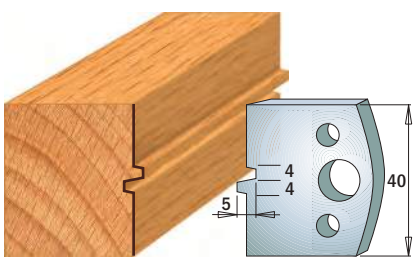
Pair of knives	**690.071**
Pair of limiters	**691.071**



Pair of knives	**690.072**
Pair of limiters	**691.072**



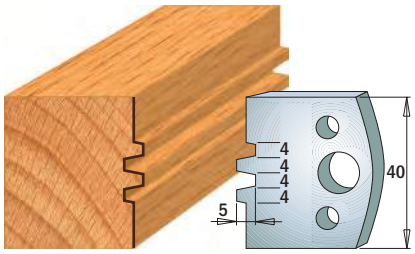
Pair of knives	**690.073**
Pair of limiters	**691.073**



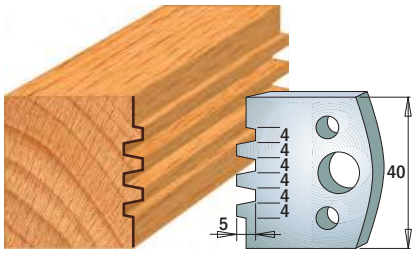
Pair of knives	**690.074**
Pair of limiters	**691.074**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

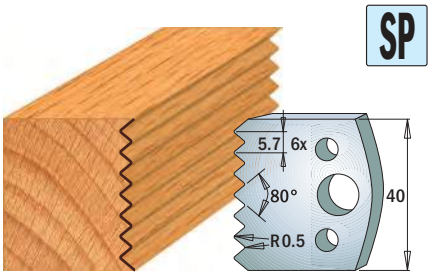
SP



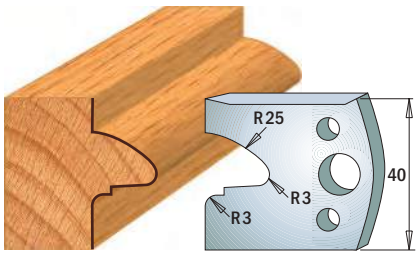
Pair of knives	**690.075**
Pair of limiters	**691.075**



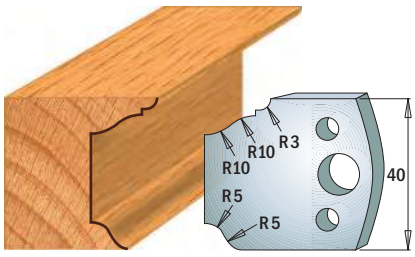
Pair of knives	**690.076**
Pair of limiters	**691.076**



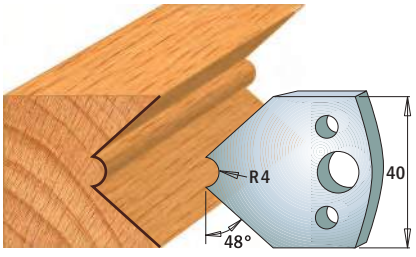
Pair of knives	**690.077**
Pair of limiters	**691.077**



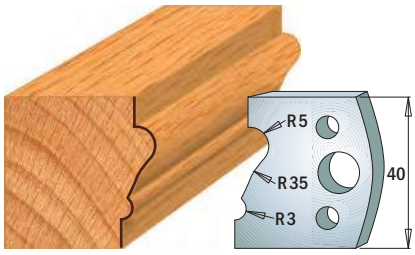
Pair of knives	**690.078**
Pair of limiters	**691.078**



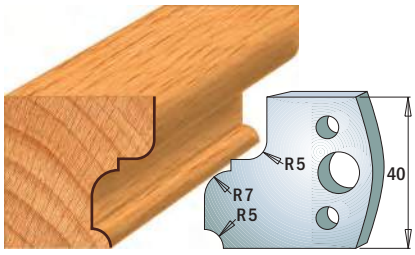
Pair of knives	**690.079**
Pair of limiters	**691.079**



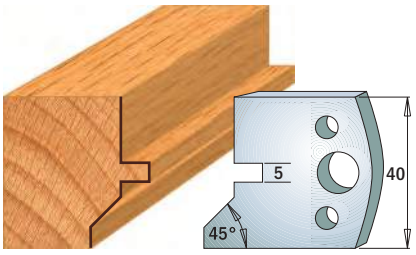
Pair of knives	**690.080**
Pair of limiters	**691.080**



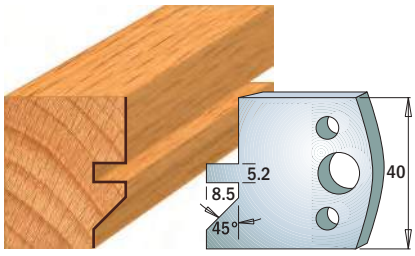
Pair of knives	**690.081**
Pair of limiters	**691.081**



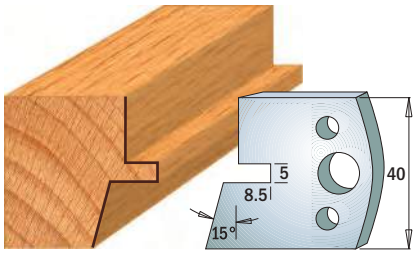
Pair of knives	**690.082**
Pair of limiters	**691.082**



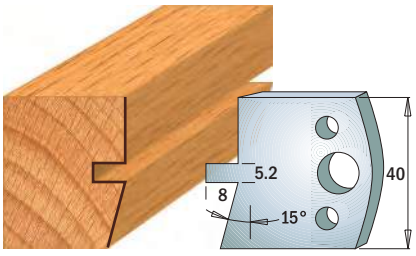
Pair of knives	**690.083**
Pair of limiters	**691.083**



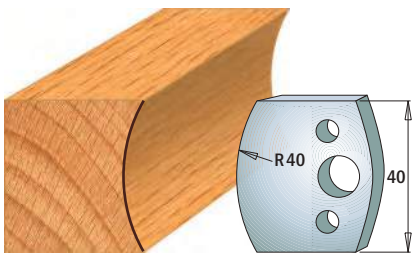
Pair of knives	**690.084**
Pair of limiters	**691.084**



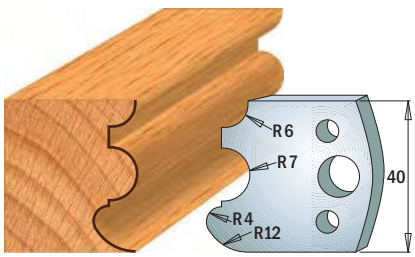
Pair of knives	**690.085**
Pair of limiters	**691.085**



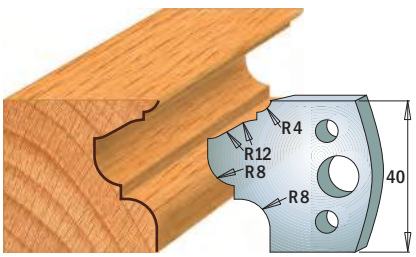
Pair of knives	**690.086**
Pair of limiters	**691.086**



Pair of knives	**690.087**
Pair of limiters	**691.087**



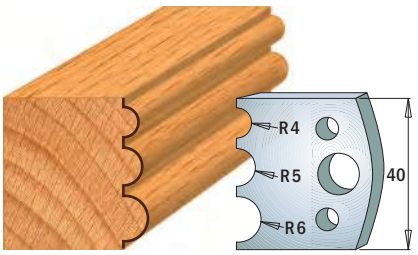
Pair of knives	**690.088**
Pair of limiters	**691.088**



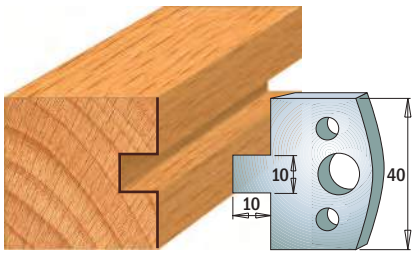
Pair of knives	**690.089**
Pair of limiters	**691.089**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

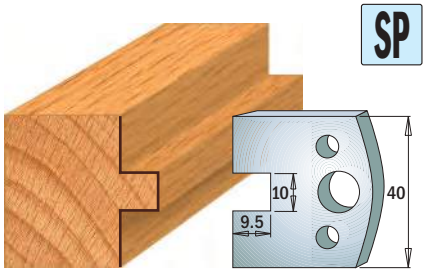
SP



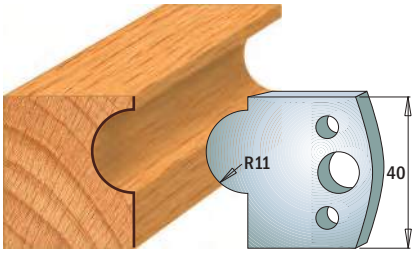
Pair of knives	**690.090**
Pair of limiters	**691.090**



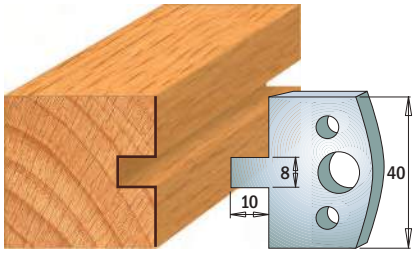
Pair of knives	**690.091**
Pair of limiters	**691.091**



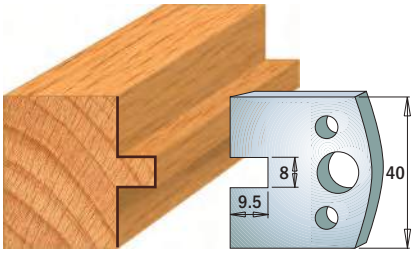
Pair of knives	**690.092**
Pair of limiters	**691.092**



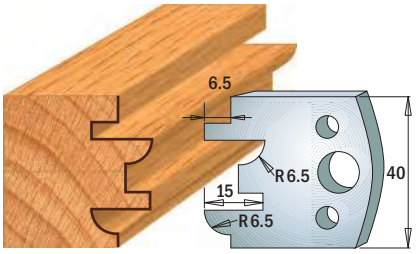
Pair of knives	**690.093**
Pair of limiters	**691.093**



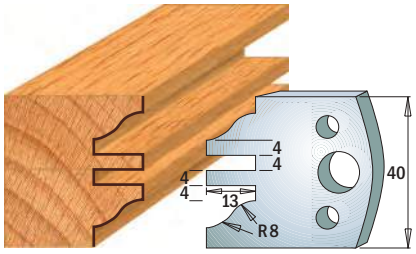
Pair of knives	**690.094**
Pair of limiters	**691.094**



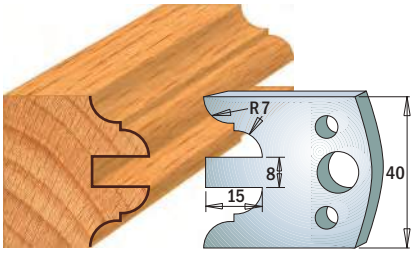
Pair of knives	**690.095**
Pair of limiters	**691.095**



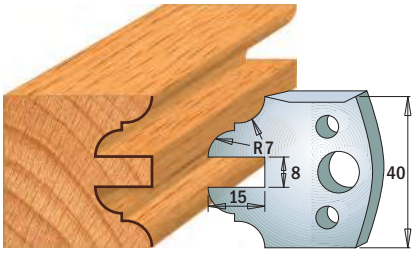
Pair of knives	**690.096**
Pair of limiters	**691.096**



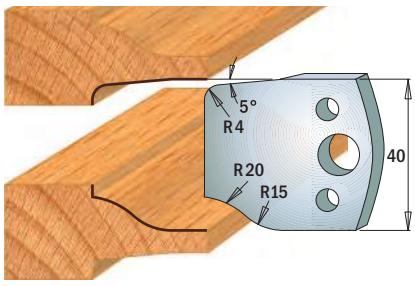
Pair of knives	**690.097**
Pair of limiters	**691.097**



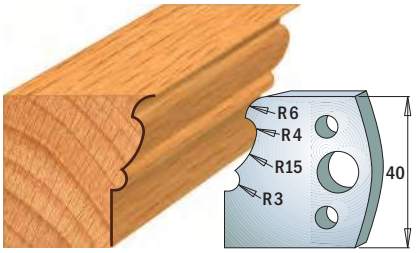
Pair of knives	**690.098**
Pair of limiters	**691.098**



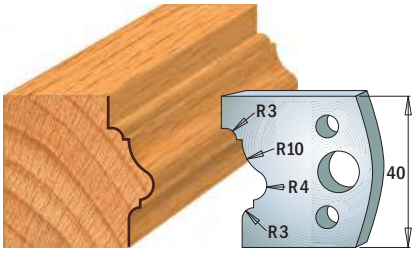
Pair of knives	**690.099**
Pair of limiters	**691.099**



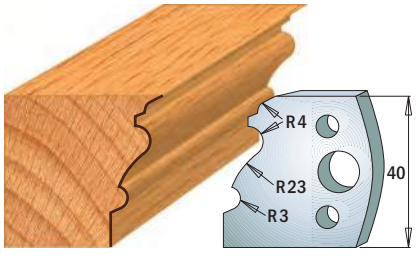
Pair of knives	**690.100**
Pair of limiters	**691.100**



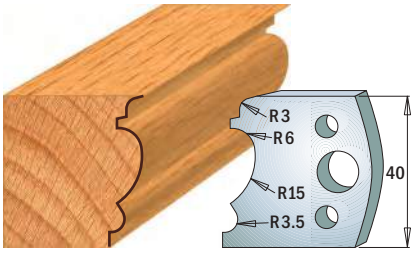
Pair of knives	**690.101**
Pair of limiters	**691.101**



Pair of knives	**690.102**
Pair of limiters	**691.102**



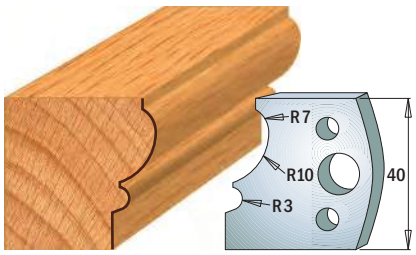
Pair of knives	**690.103**
Pair of limiters	**691.103**



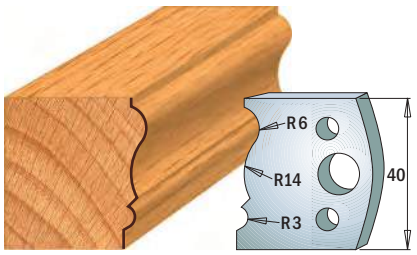
Pair of knives	**690.104**
Pair of limiters	**691.104**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

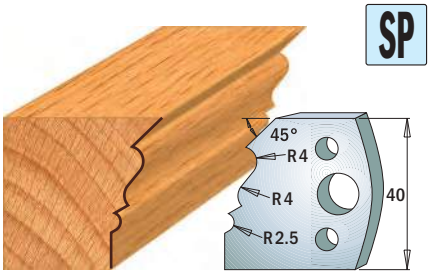
SP



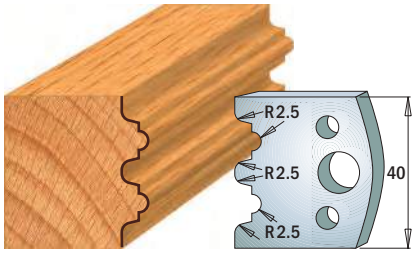
Pair of knives	**690.105**
Pair of limiters	**691.105**



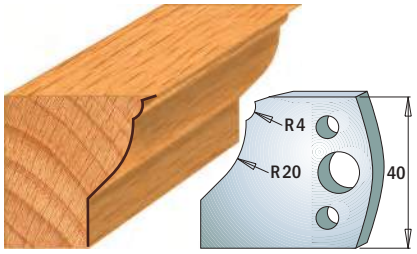
Pair of knives	**690.106**
Pair of limiters	**691.106**



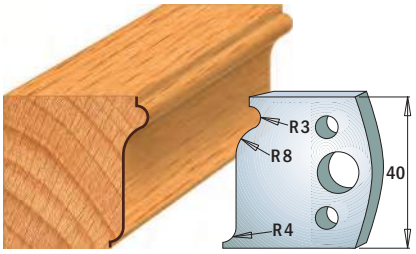
Pair of knives	**690.107**
Pair of limiters	**691.107**



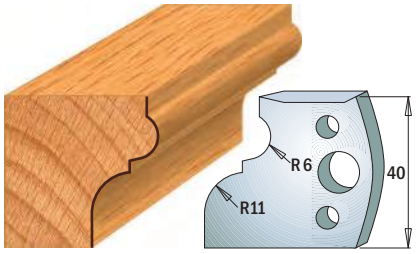
Pair of knives	**690.108**
Pair of limiters	**691.108**



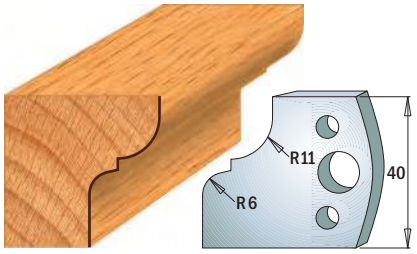
Pair of knives	**690.109**
Pair of limiters	**691.109**



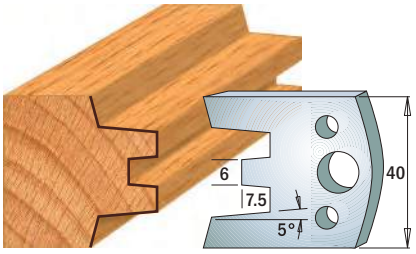
Pair of knives	**690.110**
Pair of limiters	**691.110**



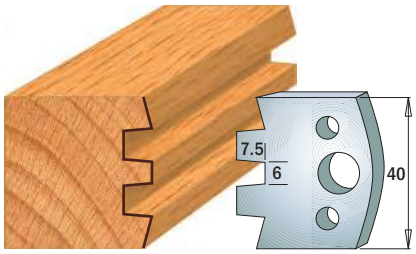
Pair of knives	**690.111**
Pair of limiters	**691.111**



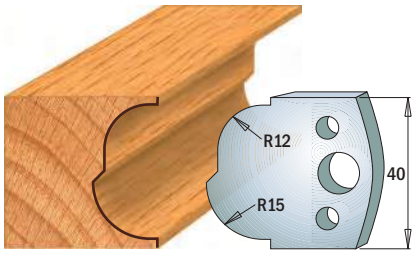
Pair of knives	**690.112**
Pair of limiters	**691.112**



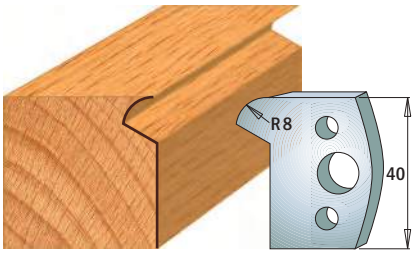
Pair of knives	**690.113**
Pair of limiters	**691.113**



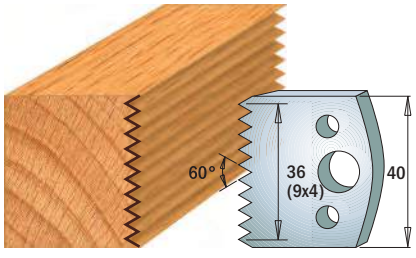
Pair of knives	**690.114**
Pair of limiters	**691.114**



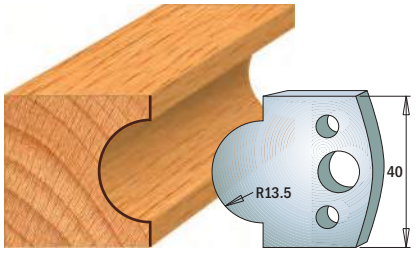
Pair of knives	**690.115**
Pair of limiters	**691.115**



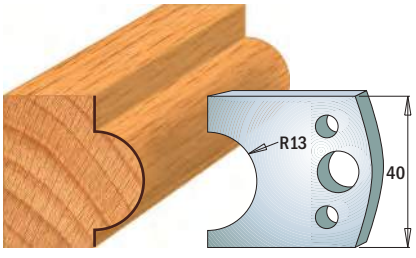
Pair of knives	**690.116**
Pair of limiters	**691.116**



Pair of knives	**690.117**
Pair of limiters	**691.117**



Pair of knives	**690.118**
Pair of limiters	**691.118**



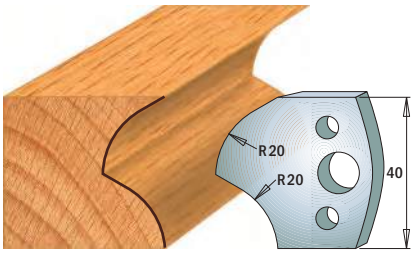
Pair of knives	**690.119**
Pair of limiters	**691.119**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

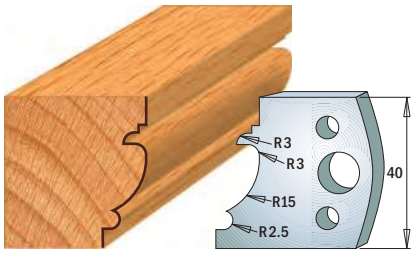
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

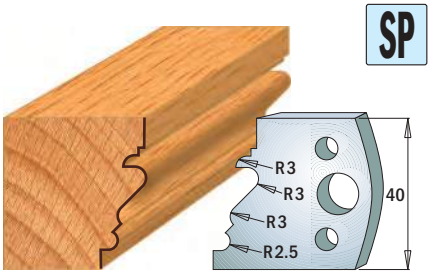
SP



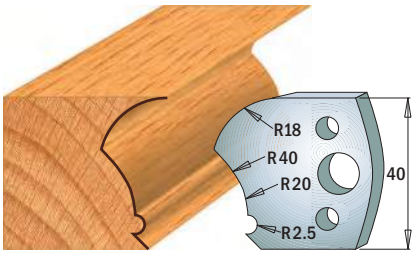
Pair of knives	**690.120**
Pair of limiters	**691.120**



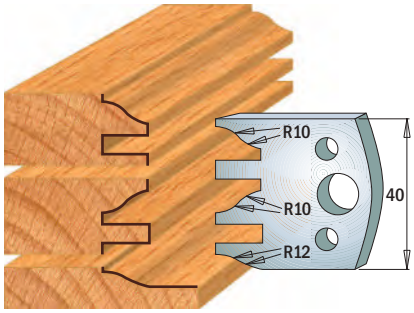
Pair of knives	**690.121**
Pair of limiters	**691.121**



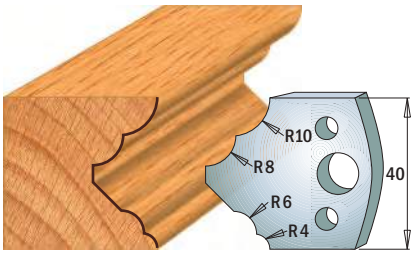
Pair of knives	**690.122**
Pair of limiters	**691.122**



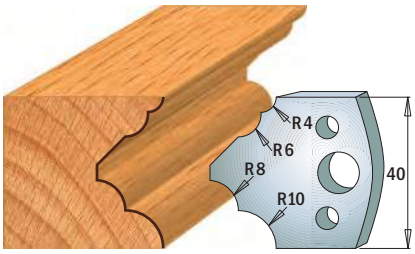
Pair of knives	**690.123**
Pair of limiters	**691.123**



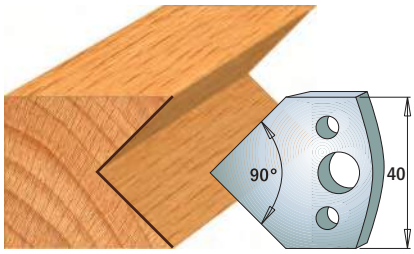
Pair of knives	**690.124**
Pair of limiters	**691.124**



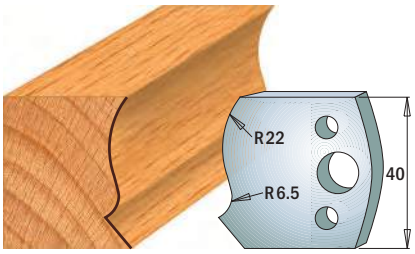
Pair of knives	**690.125**
Pair of limiters	**691.125**



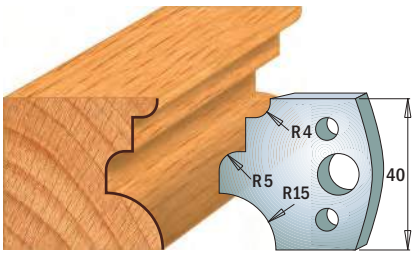
Pair of knives	**690.126**
Pair of limiters	**691.126**



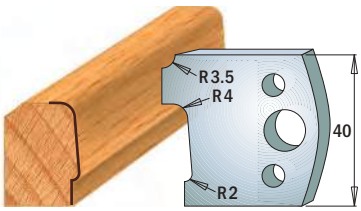
Pair of knives	**690.127**
Pair of limiters	**691.127**



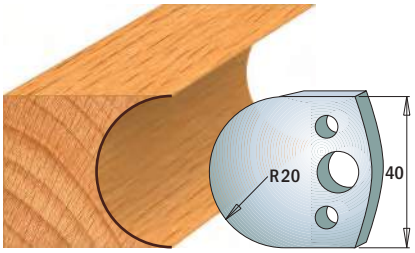
Pair of knives	**690.128**
Pair of limiters	**691.128**



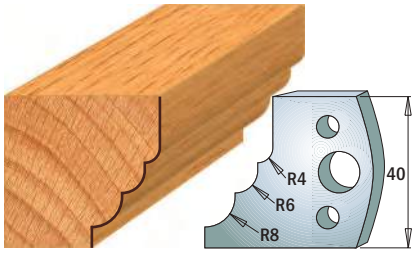
Pair of knives	**690.129**
Pair of limiters	**691.129**



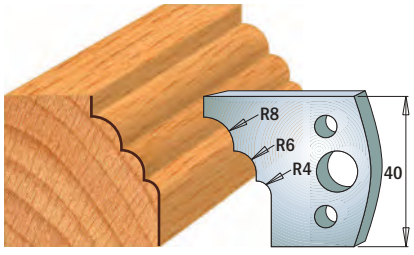
Pair of knives	**690.130**
Pair of limiters	**691.130**



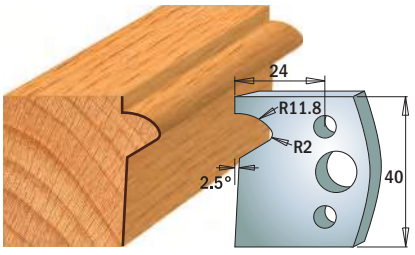
Pair of knives	**690.131**
Pair of limiters	**691.131**



Pair of knives	**690.132**
Pair of limiters	**691.132**



Pair of knives	**690.133**
Pair of limiters	**691.133**



Pair of knives	**690.135**
Pair of limiters	**691.135**

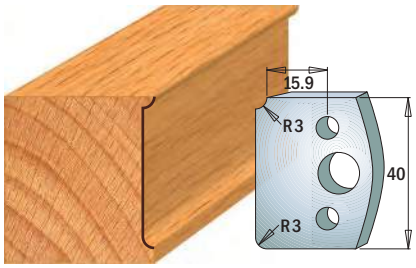
NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

Profile Knives and Limiters

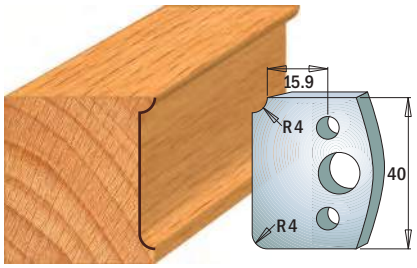
Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

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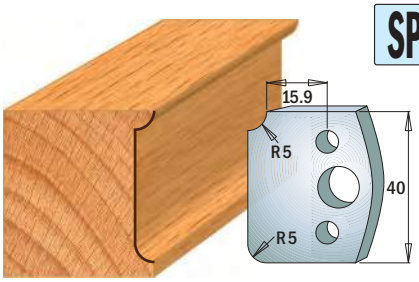
SP



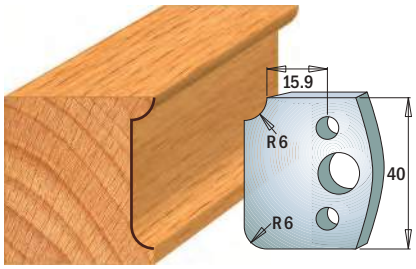
Pair of knives	**690.170**
Pair of limiters	**691.170**



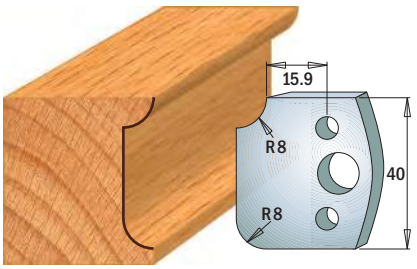
Pair of knives	**690.171**
Pair of limiters	**691.171**



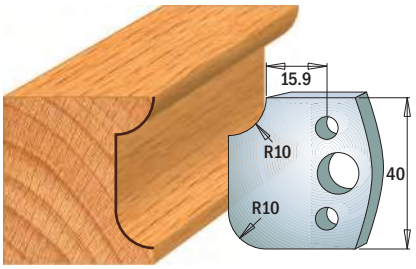
Pair of knives	**690.172**
Pair of limiters	**691.172**



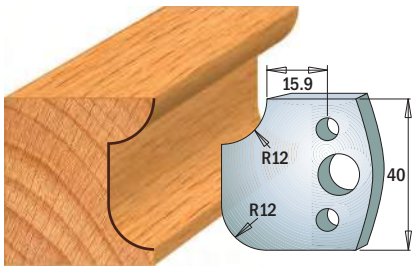
Pair of knives	**690.173**
Pair of limiters	**691.173**



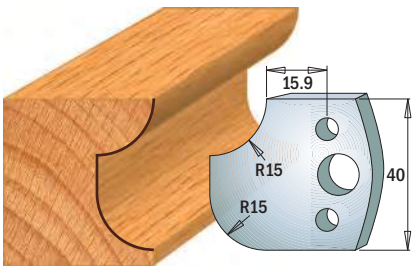
Pair of knives	**690.174**
Pair of limiters	**691.174**



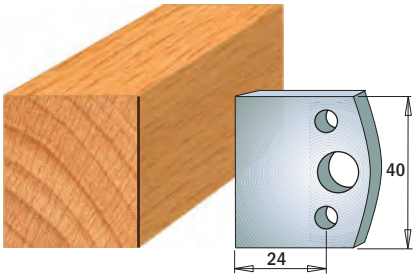
Pair of knives	**690.175**
Pair of limiters	**691.175**



Pair of knives	**690.176**
Pair of limiters	**691.176**

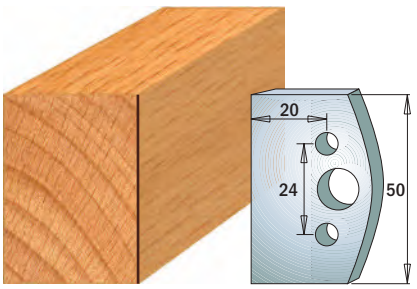


Pair of knives	**690.177**
Pair of limiters	**691.177**

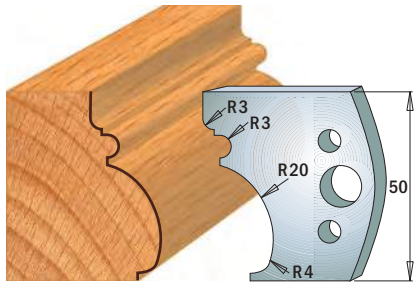


Pair of knives	**690.192**
Pair of limiters	**691.192**

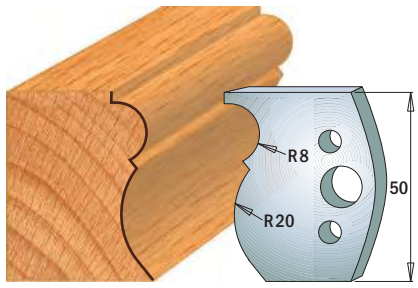
Cutting Length=50mm **Pack Qty. 10**



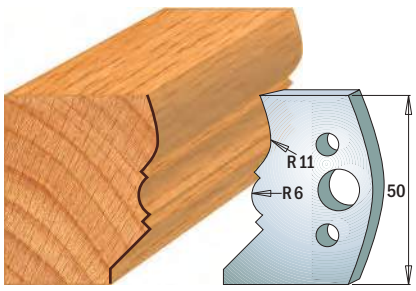
Pair of knives	**690.500**
Pair of limiters	**691.500**



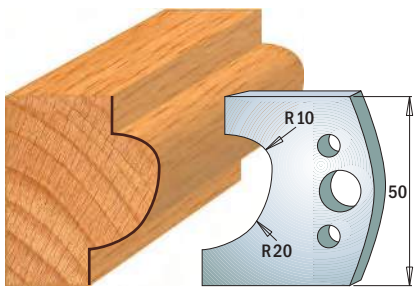
Pair of knives	**690.501**
Pair of limiters	**691.501**



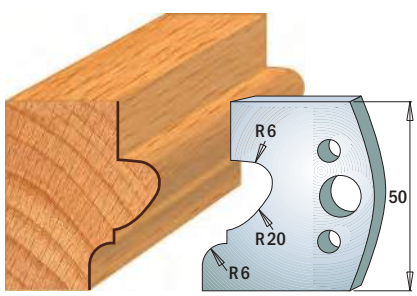
Pair of knives	**690.502**
Pair of limiters	**691.502**



Pair of knives	**690.503**
Pair of limiters	**691.503**



Pair of knives	**690.504**
Pair of limiters	**691.504**



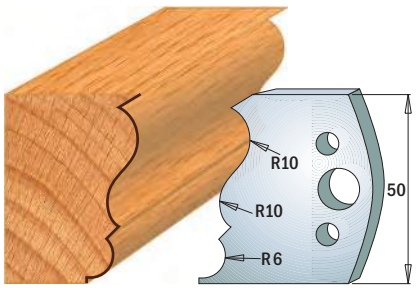
Pair of knives	**690.505**
Pair of limiters	**691.505**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

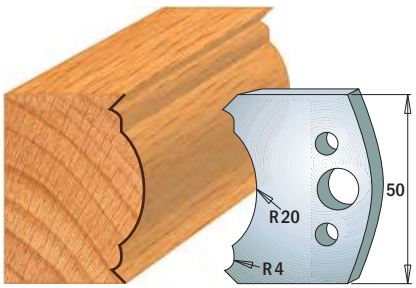
Profile Knives and Limiters

Cutting Length=50mm Thickness=4mm **Pack Qty. 10**

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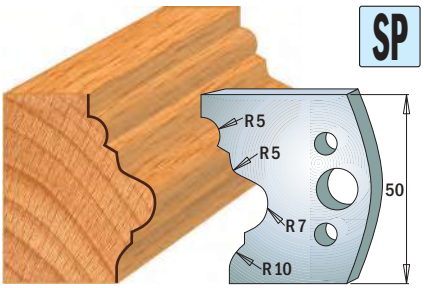


Pair of knives	**690.506**
Pair of limiters	**691.506**

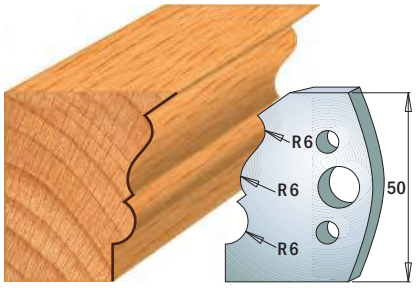


Pair of knives	**690.507**
Pair of limiters	**691.507**

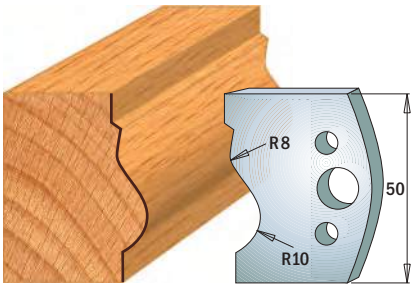
SP



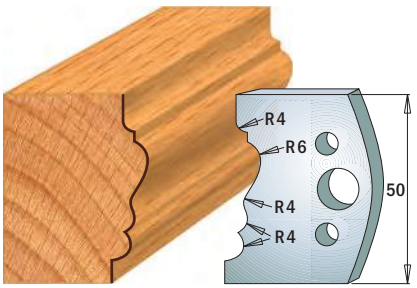
Pair of knives	**690.508**
Pair of limiters	**691.508**



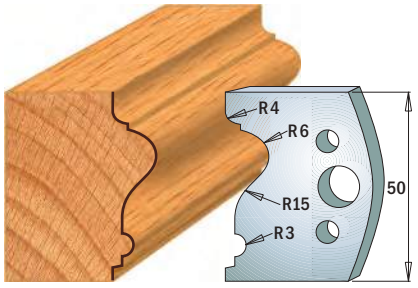
Pair of knives	**690.509**
Pair of limiters	**691.509**



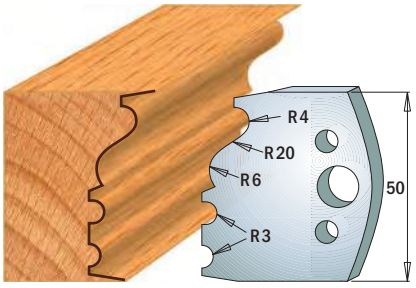
Pair of knives	**690.510**
Pair of limiters	**691.510**



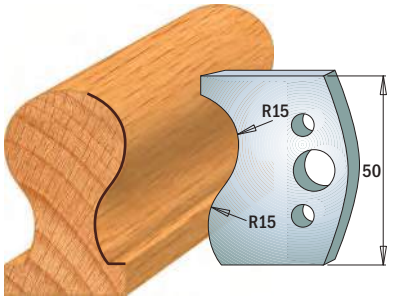
Pair of knives	**690.511**
Pair of limiters	**691.511**



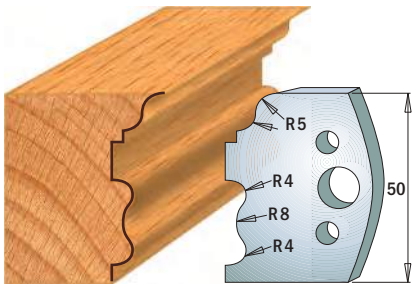
Pair of knives	**690.512**
Pair of limiters	**691.512**



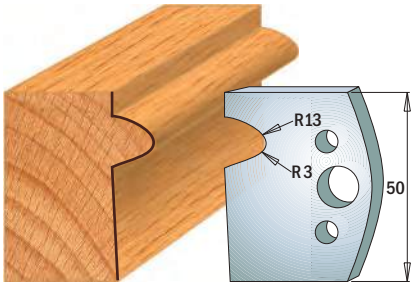
Pair of knives	**690.513**
Pair of limiters	**691.513**



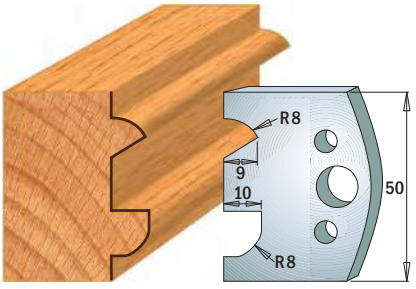
Pair of knives	**690.514**
Pair of limiters	**691.514**



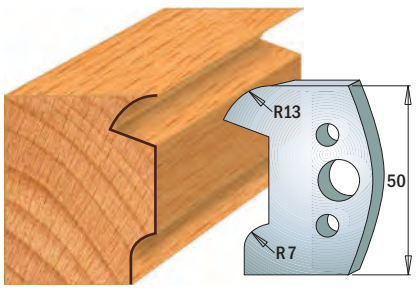
Pair of knives	**690.515**
Pair of limiters	**691.515**



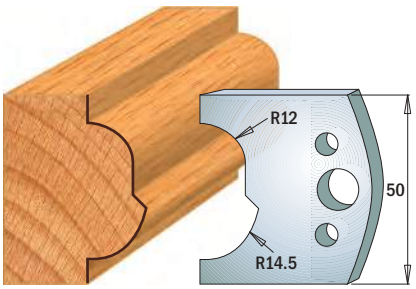
Pair of knives	**690.516**
Pair of limiters	**691.516**



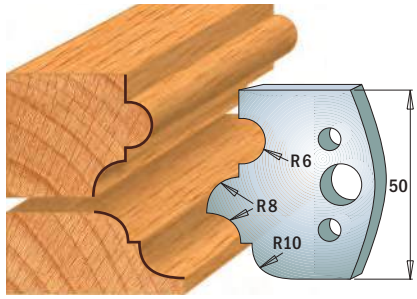
Pair of knives	**690.517**
Pair of limiters	**691.517**



Pair of knives	**690.518**
Pair of limiters	**691.518**

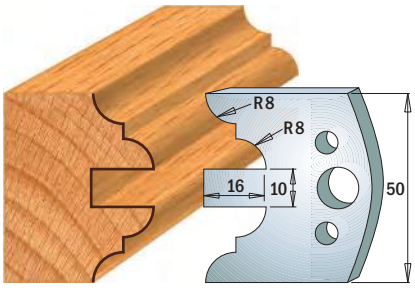


Pair of knives	**690.519**
Pair of limiters	**691.519**

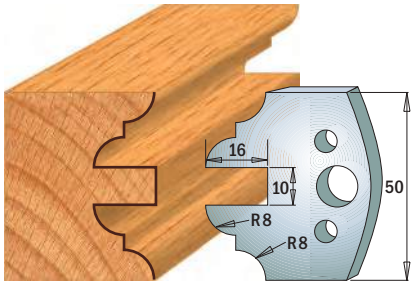


Pair of knives	**690.520**
Pair of limiters	**691.520**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

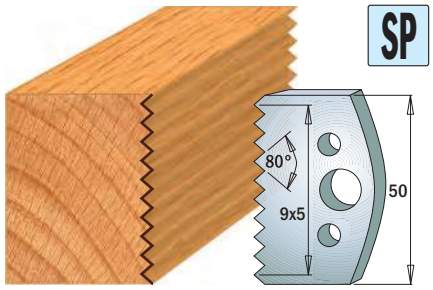


Pair of knives	**690.522**
Pair of limiters	**691.522**

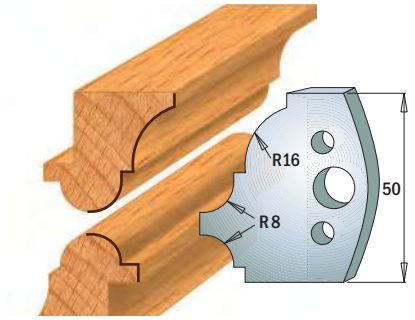


Pair of knives	**690.523**
Pair of limiters	**691.523**

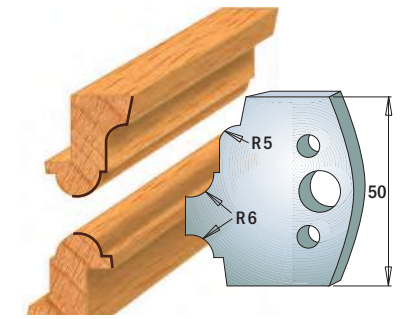
SP



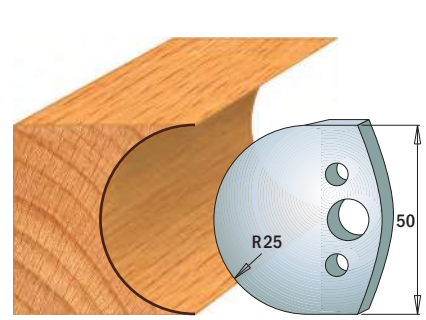
Pair of knives	**690.524**
Pair of limiters	**691.524**



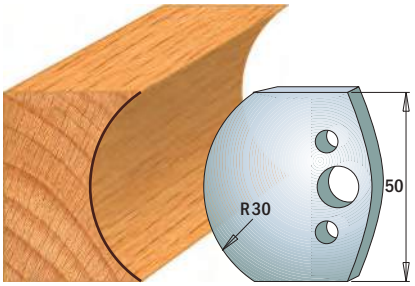
Pair of knives	**690.541**
Pair of limiters	**691.541**



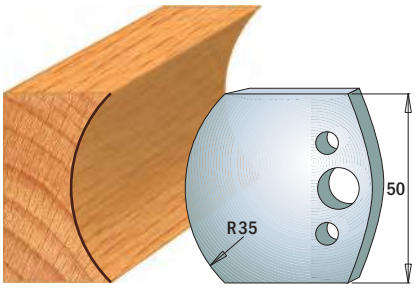
Pair of knives	**690.542**
Pair of limiters	**691.542**



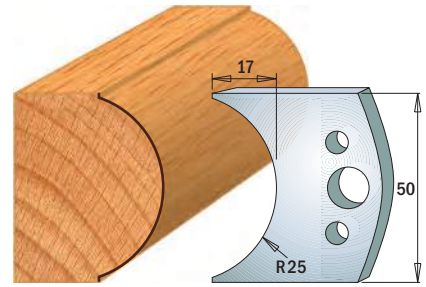
Pair of knives	**690.543**
Pair of limiters	**691.543**



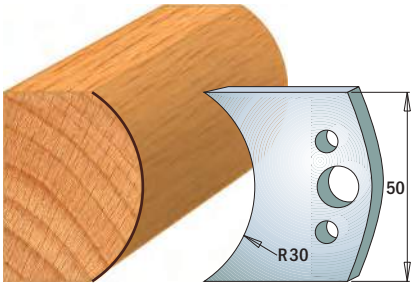
Pair of knives	**690.544**
Pair of limiters	**691.544**



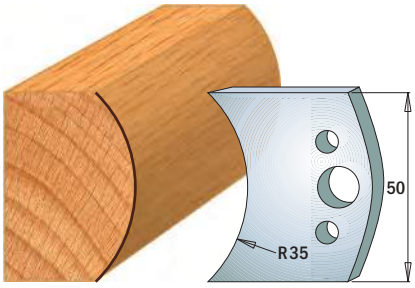
Pair of knives	**690.545**
Pair of limiters	**691.545**



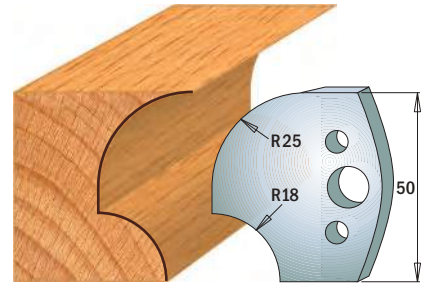
Pair of knives	**690.546**
Pair of limiters	**691.546**



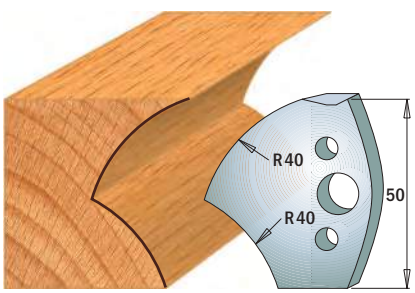
Pair of knives	**690.547**
Pair of limiters	**691.547**



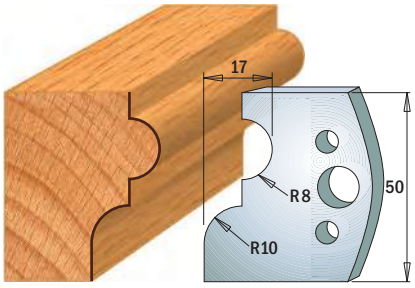
Pair of knives	**690.548**
Pair of limiters	**691.548**



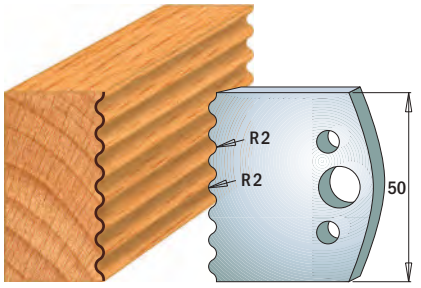
Pair of knives	**690.549**
Pair of limiters	**691.549**



Pair of knives	**690.550**
Pair of limiters	**691.550**

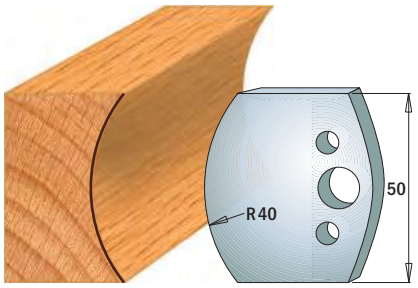


Pair of knives	**690.551**
Pair of limiters	**691.551**

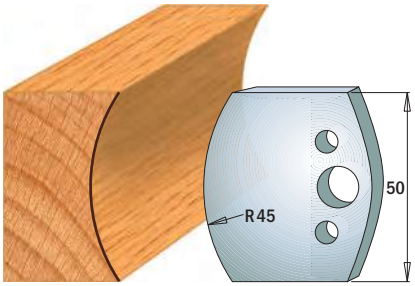


Pair of knives	**690.552**
Pair of limiters	**691.552**

NOTE: all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

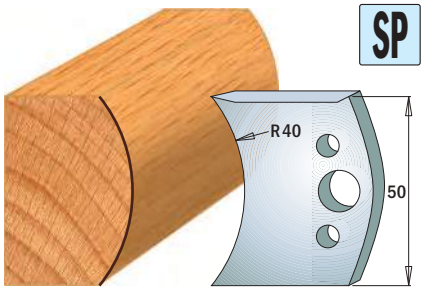


Pair of knives	**690.553**
Pair of limiters	**691.553**

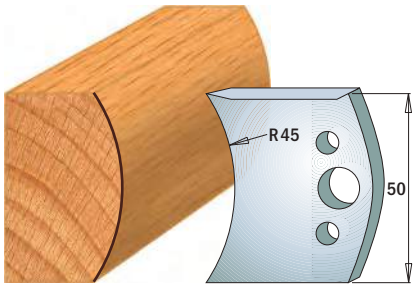


Pair of knives	**690.554**
Pair of limiters	**691.554**

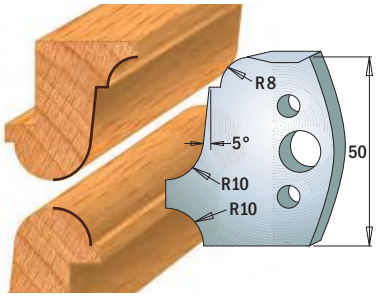
SP



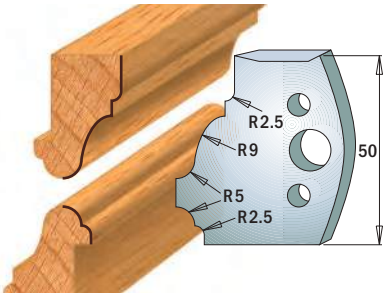
Pair of knives	**690.555**
Pair of limiters	**691.555**



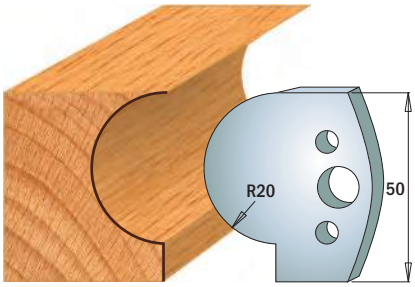
Pair of knives	**690.556**
Pair of limiters	**691.556**



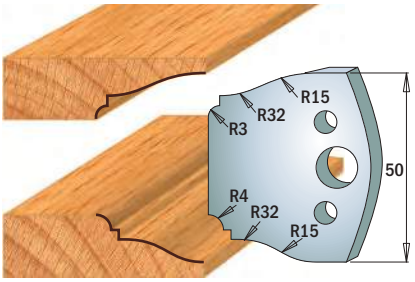
Pair of knives	**690.557**
Pair of limiters	**691.557**



Pair of knives	**690.558**
Pair of limiters	**691.558**



Pair of knives	**690.562**
Pair of limiters	**691.562**



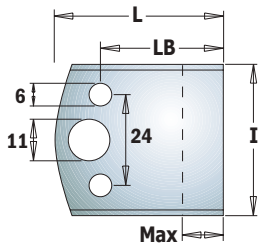
Pair of knives	**690.568**
Pair of limiters	**691.568**

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

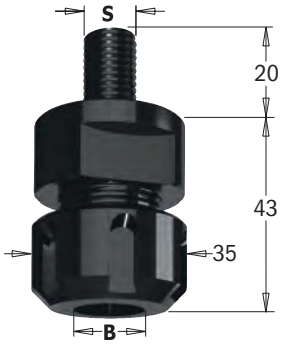


D mm	B mm		ORDER NO.	D mm	B mm		ORDER NO.
19.05	12.7	10	699.019.13	35	32	10	699.035.32
25.4	19.05	10	699.026.19	40	30	10	699.040.30
30	19.05	10	699.030.19	40	32	10	699.040.32
30	25.4	10	699.030.26	40	35	10	699.040.35
31.75	19.05	10	699.031.19	50	30	1	699.050.30
31.75	25.4	10	699.031.26	50	32	1	699.050.32
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				

To be used only in pairs.

Chucks & "ER20" Collets for Spindle Moulder Machine

796



S mm	B mm	L mm		ORDER NO.
M12x1.75	2 ~ 12.7	43	10	796.122.00
M14x2	2 ~ 12.7	43	10	796.142.00
M16x2	2 ~ 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.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts. (See page 421)

"ER20" Precision Collets for Chucks 796.122/142/162

184

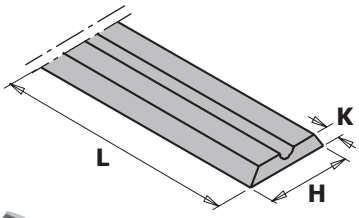


B mm		ORDER NO.	B mm		ORDER NO.
2	10	184.020.20	10	10	184.100.20
3	10	184.030.20	11	10	184.110.20
4	10	184.040.20	12	10	184.120.20
5	10	184.050.20	12.7	10	184.127.20
6	10	184.060.20			
6.35	10	184.064.20			
7	10	184.070.20			
8	10	184.080.20			
9	10	184.090.20			

790

HWM









10 PCS. CASE (MINIMUM ORDER)



2 PCS. BLISTER CASE
(790.780/790.805/790.820)

L mm	H mm	K mm	MACHINE	MODEL MACHINE	ORDER NO. 2 pcs. blister case	ORDER NO. 10 pcs. blister case
56	5.5	1.1	ADLER®			**790.560.00**
60	5.5	1.1	WEGOMA®			**790.600.01**
75.5	5.5	1.1	AEG®	HTH75		**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	5.5	1.1	VIRUTEX®		**790.780**	**790.780.00**
80.5	5.5	1.1	AEG®, BOSCH®		**790.805**	**790.805.01**
			HAFFNER®			
			ELU®	MFF40, MFF80, MFF81, MFF81EK, PF161		
82	5.5	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		
			PERLES®	HHB82B		
			PEUGEOT®	RA400, 82RAC, RA82CS, BR82 BRA1-82, BRA3-82, RA1082CA		
			RYOBI®	L1323-A		
			SKIL®	H92, H94, H95, H96, H97 1506, 1510		
			STAYER®	980B		
92	5.5	1.2	AEG®	450		**790.920.00**
			HITACHI®	F30A, FU30		
			RYOBI®	L120N, L150N, L1205N, L1323		
102	5.5	1.1	AEG®	HB750, EH102, HBE800		**790.992.00**





2 PCS. BLISTER CASE

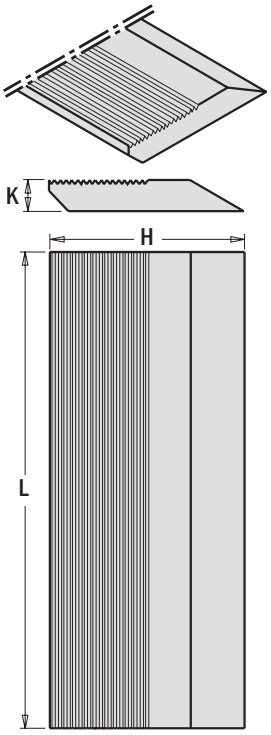
L mm	H mm	K mm	MACHINE	MODEL MACHINE	ORDER NO. 2 pcs. HSS	ORDER NO. 2 pcs. HW
82	29	3	BOSCH®	GHO20-82	**790.821.50**	**790.821.10**
			BLACK & DECKER®	DN710, DB711		
			MAKITA®	1900B, 1923B, 1100, 1901		
				1125, KP0800K, KP0810, XPK01		
			RYOBI®	L-1323A, L-282		
110	29	3	MAKITA®	1002BA, 1911B	**790.110.50**	

TECHNICAL DETAILS:
- Order no. ISO: K40
- Hardness (HV10):.....1.400
- Transverse rupture strength (N/mm²):.....2.600

APPLICATION:
Softwood ..... Good
Hardwood ..... Suitable
Plywood ..... Suitable

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

793



IN QUADROPACK PACKAGING
4 KNIVES FOR EACH SET

L mm	H mm	K mm	ORDER NO. pieces for each set		ORDER NO. HSS
40 x	70 x	8	4	1	793.040.70 ■
60 x	50 x	8	4	1	793.060.50 ■
100 x	70 x	8	4	1	793.100.70 ■
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	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

■ *While supplies last*

REMARK: *special dimensions available on request.*

TECHNICAL DETAILS:
Corrugated back moulder knives for profile cutter heads with precise positioning, angle 60°, pitch 1.6mm

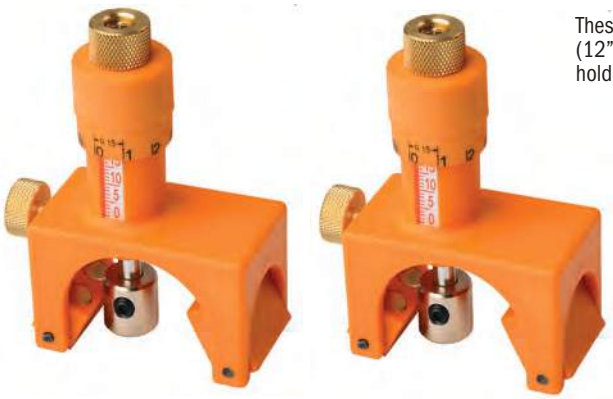


MATERIAL	HSS
Dry softwood	●
Wet softwood	●
Dry hardwood	●
Wet hardwood	○

● **Suitable**
○ **Party suitable**

Set of 2 Magnetic Knife Setting Jigs

CMT792

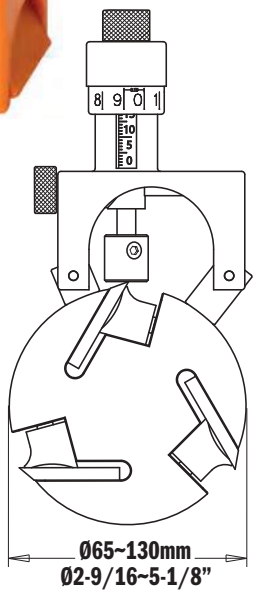


These jigs have been designed to fit all planers from 300mm (12") up to 600mm (24"). Strong magnets ensure superior holding power. Micro precision knife adjustment.

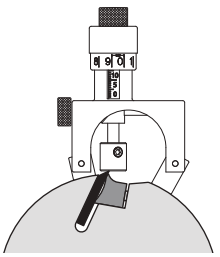


Download instructions sheets from our website

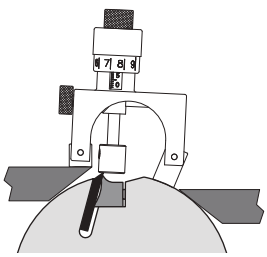




2 SETUP POSSIBILITIES



Detection of the knife position with direct positioning on the tool holder body.



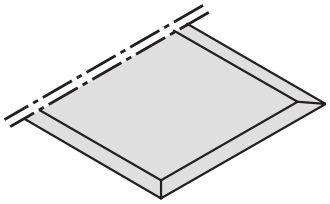
Detection of the knife position with positioning on planer table and the tool holder body.

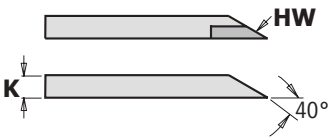
DESCRIPTION		ORDER NO.
Set of 2 magnetic knife setting jigs	30	CMT792

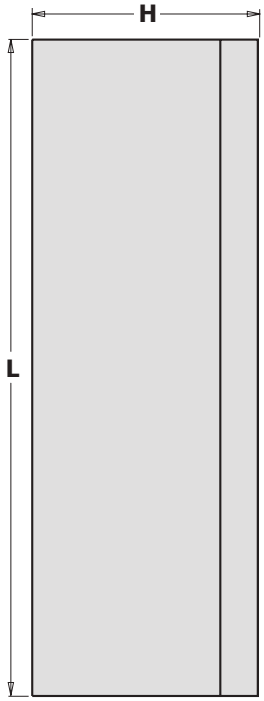
CMT ORANGE TOOLS®

SP HSS HW

792







IN QUADROPACK PACKAGING
2 KNIVES FOR EACH SET

* The HSS knives are balanced and milled.

L mm	H mm	K mm	KNIVES pieces for each set		ORDER NO. SP	ORDER NO. HSS*	ORDER NO. HW
130 x	30 x	3	2	1		792.130.30	792.132.30
150 x	30 x	3	2	1		792.150.30	
180 x	30 x	3	2	1		792.180.30	792.182.30
200 x	30 x	3	2	1		792.200.30	
210 x	30 x	3	2	1		792.210.30	
230 x	30 x	3	2	1		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		792.310.30	792.312.30
350 x	30 x	3	2	1		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		792.410.30	792.412.30
430 x	30 x	3	2	1		792.430.30	
450 x	30 x	3	2	1	792.451.30	792.450.30	
500 x	30 x	3	2	1	792.501.30	792.500.30	792.502.30
510 x	30 x	3	2	1		792.510.30	792.512.30
520 x	30 x	3	2	1		792.520.30	792.522.30
530 x	30 x	3	2	1		792.530.30	792.532.30
600 x	30 x	3	2	1		792.600.30	
610 x	30 x	3	2	1		792.610.30	
630 x	30 x	3	2	1		792.630.30	792.632.30
640 x	30 x	3	2	1		792.640.30	
810 x	30 x	3	2	1		792.810.30	
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	
350 x	35 x	3	2	1		792.350.35	
400 x	35 x	3	2	1	792.401.35	792.400.35	
410 x	35 x	3	2	1		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		792.530.35	
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		792.650.35	
710 x	35 x	3	2	1		792.710.35	
810 x	35 x	3	2	1		792.810.35	
820 x	35 x	3	2	1			
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			○

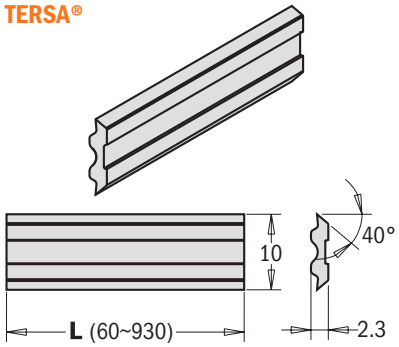
● **Suitable**
○ **Partly suitable**

REMARK: *special dimensions available on request.*
The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.

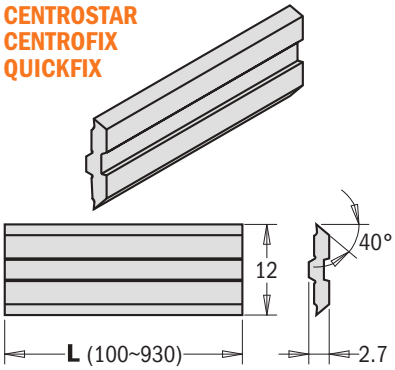


795

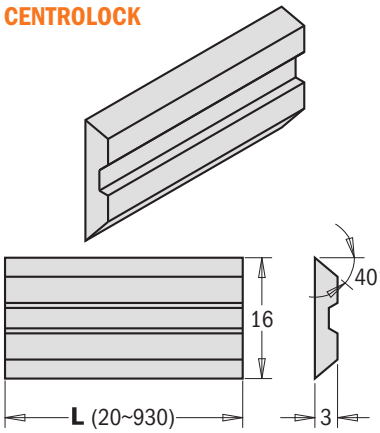
TERSA®



CENTROSTAR
CENTROFIX
QUICKFIX



CENTROLOCK



2 KNIVES FOR EACH SET

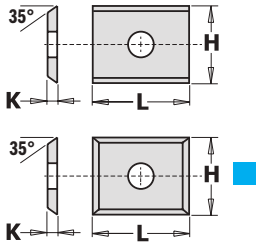
TERSA®			CENTROSTAR, CENTROFIX, QUICKFIX			CENTROLOCK		
L mm	H mm	K mm	ORDER NO.	L mm	H mm	K mm	ORDER NO.	L mm	H mm	K mm	ORDER NO.
100	10	2.3	**795.100.10**								
110	10	2.3	**795.110.10**								
120	10	2.3	**795.120.10**								
130	10	2.3	**795.130.10**	130	12	2.7	**795.130.12**	130	16	3	**795.130.16**
								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	16	3	**795.190.16**
210	10	2.3	**795.210.10**								
230	10	2.3	**795.230.10**					230	16	3	**795.230.16**
				240	12	2.7	**795.240.12**	240	16	3	**795.240.16**
260	10	2.3	**795.260.10**					260	16	3	**795.260.16**
								270	16	3	**795.270.16**
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**
350	10	2.3	**795.350.10**								
400	10	2.3	**795.400.10**								
410	10	2.3	**795.410.10**	410	12	2.7	**795.410.12**				
420	10	2.3	**795.420.10**								
430	10	2.3	**795.430.10**								
450	10	2.3	**795.450.10**								
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**								
540	10	2.3	**795.540.10**								
630	10	2.3	**795.630.10**	630	12	2.7	**795.630.12**				
640	10	2.3	**795.640.10**	640	12	2.7	**795.640.12**				
930	10	2.3	**795.930.10**								

TECHNICAL DETAILS:
HPS® is a material specifically developed for the wood industry, featuring the following characteristics:
Excellent wear resistance, maximum hardness level, easy to resharpen, proven through specific testing.
Tests conducted using oak wood at a spindle speed of 6000 RPM and a feed rate of 24 m/min produced the following result:
10.000 meters achieved with HSS material, 17.500 metres with HPS®.

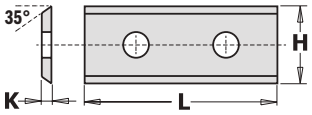
MATERIAL	GOOD	EXCELLENT
Dry Softwood		●
Wet Softwood		●
Dry Hardwood		●
Wet Hardwood		●
Exotic Hardwood	●	

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

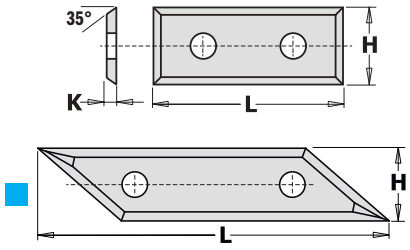
790



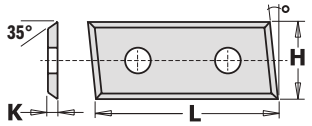
L mm	H mm	K mm	TYPE	A	Z	ORDER NO. K1920	ORDER NO. K2250
7.5	12	1.5		35°	2	790.075.00	
7.65	12	1.5		35°	2	790.076.00	
9.6	12	1.5		35°	2	790.096.00	
15	12	1.5		35°	2	790.150.00	
19.5	12	1.5	■	35°	4	790.195.12	
20	12	1.5		35°	2	790.200.00	790.200.03



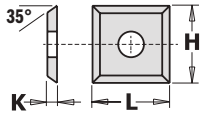
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
24.7	12	1.5		35°	2	790.250.00	
30	12	1.5		35°	2	790.300.00	790.300.03
30	12	1.5		45°	2	790.300.20	
40	12	1.5		35°	2	790.400.00	790.400.03
50	12	1.5		35°	2	790.500.00	790.500.03
60	12	1.5		35°	2	790.600.00	790.600.03



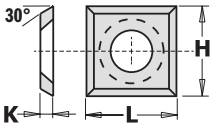
L mm	H mm	K mm	TYPE	A	Z	ORDER NO. K1920	
29.5	9	1.5		35°	4	790.295.09	
29.5	12	1.5		35°	4	790.295.12	
39.5	9	1.5		35°	4	790.395.09	
39.5	12	1.5		35°	4	790.395.12	
49.2	9	1.5		35°	4	790.495.09	
49.2	12	1.5		35°	4	790.495.12	
58	12	1.5	■	35°	2	790.580.01	



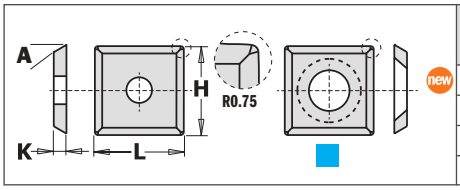
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
28.3	12	1.5		35°	4	790.283.12	
48.3	12	1.5		35°	4	790.483.12	



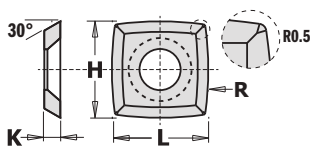
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
10.5	10.5	1.5		35°	4		790.105.03
12	12	1.5		35°	4	790.120.00	790.120.03



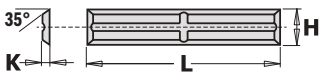
L mm	H mm	K mm		A	Z	ORDER NO. K1920	ORDER NO. K2250
13.6	13.6	2		30°	4	790.136.00	
14	14	1.2		30°	4	790.140.10	
14	14	2		30°	4	790.140.00	790.140.03
14	14	2		45°	4	790.140.02	



L mm	H mm	K mm	TYPE	A	Z	ORDER NO. K1920	
10.5	10.5	1.5		35°	4	790.105.20	
12	12	1.5		35°	4	790.120.20	
14	14	2	■	30°	4	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	

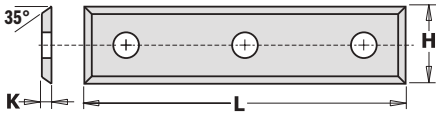


L mm	H mm	K mm		A	Z	ORDER NO. K1920	
20	4.1	1.1		35°	4	790.200.01	
30	5.5	1.1		35°	4	790.300.01	
50	5.5	1.1		35°	4	790.500.01	

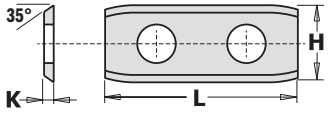
CMT ORANGE TOOLS®

790

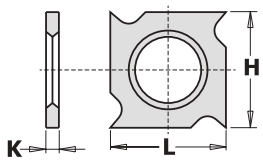
HWM



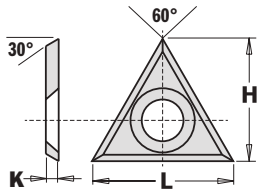
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
50	9	1.5		35°	4	790.500.09	
50	12	1.7		35°	4	790.503.00	



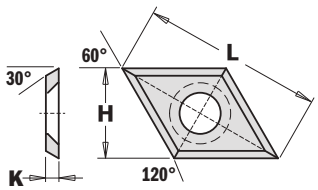
L mm	H mm	K mm	B	A	Z	ORDER NO. K1920	
20	12	1.5	1	35°	2	790.201.00	
24	12	1.5	1	35°	2	S790.242.00	
30	12	1.5	2	35°	2	790.301.00	
50	12	1.5	2	35°	2	790.501.00	



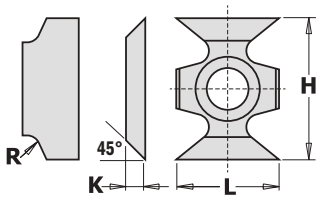
L mm	H mm	K mm			Z	ORDER NO. K1920	
18	18	1.95			4	790.181.00	
18	18	2.45			4	790.182.00	



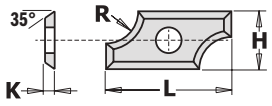
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
22	19	2		30°	3	790.220.02	



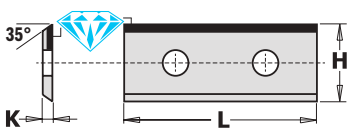
L mm	H mm	K mm		A	Z	ORDER NO. K1920	
28	14	2		30°	2	790.280.00	



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	R 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 pcs. or multiple of 2 pcs. 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 pcs. or multiple of 10 pcs. order.

UP & DOWN CUT SPIRAL

184

Z1 UPCUT SPIRAL

184

Z2 UP & DOWN CUT SPIRAL

185

STRAIGHT WITH CENTER TIP

186

STRAIGHT

187~189

STRAIGHT WITH THREADED SHANK

190

SPIRAL FOR ALUMINIUM AND PVC

191

STRAIGHT WITH INSERT KNIVES

192-193

MORTISING & HINGE

194-195

PATTERN

196

PATTERN WITH INSERT KNIVES

197

WEATHERSEAL

198

COMBINATION TRIMMER

198-199

COMBINATION TRIMMER WITH BEARING

199

FLUSH TRIM

200-201

SPIRAL FLUSH TRIM

202

FLUSH TRIM FOR LAMINATE

202-203

FLUSH TRIM WITH INSERT KNIVES

203

PATTERN/FLUSH WITH INSERT KNIVES

204

PANEL PILOT

205

RABBETING

206~208

RABBETING WITH INSERT KNIVES

207-208

KEYHOLE

209

T-SLOT

209

SCREW SLOT

210

FLOORING

210

SLOT CUTTERS & SETS

211~213

FLUTE AND BEAD

214

LOCK MITER

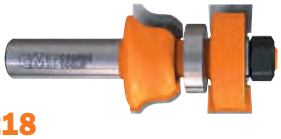
214-215

REVERSE GLUE JOINT

216

DRAWER LOCK


217

WINDOW SASH


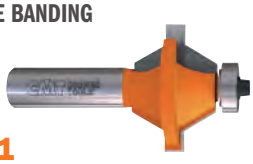
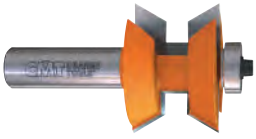
218

GLASS DOOR SASH


219

V-TONGUE & GROOVE


221

EDGE BANDING


221

FINGER JOINT

220

DOVETAIL

222~224

60° LETTERING

225

BOWL & TRAY

225

V-GROOVING & LASER POINT

226~228

CHAMFER

229-230

CHAMFER WITH INSERT KNIVES

229

ROUND NOSE

231-232

BALL END

232

COVE

233-234

OVOLO, BEADING AND ROUNDOVER

234~237

ROUNDOVER WITH INSERT KNIVES

235

DECORATIVE BEADING

238-239

OGEE & PROFILES

240-241

ADJUSTABLE ROUNDOVER

242

WAINSCOT PANELING

243

CORNER BEADING

243-244

BEAD & BULL NOSE

244

EDGE-FLUTING

245



MOULDING SYSTEM

245

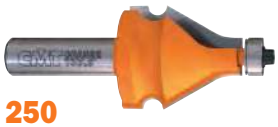


MOULDING

246~248

DOOR FINGER PULL

248-249

TABLE EDGE & HAND RAIL



250

VERTICAL RAISED PANEL

250

RAISED PANEL

254-255

RAIL & STILE SET



251~253

STILE & PANEL

256

SLOT CUTTER FOR STRIPLOX®

257

SOLID SURFACE - COUNTER TOP TRIM

257

SOLID SURFACE - ROUNDOVER

258-259

SOLID SURFACE - BEVEL

260

SOLID SURFACE - CUT & PLUG REPAIR SET

261

SOLID SURFACE - NO-DRIP/INLAY

262-263

SOLID SURFACE - WAVY JOINT

262

SOLID SURFACE - SINK & TRIM

264

ROUTER BIT SETS

265~275

STRAIGHT

277

PATTERN

278

FLUSH TRIM

278

ROUND NOSE

278

V-GROOVE

279

DECORATIVE

279

KEYHOLE

279

DOVETAIL

280

SLOT CUTTER

280

CHAMFER

280

RABBETING

281

COVE

281

OVOLO

281

ROUNDOVER & BEADING

282

OGEE

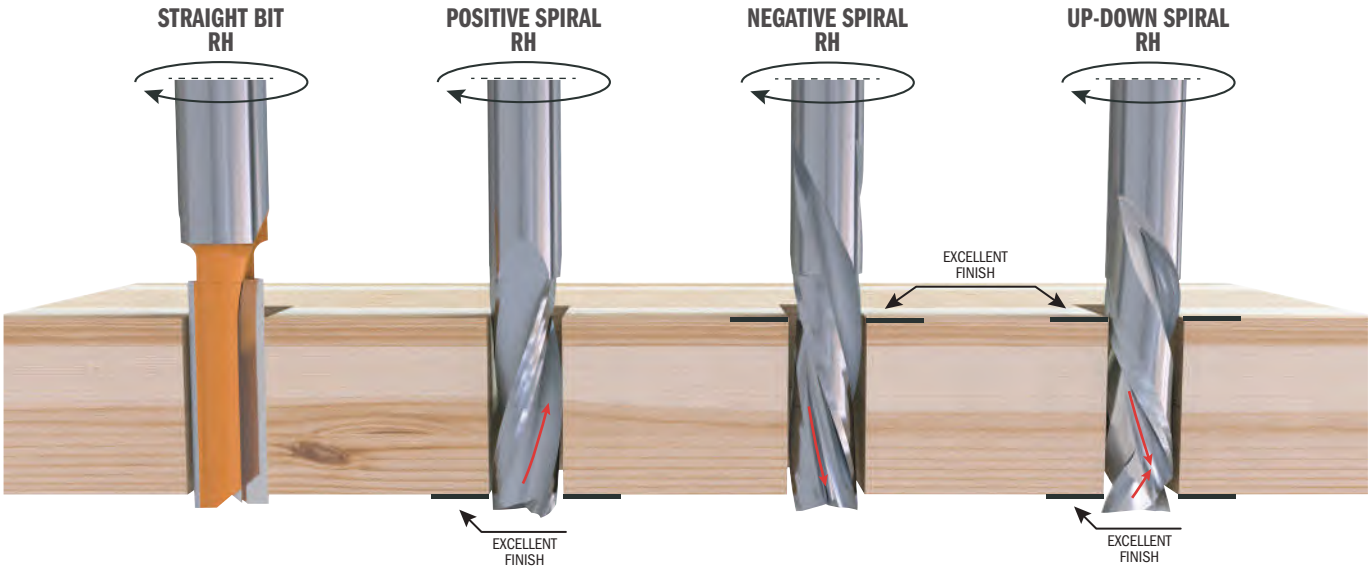
282

ROUTER BIT SETS

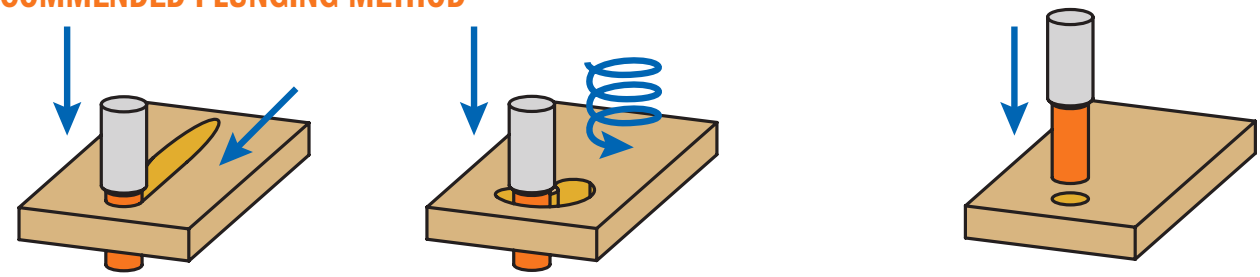
283

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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	

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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

CMT XTREME BALANCING®

PREMIUM QUALITY STEEL

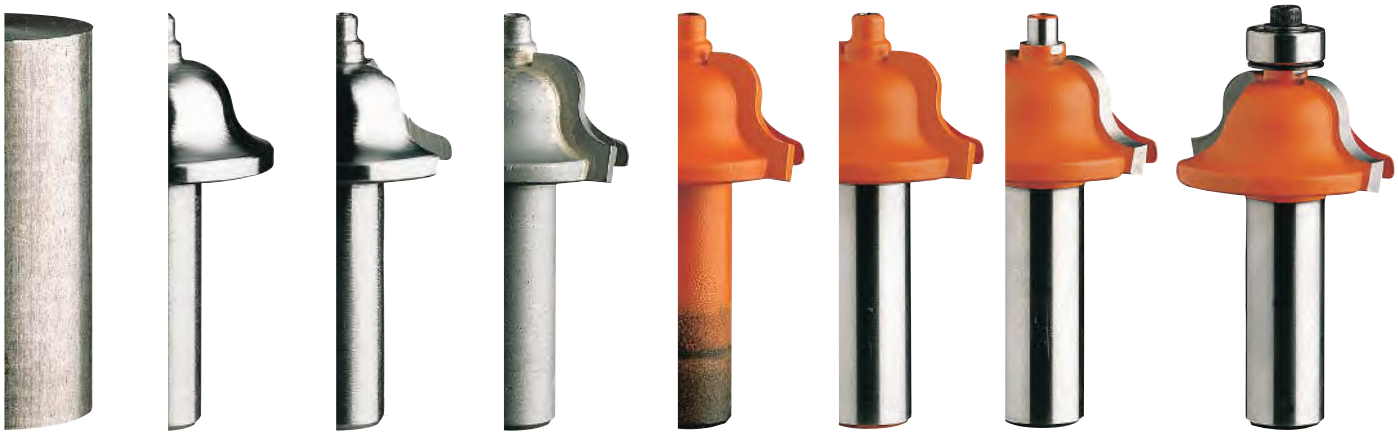
SUPERIOR HIGH-STRENGTH STEEL

We use high-quality, solid bar stock sourced from Switzerland, which provides exceptional resistance to fatigue and abrasion.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

BUILDING THE WORLD'S FINEST CUTTING TOOLS

We built our foundations and reputation for high quality tools on the craftsman-like manufacturing of boring bits and router bits. Times have changed and current technology has completely altered the industry. As a result, our facilities have been newly renovated and our equipment today represents the most advanced technology available on the market. This allows us to continue to manufacture cutting tools with the skill and care that we always have.



DESIGN

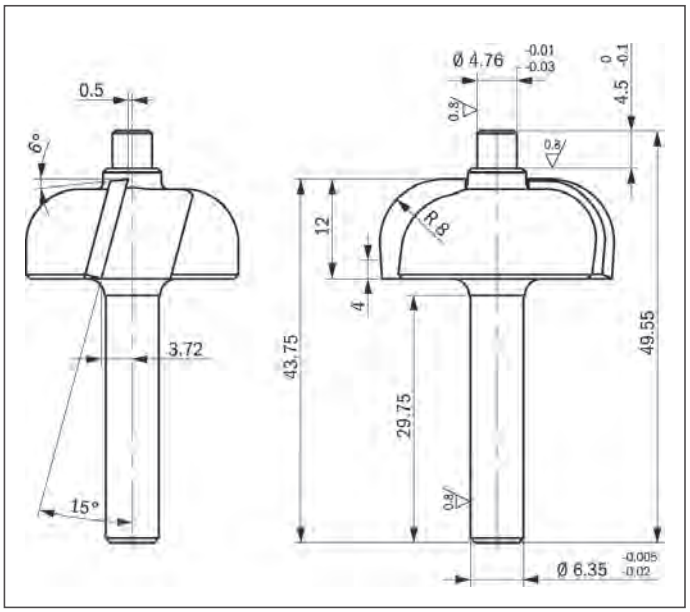
We engineer all of our products with a purpose in mind. Years of developing high performance cutting tools means that our top-sellers are tried and true, the result of continued perfection of each design, but we don't stop there: new materials, new profiles and new methods continue to emerge everyday.

At CMT, our objective is to remain on the cutting edge of innovation so our technical department ensures to continually monitor market developments, incorporate state-of-the-art software and apply experience in the sector to 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. Our steel is comes from right above the border in Switzerland where an exclusive hot drawing process is applied to forge the solid bar stock we use to manufacture our shanks and bodies.
The result? 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

Even the simplest of tasks can include a margin for error. However at CMT, we take measures to prevent 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 evaluates every part of the tool without actually coming into contact with it, to make sure that the tool dimensions are accurate and that the profiles conform precisely to technical specification. We also use this system to gauge the wear and tear on the CNC machines.



CMT's fully automatic measuring system.

Solid Carbide Spiral Bits

CMT ORANGE TOOLS®

Thanks to the spiral cutting edge which stays in continuous contact with the workpiece, these bits provide smoother, chatter-free cutting action, unlike conventional bits which have intermittent contact with the workpiece. Unsurpassed performance and 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-held routers. ***Excellent quality-price ratio!***



190.41 UPCUT & DOWNCUT SPIRAL - DLCS Chrome Coating

HWM | Z2+2 | Z3+3 | RH | UP DOWN | LONG LIFE

D mm	I mm	I1 Pos. mm	L mm	Z		ORDER NO. S=Ø8mm	ORDER NO. S=Ø9.53mm	ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
8	32	7	80	2+2	10	**190.080.41**				
9.53	28.6	7	76.2	2+2	10		**190.504.41**			
10	32	7	80	2+2	10			**190.100.41**		
10	42	7	90	2+2	10			**190.101.41**		
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										
9.53	22.2	4.8	76.2	2+2	10		**190.513.41**			
9.53	25.4	5.2	76.2	3+3	10		**190.813.41**			
12	25	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**



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=Ø9.53mm	ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
6.35	22.2	7	63.5	2+2	10	**190.008.11**					
8	32	7	80	2+2	10		**190.080.11**				
9.53	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											
9.53	22.2	4.8	76.2	2+2	10			**190.513.11**			
9.53	25.4	5.2	76.2	3+3	10			**190.813.11**			
12	25	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**
12.7	28.5	6	76.2	3+3	10						**190.815.11**



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	15.88	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**





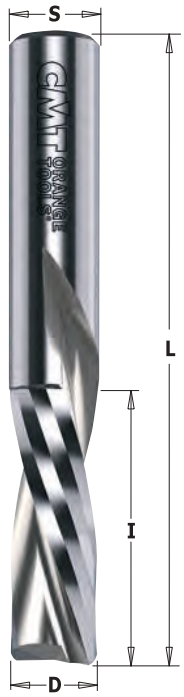




191 UPCUT SPIRAL

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





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

EXTRA HARD DLCS CHROME COATING

192.41 DLCS Chrome Coating (See page 299)

XTREME PERFORMANCE 3X LONGER LIFE THAN UNCOATED LONG LIFE



174 - 177 - 912

HWM HW Z2+1 RH

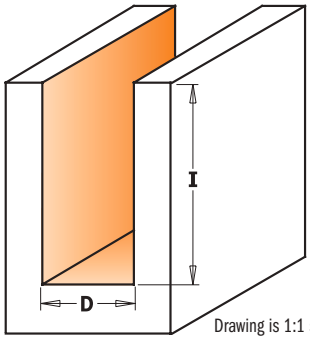
These industrial straight bits are made from stainless steel specifically created to withstand rigorous workloads on hand-held or CNC routers. The two lateral cutting edges allow you to execute any kind of plunge drilling and trimming jobs on solid, soft or hardwood, wood composite and plastic or laminated materials.

APPLICATION: - soft and hardwood and wood composite
- chipboard, MDF (laminate & melamine)
- plywood, veneer, ecc.

PLUNGE CENTRE TIP Z2+1

The special carbide-tipped cutting edge guarantees long-lasting performance compared to traditional bits.





Drawing is 1:1 scale

174

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**
32	20	70	10	**174.320.11**

• **HWM**

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**

912

D mm	I mm	L mm		ORDER NO. S=Ø12mm
12	70	110	10	**912.623.11**

WARNING! Long cutting edges! Carefully make several shallow passes to prevent damaging the tool. The CMT warranty does not cover improper use of the tool.

PLUNGE CENTRE TIP Z2+1

The special carbide-tipped cutting edge guarantees long-lasting performance compared to traditional bits.





Z3 for Nesting

7/8/912

HWM HW Z2 Z3 RH

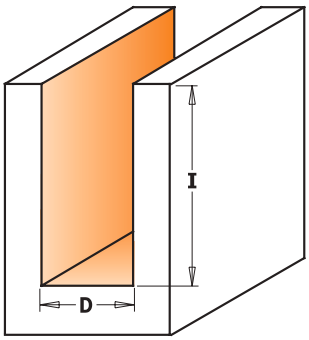
SAFETY PRECAUTIONS: never use damaged or worn bits. Always work at the recommended proper feed rate without forcing the bit. Pay particular attention when making the initial cut with a small diameter bit. For best results when working with small diameter bits, make the cut in more than one pass.

The sharpened cutting edge is perfect for short plunging operations





BULK PACK 10 PCS.

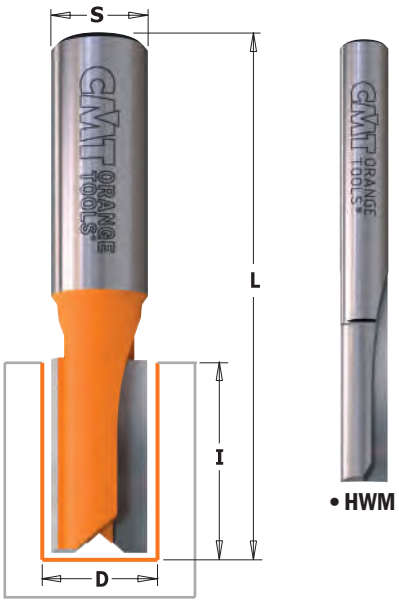


Drawing is 1:1 scale

• HWM

D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø10mm	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	
12.7	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	
BULK PACK 10 PCS.									
6.35	25.4	60			812.064.11-X10				
12.7	50.8	108							812.628.11-X10
FOR INDUSTRIAL NESTING APPLICATION [Z3] - DLCS CHROME LONG-LIFE COATING									
• 6	21	73	10					912.561.11	
• 6	26	73	10					912.560.11	
• 6.35	26	73	10						812.564.11
• 8	21	73	10					912.582.11	
• 8	28.7	76	10					912.581.11	812.581.11
• 8	32	76	10					912.583.11	
• 10	21	75	10				912.610.11		
• 10	32	75	10				912.611.11		

CMT ORANGE TOOLS®



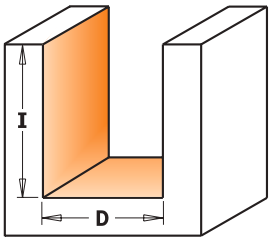
7/8/911

HWM HW Z1 Z2 RH

If you are looking to get the most out of your time and money through more efficient production, but want nothing This double edged cutter is made of special FATIGUE-PROOF® steel and micrograin carbide to withstand even the heaviest of workloads. The surface 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.
You can also count on exceptional swarf removal to allow cleaner and more constant cutting. CMT bits are perfect for industrial scale production using a variety of materials such as plywood, composites and natural woods.

The sharpened cutting edge is perfect for short plunging operations.

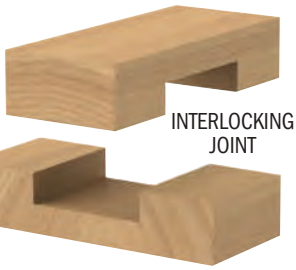




Drawing is 1:1 scale



BISCUIT JOINT
7/8/911.040.11



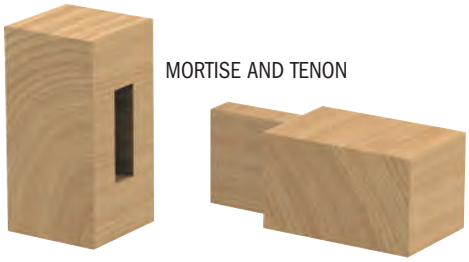
INTERLOCKING JOINT



RIGHT-ANGLE JOINT



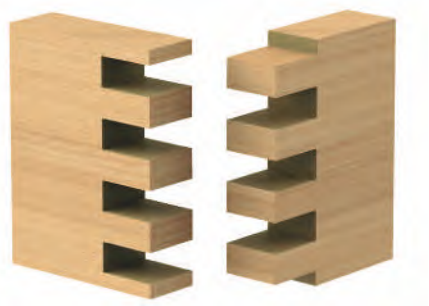
TONGUE AND GROOVE JOINT



MORTISE AND TENON



RABBET



FINGER JOINT

Plywood Groove Set



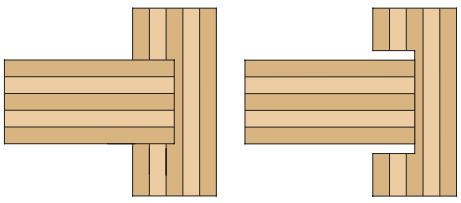
811

HWM HW Z2 RH

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.



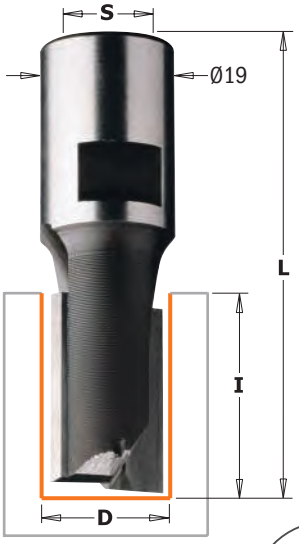
This joint is made with a regular 12.7mm straight bit for 12.7mm plywood. Notice the extra space and poor joint fit.

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**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

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	50.8	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	76.2	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				
new 17	20	52	10			911.170.11		
18	20	52	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

• **HWM**
* **Z1**





170 - 171 - 180 - 181

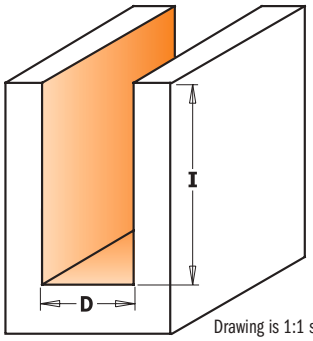
HW Z2+1 RH

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 ■	
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	
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	

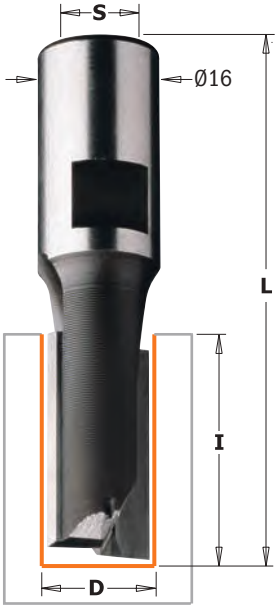
■ *While supplies last*

TECHNICAL DETAILS:
- Strength steel.
- 2 HW alternating precision ground cutting edges [Z2+1].

APPLICATION: ideal for groovework in solid wood, wood composites and laminates.
Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.



Drawing is 1:1 scale





173 - 182

HW Z2+1 RH

D mm	I mm	L mm		ORDER NO. S=M10x1,5	
6	14	50	1	173.060.11	
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	

TECHNICAL DETAILS:
- Strength steel.
- 2 HW alternating precision ground cutting edges [Z2+1].

Z2 - Solid Carbide UPCUT Spiral Bits for Aluminium and PVC



186

MIRROR FINISH | HWM | Z2 | RH | UP

D mm	I mm	L mm	S mm		ORDER NO. Rotazione Destra
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**

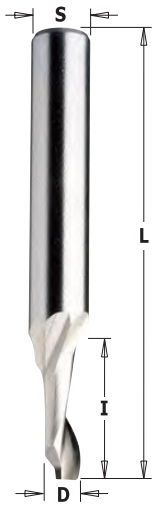
* with seat for seeger retention ring (not included)

*Download working parameters for **186** bits*

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- Extra-fine finish.
- Upward chip ejection.

APPLICATION: used for **plunging, routing and trimming** on plastic 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.

Z1 - Spiral Bits POSITIVE for Aluminium and PVC

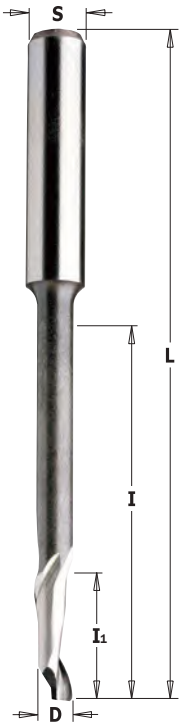


188 5% CO HSS SPIRAL BITS

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 HSS SPIRAL BITS FOR HIGH CUTTING DEPTH

HSS | Z1 | RH

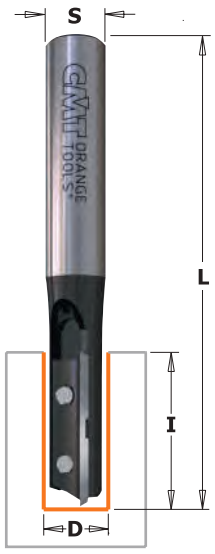
D mm	I mm	I_1 mm	L mm	S mm		ORDER NO.
4	45	16	90	8	1	**189.040.51**
5	35	18	80	8	50	**189.050.51**
5	35	14	120	8	1	**189.051.51**
5	55	16	90	8	1	**189.052.51**
6	45	16	90	8	1	**189.060.51**
8	68	14	100	8	1	**189.080.51**
8	55	14	80	8	50	**189.081.51**
10	95	14	120	10	1	**189.100.51**
10	70	30	100	10	1	**189.101.51**

***Suggested* MAX RPM 12.000**

TECHNICAL DETAILS:
- 5% Co premium solid HSS.
- 1 upcut spiral cutting edge.
- Upward chip ejection.

APPLICATION: for **plunging, routing and trimming** aluminium profiles, plastics with superb efficiency and high feed speed. Can be used on machining centres, **aluminium copy routers, CNC and hand-held routers equipped with chucks or adaptors.**

CMT ORANGE TOOLS®



651 - 652

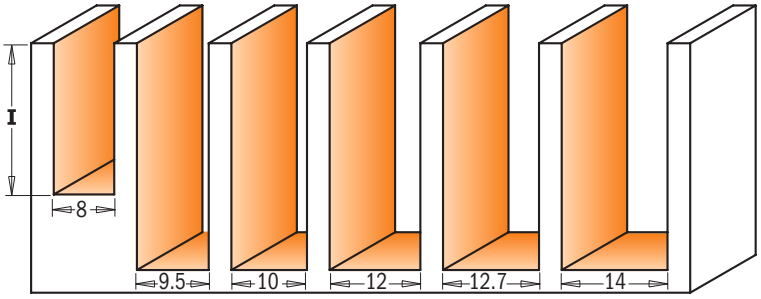
INSERT CARBIDE Z1 RH 2X CUTTING

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.

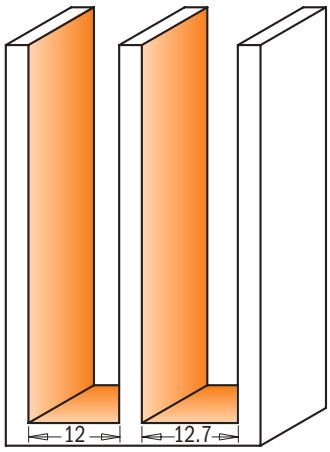
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



Drawing is 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
8	20	60	10	651.079.11			
8	20	60	10		651.080.11		
8	20	67	10			651.081.11	
10	30	70	10		651.100.11		
10	30	80	10			651.101.11	651.701.11
12	30	70	10		651.120.11		
12	30	80	10			651.121.11	651.721.11
12	50	103	10			652.121.11	652.621.11
12.7	30	80	10				651.727.11
12.7	50	103	10				652.628.11
14	30	73	10		651.140.11		

Spare parts

790.200.01	651.999.01	990.070.00	991.074.00
790.200.01	651.999.01	990.070.00	991.074.00
790.200.01	651.999.01	990.070.00	991.074.00
790.300.01	651.999.02	990.071.00	991.063.00
790.300.01	651.999.02	990.071.00	991.063.00
790.300.01	651.999.02	990.071.00	991.063.00
790.300.01	651.999.02	990.071.00	991.063.00
790.500.01	651.999.03	990.016.00	991.060.00
790.300.01	651.999.02	990.071.00	991.063.00
790.500.01	651.999.03	990.016.00	991.060.00
790.300.01	651.999.02	990.071.00	991.063.00

Straight Bits with Insert Knives for Laminates



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INSERT CARBIDE Z1 RH 2X CUTTING

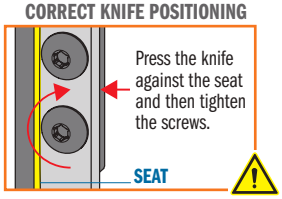
Straight trimmer bits with one replaceable knife fixed by a TORX® screw. A smart economical solution best suited for specialized applications requiring low downtime.
The 29.5x9x1.5mm knives provide a 40mm cutting length by making multiple passes.
For routing trimming and grooving on board materials (laminated chipboard, worktop panels and MDF).
For use on portable routers.

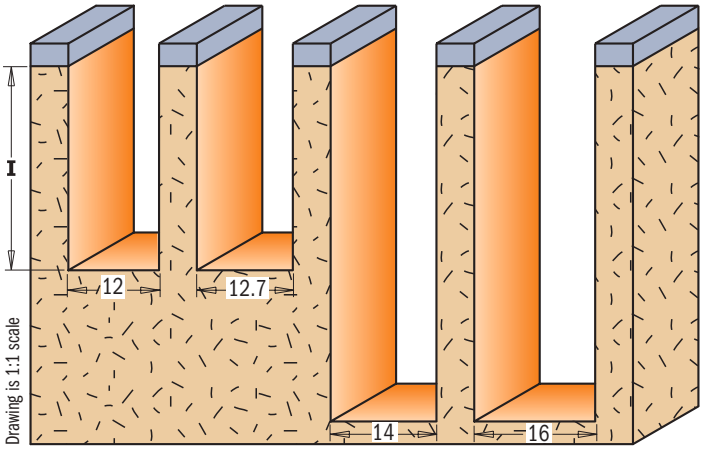
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

CORRECT KNIFE POSITIONING





D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12	29.5	79	10	652.120.11		
12	39.5	90	10	652.122.11		
12.7	29.5	89	10			652.627.11
14	50	96	10		652.141.11	
16	50	96	10		652.161.11	

Spare parts

790.295.09	990.072.00	991.061.00
790.395.09	990.072.00	991.061.00
790.295.09	990.072.00	991.061.00
790.500.09	990.072.00	991.061.00
790.500.09	990.072.00	991.061.00

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

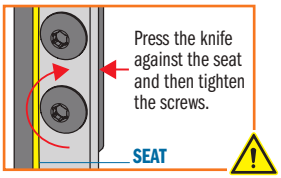


653

INSERT CARBIDE · MEC · Z1+1 · RH · 2X CUTTING

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.

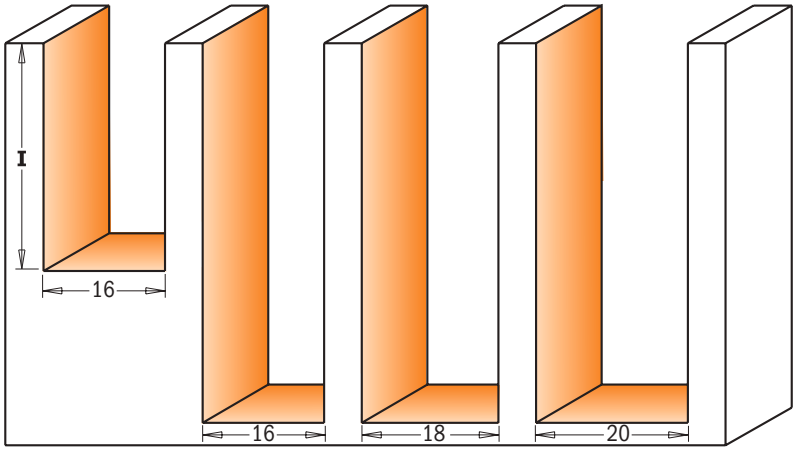
CORRECT KNIFE POSITIONING



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



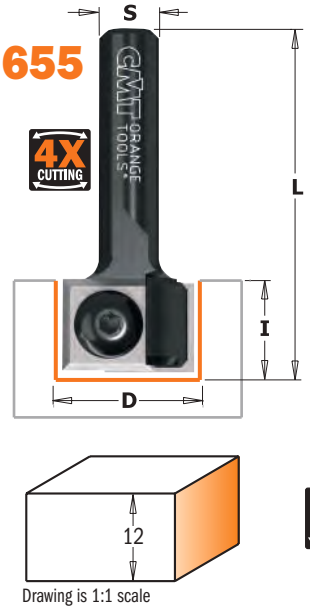
Drawing is 1:1 scale

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**	
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
790.283.12	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 Bits with Insert Knives



Drawing is 1:1 scale

655

4X CUTTING

654

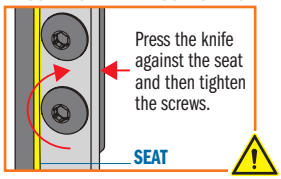
2X CUTTING

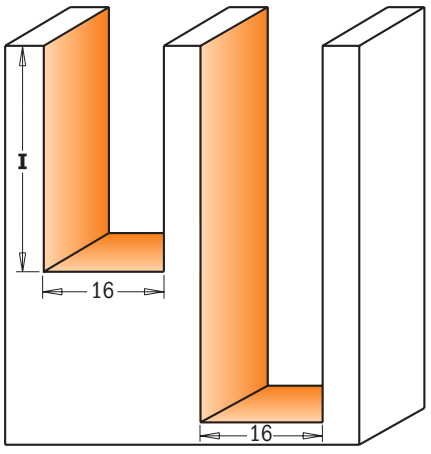


For finishing, routing, plunging and grooving on board materials (laminated chipboards and MDF) and hardwood. For use on portable routers, **point to point,** or CNC centres.

INSERT CARBIDE · MEC · Z2 · RH

CORRECT KNIFE POSITIONING





Drawing is 1:1 scale

SAFETY TIPS



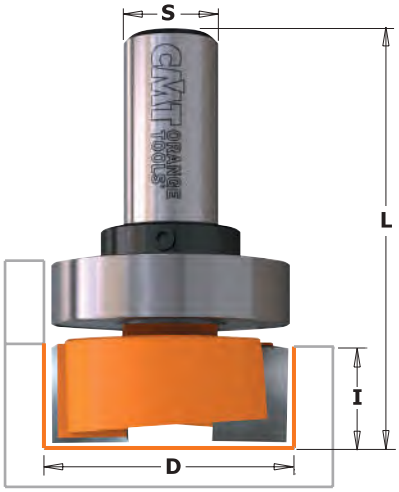
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø20mm
16	28.3	76	10	**654.160.11**		
16	28.3	87	10		**654.161.11**	
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

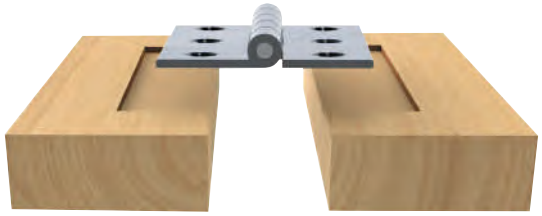
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7/8/901B

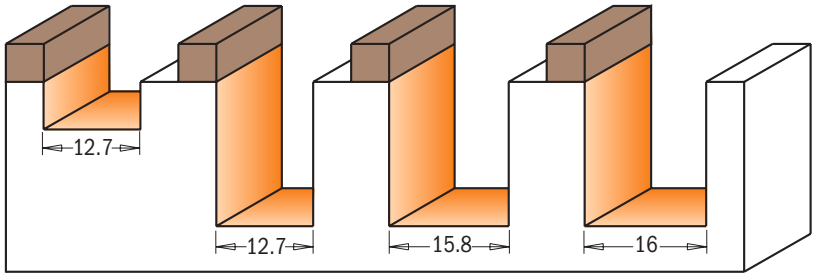
HW Z2 RH

Perfectly mortised hinges are the sign of a true artisan. These bits equipped with thick Tungsten carbide tips and negative shear angle design, 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.



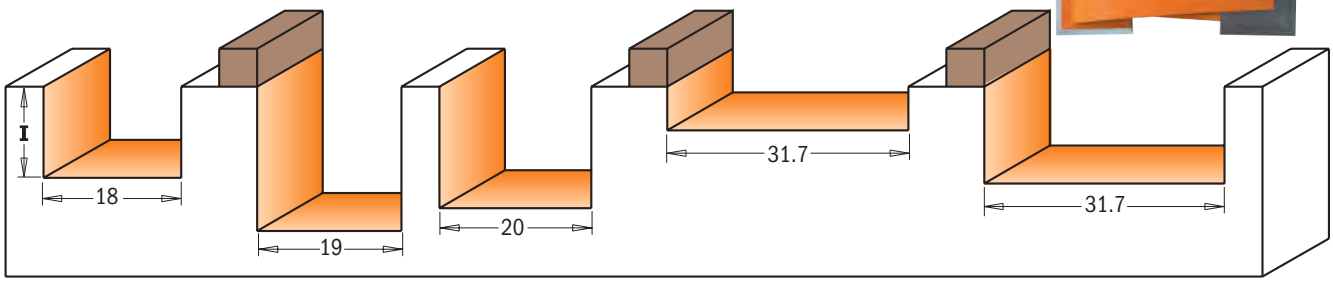
The CMT mortising bit is an essential tool for traditional hinge installation.

7/8/901



Drawing is 1:1 scale



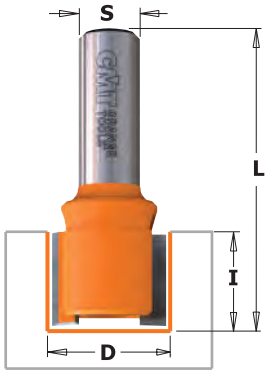


D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12.7	6.35	41	10		**801.128.11**			
12.7	19	54	10	**701.127.11**	**801.127.11**	**901.127.11**		
12.7	19	60	10				**901.627.11**	**801.627.11**
15.8	19	57	10		**801.158.11**			
16	19	54	10	**701.160.11**		**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

Hinge Recesser Bits

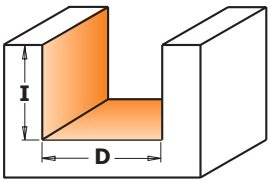


7/902

HW Z2 RH

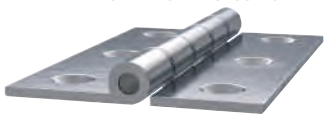
CMT hinge recesser bits are ideal for shallow lateral routing cuts such as recessing hinges.

SHOP TIPS: corners will require final square with a hand or a corner chisel.



Drawing is 1:1 scale

IDEAL FOR HINGE RECESSING



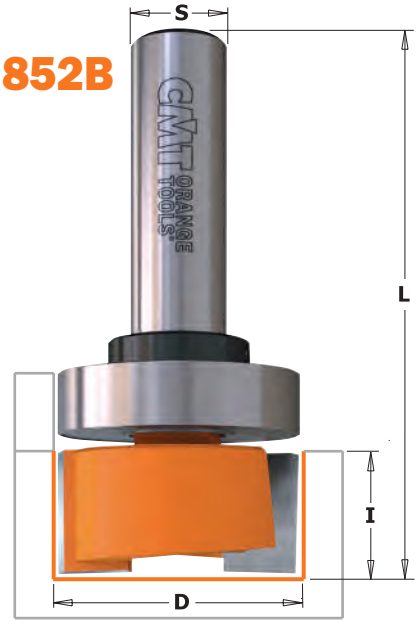
The special design allows for optimal chip clearance and plunging.



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

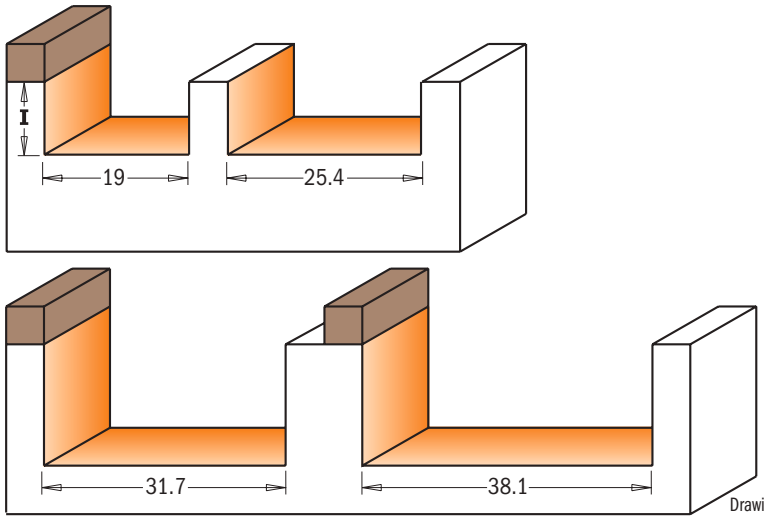


HW Z2 RH

This bit is perfect for smoothing baseboard and rough surfaces. Tungsten carbide tips and downward shear angle provide exceptional performance and quality. This bit can be used to remove paint and enamel residues. Also available with bearing for projects requiring high precision.

852



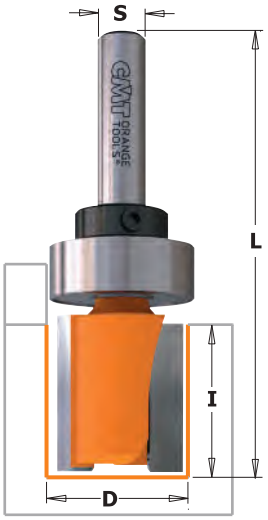


Drawing is 1:1 scale

D mm	I mm	L mm			ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
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	57	10			**952.001.11B**		
19	9.5	63.5	10				**952.501.11B**	**852.501.11B**
31.7	15.8	70	10				**952.503.11B**	**852.503.11B**
38.1	15.8	70	10				**952.504.11B**	**852.504.11B**

Spare parts

791.004.00	541.001.00	991.056.00
791.034.00	541.004.00	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

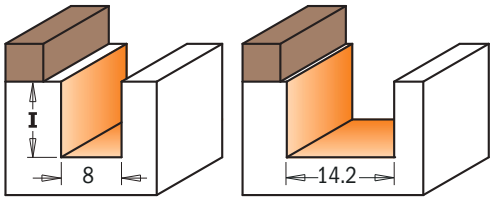


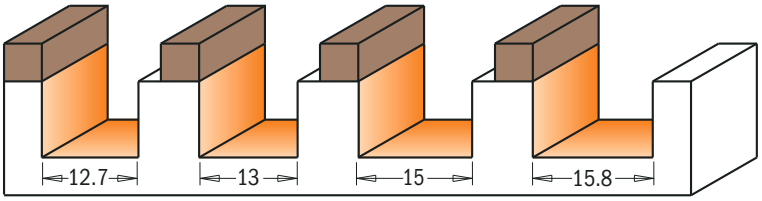
7/8/911B

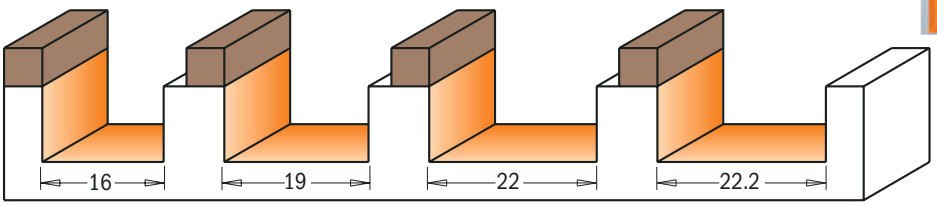
HW Z2 RH

These double-fluted bits paired with the template of your choice will produce distinctive cabinets, furniture pieces, signs, toys and personalize a variety of creative projects.

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.







Drawing is 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

•**HWM**

Item with larger diameter bearing

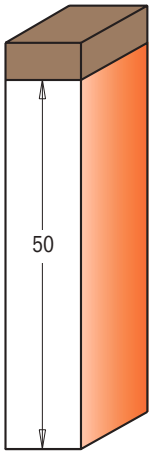
***Ø9.5mm shanks with Ø9.5/12.7mm bushings (799.001.00)**



652B

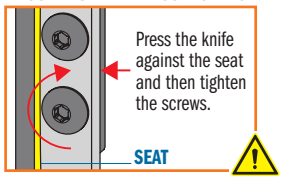
INSERT CARBIDE | Z1 | Z2 | RH | 2X CUTTING

Straight router bits with a replaceable knife fixed by a TORX® screw. An economical solution for specialized applications requiring low downtime.
Cut up to 40mm in depth by carrying out several passes. Equipped with top bearing for template use.
For routing, trimming and grooving in board materials (laminated chipboards, MDF) and hardwood.
For use on portable routers.



Drawing is 1:1 scale

CORRECT KNIFE POSITIONING



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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**
28	50	100	2	10	**652.786.11B**	
28.6	50	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
790.503.00*	990.076.00	991.061.00	791.026.00	541.005.00	991.056.00
790.503.00*	990.076.00	991.061.00	791.027.00	541.002.00	991.056.00

* 3 BORE

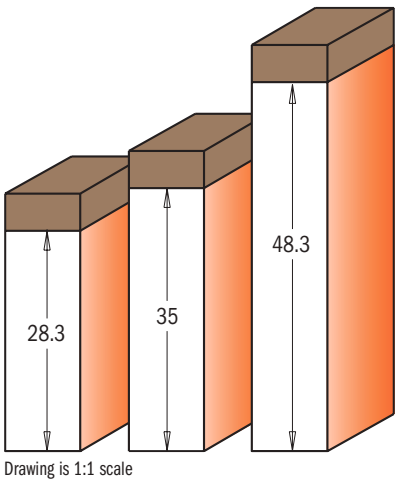
Pattern Bits with Insert Knives for Laminates



656

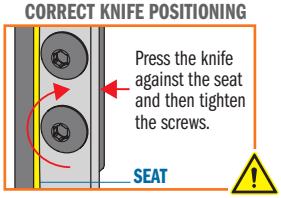
INSERT CARBIDE | Z2 | RH | 2X CUTTING

Straight router bits with a replaceable knife fixed by a TORX® screw. The top knife features a 3° sharpened angle for plunge and high precision cuts. 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.



Drawing is 1:1 scale

CORRECT KNIFE POSITIONING



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Weatherseal Bits



191.635



712.030
712.040
812.032

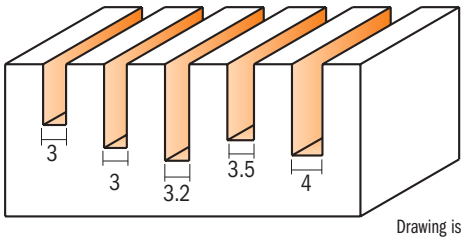


711.031

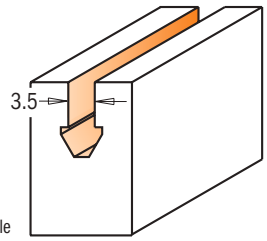
Make your house more energy efficient by insulating old doors and windows. The CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid tungsten carbide for strength and endurance, these bits reach up to 12mm in depth without the risk of breakage.

HWM Z2 RH

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.



Drawing is 1:1 scale



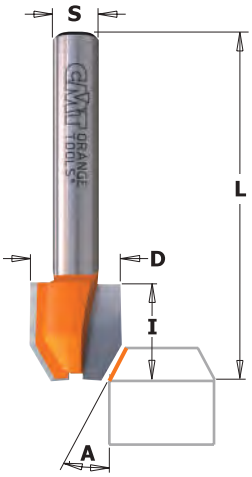


7/813.001

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

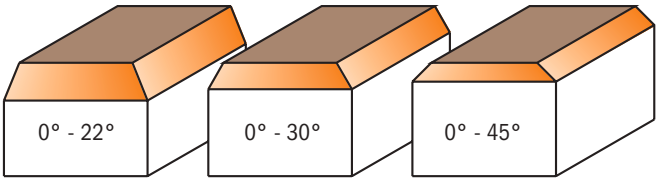


7/8/921

HW Z2 α RH

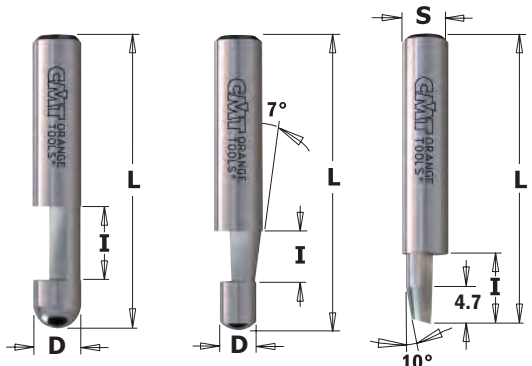
Work to your highest standards with the CMT combination trimmer bits. Now you can cut, trim and bevel all laminates without having to change the bit. Achieve great results when making straight or angled cuts on both soft and hardwood. Three popular sizes, each with carbide-tipped cutting edges for efficient bevel and straight trimming.

NOTICE: to be used with an edge, separate guide or fence.



Drawing is 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

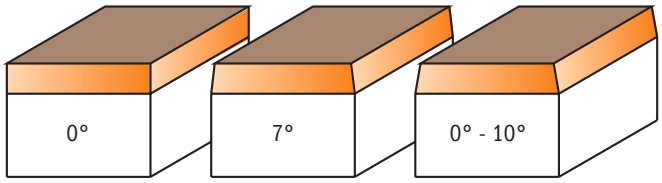
843.064

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 (7° or combined 0°-10°).

NOTICE: to be used with an edge, separate guide or fence.



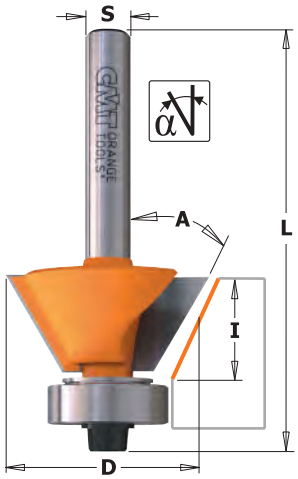
Drawing is 1:1 scale

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	
BULK PACK 50 PCS.							
0°	6.35	9.5	38			842.095.11-X50	
7°	4.76 - 6.35	6.35	38			843.063.11-X50	



BULK PACK 50 PCS.

Combination Trimmer Bits



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 a variety of superb precision finishing on laminates with ease without even changing the bit.
Simply lower the bit cutting depth for precise right angle cuts or raise to 25° to create rounded edges. Suitable for both soft and hardwood. 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: after resharpening, replace bearing **791.002.11** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)



7/907.210

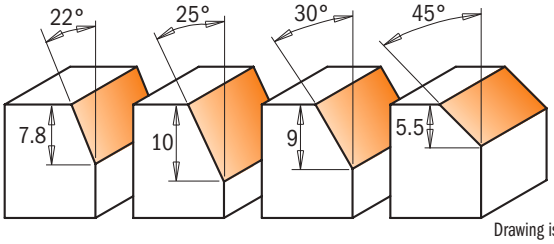
NON BLOCKING

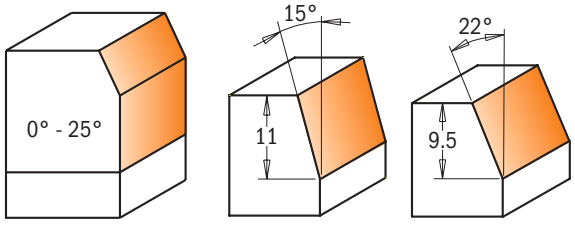


7/809.016



809.023
Z3



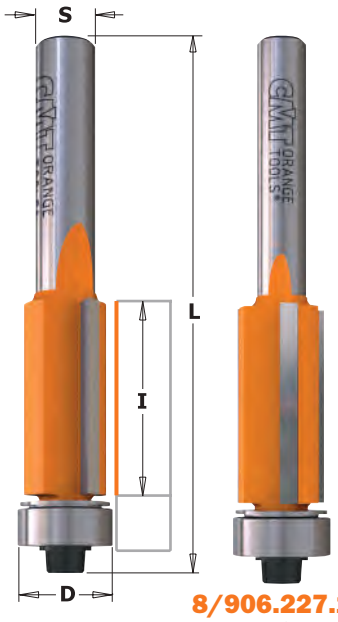


Drawing is 1:1 scale

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



7/8/906

HWM HW Z2 Z3 RH

These truly indispensable bits were designed in a wide range of sizes for your woodworking needs as well as your most difficult projects. For precision work on laminates or quick template work with excellent finishing.

SHOP TIPS: these bits are excellent for making clean through-mortises. Use a straight bit Ø13mm (**711.130.11**) to produce a 5mm groove in the area you want to produce the through-mortise. With a drill bit Ø13mm (**517.130.31**) bore a hole through the wood at one end of the groove. Turn the workpiece over to finish the mortise. Use a flush trim bit Ø12mm 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.

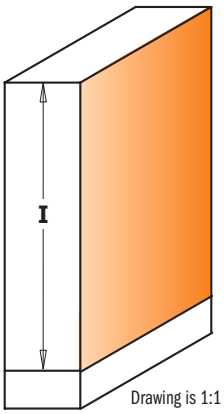
SAFETY TIPS: dust and chips from laminate materials are hazardous to your health and safety. Always wear a dust mask and eye protection when routing.



8/906.227.11
• Z3

BULK PACK 10 PCS.





Drawing is 1:1 scale



• 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
•25.4	6.35	63.5	0°	10	**706.064.11**	**806.064.11**			
12.7	9.5	55.5	0°	10	**706.096.11**	**806.096.11**	**906.096.11**		
12.7	12.7	57.8	-5°	10	**706.128.11**	**806.128.11**	**906.128.11**		
12.7	12.7	70.6	-5°	10				**906.628.11**	**806.628.11**
16	19	57.1	-5°	10	**706.190.11**		**906.190.11**		
25.4	9.5	68.2	0°	10	**706.095.11**	**806.095.11**	**906.095.11**		
25.4	12.7	70.7	-3°	10	**706.127.11**	**806.127.11**	**906.127.11**		
•25.4	12.7	71	0°	10		**806.227.11**	**906.227.11**		
25.4	12.7	86.6	-3°	10				**906.627.11**	**806.627.11**
25.4	19	74.5	-5°	10	**706.191.11**	**806.191.11**	**906.191.11**		
25.4	19	87	-5°	10				**906.691.11**	**806.691.11**
38.1	12.7	94	0°	10				**906.629.11**	**806.629.11**
38.1	19	93.5	-3°	10				**906.692.11**	**806.692.11**
40	12.7	84	0°	10			**906.129.11**		
50.8	12.7	104	0°	10				**906.630.11**	**806.630.11**
50.8	19	110	-3°	10				**906.690.11**	**806.690.11**
*70	19	119	-3°	10				**906.693.11**	
BULK PACK 10 PCS.									
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

Spare parts

	791.035.00	541.009.00	990.113.00
990.422.00	791.002.00		990.058.00
990.423.00	791.003.00		990.058.00
990.423.00	791.003.00		990.058.00
	791.007.00		990.004.00
990.422.00	791.002.00		990.058.00
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
990.425.00	791.004.00	541.550.00	990.058.00
990.425.00	791.004.00	541.550.00	990.058.00
990.423.00	791.003.00		990.058.00
990.425.00	791.004.00	541.550.00	990.058.00
990.423.00	791.003.00		990.058.00
990.423.00	791.003.00		990.058.00
990.425.00	791.004.00	541.550.00	990.058.00
990.425.00	791.004.00	541.550.00	990.058.00

Spare parts: **991.055.00** 0.9mm hex key for screw M2 (990.113.00)
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: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

***WARNING!** Long cutting edge. Carefully make several shallow passes to prevent damaging the tool. The warranty does not cover improper or incorrect use of the tool.



Flush Trim Bit Set

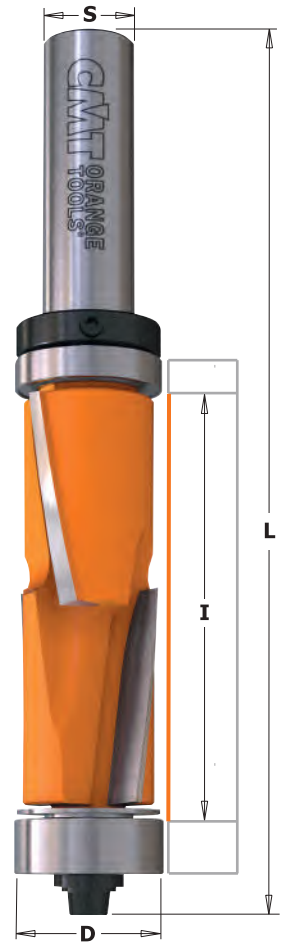
806

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 using just one instrument.

Set contains:
806.095.11 (Ø9.5x25.4mm)
806.096.11 (Ø9.5x12.7mm)
806.191.11 (Ø19x25.4mm)

DESCRIPTION		ORDER NO. S=Ø6.35mm
Flush Trim Bit Set	5	**806.001.11**

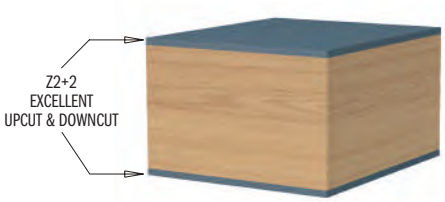


8/906B XTREME

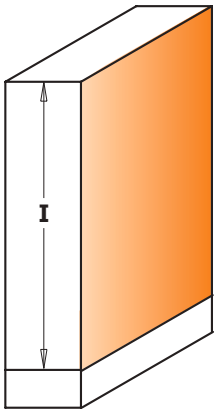
HW | Z2+2 | RH

These new **XTREME** flush trim bits guarantee the best possible finish along with extra-long life thanks to one-of-a-kind spiral technology. 4 cutting edges in high quality carbide are crafted using special brazing techniques as well as unique positive and negative design thus eliminating splintering on the upper and lower sides of the material you're working with.
Ideal for projects involving precious wood, melamine and delicate engineered veneers.

NOTA: use of variable speed routing machines is required.
19mm bits Max RPM 18.000
35mm bits Max RPM 16.000







Drawing is 1:1 scale

I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm
25.4	12.7	80	10	**706.127.41B**		
25.4	12.7	80	10		**806.127.41B**	
25.4	19	86	10		**806.191.41B**	
25.4	19	86	10			**906.191.41B**

Spare parts

990.423.00	791.003.00		990.058.00	791.010.00	541.003.00
990.423.00	791.003.00		990.058.00	791.010.00	541.001.00
990.425.00	791.004.00	541.550.00	990.058.00	791.004.00	541.001.00
990.425.00	791.004.00	541.550.00	990.058.00	791.034.00	541.004.00

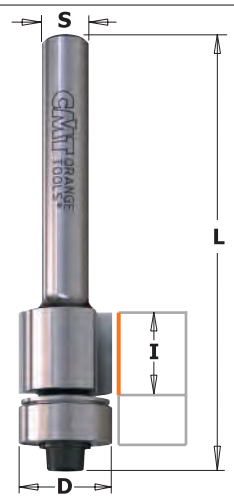
I mm	D mm	L mm			ORDER NO S=Ø12mm	ORDER NO S=Ø12.7mm
50.8	19.05	113	10		**906.690.41B**	**806.690.41B**
50.8	34.9	123	10		**906.880.41B**	**806.880.41B**

Spare parts

990.425.00	791.004.00	541.550.00	990.058.00	791.011.00	541.002.00
990.426.00	791.029.00	541.552.00	990.058.00	791.029.00	541.002.00

Spare parts: **991.056.00** 1.5mm hex key for screw (M3) **991.057.00** 3/32" hex key for screw (990.058.00)

DP - Flush Trim Bits for Laminates - LONG LIFE

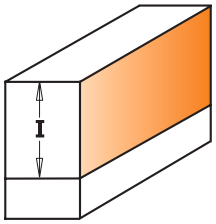


7/8/906 XTREME

PCD DP | 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: **after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing 791.063.00 (Ø12.5mm)**



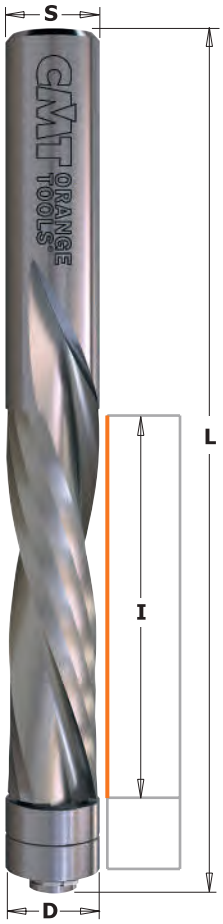
Drawing is 1:1 scale



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**
26	12.7	71	10			**906.127.61**

Spare parts

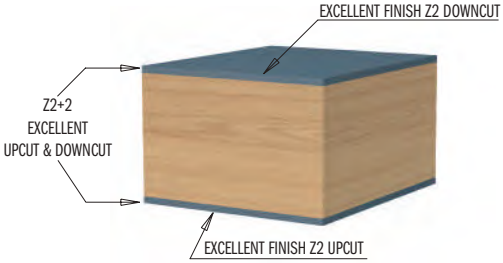
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

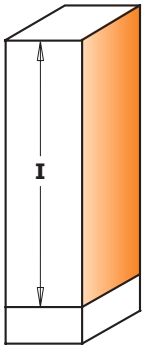


190B - 191B - 192B

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.

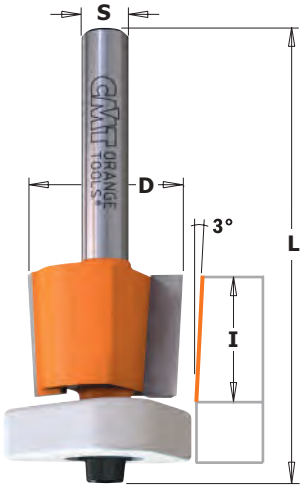




Drawing is 1:1 scale

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										
47.6	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										
25.4	6.35	76.2	10		**192.008.11B**			791.035.00	541.009.00	
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



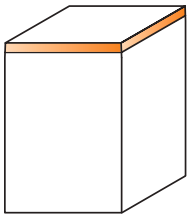
7/8/907

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!

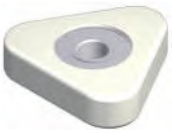

Drawing is 1:1 scale

NON BLOCKING



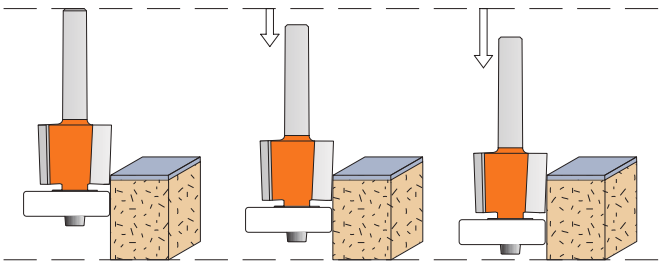
Patent No. D628,218

- Extended guide surface
- Non-freezing
- Non-scratch surface



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
15.88	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
15.88	19	65.7	10				**807.690.11**	990.423.00	791.043.00	990.058.00	991.057.00

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Flush Trim Bits with Insert Knives



657.9

INSERT CARBIDE · Z2 · RH · 2X CUTTING

Specially designed to perform difficult trimming operations, these bits are both indispensable and economical. 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.





657.1

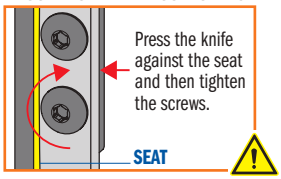


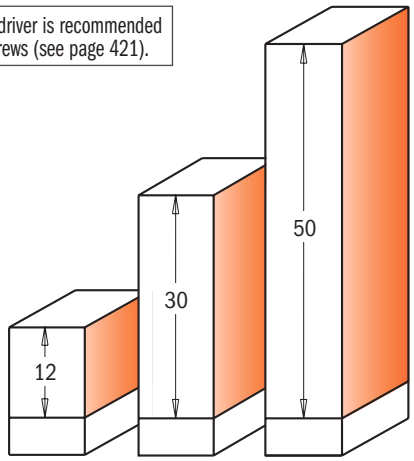
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

CORRECT KNIFE POSITIONING





Drawing is 1:1 scale

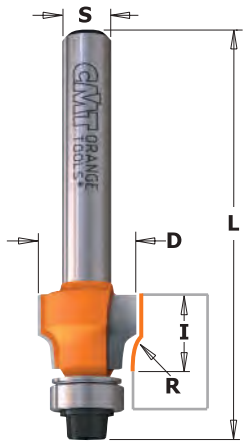
I mm	D mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12	19	57	10	**657.194.11**	**657.192.11**	**657.190.11**		
30	16	75	10			**657.161.11**		
30	19	76	10	**657.195.11**				
30	19	77	10			**657.191.11**		
30	19	87	10					**657.692.11**
50	19	112	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

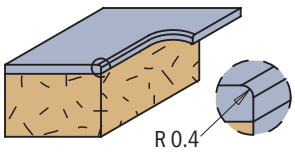


8/907

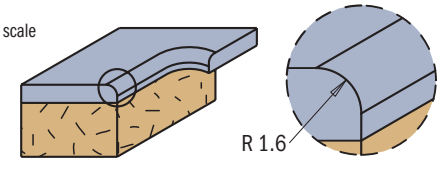
HW · Z2 · RH

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: after resharpening, replace bearing **791.002.00** (Ø9.5mm)
with undersized bearing **791.062.00** (Ø9.3mm)



Drawing is 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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®



657B

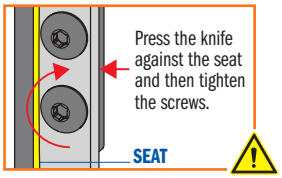
INSERT CARBIDE | Z2 | RH | 2X CUTTING

These bits complete the wide range of CMT Flush Trim bits equipped with a bearing. A larger 19mm diameter and double bearing distinguishes this bit from the others given its increased stability throughout flush and trimming operations. This means completing difficult projects safely, especially when you require a significant amount of swarf removal and an optimal precision finish.





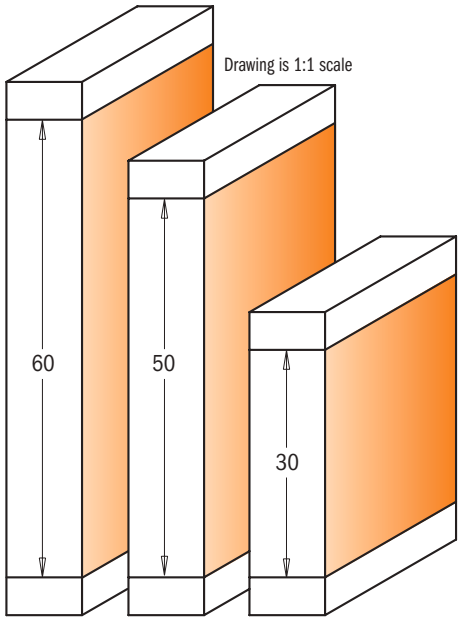
CORRECT KNIFE POSITIONING



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



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



Pattern/Flush Trim Router Bits

806/906B

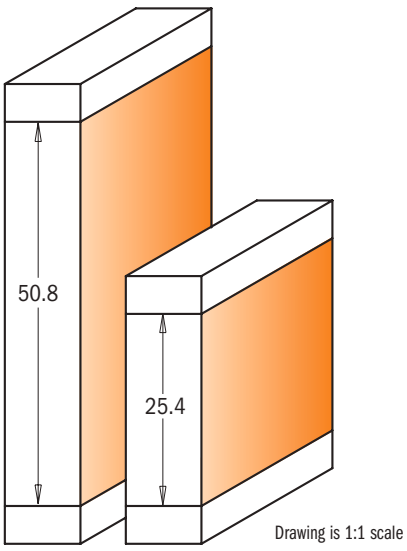
HW | α | Z2 | RH

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.







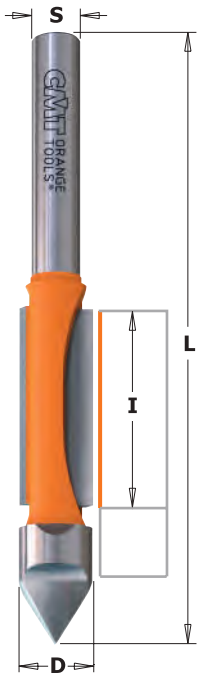
I mm	D mm	L mm	α		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
25.4	19	86.5	-5°	10	**906.691.11B**	
25.4	19	86.5	-5°	10		**806.691.11B**
50.8	19	109.5	-3°	10	**906.690.11B**	
50.8	19	109.5	-3°	10		**806.690.11B**

Spare parts

990.425.00	791.004.00	541.550.00	990.058.00	791.011.00	541.005.00
990.425.00	791.004.00	541.550.00	990.058.00	791.011.00	541.002.00
990.425.00	791.004.00	541.550.00	990.058.00	791.011.00	541.005.00
990.425.00	791.004.00	541.550.00	990.058.00	791.011.00	541.002.00

Spare parts: **991.057.00** 3/32" hex key

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

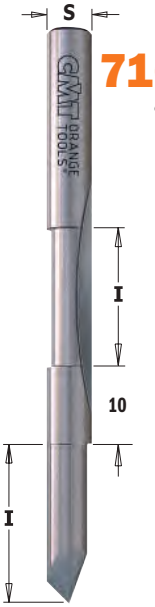


7/8/916

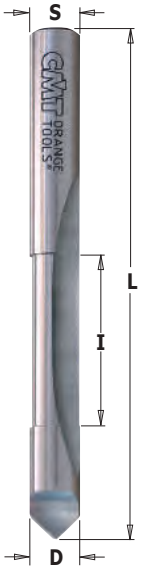
HWM HW Z1 Z1+1 Z2 RH

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 of this bit as well as the 716.061, plunge 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.

SAFETY TIPS: always use extra caution when working near electrical outlets and boxes - always shut off the power. Make sure the bit does not go so deep as to touch or cut the wires.



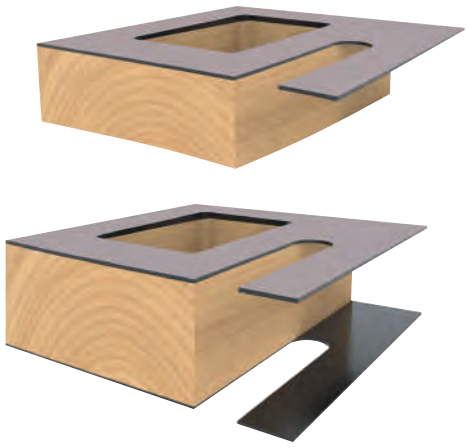
716.061
• HWM



716.060
816.064
• HWM

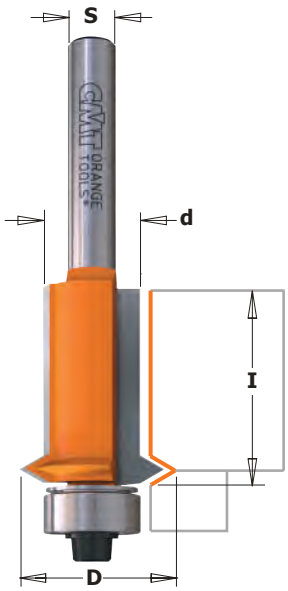


BULK PACK 10 PCS.



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	60	1	10	716.060.11				
•6	18+18	75	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
BULK PACK 10 PCS.									
•6.35	19	64	1			816.064.11-X10			
12.7	31.7	102	2						816.627.11-X10

• HWM



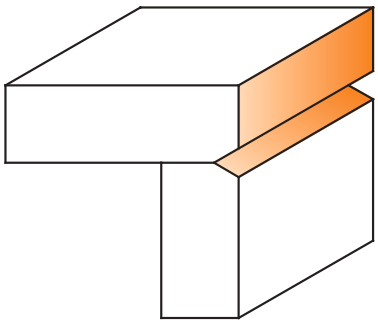
Panel Pilot Bits with Guide

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



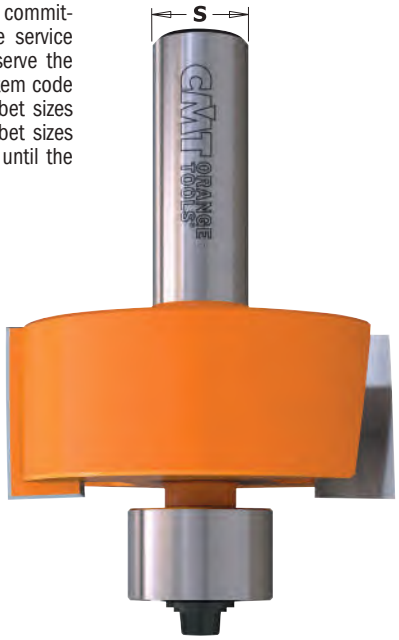


8/935.503

HW | α | Z2 | RH

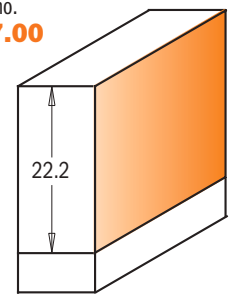
"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will deliver years of reliable service under normal use. For safe and trouble-free results please observe the following instructions and safety precautions. The complete kit (item code **835-935.503.11**), 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.



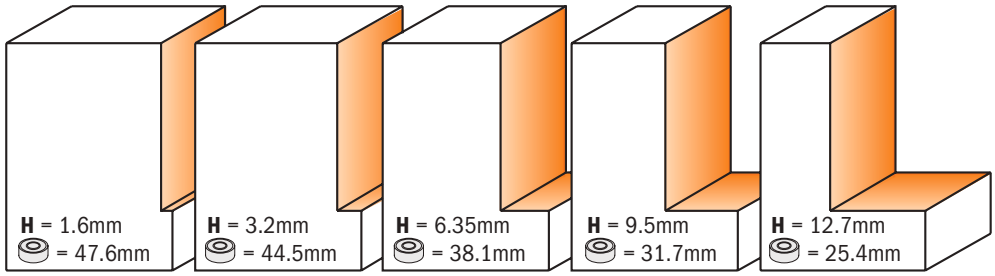


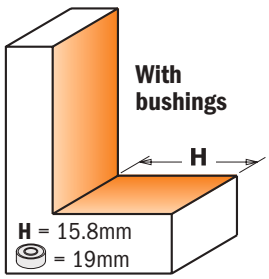
8/935.990

Collar order no.
799.517.00

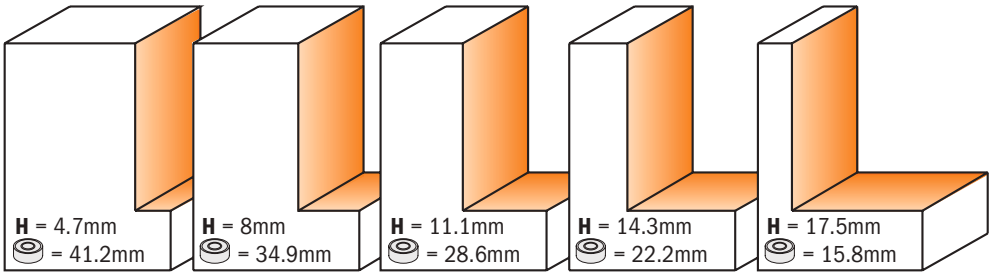


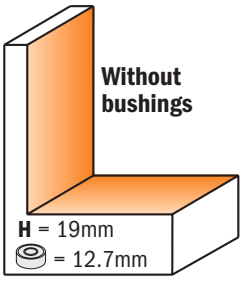
Order no. **791.705.00**



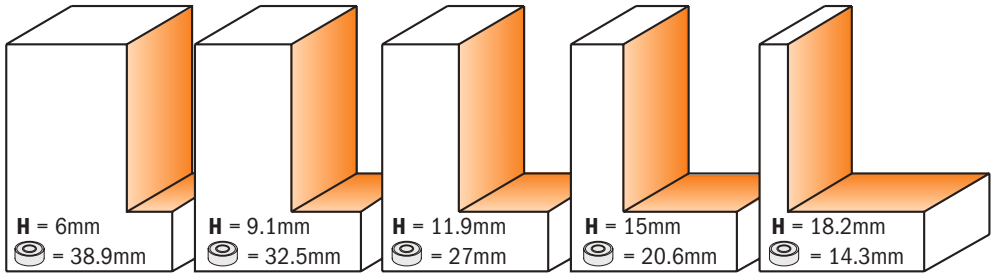


Order no. **791.706.00**





Order no. **791.707.00**



Drawing is 1:1 scale

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**

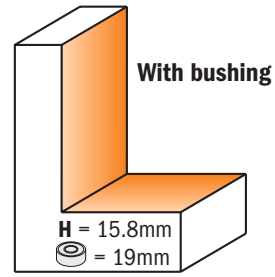
Grand Rabbeting Bits with Insert Knives

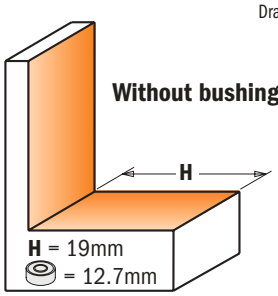


660.9

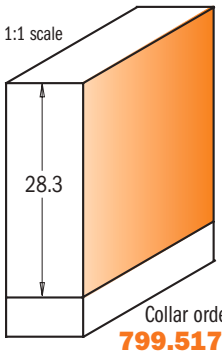
INSERT CARBIDE · Z2 · RH · 2X CUTTING

"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product 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.

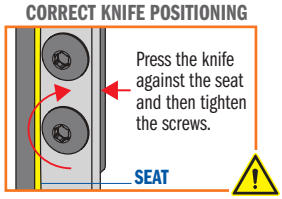




Drawing is 1:1 scale



Collar order no.
799.517.00





SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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)

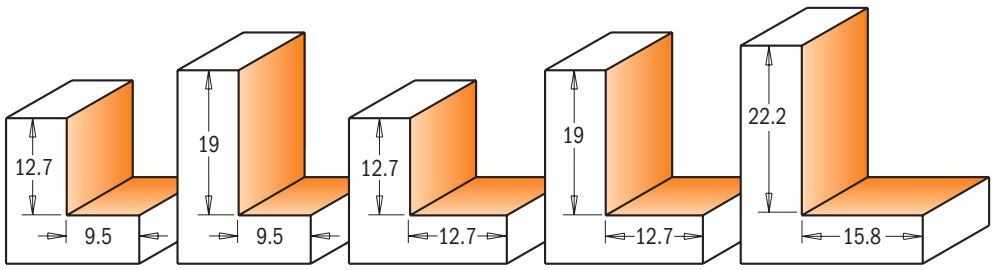
Rabbeting Bits



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. Other possibilities for these tungsten carbide bits are illustrated below and on the following pages.



Drawing is 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**

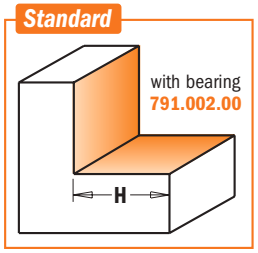
Spare parts

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

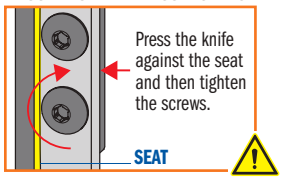
Spare parts: **541.514.00** 2mm spacer (8/935.990.11)
799.503.00 19.05mm bushings
991.057.00 3/32" hex key

Rabbeting Bits with Insert Knives





Drawing is 1:1 scale



660

INSERT CARBIDE · Z2 · Z4 · RH · 4X CUTTING

Rabbeting bits for creating cabinet doors, backsides and drawer fronts. Every bit is equipped with a standard bearing (791.002.00), but other bearings are also available in order to craft a variety of rabbeting widths. For use on chipboard, wood or MDF.

SAFETY TIPS



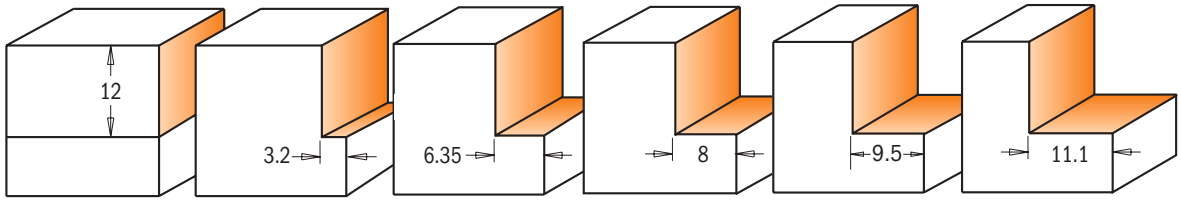
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

791.703.00 *Optional*



With this kit **791.703.00** *you can carry out all cutting depths below.*

Drawing is 1:1 scale



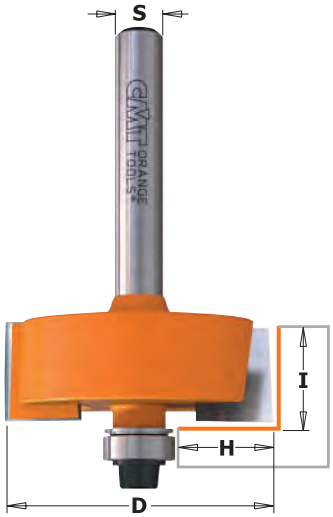
H mm	D mm	Z	I mm	L mm		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12.7	34.9	2	12	55	10	**660.351.11**	**660.350.11**		
12.7	34.9	2	12	65	10				**660.851.11**
22.2	57	4	12	66	5			**660.570.11**	

Spare parts

790.120.00	990.422.00	791.002.00
790.120.00	990.422.00	791.002.00
790.120.03	990.423.00	791.003.00

Spare parts: **990.075.00** M4x6mm TORX® screw · **991.061.00** T15 TORX® key · **990.058.00** 1/8"x3/8"x1/2" TCEI screw · **991.057.00** 3/32" hex key

Rabbeting Sets



7/8/935.001_501_502

HW · α · Z2 · RH

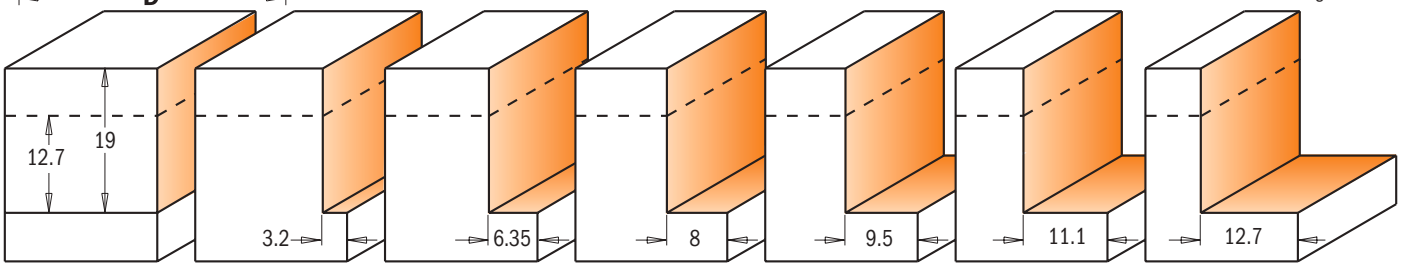
CMT rabbeting sets include one rabbeting bit, 6 interchangeable ball bearing guides, fastening screws, shields and an hex key. In order to change cutting depth, substitute the bearing.

791.703.00 *Standard*



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.

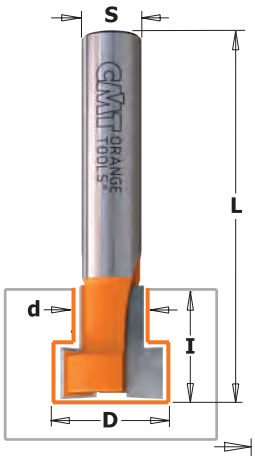
Drawing is 1:1 scale



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 · **990.058.00** 1/8"x3/8"x1/2" TCEI screw · **990.422.00** Ø4.76/Ø9.5mm shield · **991.057.00** 3/32" hex key

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7/8/950.0_5

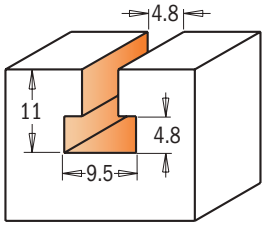
HWM HW Z1 Z2 RH

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, M10, M12 hexagonal head bolt for removable joints.

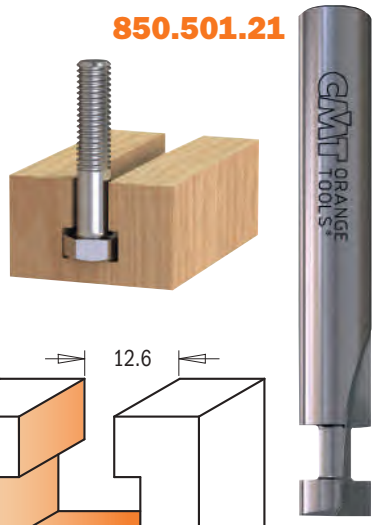
SAFETY TIPS: Be sure the workpiece is securely fastened to the router table or work bench.

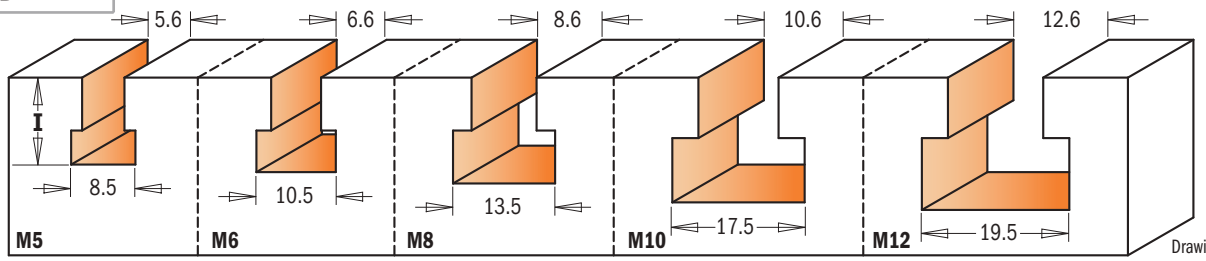
SHOP TIPS: Recommended for use with a plunge router.

850.501.21



Drawing is 1:1 scale



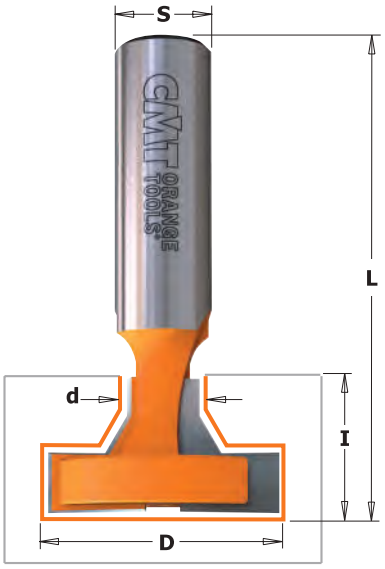


Drawing is 1:1 scale

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=Ø9.5mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
9.5	4.8	11	54	1		10	**750.001.11**	**850.001.11**	**950.001.11**		**950.501.11**	**850.501.11**
•9.5	4.76	11	65	2		10				**850.501.21**		
8.5	5.6	11.5	48	1	M5	10			**950.002.11**			
10.5	6.6	12.5	48	1	M6	10			**950.003.11**			
13.5	8.6	14	48	2	M8	10			**950.004.11**			
17.5	10.6	16.5	48	2	M10	10			**950.005.11**			
19.5	12.6	17.5	48	2	M12	10			**950.006.11**			

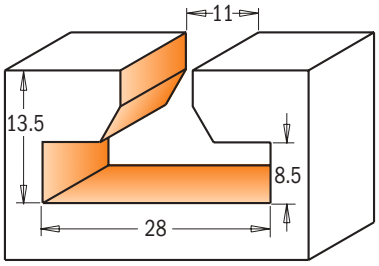
• **HWM**

T-Slot Bits



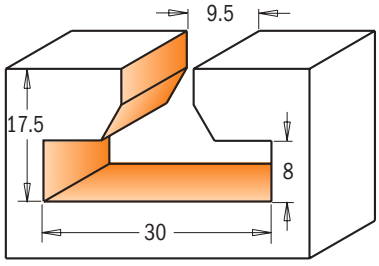
8/950.1_6

HW Z2 Z1+1 RH

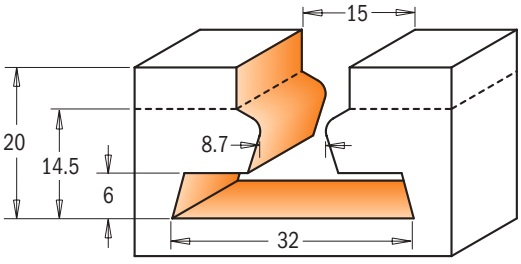


8/950.103 - 603

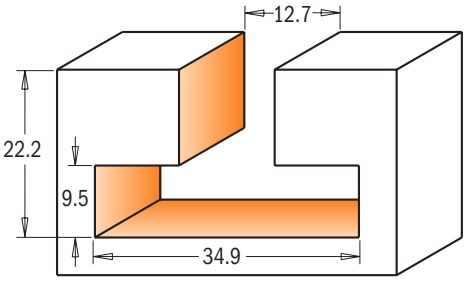
Drawing is 1:1 scale



8/950.101 - 601



950.604



8/950.602

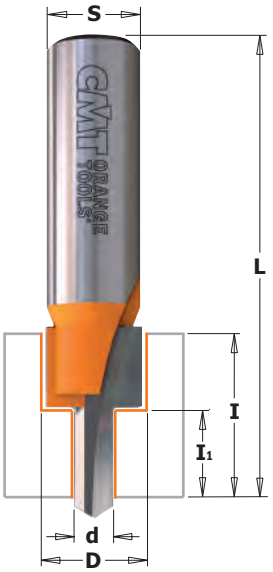
D mm	d mm	I mm	L mm	Z				ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
28	11	13.5	47.6	2	10			**950.103.11**		
28	11	13.5	56.3	2	10				**950.603.11**	**850.603.11**
30	9.5	17.5	50.8	2	10			**950.101.11**		
30	9.5	17.5	60.3	2	10				**950.601.11**	**850.601.11**
32	8.7-15	20	66	1+1	10				**950.604.11**	
34.9	12.7	22.2	63.5	2	10				**950.602.11**	**850.602.11**

HW Z2 RH

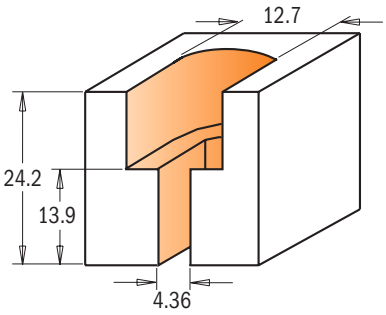
8/913

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.

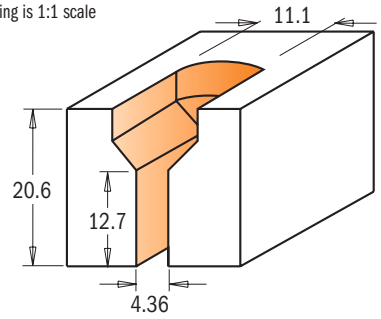
Bits available in 8 and 12.7mm shank; art. **913.201.11** and art. **813.701.11** correspond to countersink screws and art. **913.101.11** and art. **813.601.11** correspond to flat-head screws.



913.101.11
813.601.11

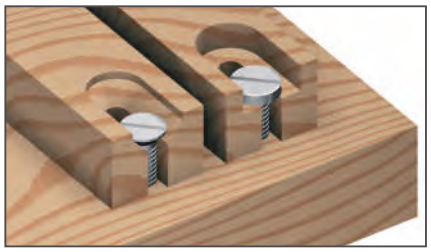


Drawing is 1:1 scale





913.201.11
813.701.11



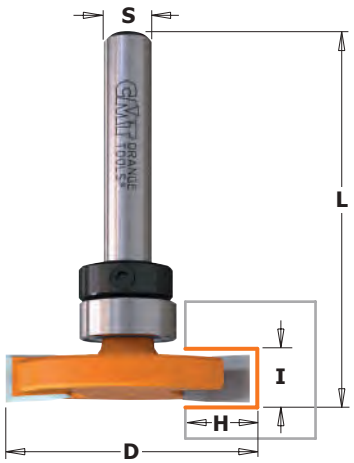
D mm	d mm	l_1 mm	l mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
11.1	4.36	12.7	20.6	63.5	10	**913.201.11**	**813.701.11**
12.7	4.36	13.9	24.2	63.5	10	**913.101.11**	**813.601.11**

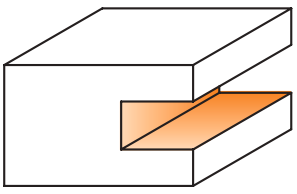
Flooring Bits

HW Z2 RH

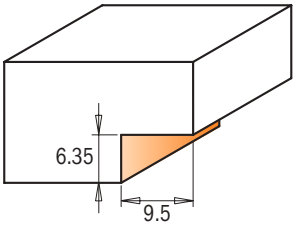
822.023B - 822.024B

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.

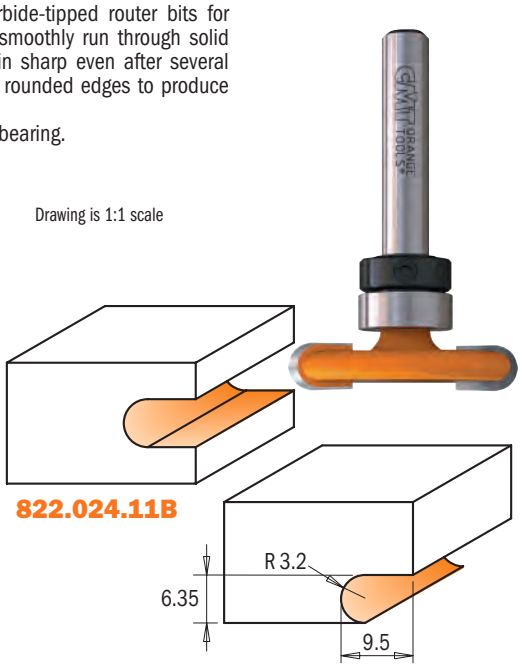




822.023.11B



Drawing is 1:1 scale

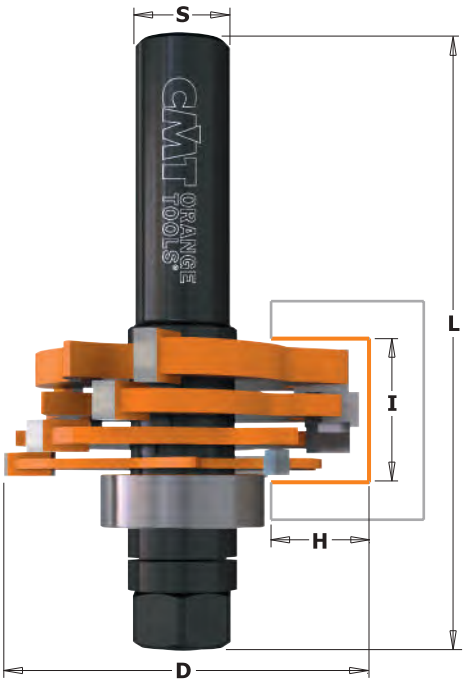


822.024.11B

D mm	l 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



8/900.506

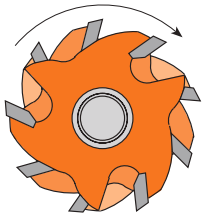
HW Z3 RH

Create slots, grooves and rabbets in materials from 3.2mm to 18mm in depth by using the adjustable CMT 3-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.**

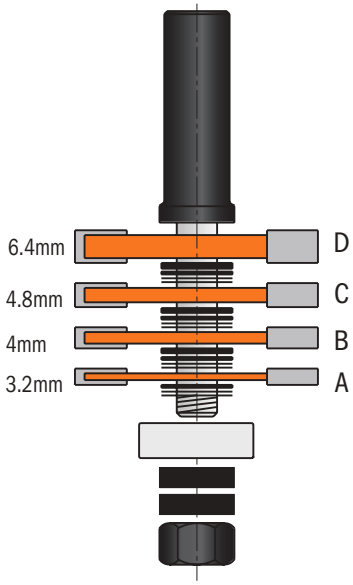
SHOP TIPS: the bearings kit **791.711.00** makes 6.35mm and 9.5mm cutting depths.

NOTE: the carbide edges of the cutters must never touch; arrange the shims as illustrated below. Use only thicknesses provided in the set. Be sure all cutters are assembled in the correct rotational direction. Looking downwards on 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	to	7.1
A + C	7.2	to	7.9
A + D	8.8	to	9.5
B + C	8	to	8.7
B + D	9.6	to	10.3
C + D	10.4	to	11.1
A + B + C	10.4	to	11.8
A + B + D	11.9	to	13.3
A + C + D	12.7	to	14.1
B + C + D	13.5	to	14.9
A + B + C + D	15.9	to	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
3.2-18	47.6	12.8	81	10	**900.506.11**	
3.2-18	47.6	12.8	81	10		**800.506.11**

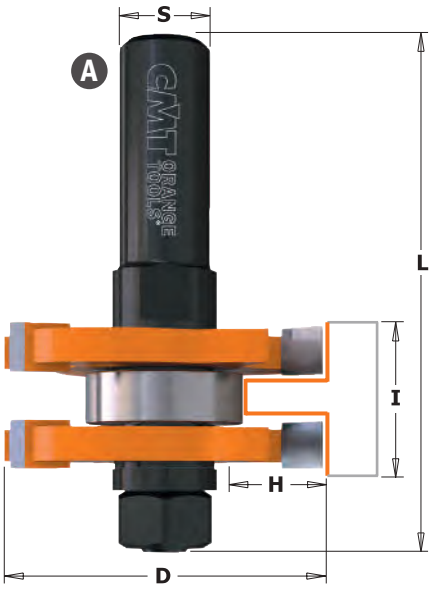
Spare parts

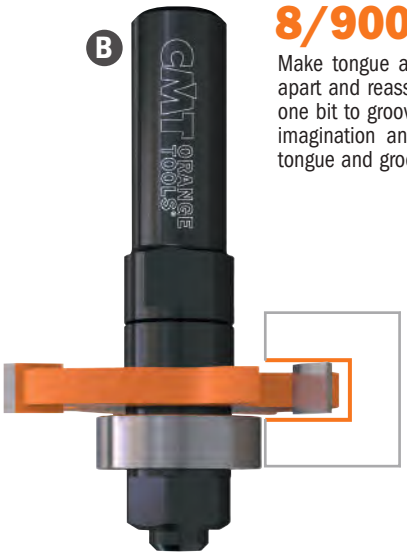
924.128.00	791.005.00	990.020.00
824.128.00	791.005.00	990.020.00

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** 2 pcs. bearing set for depth variations 28.5mm and 34.9mm

Tongue & Groove Set

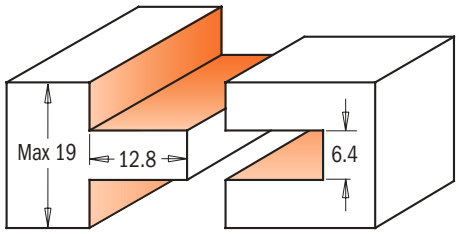




8/900.626

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.



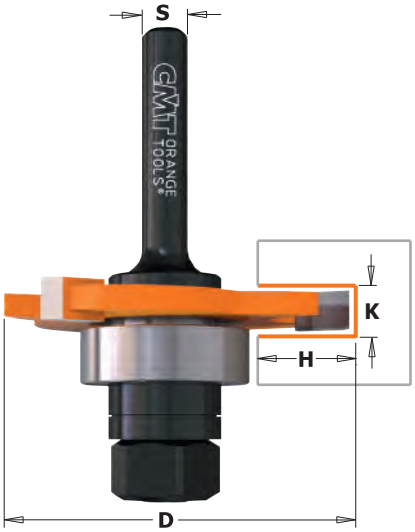
Drawing is 1:1 scale

PROFILE	I mm	D mm	H mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
A+B	19	47.6	12.8	71	5	**900.126.11**		
A+B	19	47.6	12.8	71	5		**900.626.11**	
A+B	19	47.6	12.8	71	5			**800.626.11**
A	19	47.6	12.8	71	10			**800.626.11M**

Spare parts

924.083.00	791.005.00	822.364.11	990.020.00
924.131.00	791.005.00	822.364.11	990.020.00
824.131.00	791.005.00	822.364.11	990.020.00
824.131.00	791.005.00	822.364.11	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

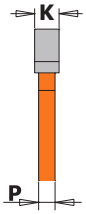


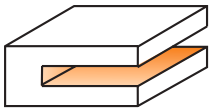
7/8/922A/B

HW Z3 RH

Uses for the CMT 3-Wing Slot Cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints.
Every cutter features 3 tungsten carbide tipped cutting edges, CMT's trademark orange non-stick PTFE coating and boasts an anti-kickback design. 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. Other bearings are available in the spare parts section of this catalogue.

NOTE: For 9.5mm or 6.35mm depths, you can order the bearing kit **791.711.00** (with 28.5mm - 34.9mm diameters).



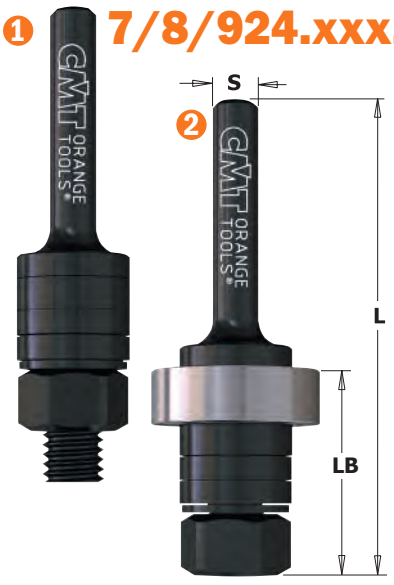

Drawing is 1:1 scale

K 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	1.1	47.6	12.8	10	722.315.11A		922.315.11A	922.315.11B	
1.6	1.1	47.6	12.8	10		822.316.11A			822.316.11B
2	1.3	47.6	12.8	10	722.320.11A	822.320.11A	922.320.11A	922.320.11B	822.320.11B
2.4	1.3	47.6	12.8	10		822.324.11A			822.324.11B
2.5	1.3	47.6	12.8	10	722.325.11A		922.325.11A	922.325.11B	
3	1.3	47.6	12.8	10	722.330.11A		922.330.11A	922.330.11B	
3.2	1.3	47.6	12.8	10		822.332.11A			822.332.11B
3.5	2.1	47.6	12.8	10	722.335.11A		922.335.11A	922.335.11B	
4	2.1	47.6	12.8	10	722.340.11A	822.340.11A	922.340.11A	922.340.11B	822.340.11B
4.8	2.9	47.6	12.8	10		822.348.11A			822.348.11B
5	2.9	47.6	12.8	10	722.350.11A		922.350.11A	922.350.11B	
6	4.5	47.6	12.8	10	722.360.11A	822.360.11A	922.360.11A	922.360.11B	822.360.11B
6.4	4.5	47.6	12.8	10		822.364.11A			822.364.11B

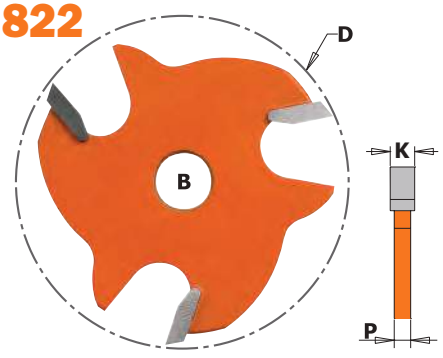
These 3-wing tungsten carbide tipped cutters feature anti-kickback design and CMT's trademark orange PTFE Industrial Coating. All cutters feature an 8mm bore. Use these cutters with cutter arbors **724** (Ø6mm diameter), **824** (Ø6.35mm & Ø12.7mm diameters), and **924** (Ø8mm & Ø12mm diameters).

❶ 7/8/924.xxx.00

❷ 7/8/924.xxx.10



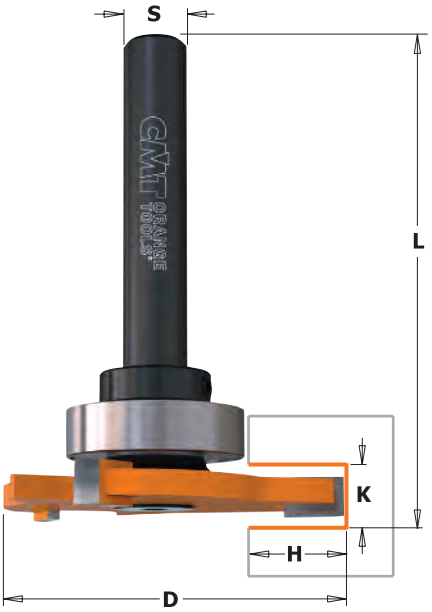
822



K mm	P mm	D mm	B mm		ORDER NO.
1.5	1.1	47.6	8	10	822.315.11
1.6	1.1	47.6	8	10	822.316.11
1.8	1.1	47.6	8	10	822.318.11
2	1.3	47.6	8	10	822.320.11
2.2	1.3	47.6	8	10	822.322.11
2.4	1.3	47.6	8	10	822.324.11
2.5	1.3	47.6	8	10	822.325.11
2.8	1.3	47.6	8	10	822.328.11
3	1.3	47.6	8	10	822.330.11
3.2	1.3	47.6	8	10	822.332.11
3.5	2.1	47.6	8	10	822.335.11
4	2.1	47.6	8	10	822.340.11
4.8	2.9	47.6	8	10	822.348.11
5	2.9	47.6	8	10	822.350.11
6	4.5	47.6	8	10	822.360.11
6.4	4.5	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
❶	Slot cutter arbor without bearing	26	61	10	724.060.00	824.064.00	924.080.00		
❶	Slot cutter arbor **without** bearing	26	67.5	10				924.120.00	824.127.00
❷	Slot cutter arbor with bearing	26	61	10	724.060.10	824.064.10	924.080.10		
❷	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

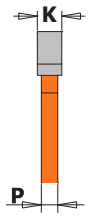


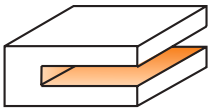
923A - 823B

HW Z3 RH

The uses of this bit are infinite: not only can you rout grooves and rabbets, but you can even create T or dove-tail joints and create biscuit and spline recesses on wood panels. Each bit features three carbide-tipped cutters, orange coloured PTFE coating and anti-kickback design.

NOTE: This cutter comes with a Ø22mm bearing for 2.8mm depth cuts. By ordering different bearings this depth can be shortened.

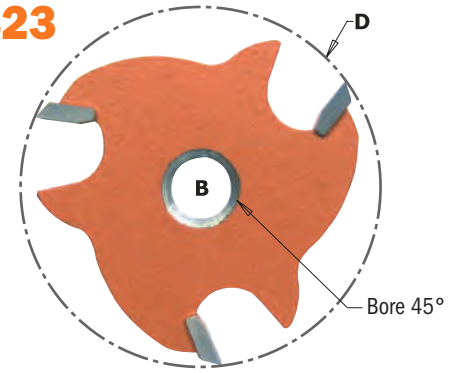




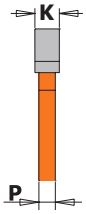
Drawing is 1:1 scale

K mm	P mm	D mm	H mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
3	1.3	47.6	12.8	58	10	**923.330.11A**	
3.2	1.3	47.6	12.8	57.5	10		**823.332.11B**
4	2.1	47.6	12.8	58.3	10	**923.340.11A**	**823.340.11B**
5	2.9	47.6	12.8	63	10	**923.350.11A**	
6.4	4.5	47.6	12.8	60.7	10		**823.364.11B**

823



These 3-wing carbide tipped slot cutters feature anti-kickback design and CMT's trademark orange PTFE Industrial Coating for carrying out lateral grooves.
For use with cutter arbors **724** (Ø6mm), **824** (Ø6.35mm & Ø12.7mm) and **924** (Ø8mm).



K mm	P mm	D mm	B mm		ORDER NO.
3	1.3	47.6	8	10	**823.330.11**
3.2	1.3	47.6	8	10	**823.332.11**
4	2.1	47.6	8	10	**823.340.11**
5	2.9	47.6	8	10	**823.350.11**
6.4	4.5	47.6	8	10	**823.364.11**

7/8/924

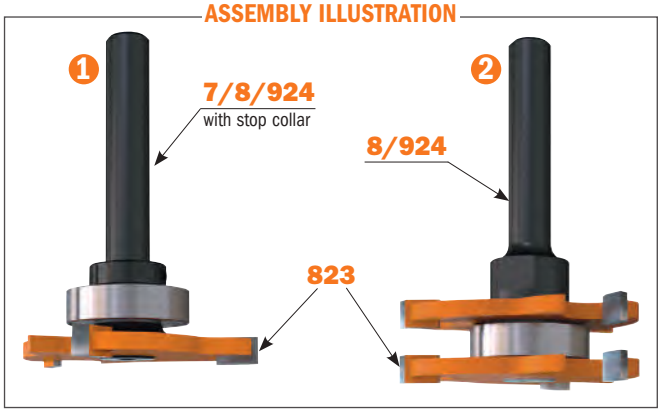


with stop collar

8/924

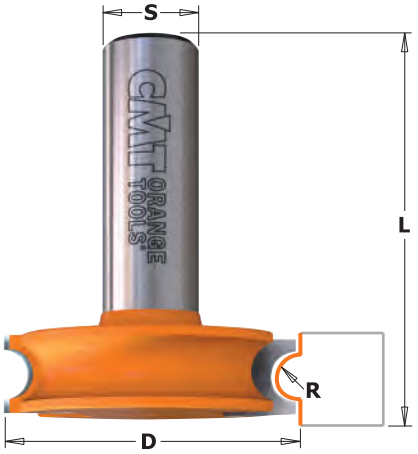


ASSEMBLY ILLUSTRATION



	DESCRIPTION	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm		ORDER NO. S=Ø12.7mm
1	Slot cutter arbor with bearing and stop collar	55	10	**724.061.10**	**824.061.10**	**924.081.10**		**824.121.10**
1	Slot cutter arbor **without** bearing without stop collar	55	10	**724.061.00**	**824.061.00**	**924.081.00**		**824.121.00**
2	Slot cutter arbor with bearing	61	10			**924.082.10**		**824.122.10**
2	Slot cutter arbor **without** bearing	61	10			**924.082.00**		**824.122.00**

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

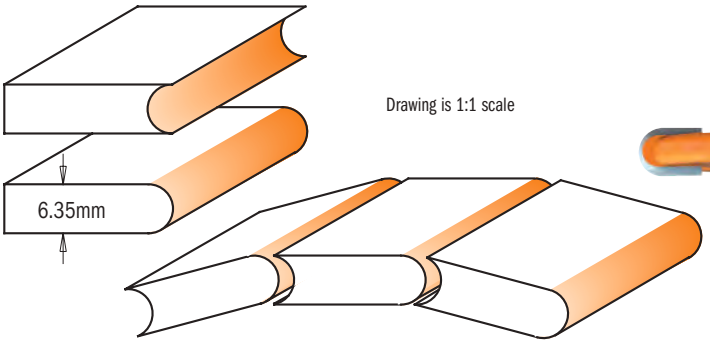


8/955.701

HW Z2 RH

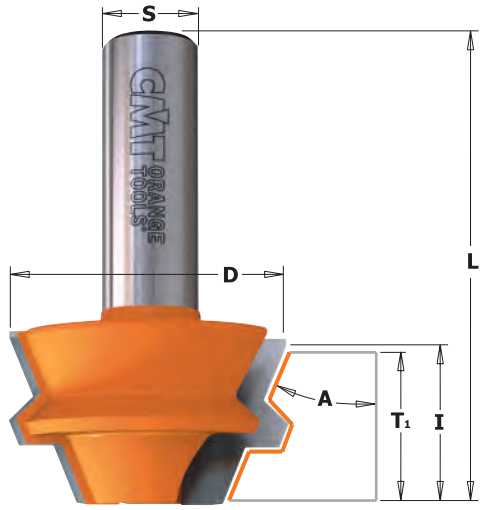
This perfectly mated CMT set is ideal for making wooden canoe slats and hot tub enclosures. The cutting edges in tungsten carbide stay sharp even after cutting large amounts of stock. The anti-kickback design ensures that you work safely. Use both the flute and the bead bits for 6.35mm (1/4") slats as shown below.





Drawing is 1:1 scale

R mm	D mm	L mm	L1 mm					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
3.2	38	48.1	44.5	5				955.701.11	855.701.11

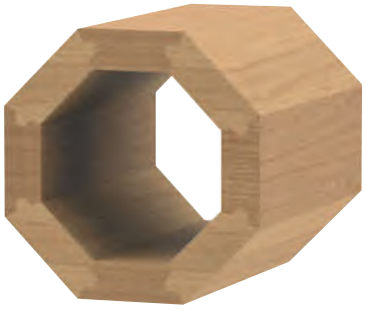


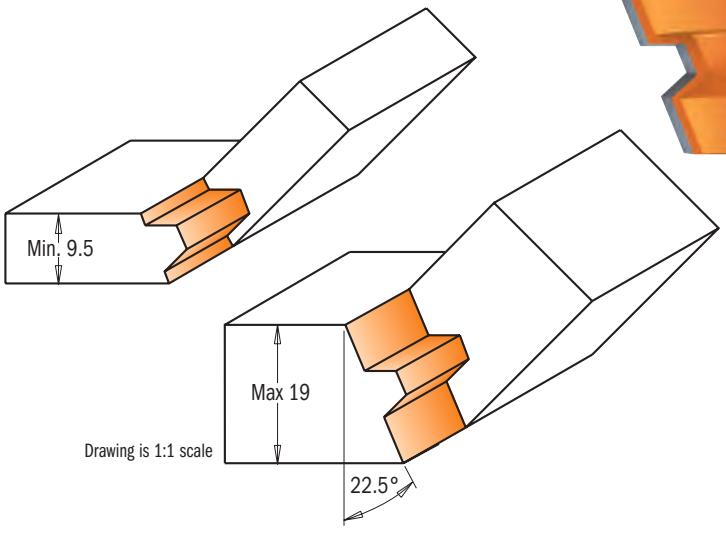
8/955

HW Z2 RH

Use this pair of bits to produce octagonal shaped boxes and popular corner cabinetry for kitchens, kitchen islands, entertainment centres and corner hutches.
This 22.5° Lock Miter set provides a strong tight joint even at 45°angles.
After the joints are machined, they can be glued and assembled or simply clamped by using strapping tape.

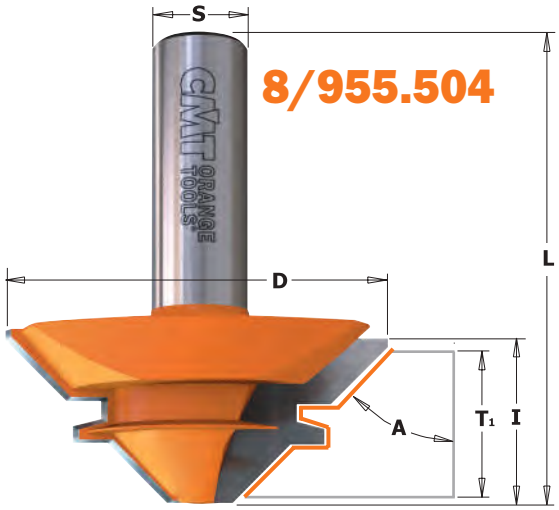






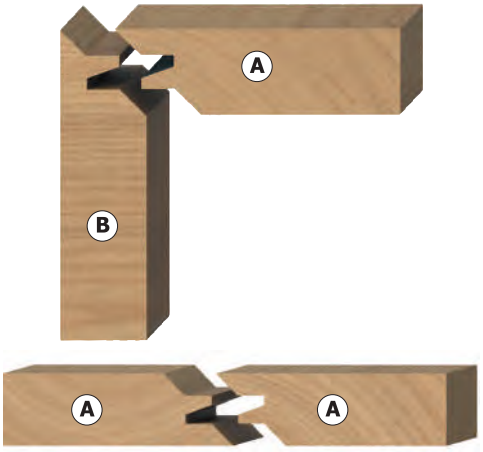
Drawing is 1:1 scale

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

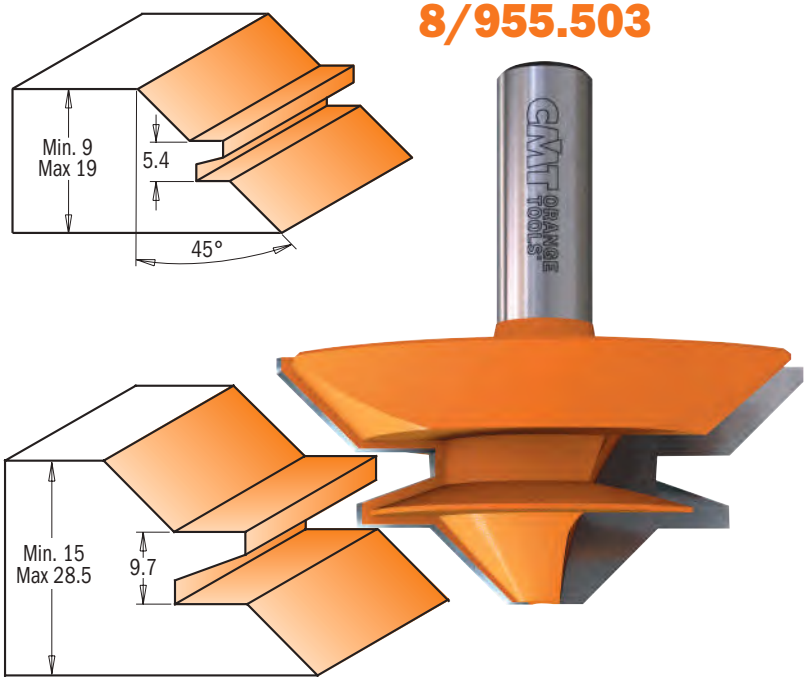


HW Z2 RH

These are the ultimate bits to craft sturdy miter joints thanks to anti-kickback design and tough tungsten carbide cutting edges.
By adding a second smaller bit, you can mill anywhere from 9.5mm to 28.5mm in thickness. A quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects.
You also have the advantage of using the same bit for parallel joinery projects.
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.

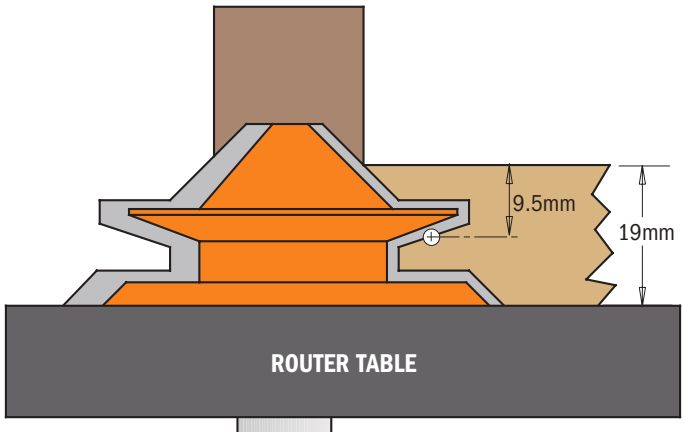


8/955.503

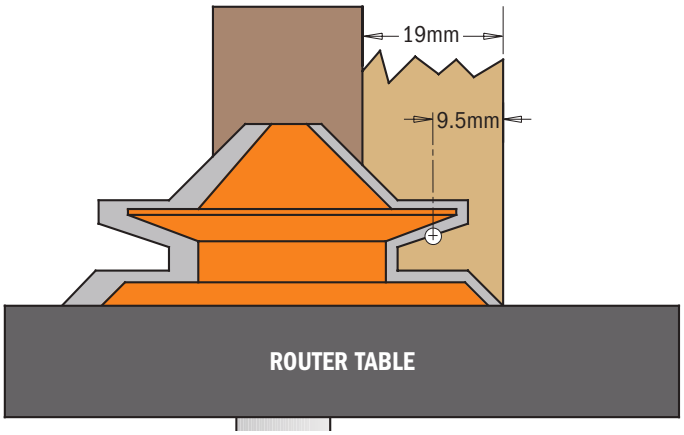


Drawing is 1:1 scale

FOR MITER AND PARALLEL GLUE JOINTS USING 19MM BOARD

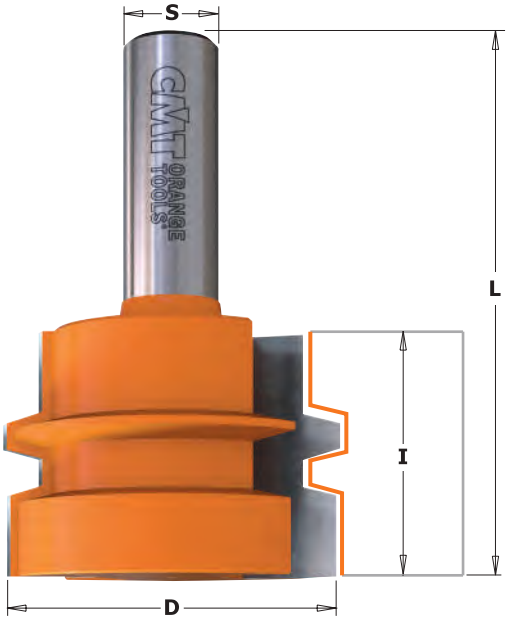


Nr. 1: Rout one piece with the inside face flat on the router table. Be sure the cut is centred to the stock.



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
44.5	19	45°	9 ÷ 18	58	5			**955.009.11**		
50.8	21	45°	9.5 ÷ 19	60.3	5				**955.504.11**	**855.504.11**
70	30	45°	15 ÷ 28.5	70	5				**955.503.11**	**855.503.11**

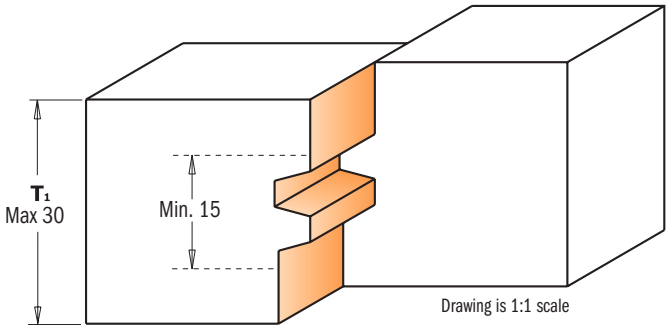


8/955.501

HW Z2 RH

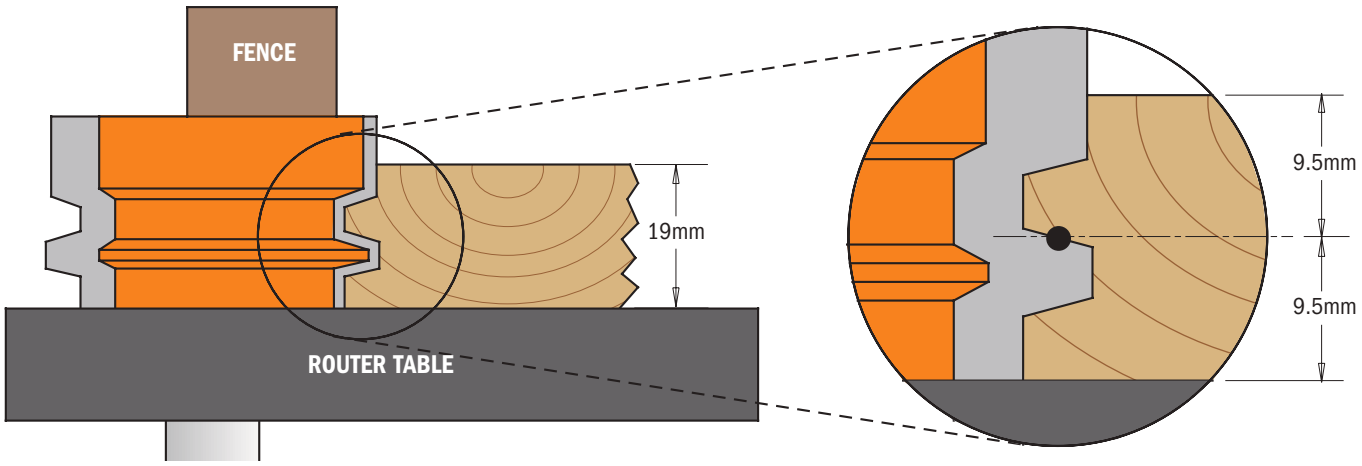
The most unique and important characteristic of this CMT bit is its capacity to produce a virtually indestructible glue joint quickly and flawlessly. Ideal for routing panels, doors and furniture pieces of wide dimension, panels, doors and furniture pieces. Refer to page 252, “ABCs of Panel Door Construction”.
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.



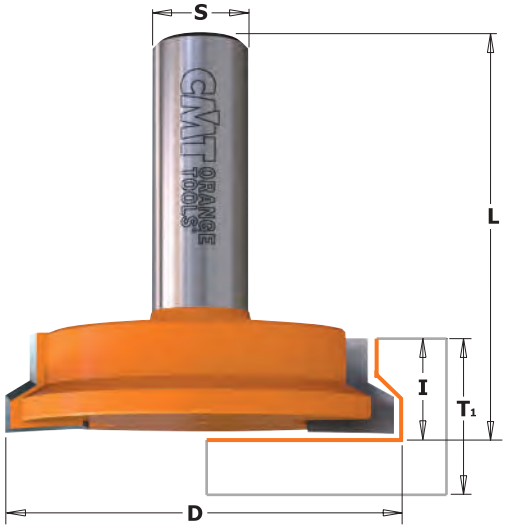


EXAMPLE USING A 19MM BOARD



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



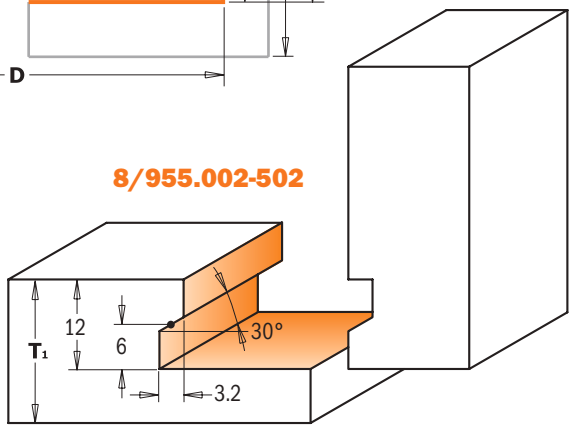
7/8/955

With CMT drawer lock bits you can make strong, perfectly fitted joints quickly and easily. Follow the example below to create perfect drawers.

WARNING! These bits are to be used on router tables only with a fence. Do not use on hand-held routers.

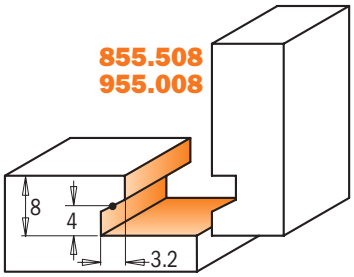


8/955.002-502

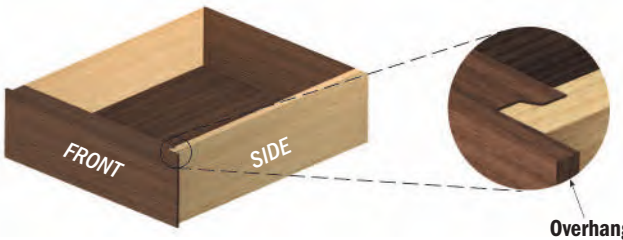


Drawing is 1:1 scale

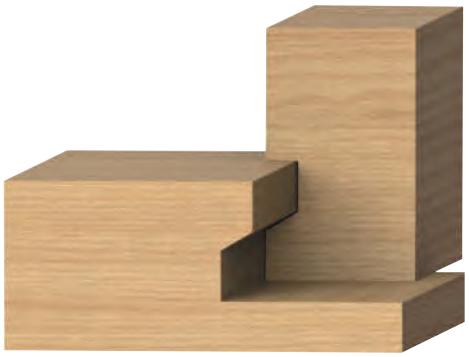
855.508
955.008

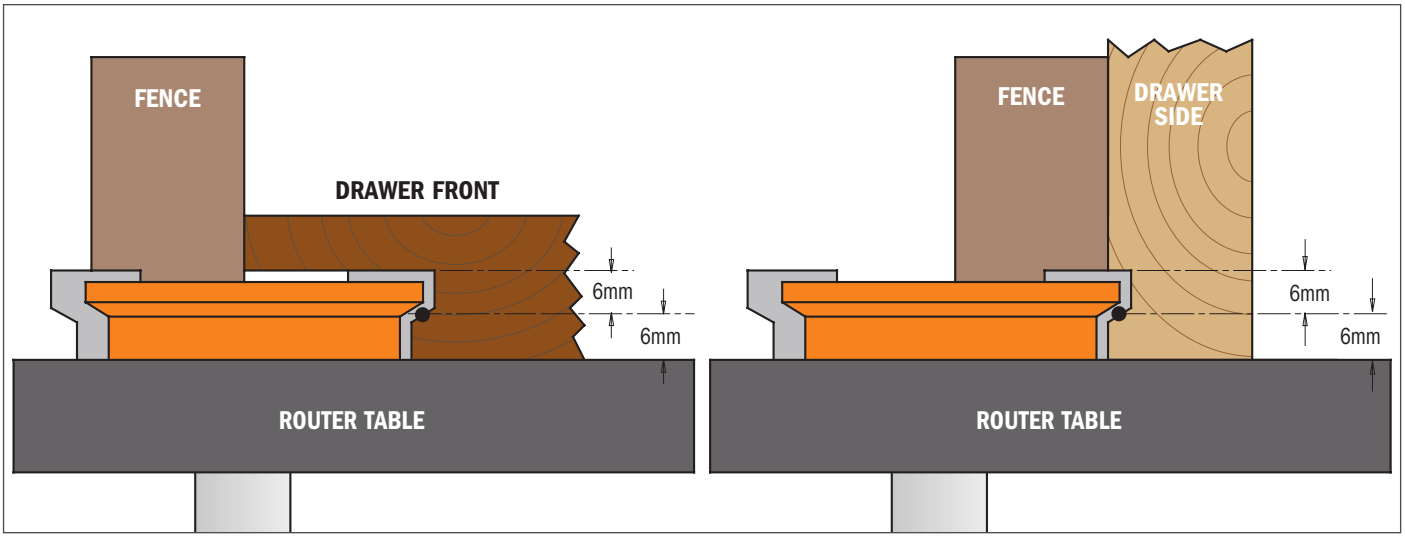


Drawing is 1:1 scale



Overhang for drawer stop

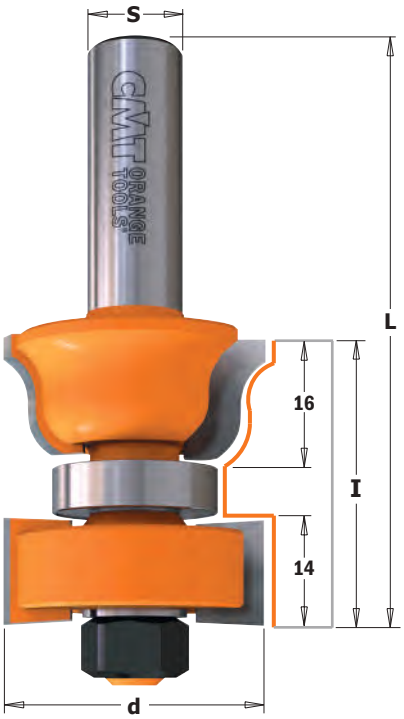


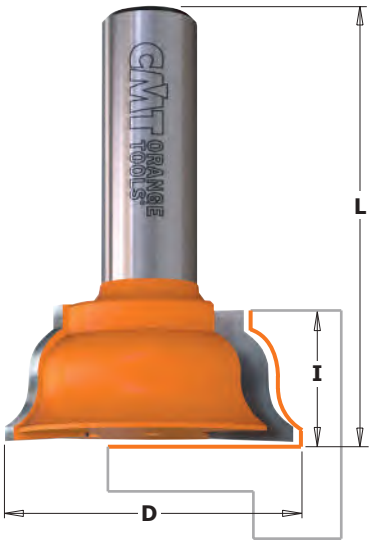


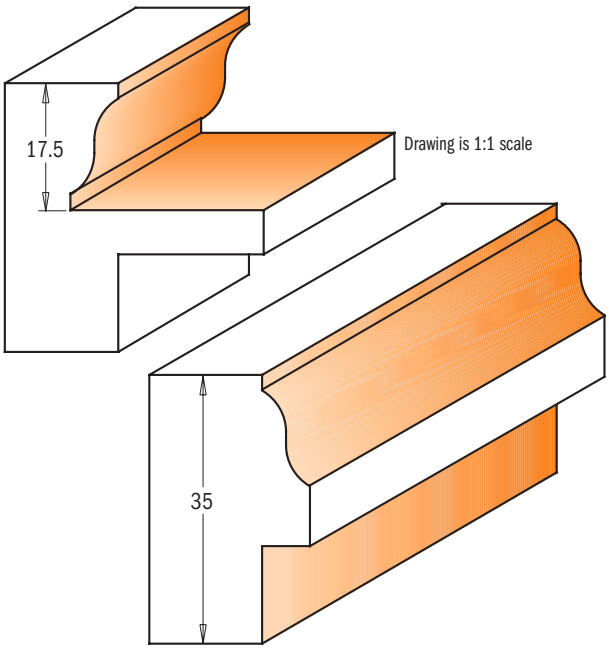
D mm	T1 min. mm	T1 max. mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
25.4	9.5	15.88	12.7	54	10			**955.008.11**		**855.508.11**
31.7	15.88	25.4	12.7	44.5	10	**755.002.11**	**855.002.11**	**955.002.11**		
50.8	15.88	25.4	12.7	50.8	10				**955.502.11**	**855.502.11**

8/955.801

CMT designed this set so you can create window sashes that are as beautiful as they are functional.
You can craft perfect 12.7mm profiles for custom doors.







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

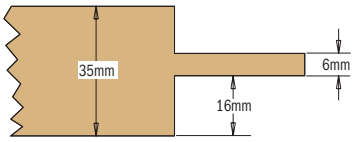
791.012.00	822.004.11	541.518.00	990.020.00

STEP-BY-STEP WINDOW SASH CONSTRUCTION

CMT SET MAKES IT EASY!

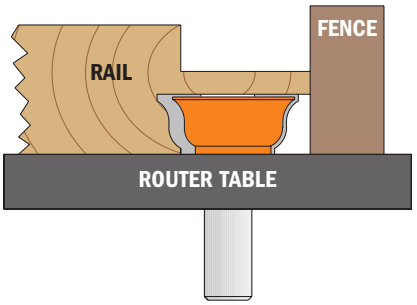
In our step-by-step example for window sash construction, we used the following:
- CMT Window Sash Set (item #855.801.11)
- stiles cut 35mm thick
- rails cut 35mm thick
- scrap stock

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 Profilees.



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.

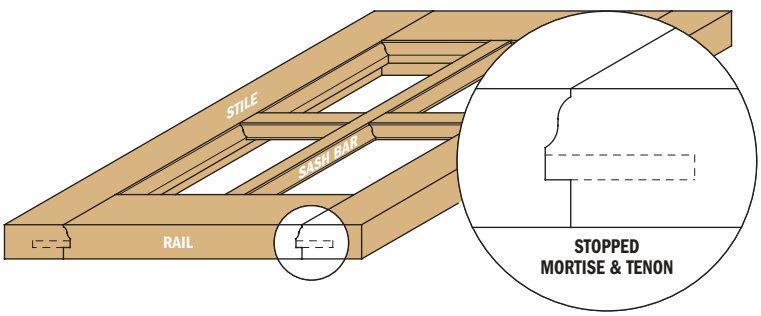


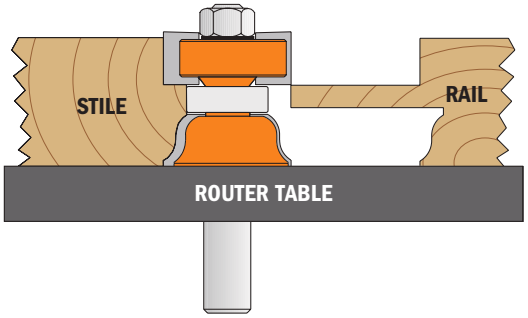
STEP 2 - Making the cope Profilee on rails, sash bar and muntins

To make the cope Profilee, 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.

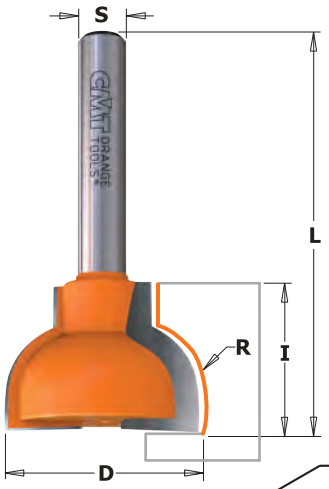
STEP 3 - Making the stick Profilee on rails, stile, sash bar and muntins

To mill the stick Profilee along the inside edges of all sash parts, place the already milled cope Profilee 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 Profilee. 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.





Ovolo/Glass Door Sash Bits

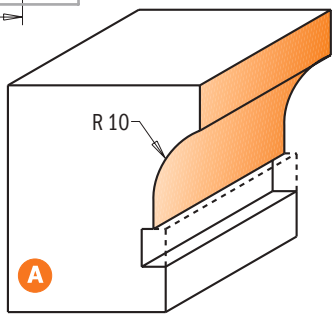


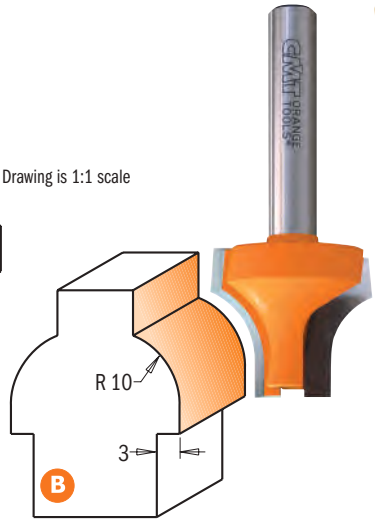
8/955.3

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.



Drawing is 1:1 scale



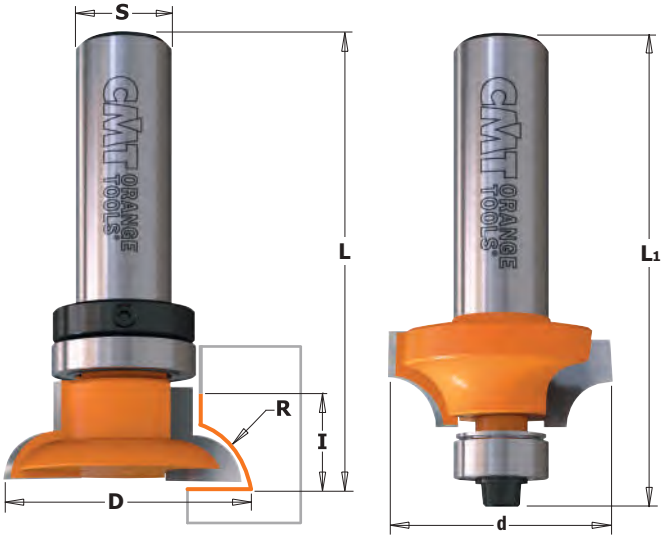


D mm	I mm	R mm	L mm	PROFILE		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm
25	19	10	50.8	A	10	855.307.11M	955.307.11M
22	19	10	50.8	B	10	855.307.11F	955.307.11F
28	19	10	61.2	C	10	855.308.11F	955.308.11F

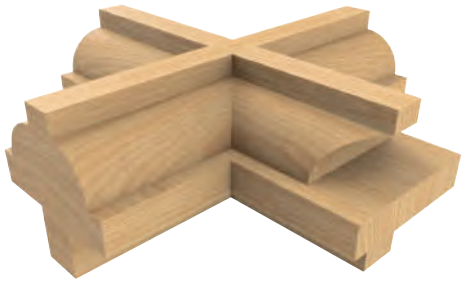
Spare parts

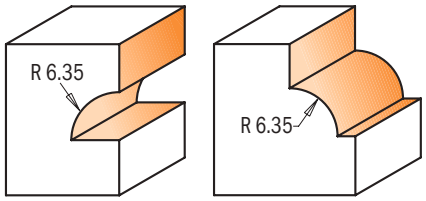
990.423.00	791.003.00	990.058.00	991.057.00

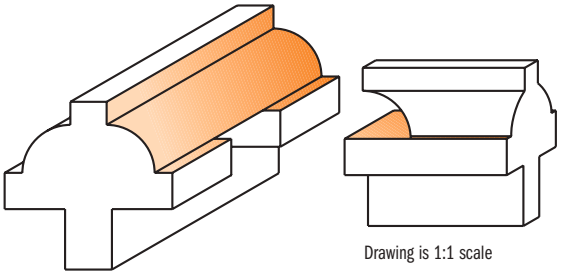
Ovolo/Glass Door Sash Set



955.302 - 855.802







Drawing is 1:1 scale

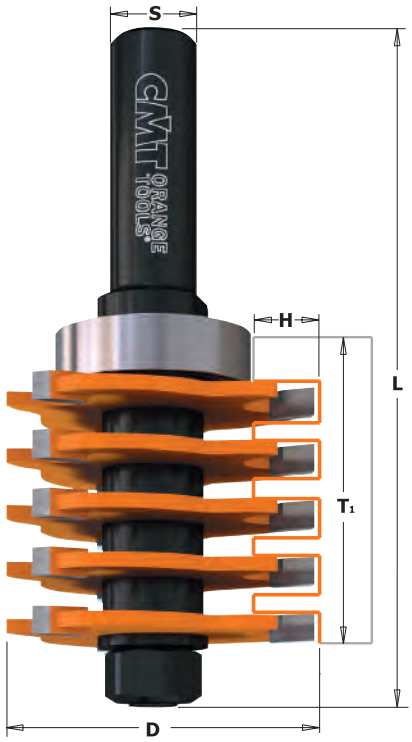
d mm	D mm	I mm	R mm	L mm	L1 mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
30	31.7	12	6.35	57	61	5	955.302.11	855.802.11

Spare parts

990.423.00	791.003.00	990.058.00	791.011.00	541.002.00

Spare parts: **991.056.00** 1.5mm hex key
991.057.00 3/32" hex key

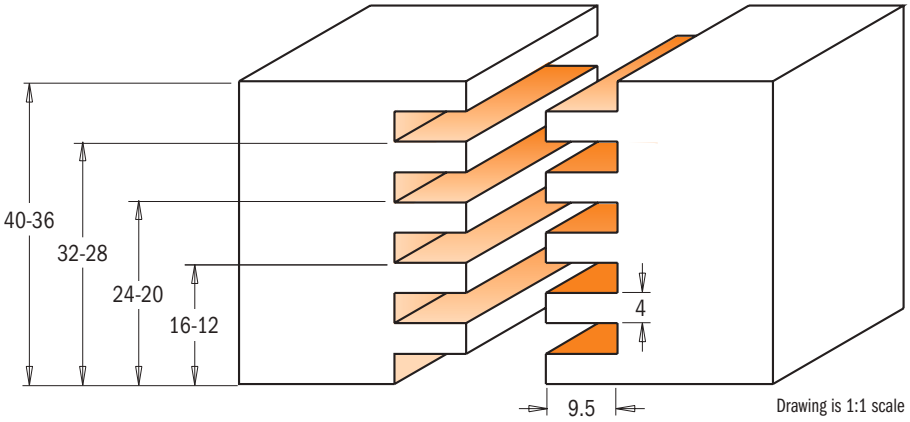
Finger Joint Bit



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**

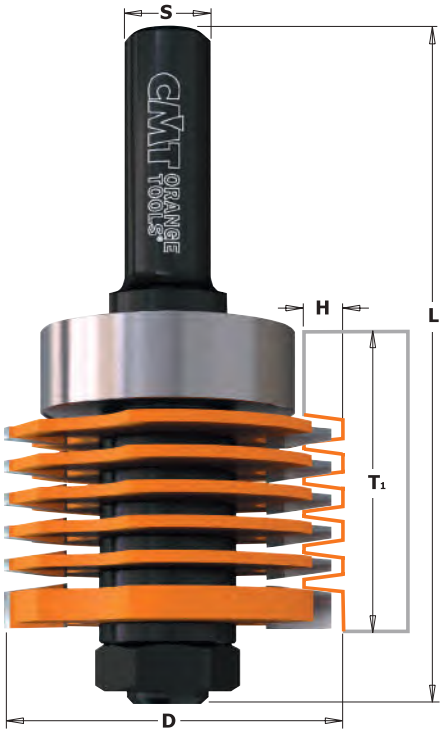
Spare parts

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)

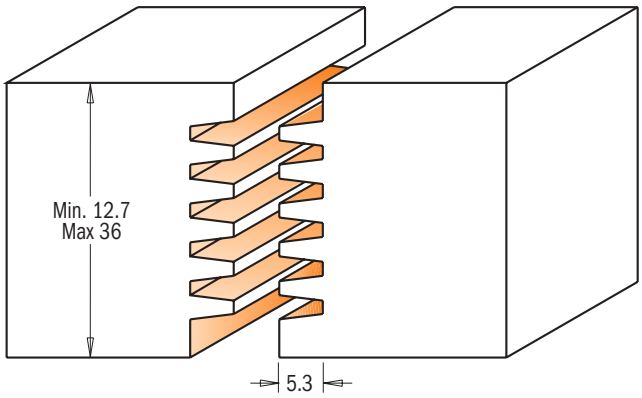
Professional Finger Joint Bit



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 in varying lengths from 12.7mm to 36mm.
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.



Drawing is 1:1 scale

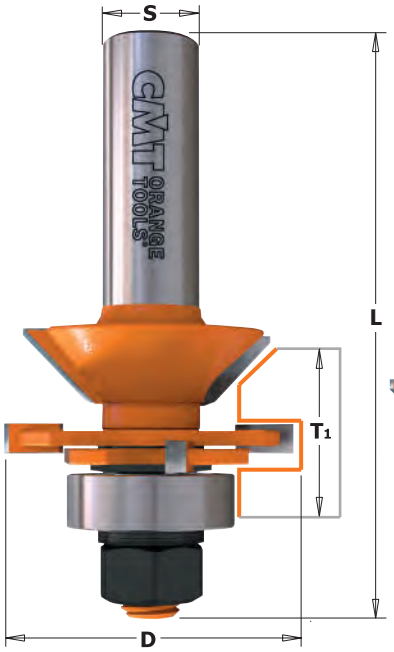
T1 mm	D mm	H mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12.7 - 36	47.6	5.3	97	10	**900.606.11**	
12.7 - 36	47.6	5.3	97	10		**800.606.11**

Spare parts

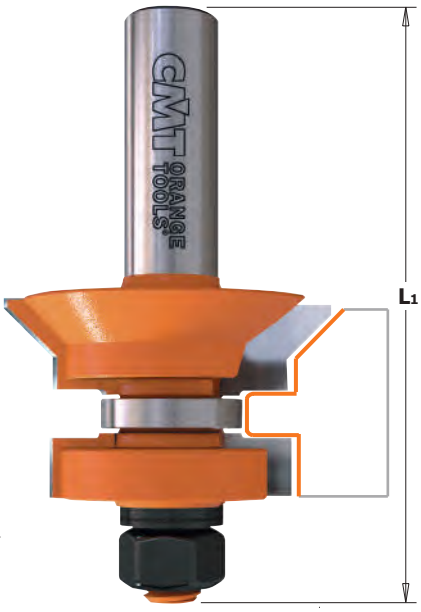
		1.85mm	5.5mm	
924.129.00	791.028.00	822.005.11	822.006.11	990.022.00
824.129.00	791.028.00	822.005.11	822.006.11	990.022.00

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



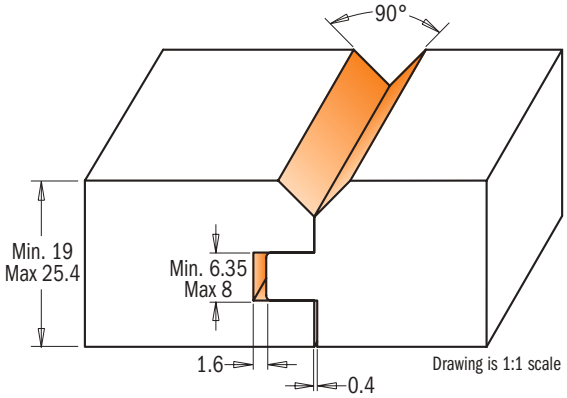
8/955.506



HW | α | 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.



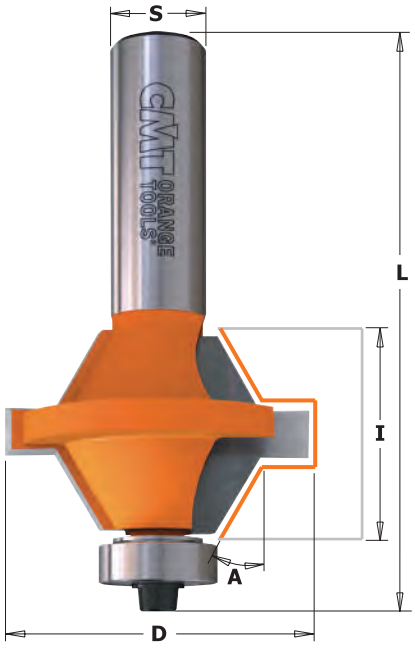
D mm	T1 mm	L mm	L1 mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
44.4	19÷25.4	75.5	78.5	10	**955.506.11**	**855.506.11**

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

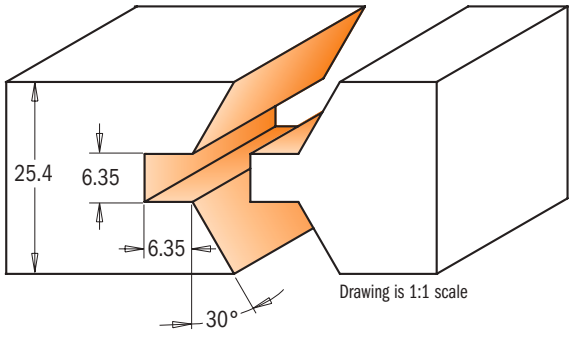
Edge Banding Bits Set



8/955.510

HW | α | Z2 | RH

This is a great set to create cost-effective, yet attractive durable edges to your cabinet doors. For use with 12.7mm or 25.4mm thick panels in plywood or MDF. 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.





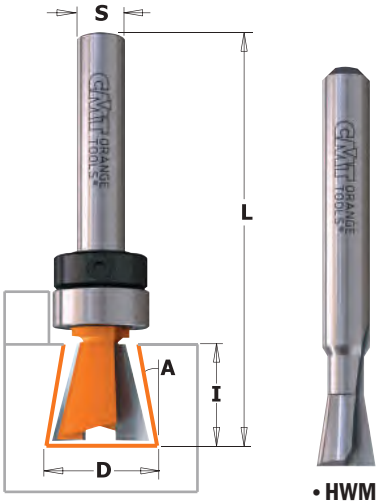




D mm	I mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
40	25.4	30°	74.5	5	**955.510.11**	**855.510.11**

Spare parts

990.423.00	791.018.00	990.058.00	991.057.00



• HWM

7/8/918 - 7/818B

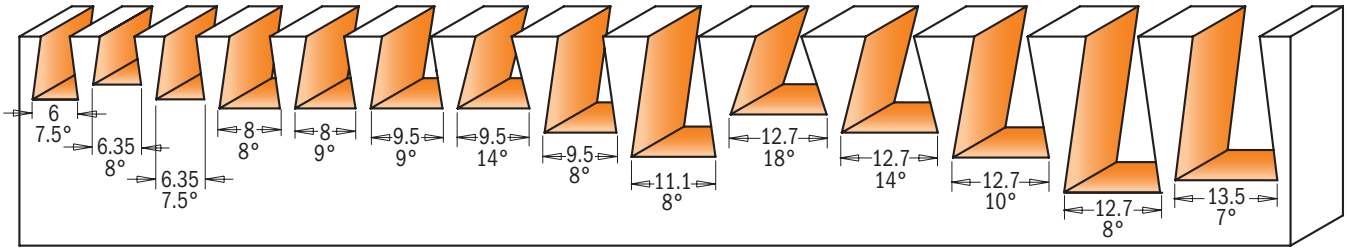
HWM HW Z2 RH

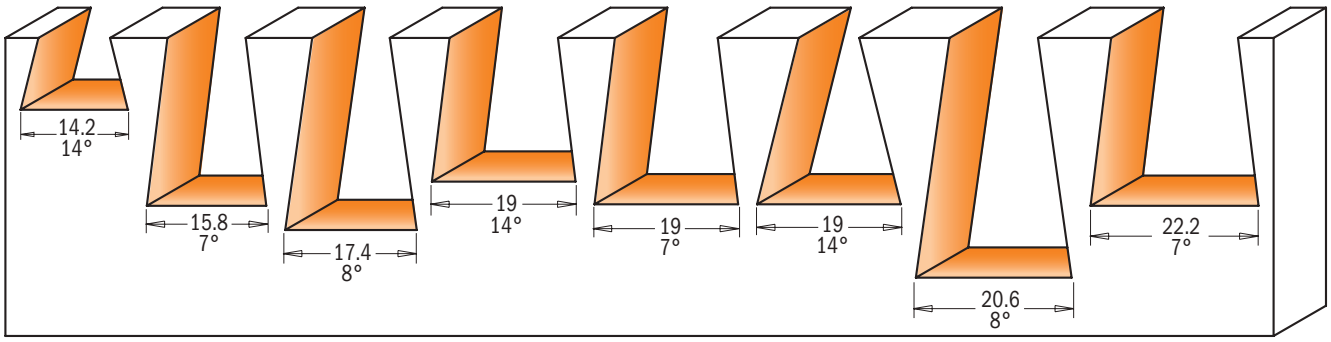
The beautifully crafted dovetail joint is a classic that appeals to both professionals and novices alike.

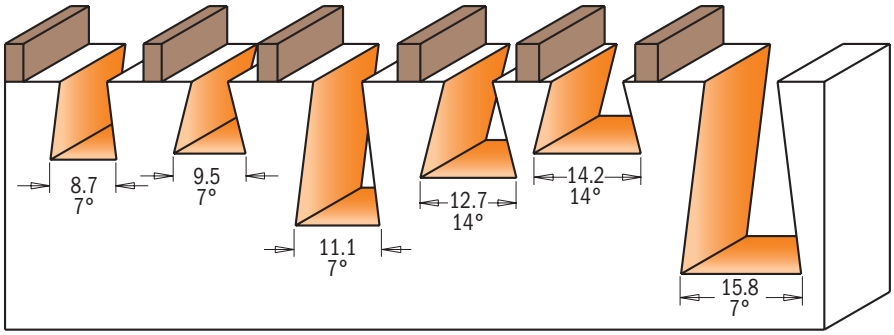
SHOP TIPS: Two passes are recommended when routing dovetails with a template. Check that the dovetails have been cut through completely and smoothly before removing the workpiece. For even easier routing and less stress on your dovetail bit, run the first pass with a straight bit. Use a dovetail on your router table equipped with a fence to achieve difficult chamfer angles.

SAFETY TIPS: If the dovetail bit jams while working, adjust the position of the bit in the collet and ensure the cutting depth is appropriate. Do not lift the router out of the template.

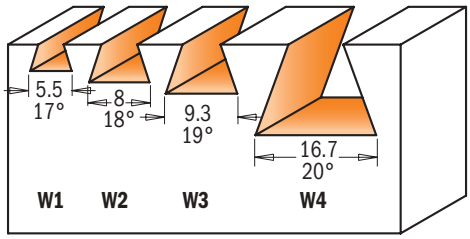
Drawing is 1:1 scale



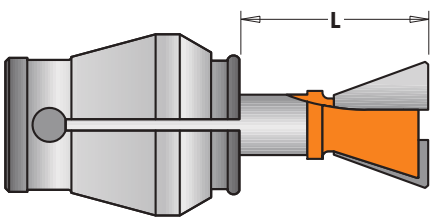




Fit Manufacturer Model	ORDER NO.	
CMT-Enlock10		818.098.11B
CMT-Enlock15	718.127.11B	818.128.11B
CMT300	718.127.11	818.128.11
	918.127.11	818.628.11



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	

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

7/8/918



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	60.3	14°	10		818.098.11			
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	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		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		

Spare parts: **990.005.00** M3x3mm TSEI screw
991.056.00 1.5mm hex key

• **HWM**

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



A FEW OF THE BEAUTIFUL DOVETAIL JOINTS YOU CAN PRODUCE USING CMT BITS


THROUGH DOVETAIL

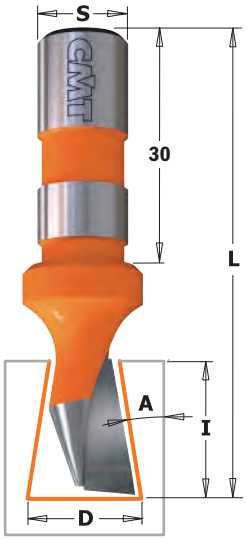

HALF-BLIND DOVETAIL


VARIABLE-SPACED DOVETAIL


SLIDING DOVETAIL

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9° Dovetail Cutters

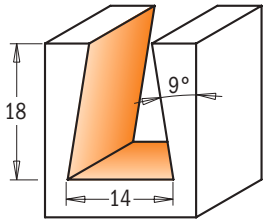


522

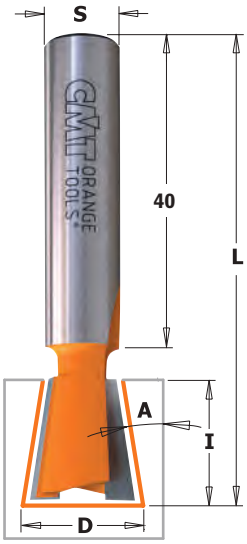
HW | α | Z1 | RH

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:
- Strength steel.
- 1 HW precision ground cutting edge [Z1].



Drawing is 1:1 scale

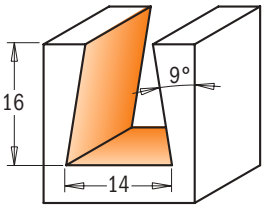


523

HW | α | Z2 | RH

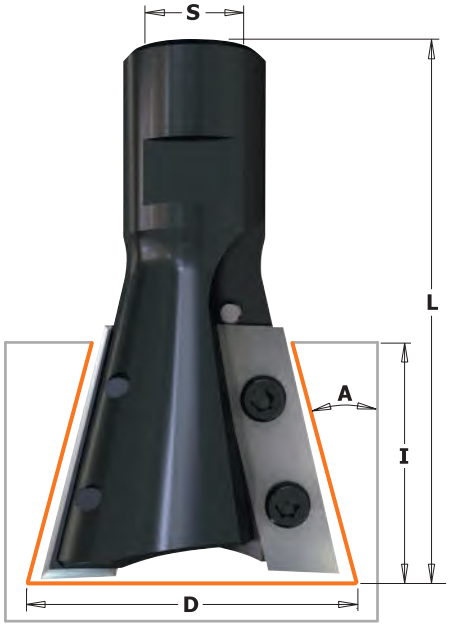
D mm	I mm	L mm	A	S mm		ORDER NO. Right-hand rotation
14	16	60	9°	10	10	**523.140.11**

TECHNICAL DETAILS:
- 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 | α | Z2 | RH | 2X CUTTING

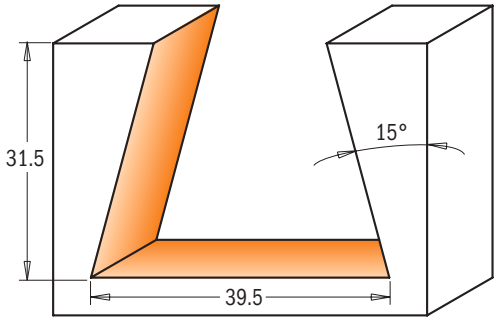
D mm	I mm	L mm	A	S mm		ORDER NO. Right-hand rotation
39.5	31.5	66	15°	M12x1	1	**664.395.11**

TECHNICAL DETAILS:
- Strength steel.
- 2 HWM precision insert knives [Z2].

APPLICATION:
This cutter allows you to assemble roof-frames by dovetailing.

Spare parts

790.315.00	990.076.00	991.061.00

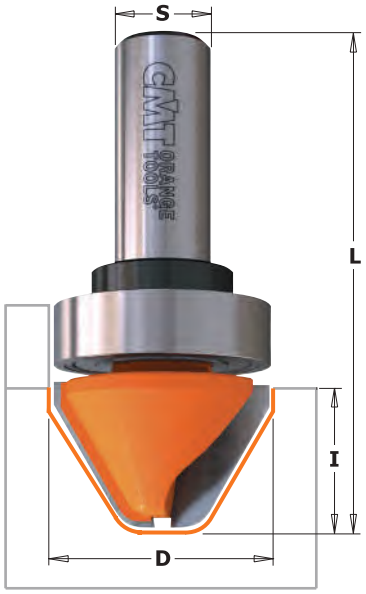


Drawing is 1:1 scale

SAFETY TIPS


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

60° Lettering Bit



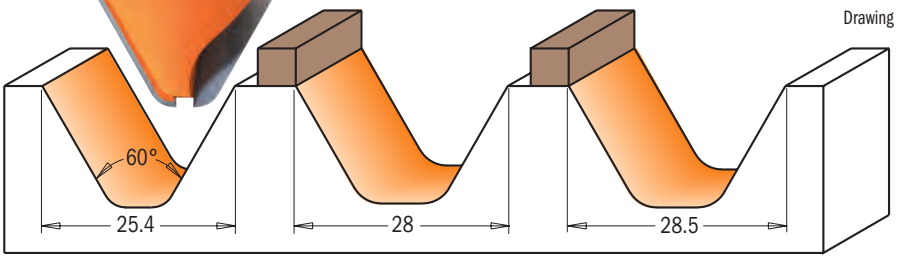
8/949B



7/8/949

The ideal bit for engraving in wood, CMT designed this bit to make attractive signage without running the risk of splitting or chipping. Especially useful for letter carving in relief. A flattened bottom makes 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.

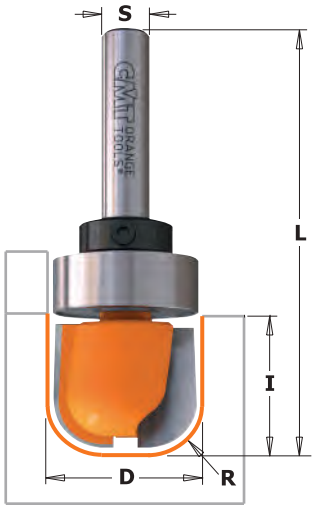
Drawing is 1:1 scale



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



7/8/951B

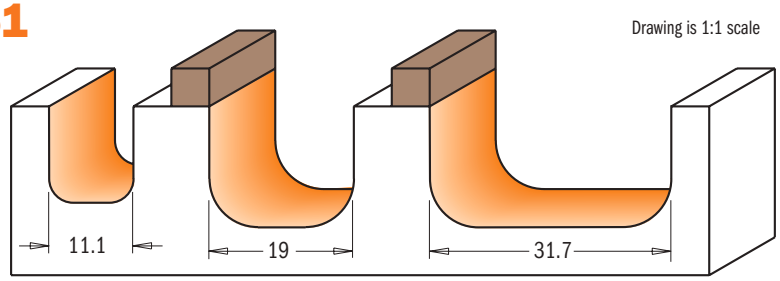


7/8/951

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. We recommend using a top bearing for accurate and easy pattern work.

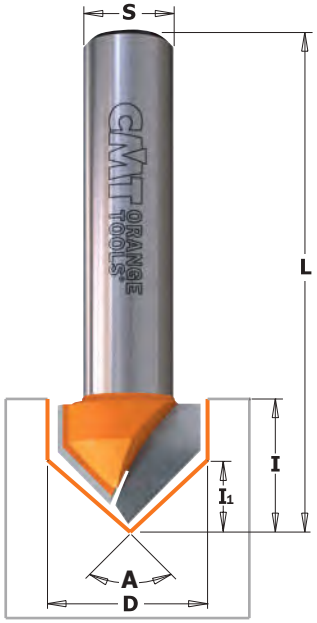
TIPS: use these bits on a table router with bearing guide for decorative edgework.

Drawing is 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

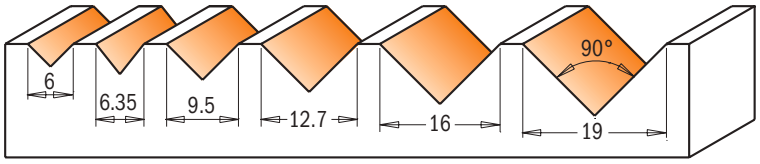


7/8/915

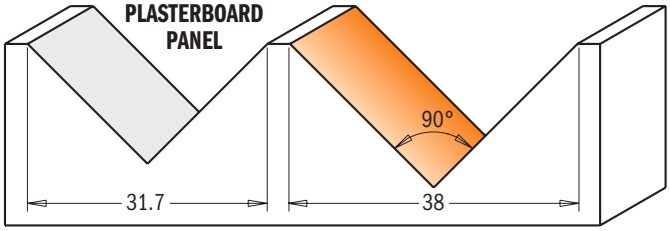
HWM HW Z2 RH

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).



Drawing is 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=Ø12mm	ORDER NO. S=Ø12.7mm
•6	8	3	90°	46	10	**715.060.11**		**915.060.11**		
•6.35	8	3.18	90°	38.1	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**

• HWM

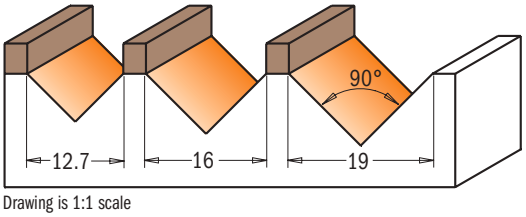


7/8/915B

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**).

TIPS: these bits perfectly chamfer at 45° angles (two tools in one).



Drawing is 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

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

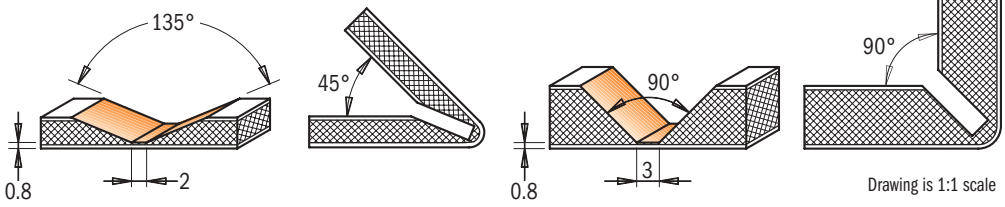
Spare parts: **990.005.00** M3x3mm STEI screw



7/8/915

HW Z2 RH

ALUCOBOND® panels are an aluminium composite material that can be shaped using a very simple processing method. This technique referred to as the 'routing and folding' method which means paneling can be manipulated to form a variety of shapes and sizes. 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.



Drawing is 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





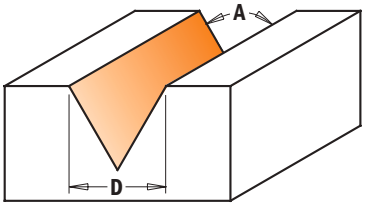
7/858.002
• HWM

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

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**		

• HWM

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



665

INSERT CARBIDE | Z1 | RH | 2X CUTTING

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.

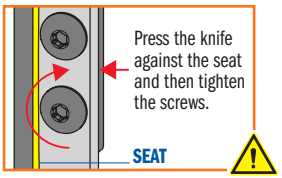
TECHNICAL DETAILS:
- Strength steel.
- 1 HW precision insert knife [Z1].

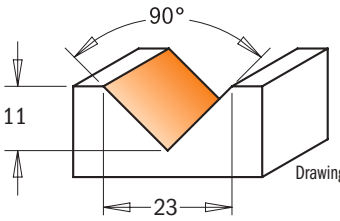
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

CORRECT KNIFE POSITIONING





Drawing is 1:1 scale

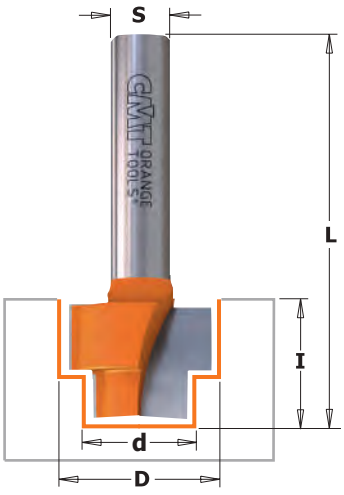


A	D mm	I mm	L mm			ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	
90°	23	11	60	10		**665.201.11**	**665.200.11**	

Spare parts

790.280.00	990.093.00	991.073.00

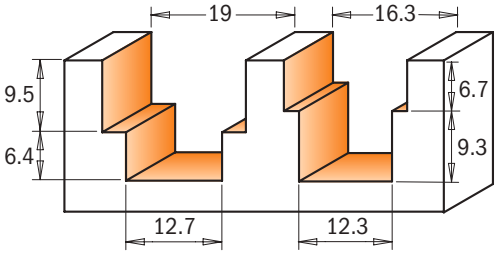
Stepped Rebate Bit



965

HW | Z2 | RH

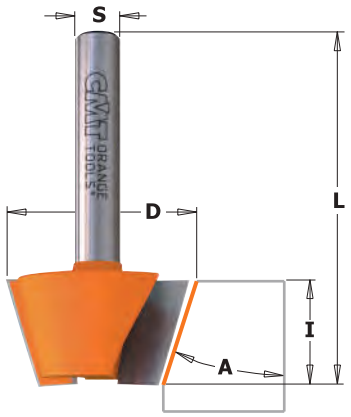
Router bit featuring 2 carbide-tipped cutting edges for producing double rebates on wood and wood composites. Designed for accepting library/bookcase shelving strips or for accommodating hardware into your window slots.



Drawing is 1:1 scale

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**		

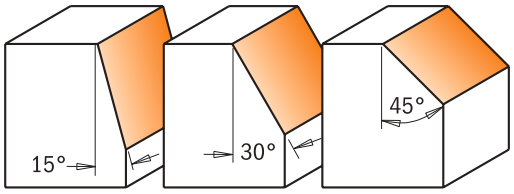
Chamfer Bits



703/4/5 - 903/4/5

HW | Z2 | RH

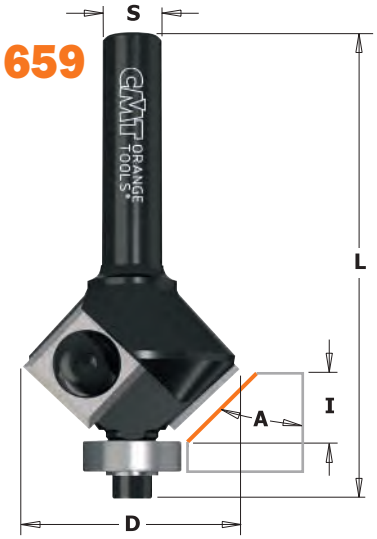
From a gently beveled edge to decorative chamfers in a variety of materials, CMT offers smooth results. Deeper cutting length means greater versatility on all bevel dimensions.



Drawing is 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



658

INSERT CARBIDE | Z2 | RH | 4X CUTTING

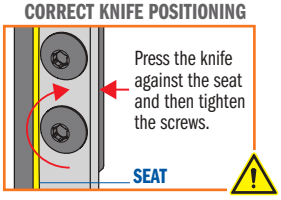
Chamfer trim bits feature two replaceable knives fixed by special TORX® screws. The knives are sharpened on all sides and can be resharpened up to three times. For slight bevelled edges or decorative edgework in a variety of materials. Equipped with bearing guides with no need for counterprofiles. For use on portable routers.

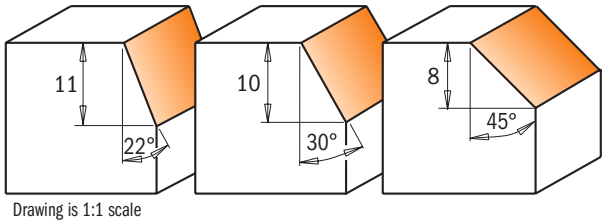
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

CORRECT KNIFE POSITIONING





Drawing is 1:1 scale

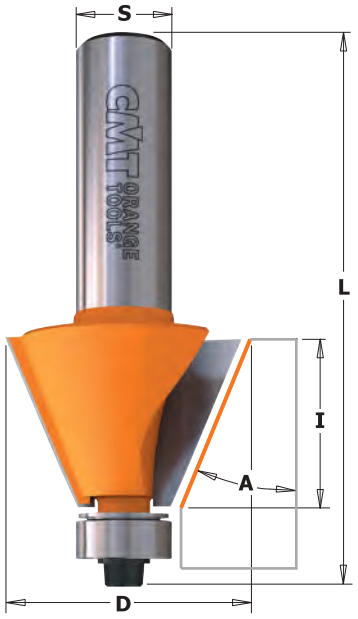
A	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
45°	29	8	52	10	**658.047.11**		**658.045.11**	
22°	25	11	65	10	**659.024.11**	**659.023.11**	**659.022.11**	
30°	28	10	66	10	**659.032.11**	**659.031.11**	**659.030.11**	
45°	29	8	60	10	**659.047.11**	**659.046.11**	**659.045.11**	
45°	29	8	68	10				**659.646.11**

Spare parts

790.120.00	990.075.00	
790.120.00	990.075.00	791.006.00
790.120.00	990.075.00	791.006.00
790.120.00	990.075.00	791.022.00
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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

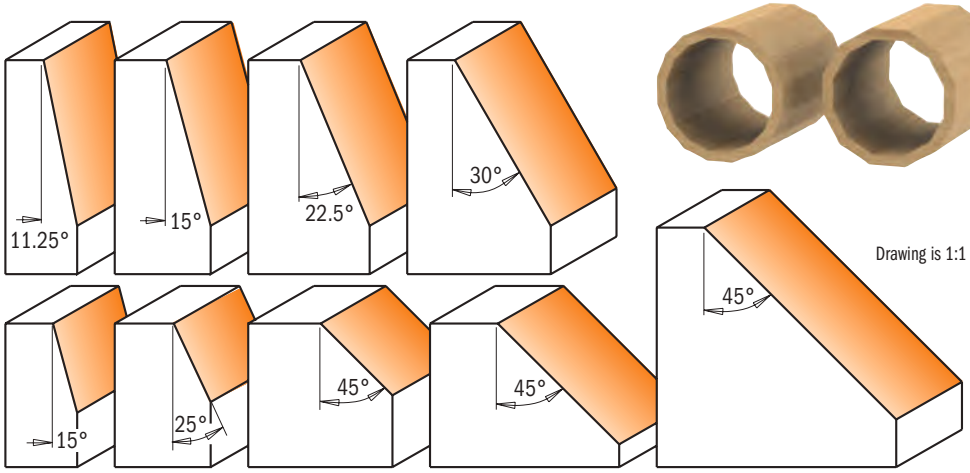


7/8/936 - 8/957

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.





Drawing is 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
15°	19	11.5	54.9	10	**736.130.11**	**836.130.11**	**936.130.11**		
25°	22.2	10	54.9	10	**736.190.11**	**836.190.11**	**936.190.11**		
45°	31.7	9.5	53	10	**736.280.11**	**836.280.11**	**936.280.11**		
45°	45	18	60.2	10	**736.420.11**	**836.420.11**	**936.420.11**		
45°	45	18	66.5	10				**936.920.11**	**836.920.11**
45°	65	26	76.7	5				**936.950.11**	**836.950.11**
11.25°	21.5	22	71.1	10				**957.504.11**	**857.504.11**
15°	24.5	22	71.1	10				**957.503.11**	**857.503.11**
22.5°	31	22	71.1	10				**957.502.11**	**857.502.11**
30°	38.5	22	71.1	10				**957.501.11**	**857.501.11**

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
990.423.00	791.003.00	990.058.00	991.057.00

SHOP TIPS: After resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

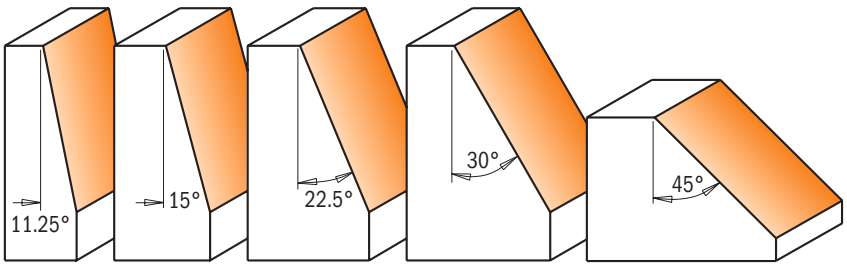
Chamfer Set



836

HW α Z2 RH

This set includes 5 anti-kickback carbide-tipped bits to make angled cuts and polygonal projects easier and more accurate in the most popular angles.



Drawing is 1:1 scale

DESCRIPTION		ORDER NO. S=Ø12.7mm
Chamfer Set	5	**836.501.11**



7/8/914B



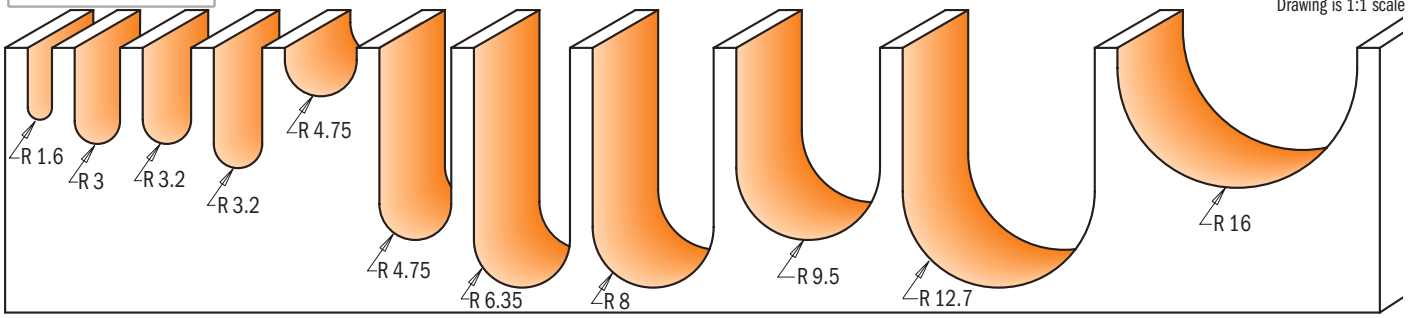
7/8/914

HWM HW Z1+1 Z2 RH

Personalize your doors, drawer fronts, panels or any surface with your own signature motif. CMT round nose bits in solid carbide featuring carbide tipped flutes let you create delicate and decorative accents in any wood or wood derivative.

SHOP TIPS: more than one pass is recommended when making cove edges. To prevent splintering, begin with a shallow initial pass and deepen gradually. Never use pieces shorter than 600mm.

Drawing is 1:1 scale



R 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
•1.6	3.2	9.5	50.8	2	10	**714.032.11**	**814.032.11**	**914.032.11**		
•1.6	3.2	12.7	50.8	2	10		**199.001.11**			
•3	6	12.7	50.8	2	10	**714.060.11**		**914.060.11**		
•3	6	27	70	2	10	**199.060.11**				
•3.2	6.4	12.7	50.8	2	10		**814.064.11**			
•3.2	6.4	25.4	63.5	2	10		**199.008.11**			
•3.2	6.4	15.9	63.5	2	10					**814.564.11**
•4	8	32	80	2	10			**199.081.11**		
4.75	9.5	6.4	50.8	2	10	**714.095.11**	**814.095.11**	**914.095.11**		
4.75	9.5	25.4	66.7	2	10					**814.595.11**
•6	12	35	80	2	10				**199.120.11**	
6.35	12.7	9.5	50.8	2	10	**714.127.11**	**814.127.11**	**914.127.11**		
6.35	12.7	31.7	73	2	10				**914.627.11**	**814.627.11**
•6.35	12.7	31.7	76.2	2	10					**199.505.11**
8	15.8	9.5	50.8	2	10	**714.160.11**	**814.160.11**	**914.160.11**		
8	15.8	31.7	73	2	10					**814.660.11**
9.5	19	11.3	50.8	2	10	**714.190.11**	**814.190.11**	**914.190.11**		
9.5	19	25	63.5	2	10			**914.191.11**		
9.5	19	25	63.5	1+1	10			**914.192.11**		
9.5	19	31.7	73	2	10				**914.690.11**	**814.690.11**
11	22	25.4	63.5	2	10			**914.221.11**		**814.721.11**
11	22	25	63.5	1+1	10			**914.222.11**		
12.7	25.4	16	58.8	2	10			**914.254.11**		
12.7	25.4	31.7	73	2	10				**914.754.11**	**814.754.11**
16	31.7	18.5	58.8	2	10				**914.817.11**	**814.817.11**
19.05	38.1	31.7	69.8	2	10				**914.880.11**	**814.880.11**
25.4	50.8	31.7	69.8	2	10				**914.990.11**	**814.990.11**
WITH TOP BEARING										
6.35	12.7	9.5	50.8	2	10		**814.127.11B**			
8	15.8	9.5	50.8	2	10		**814.160.11B**			
8	15.8	9.5	50.8	2	10			**914.160.11B**		
9.5	19	11.3	50.8	2	10	**714.190.11B**				
9.5	19	11.3	50.8	2	10		**814.190.11B**			
9.5	19	31.7	73	2	10					**814.690.11B**

199



Spare parts

791.010.00	541.001.00
791.009.00	541.001.00
791.025.00	541.004.00
791.007.00	541.003.00
791.004.00	541.001.00
791.011.00	541.002.00

Spare parts: **990.005.00** M3x3mm TSEI screw **991.056.00** 1.5mm hex key • **HWM**

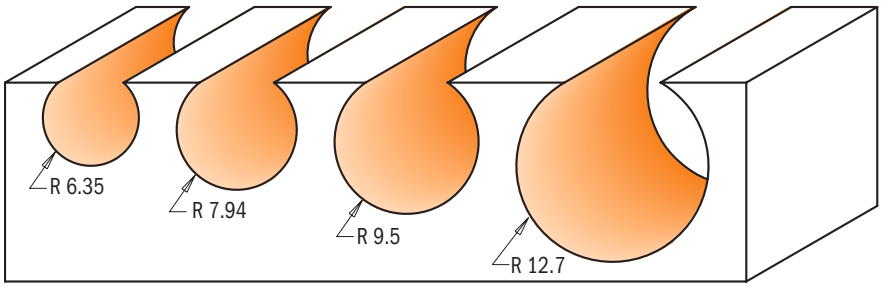
Ball End Bit



8/968

HW | α | 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.



Drawing is 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**
9.53	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**

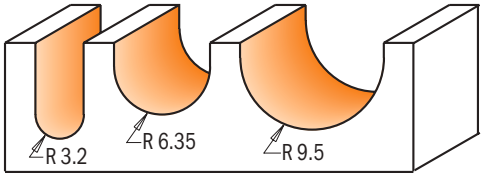
Round Nose Set



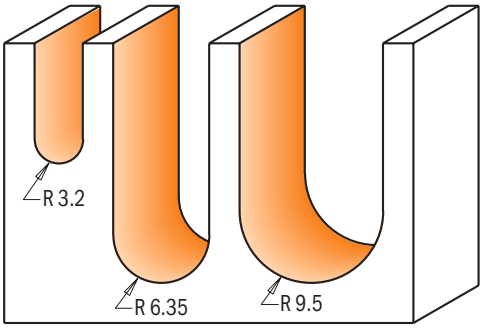
814

HWM | HW | α | 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.



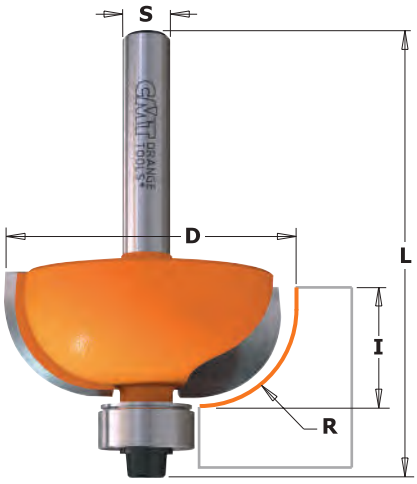
814.001.11



814.501.11

Drawing is 1:1 scale

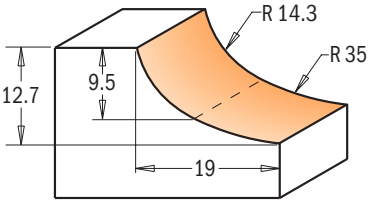
DESCRIPTION		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø12.7mm
Round Nose Set	5	**814.001.11**	**814.501.11**



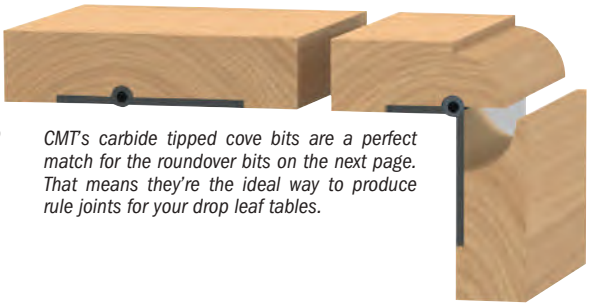
7/8/937

Make simple or elegant furniture, doors and drawer fonts by adding a final touch with CMT cove bits.

TIPS: rounded edges provide a very refined and elegant look.

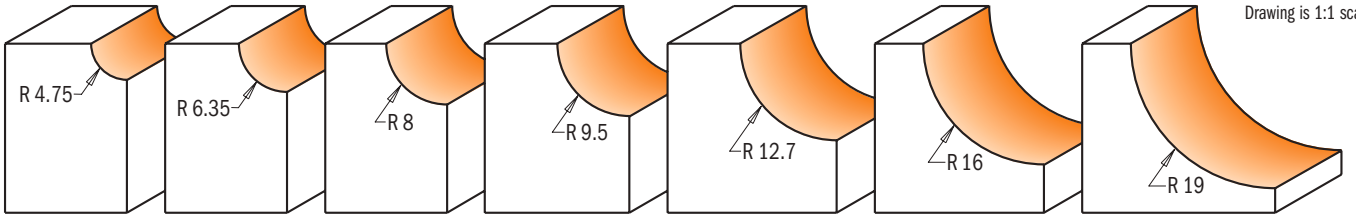


8/937.955.11



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.

Drawing is 1:1 scale



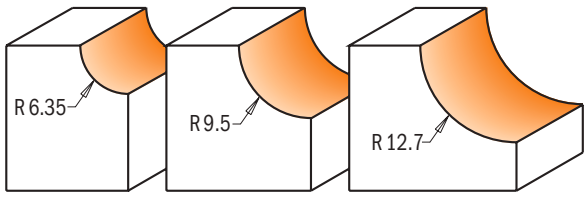
R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm	Spare parts			
4.75	22.2	12.7	54.9	10	**737.190.11**	**837.190.11**	**937.190.11**			990.423.00	791.003.00	990.058.00	991.057.00
4.75	22.2	12.7	61.2	10				**937.690.11**	**837.690.11**	990.423.00	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

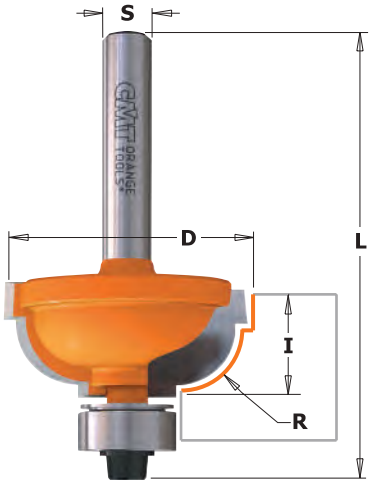
See simple furniture, doors and drawer fronts transform into elegant pieces by giving them a final touch with a CMT Cove Bit.
Available with 6.35mm-12.7mm shank and cove radii from 6.35mm - 9.5mm - 12.7mm.



Drawing is 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

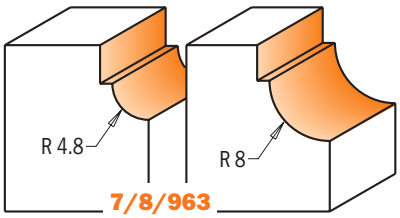
HW | α | Z2 | RH

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.

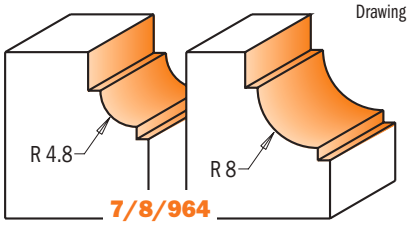
SAFETY TIPS: poor assembly may lead to unscrewing and loss of the bearing during operation.

SHOP TIPS: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersided bearing **791.063.00** (Ø12.5mm)

Drawing is 1:1 scale



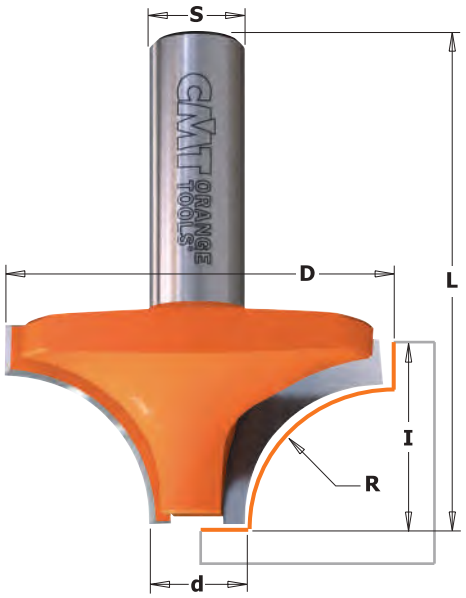
7/8/963



7/8/964

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			
4.8	25.4	11.5	54.6	10	763.048.11	863.048.11	963.048.11			990.423.00	791.003.00	990.058.00	991.057.00
4.8	25.4	11.5	60.9	10				963.548.11	863.548.11	990.423.00	791.003.00	990.058.00	991.057.00
8	31.7	14.3	56.9	10	763.080.11	863.080.11	963.080.11			990.423.00	791.003.00	990.058.00	991.057.00
8	31.7	14.3	63	10				963.580.11	863.580.11	990.423.00	791.003.00	990.058.00	991.057.00
4.8	25.4	11.5	52.8	10	764.048.11		964.048.11			990.422.00	791.002.00	990.058.00	991.057.00
4.8	25.4	11.5	59.1	10				964.548.11	864.548.11	990.422.00	791.002.00	990.058.00	991.057.00
8	31.7	14.3	55.1	10	764.080.11	864.080.11	964.080.11			990.422.00	791.002.00	990.058.00	991.057.00
8	31.7	14.3	61	10				964.580.11	864.580.11	990.422.00	791.002.00	990.058.00	991.057.00

Ovolo Bits



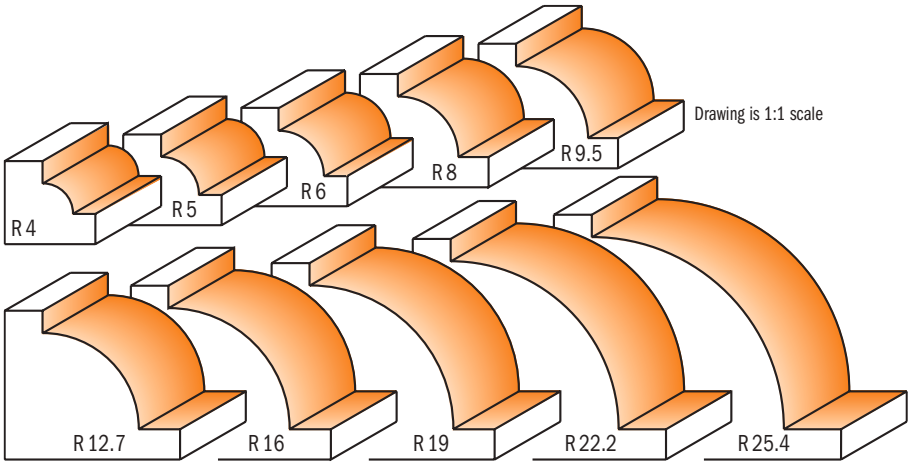
7/8/927

HW | α | Z2 | RH

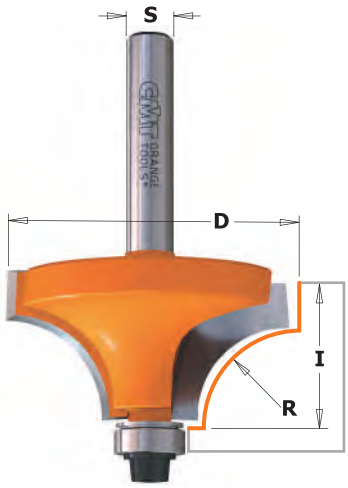
The perfect bit for furniture makers, the CMT ovolo allows you to make beautiful beadwork, edgework and veins as well as a wide variety of single and double bead profiles and roundovers.

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.

Drawing is 1:1 scale

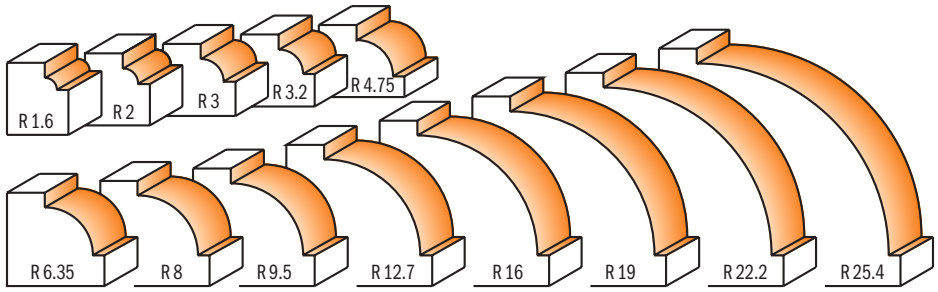


R mm	d mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
4	11	19	12	43.8	10	727.040.11		927.040.11		
5	11	21	12	43.8	10	727.050.11	827.050.11	927.050.11		
6	11	23	12	43.8	10	727.060.11	827.060.11	927.060.11		
6	11	23	12	50.1	10					827.560.11
8	12.7	28.7	12.7	44.5	10	727.080.11		927.080.11		
9.5	12.7	31.7	15.8	47.6	10	727.095.11	827.095.11	927.095.11		
9.5	12.7	31.7	15.8	54	10				927.595.11	827.595.11
12.7	12.7	38.1	19	50.8	10		827.127.11			
12.7	12.7	38.1	19	57.1	10				927.627.11	827.627.11
16	12.7	44.5	22.2	60.3	10				927.660.11	827.660.11
19	12.7	50.8	25.4	63.5	10				927.690.11	827.690.11
22.2	12.7	57.1	28.5	66.6	5				927.722.11	827.722.11
25.4	12.7	63.5	33.3	71.4	5				927.754.11	827.754.11



7/8/939

If you want to create a delicate inset at the base of the cut of a roundover profile, simply switch the bearing normally used for making profiles **7/8/938** (listed on the following page) to the undersized one listed below **(791.002.00)**.



Drawing is 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
1.6	15.9	12.7	10	**739.160.11**	**839.160.11**	**939.160.11**		
2	16.7	12.7	10			**939.167.11**		
3	18.7	12.7	10			**939.187.11**		
3.2	19.1	12.7	10	**739.190.11**	**839.190.11**	**939.190.11**		
4.75	22.2	12.7	10	**739.222.11**	**839.222.11**	**939.222.11**		
6.35	25.4	12.7	10	**739.254.11**	**839.254.11**	**939.254.11**	**939.754.11**	**839.754.11**
8	28.6	12.7	10	**739.285.11**	**839.285.11**	**939.285.11**		
9.5	31.7	16	10	**739.317.11**	**839.317.11**	**939.317.11**	**939.817.11**	**839.817.11**
12.7	38.1	19	10	**739.380.11**	**839.380.11**	**939.380.11**	**939.880.11**	**839.880.11**
16	44.5	22	10		**839.445.11**	**939.445.11**	**939.945.11**	**839.945.11**
19	50.8	25.4	10				**939.990.11**	**839.990.11**
22.2	57.1	28.5	5				**939.991.11**	**839.991.11**
25.4	63.5	33.3	5				**939.992.11***	**839.992.11***

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
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
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
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

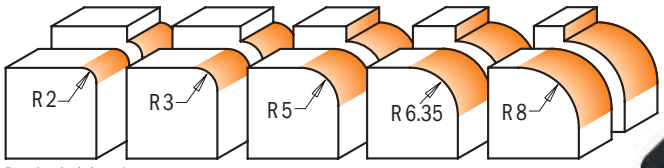
***For use on router tables only.**



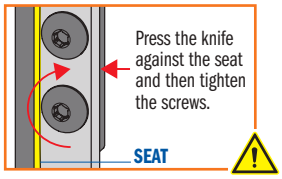
Roundover Bits with Insert Knives

661.11

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 and chipboard, as well as hard and soft woods.
For use on portable routers.



Drawing is 1:1 scale





Standard
R=3mm 790.030.04

Optional
R=1mm 790.010.04
R=1.5mm 790.015.04
R=2mm 790.020.04

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

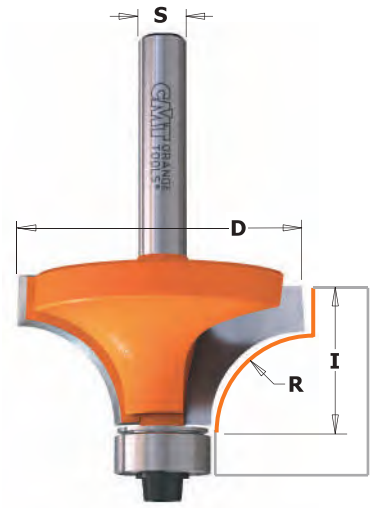
R mm	D mm	I mm	L mm		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	
2	27		57.5	10	**661.021.41**	**661.020.41**	
3	27		57.5	10	**661.031.41**	**661.030.41**	
5	28.8	19.5	64	10		**661.050.11**	
6.35	28.5	24	67	10	**661.064.11**	**661.063.11**	
8	31.8	24	67	10		**661.080.11**	

Spare parts

	790.020.04	990.078.00	991.061.00	791.003.00
	790.030.04	990.078.00	991.061.00	791.003.00
790.050.00		990.076.00	991.061.00	791.007.00
790.064.00		990.076.00	991.061.00	791.006.00
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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



7/8/938

HW | Z2 | RH

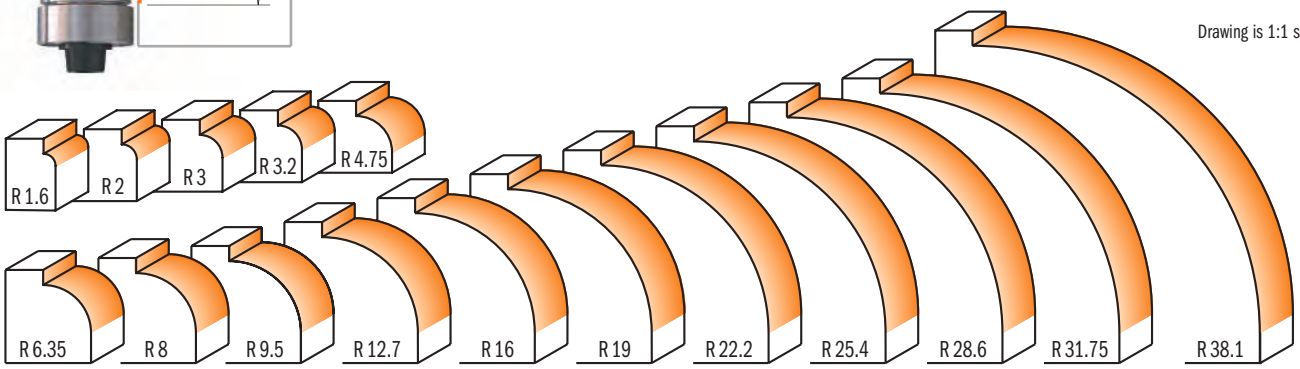
All CMT roundover bits provide a wide variety of profiles to create beautiful decorative edgework on furniture or boats. Lower the bit to expose the straight part of the cutting edge in this way you can apply a decorative edge to tables, shelves and beams.

SHOP TIPS: use the 1.6mm radius roundover bit for finishing laminates.
A simple height adjustment helps save time on finishing.

SAFETY TIPS: use caution when working with large diameter bits and make more than one pass to gradually remove stock.

SHOP TIPS: after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Drawing is 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			
1.6	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	**738.167.13**	**838.167.11**	**938.167.13**			990.423.00	791.003.00	990.058.00	991.057.00
3	18.7	12.7	10	**738.187.13**	**838.187.11**	**938.187.13**			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***	990.425.00	791.004.00	990.058.00	991.057.00
31.75	82.5	44.4	5				**938.994.11***	**838.994.11***	990.425.00	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

Spare parts: **541.550.00** 1.6mm spacers (8/938.993.11 and 8/938.994.11)

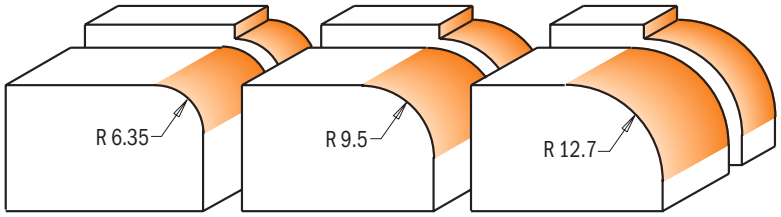
***For use on router tables only.**



Roundover Set

838

HW | Z2 | RH



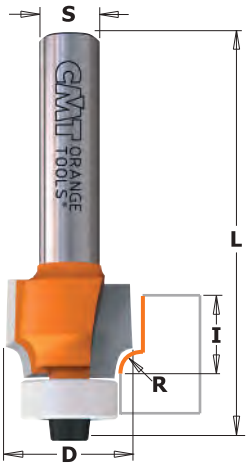
Drawing is 1:1 scale

DESCRIPTION		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø12.7mm
Roundover set	5	**838.001.11**	**838.501.11**

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.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Corner Rounding Bits for composites and laminates

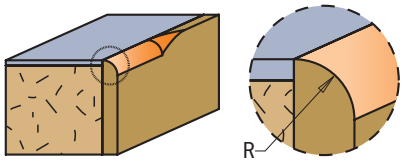


7/8/938

These bits represent the ultimate in the extensive line of CMT rounding over bits. Work a wide variety of tough, abrasive materials including composites, particleboard, MDF (both raw or with melamine), veneer and hardwoods.
The DELRIN® bearing is perfect for ensuring smooth flawless results on your laminate and Abs surfaces.
No further filing is needed!

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
- ABS
- MDF
- Plastic



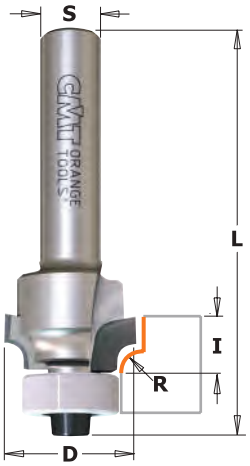
Spare parts
DELRIN®
791.044.00

R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm		
1	14.7	10	10		838.147.11	938.147.11		
2	16.7	12.7	10	738.167.11		938.167.11		
3	18.7	12.7	10	738.187.11		938.187.11		

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
990.422.00	791.044.00	990.058.00	991.057.00

DP - Corner Rounding Bits for composites and laminates



938 XTREME

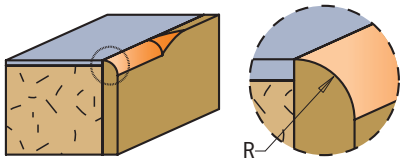
These new super duty DP (polycrystalline diamond) bits represent the ultimate in the extensive line of CMT rounding over bits. These bits save you both time and money, as they last 40 times longer than conventional bits. Work a wide variety of tough, abrasive materials including composites, particleboard, 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



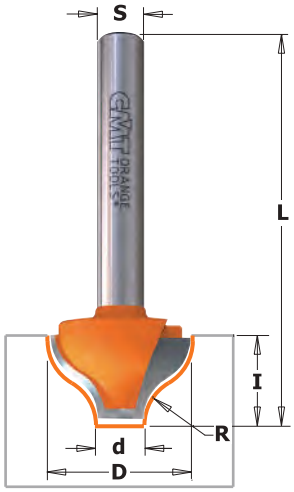
R mm	D mm	I mm				ORDER NO. S=Ø8mm		
2	16.7	8	10			938.167.61		
3	18.7	8	10			938.187.61		

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

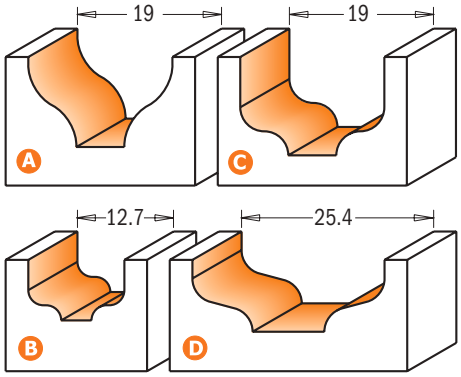
°791.044.00 DELRIN® Bearing

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

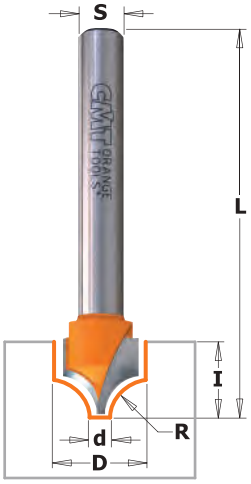


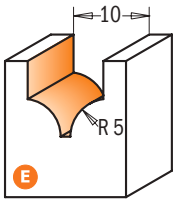
7/8/965

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.



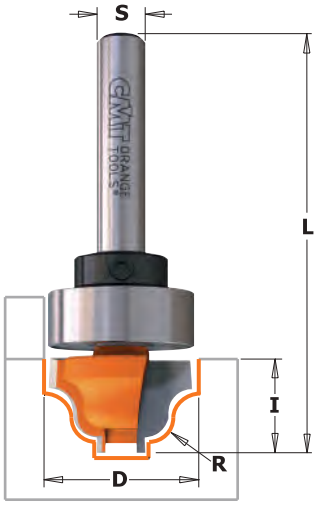
Drawing is 1:1 scale





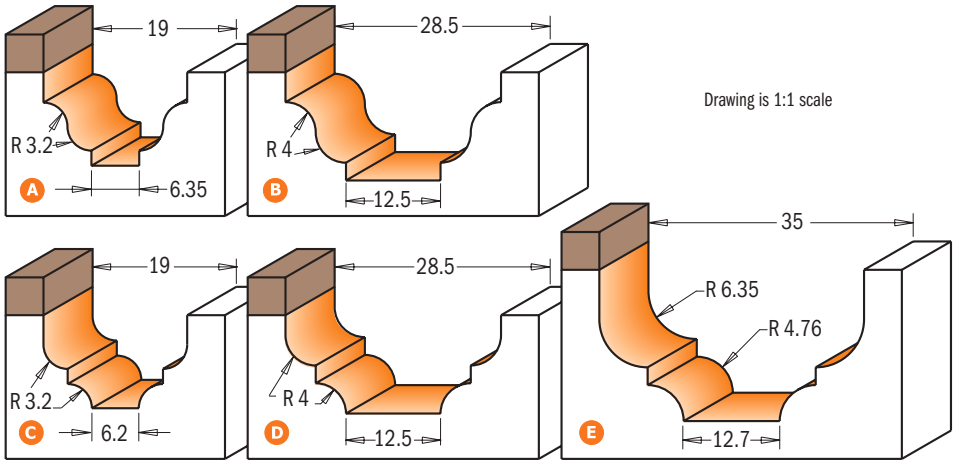
Drawing is 1:1 scale

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**		



7/8/965B

This bit equipped with a bearing fixed on the shank gives you even more decorative possibilities such as inlays and groove work on furniture panels, vitrines, and drawer fronts. A wide flat bottom cut and positioning just above the wood surface, lets you see the results immediately.



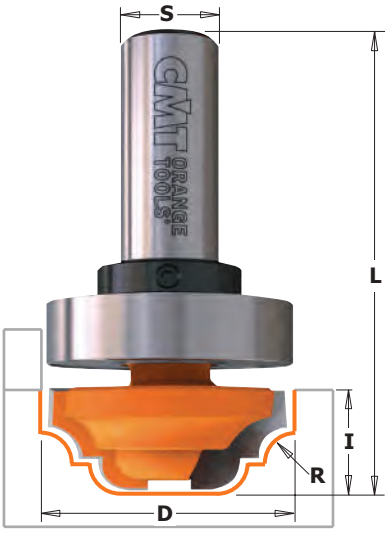
Drawing is 1:1 scale

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
19	3.2	12.3	54	A	10	**765.201.11B**				
19	3.2	12.3	54	A	10		**865.201.11B**			
28.6	4	14.3	58.8	B	10			**965.202.11B**		
28.6	4	14.3	58.8	B	10				**965.702.11B**	
28.6	4	14.3	58.8	B	10					**865.702.11B**
19	3.2	12.3	54	C	10	**765.301.11B**				
19	3.2	12.3	54	C	10		**865.301.11B**			
28.6	4	13.3	58	D	10			**965.302.11B**		**865.802.11B**
28.6	4	13.3	58	D	10				**965.802.11B**	
34.9	4.76 - 6.35	18.5	66.1	E	10			**965.303.11B**		
34.9	4.76 - 6.35	18.5	66.1	E	10					**865.803.11B**

Spare parts

791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.027.00	541.002.00	991.056.00
791.027.00	541.005.00	991.056.00
791.027.00	541.002.00	991.056.00
791.007.00	541.003.00	991.056.00
791.004.00	541.001.00	991.056.00
791.027.00	541.002.00	991.056.00
791.027.00	541.005.00	991.056.00
791.031.00	541.004.00	991.056.00
791.029.00	541.002.00	991.056.00

Spare parts: **990.005.00** M3x3mm TSEI screw



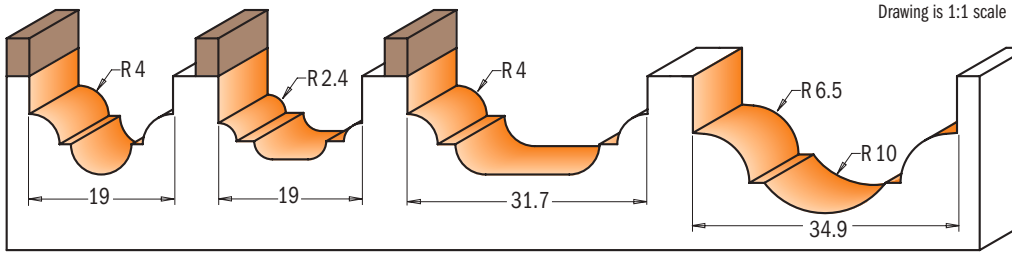
7/8/948 - 7/8/948B

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.

SHOP TIPS: for even more options, try the CMT plunge ogee with bearing for precision profiling. The bearing guarantees excellent decorative edgework.

Drawing is 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

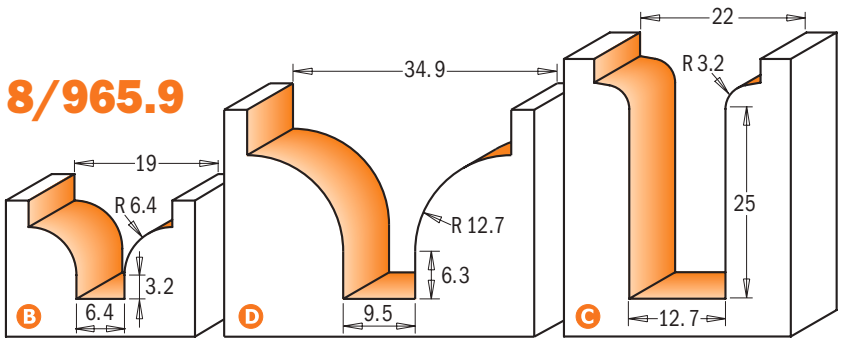
Decorative Ogee Bits



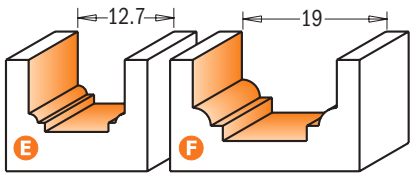
This new CMT bit produces a classic single or double edged bead.
Ideal for creating a marked decorative effect on panel, door and drawer work.

HW | Z2 | RH

8/965.9



Drawing is 1:1 scale



7/8/965.1



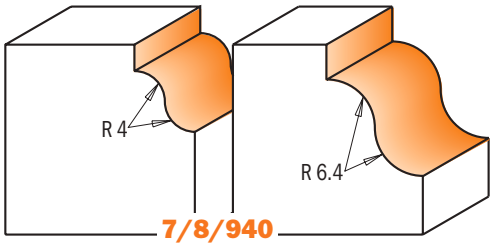
D mm	d mm	R mm	I mm	L mm	PROFILE		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
12.7	8.4	1.2	12.7	50.8	E	10	765.101.11	865.101.11	965.101.11		
19	11.1	2.4	11	50.8	F	10	765.102.11	865.102.11	965.102.11		
19	6.4	6.4	13	51	B	10				965.903.11	865.903.11
22	12.7	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

Roman Ogee Bits

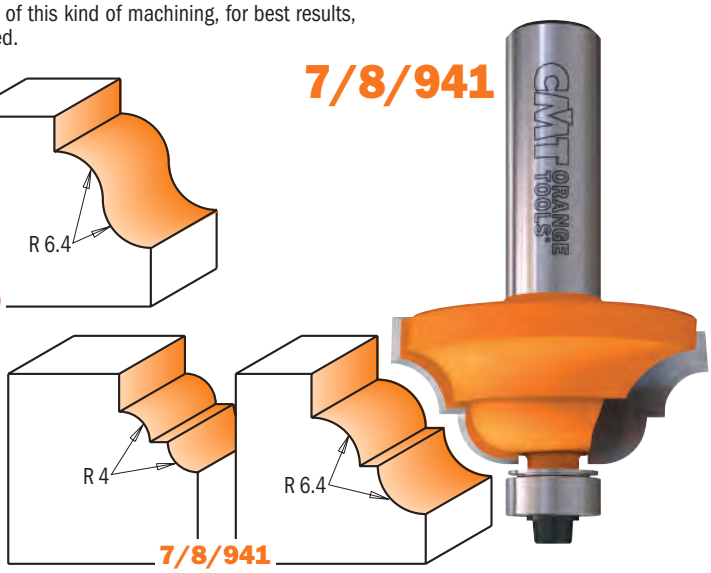


The roman ogee may be the most popular edge treatment in woodworking, and it is certainly one of the most beautiful and varied in classic design.

SHOP TIPS: given the complexity of this kind of machining, for best results, multiple passes are recommended.



Drawing is 1:1 scale



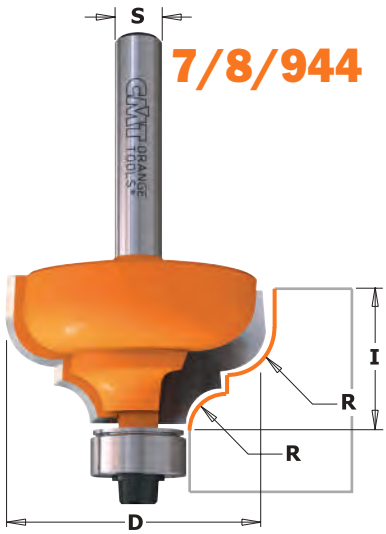
An extra horizontal cutting edge provides refined style and elegance to these tradizional profiles **7/8/940**.

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

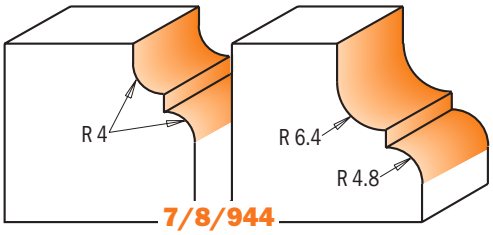
SHOP TIPS: after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

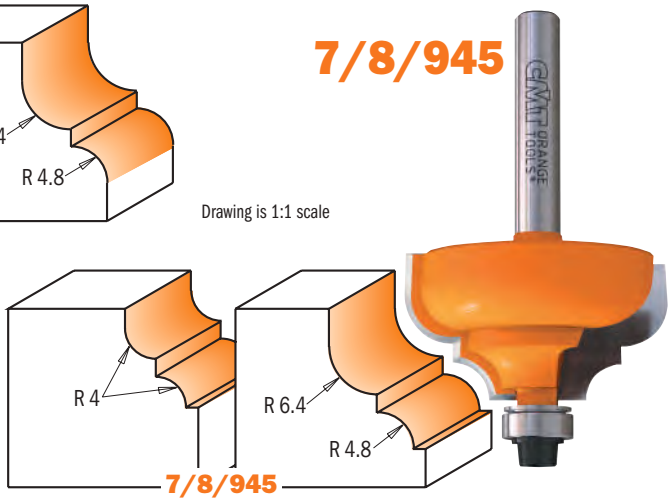
Classical Ogee Bits



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 attractive detail.

SHOP TIPS: this type of machining can be very challenging, for best results, multiple passes are recommended.





Drawing is 1:1 scale

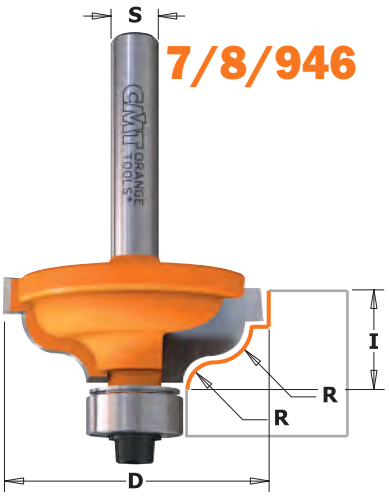
This profile includes a horizontal bead along the bottom of the profile adding a decorative detail to the traditional ogee design.

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: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

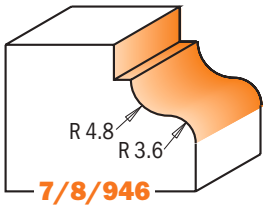
Ogee with Fillet Bits



7/8/946

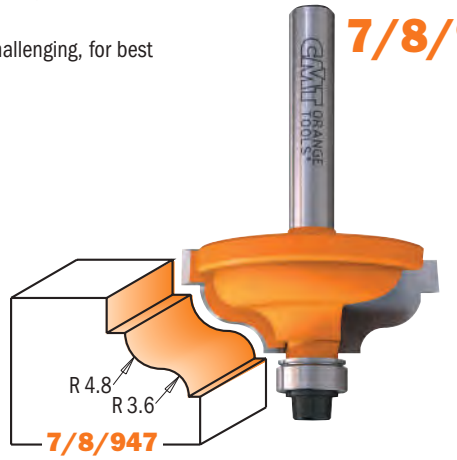
The new decorative possibilties with this bit are endless. Every bit is composed of the highest quality tungsten carbide and protected with our orange trademarked PTFE coating.

SHOP TIPS: this type of machining can be very challenging, for best results, multiple passes are recommended.



Drawing is 1:1 scale

7/8/947



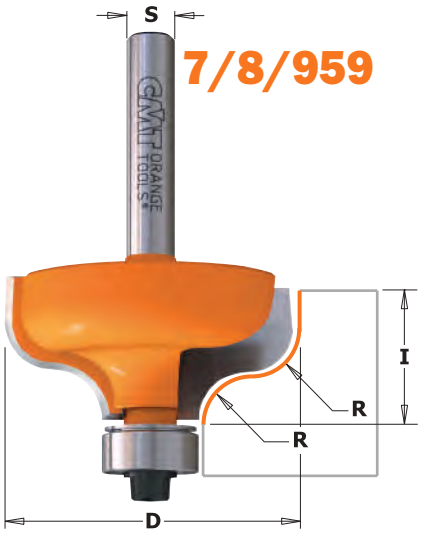
R mm	D mm	I mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
4.8-3.6	34.2	13	10	**746.325.11**	**846.325.11**	**946.325.11**	**946.825.11**	**846.825.11**
4.8-3.6	34.2	13	10	**747.325.11**	**847.325.11**	**947.325.11**	**947.825.11**	**847.825.11**

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

SHOP TIPS: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

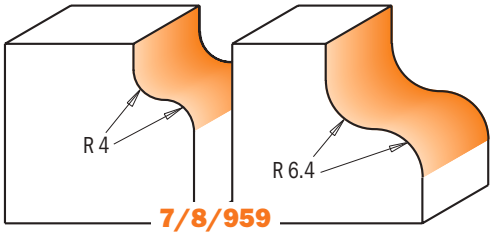
Ogee Bits



7/8/959

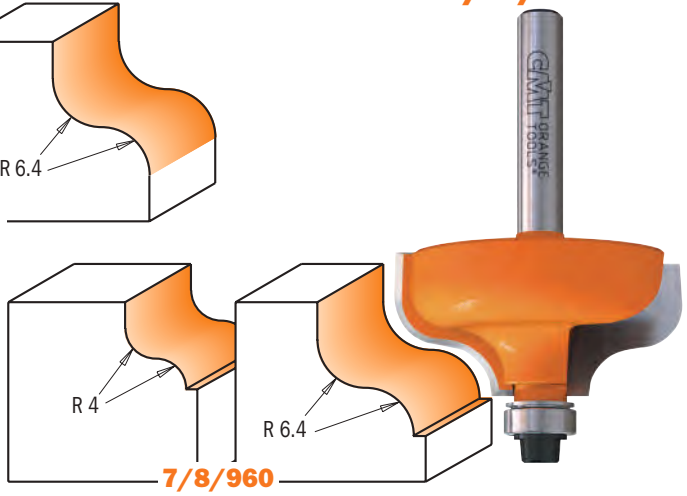
These profiles are the mirror image of the traditional roman ogee. They add sharp defining details to the edges of cabinets and furniture, before rolling into a smooth convex shape.

SHOP TIPS: this type of machining can be very challenging, for best results, multiple passes are recommended.



Drawing is 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
4	28.7	13	10	**759.040.11**	**859.040.11**	**959.040.11**	**959.540.11**	**859.540.11**
6.4	38.1	18	10	**759.064.11**	**859.064.11**	**959.064.11**	**959.564.11**	**859.564.11**
4	28.7	13	10	**760.040.11**	**860.040.11**	**960.040.11**	**960.540.11**	**860.540.11**
6.4	38.1	18	10	**760.064.11**	**860.064.11**	**960.064.11**	**960.564.11**	**860.564.11**

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
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

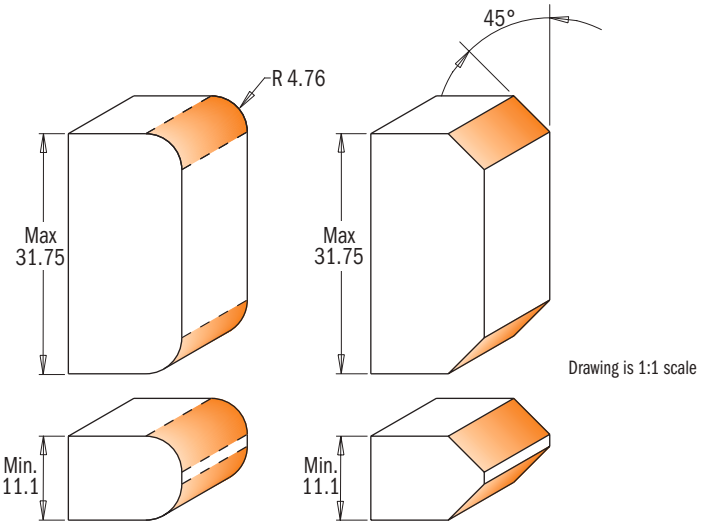
SHOP TIPS: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)



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.



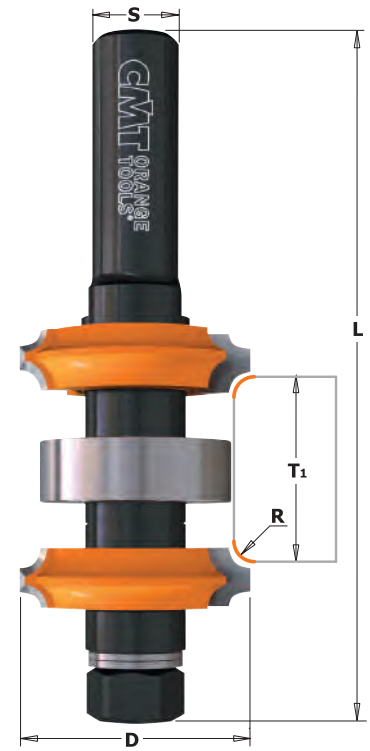
Drawing is 1:1 scale

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
541.515.00 0.1mm spacer
541.517.00 0.5mm spacer
541.518.00 1mm spacer
541.519.00 5.8mm spacer

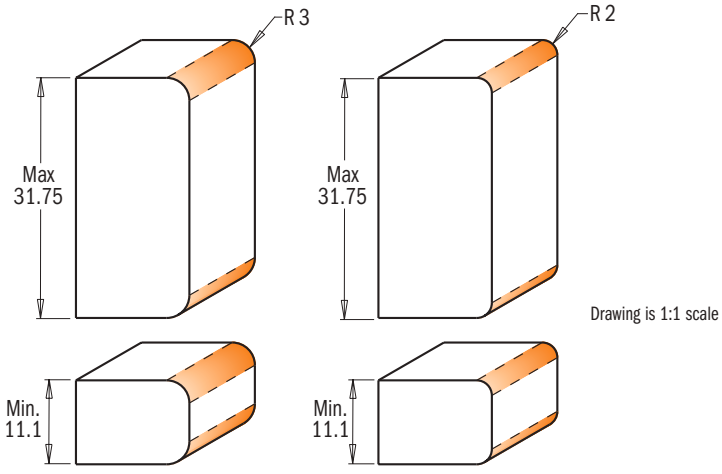


Adjustable Double Roundover Bits

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! To be used on table-mounted routers. Do not use these bits with hand-held power tools. Router tables only.



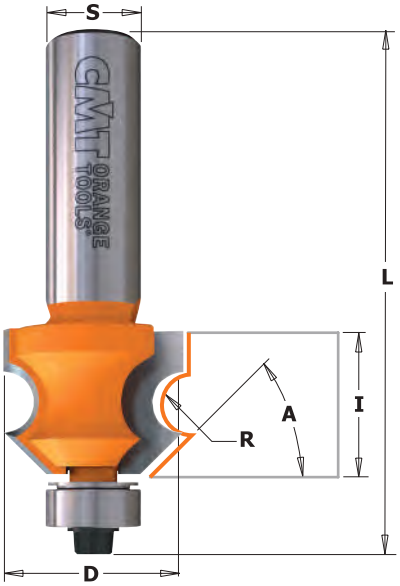
Drawing is 1:1 scale

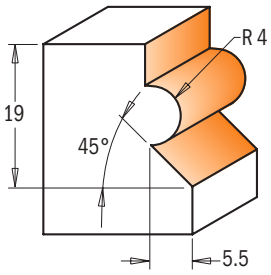
D mm	T1 mm	R mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
34	11.1 - 31.75	3 - 2	100	10	**900.622.11**	
34	11.1 - 31.75	3 - 2	100	10		**800.622.11**

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
541.501.00 4mm spacer
541.515.00 0.1mm spacer
541.516.00 0.3mm spacer
541.518.00 1mm spacer
541.519.00 5.8mm spacer

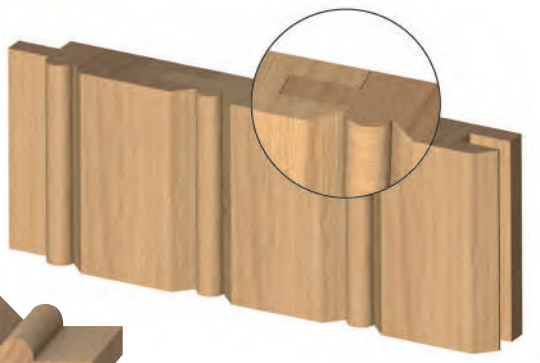




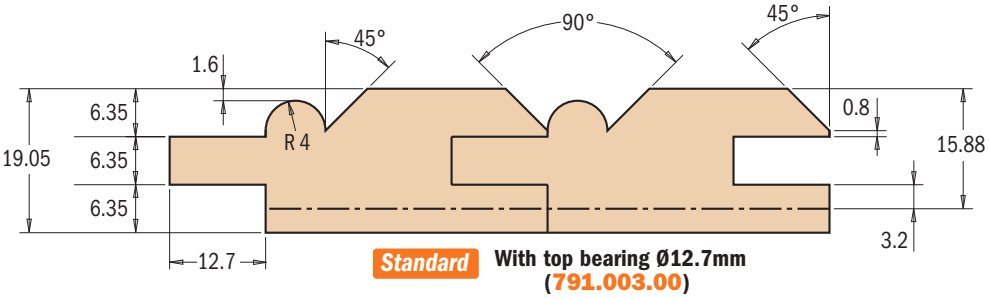
Drawing is 1:1 scale

8/961.6

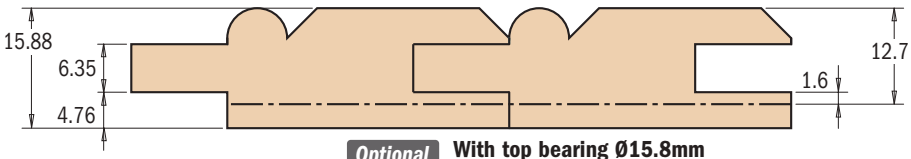
This new router bit designed for 19mm (3/4") thick stock is perfect for creating wainscots and panels on your walls. Simply create a 6.35mm (1/4") tongue-and-groove interlock with a CMT **8/900.626.11**, then, with two passes mill an attractive traditional beadboard profile with this new bit.
Perfect for cabinets, bookcase backings, ceiling and wall paneling.







Standard **With top bearing Ø12.7mm (791.003.00)**



Optional **With top bearing Ø15.8mm (791.018.00)**

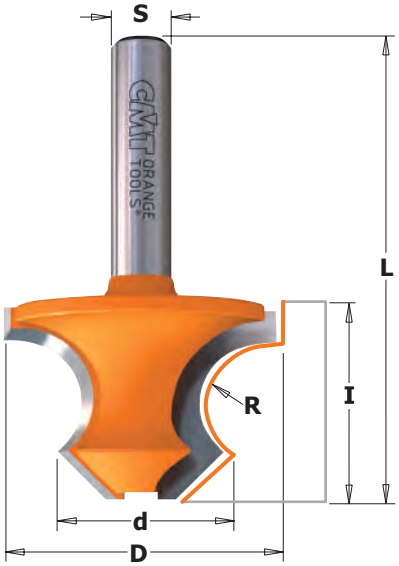
D mm	I mm	R mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
23.8	19.05	4	45°	67.7	10	**961.601.11**	**861.601.11**

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

SHOP TIPS: after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

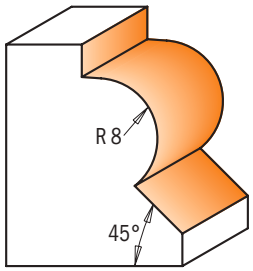
Corner Beading Bit with 45° Chamfer



954

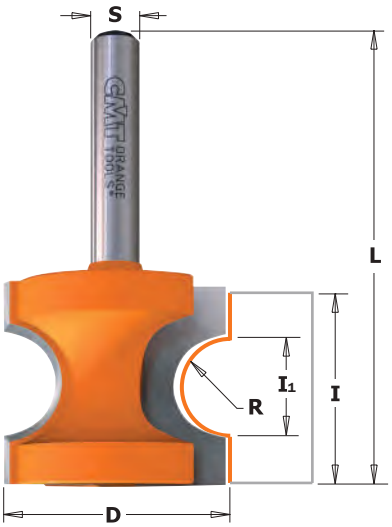
An innovative bit to create beautiful edges and corner beads.

SAFETY TIPS: to be used only on CNC machines or router tables equipped with a fence.



Drawing is 1:1 scale

D mm	d mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm	
36	22	25	8	60	10	**954.080.11**	

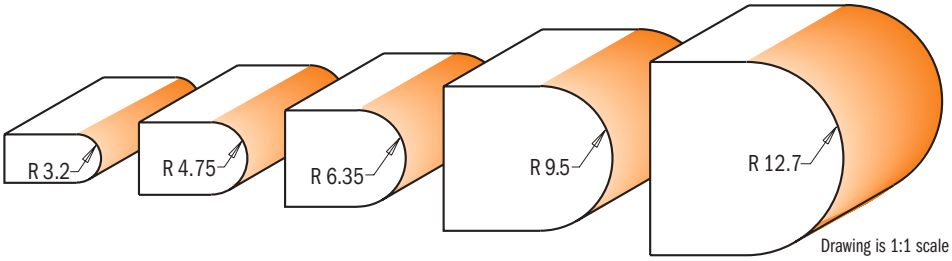


7/8/954

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.

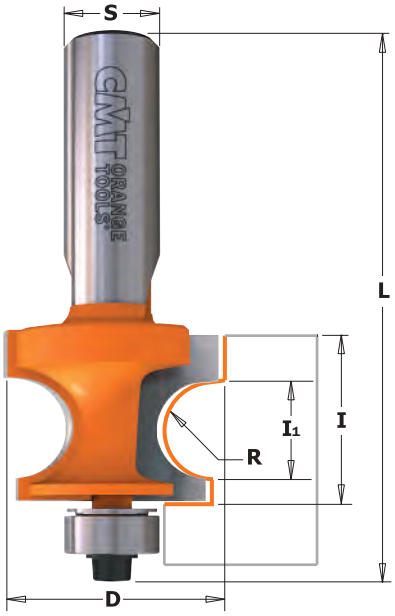
SAFETY TIPS: to be used only on router tables equipped with a fence except in the case
Do not remove the workpiece while the bit is routing.



Drawing is 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**

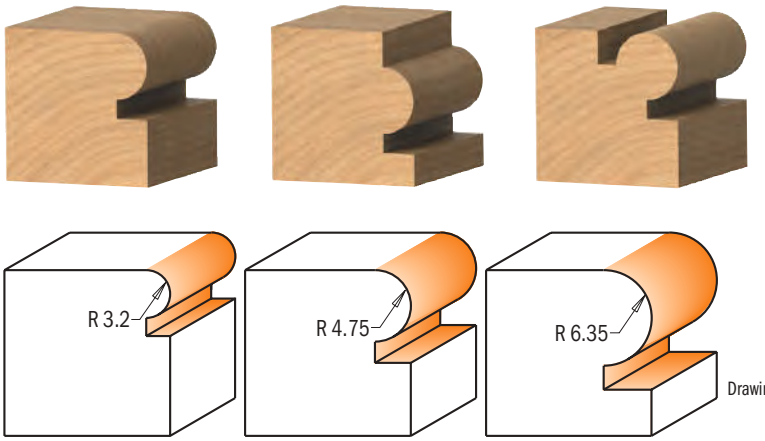
Corner Beading Bits



7/8/961

HW α 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.



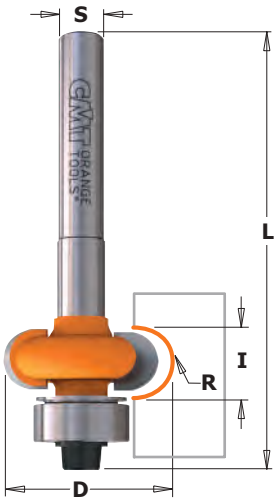
Drawing is 1:1 scale

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	6.50	15	57.7	10	**761.032.11**	**861.032.11**	**961.032.11**		
3.2	22.2	6.50	15	64	10				**961.532.11**	**861.532.11**
4.75	25.4	9.68	18.6	61.2	10	**761.048.11**	**861.048.11**	**961.048.11**		
4.75	25.4	9.68	18.6	67.6	10				**961.548.11**	**861.548.11**
6.35	28.6	12.86	22.2	64.8	10	**761.064.11**	**861.064.11**	**961.064.11**		
6.35	28.6	12.86	22.2	71.7	10				**961.564.11**	**861.564.11**

Spare parts: **991.057.00** 3/32" hex key

Spare parts

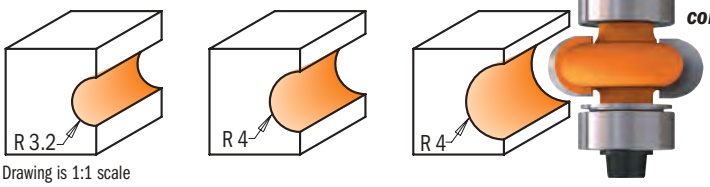
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00
990.423.00	791.003.00	990.058.00



7/862

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.

HW Z2 RH



Drawing is 1:1 scale



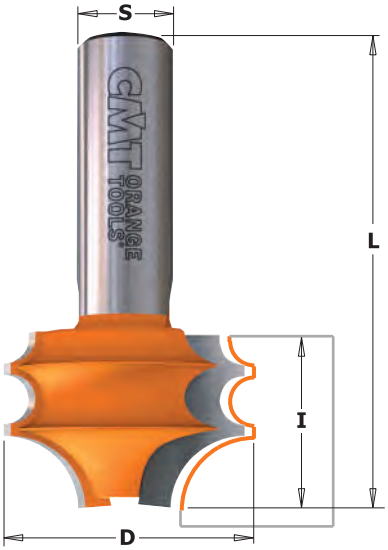
For top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)

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



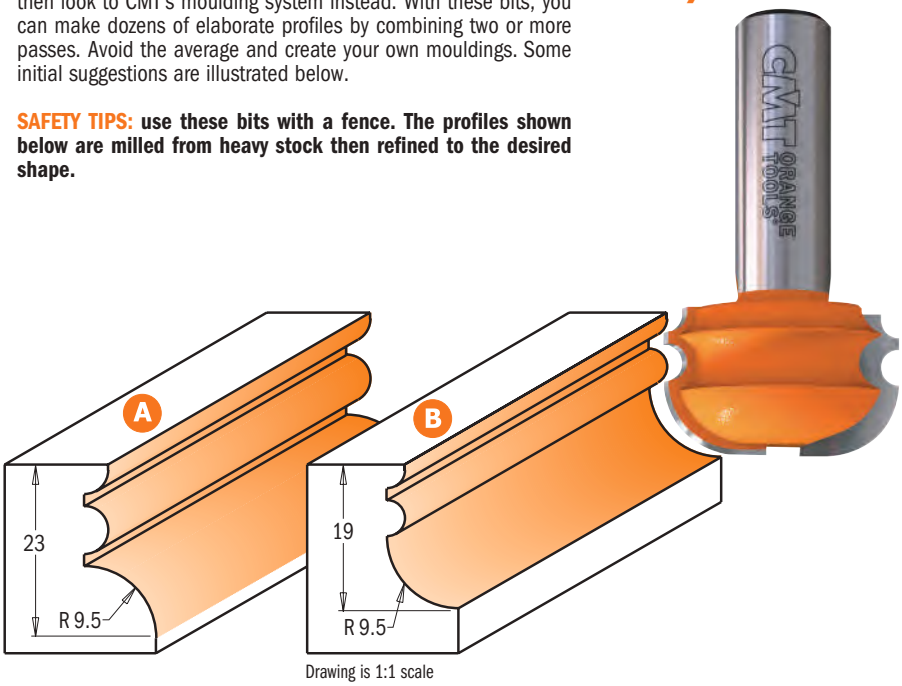
8/956.852

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.

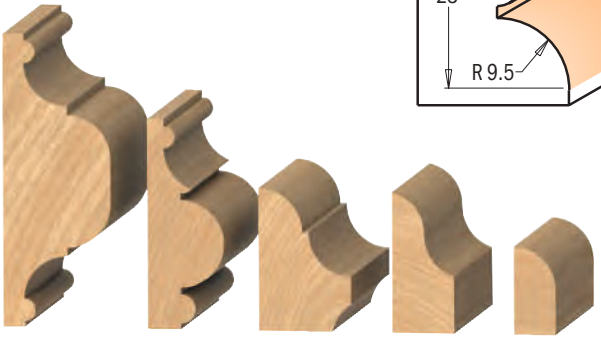
SAFETY TIPS: use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.

HW Z2 RH

8/956.851

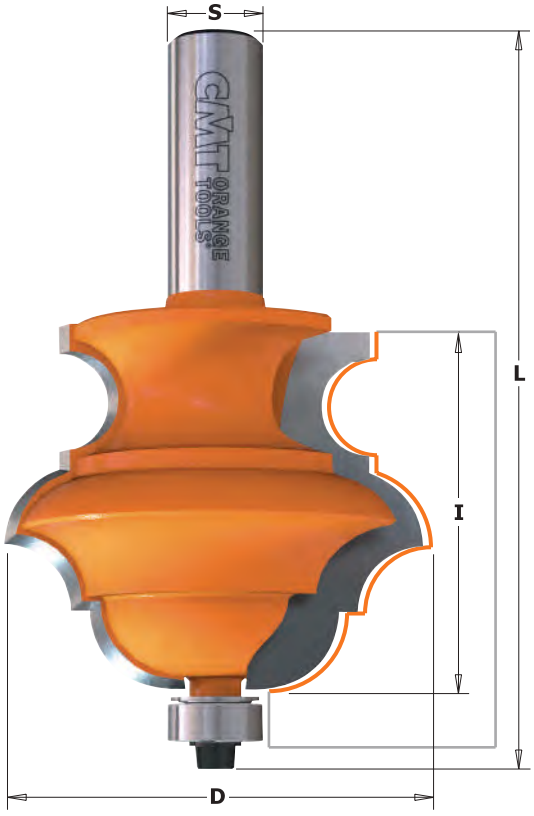


Drawing is 1:1 scale



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**

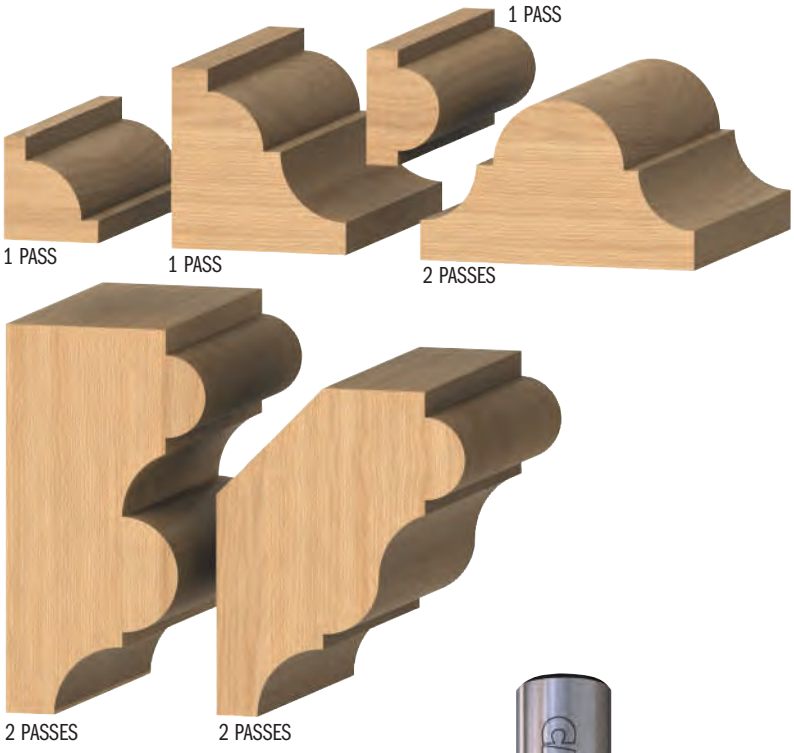


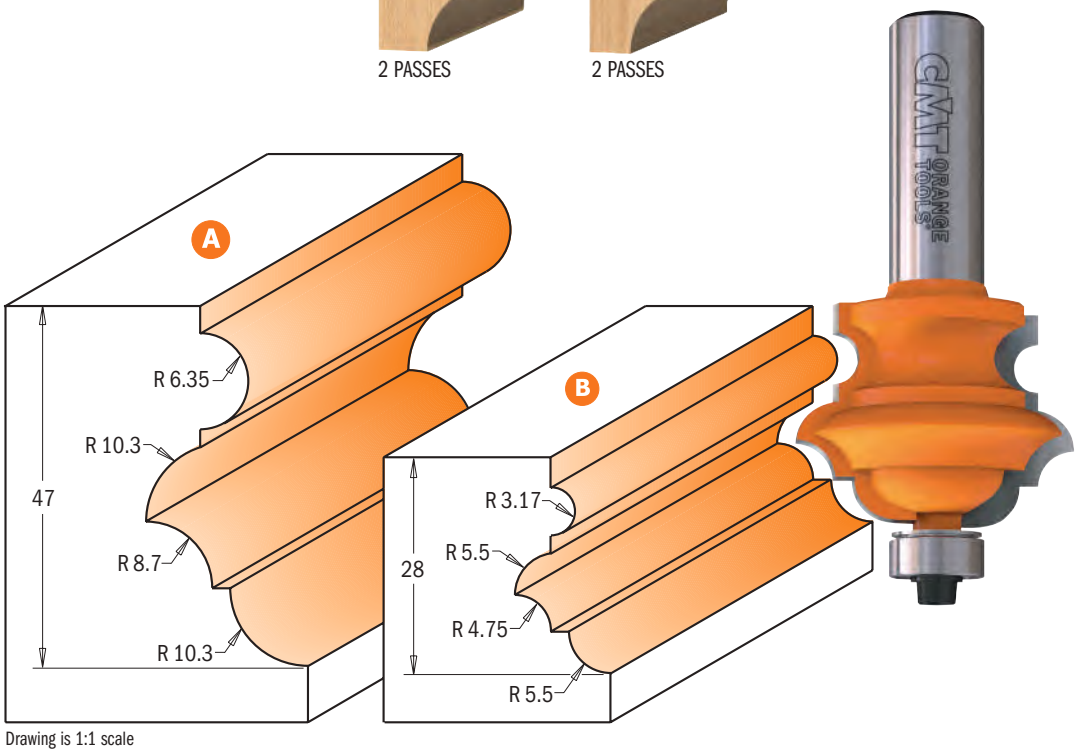
8/956.8

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 micro-grain 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 large stock, removing excess material as you work as this will facilitate easier control. Keep hands far from the bit when working.





Drawing is 1:1 scale

PROFILE	D mm	I mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
A	55.6	47	96.4		5	**956.802.11**	**856.802.11**
B	38.1	28	77.5		10	**956.801.11**	**856.801.11**

Spare parts

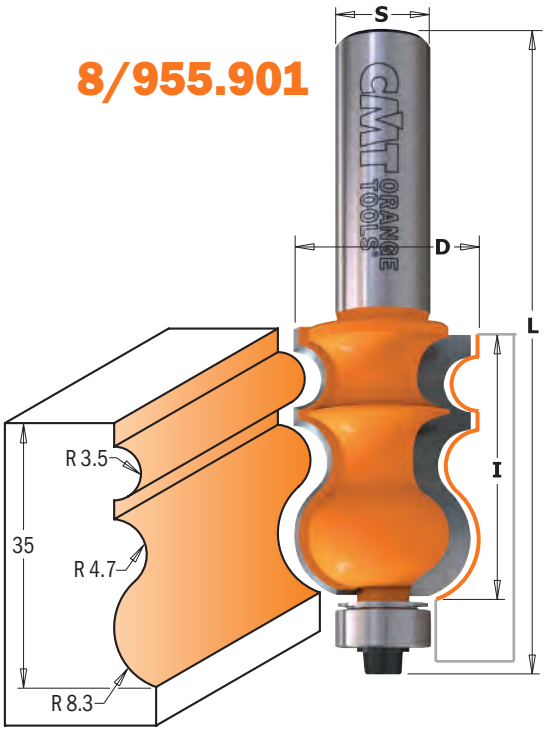
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

For best results use these bits with 1800W routers. It is possible to use 1100W routers but only for brief passes that are short in depth.

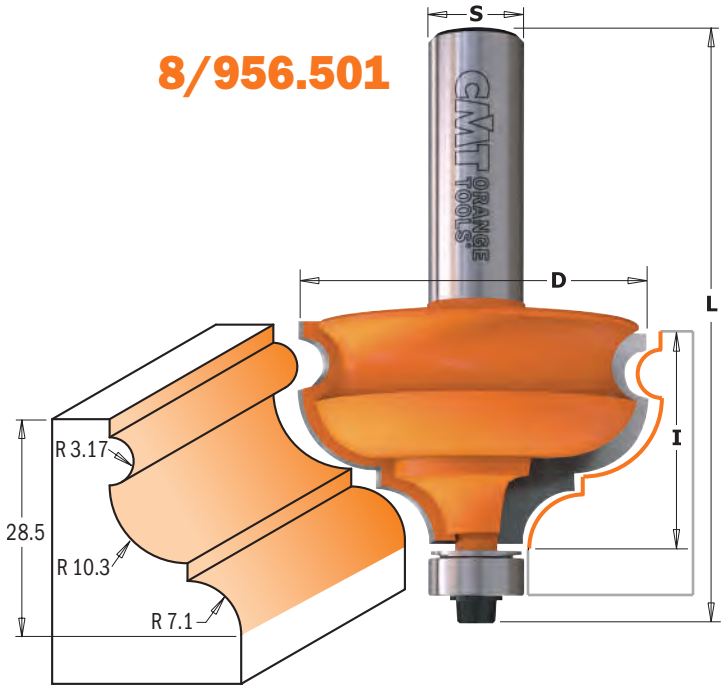
SHOP TIPS: multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

SAFETY TIPS: **all large diameter bits such as these should be used with caution and on router tables equipped with a fence. When possible, reduce the RPM.**

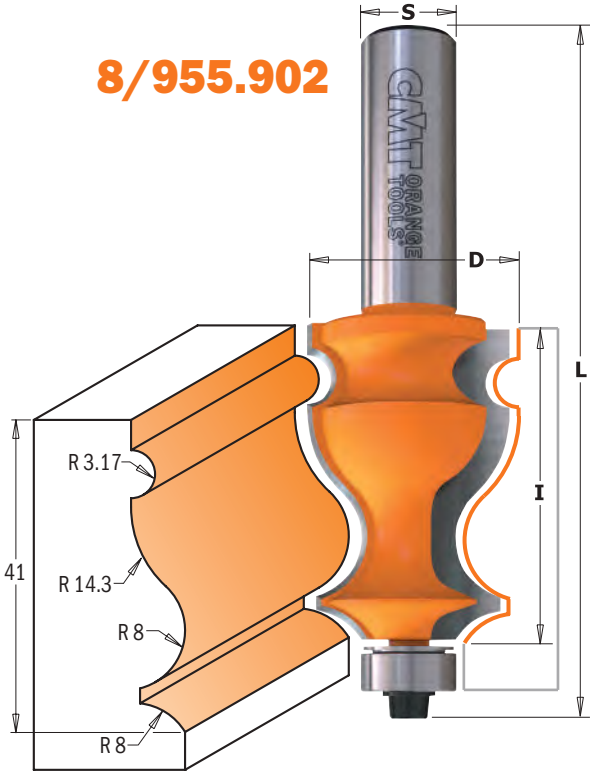
8/955.901



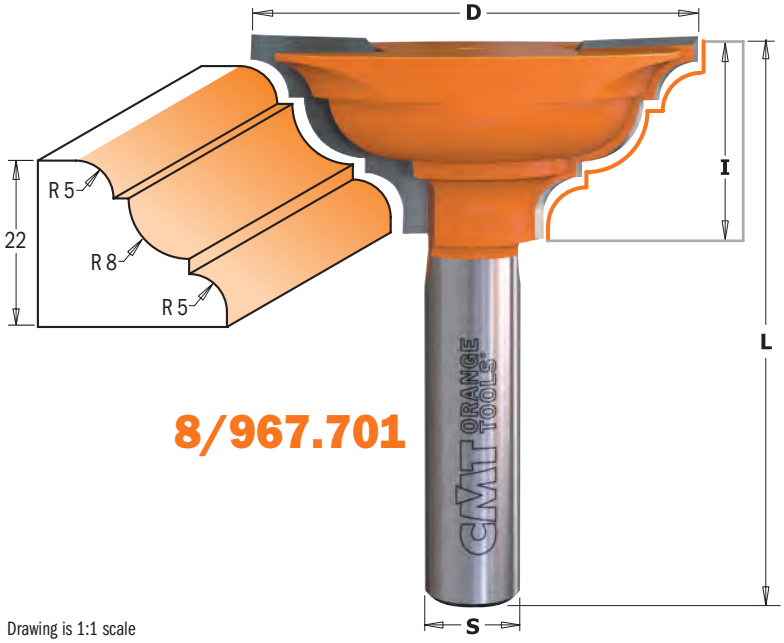
8/956.501



8/955.902



8/967.701



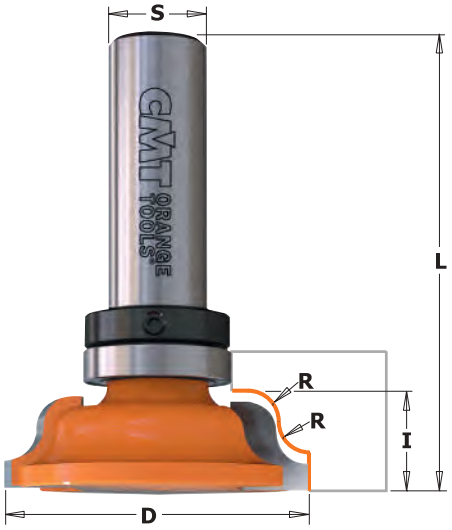
Drawing is 1:1 scale

D mm	I mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
23.8	35	83.8			10	**955.901.11**	**855.901.11**
27	41	90.2			10	**955.902.11**	**855.902.11**
47.5	28.5	77.4			10	**956.501.11**	**856.501.11**
59	25.4	73.5			10	**967.701.11**	**867.701.11**

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

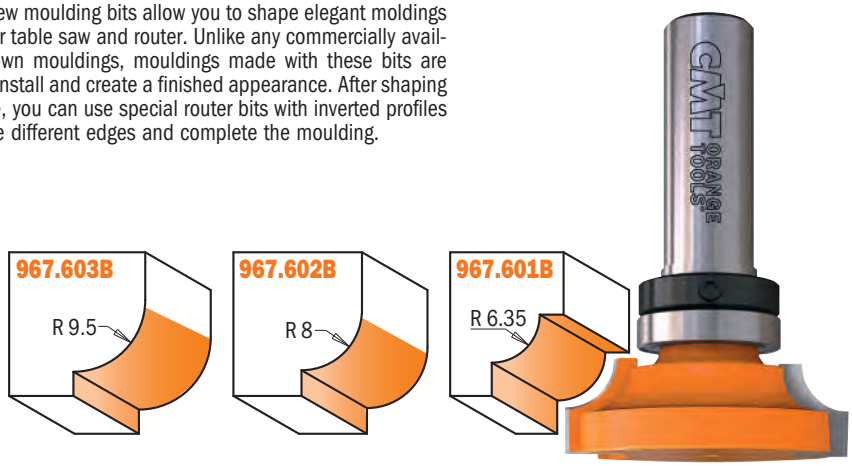
SHOP TIPS: after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

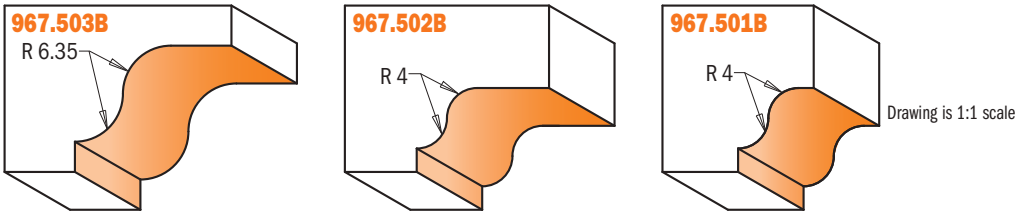


967.5B - 967.6B

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.





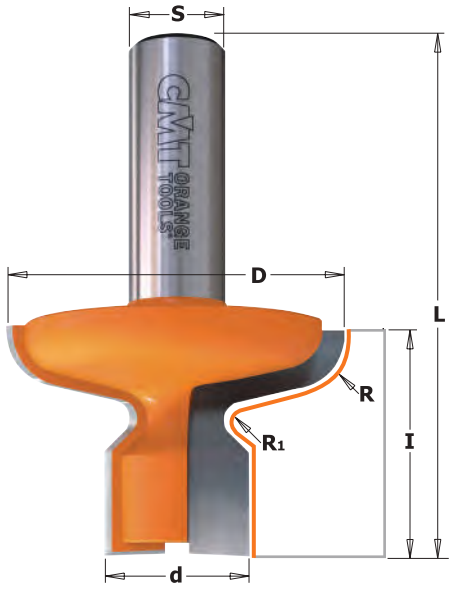
Drawing is 1:1 scale

R mm	D mm	I mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	
4	39	11.5	57	10	967.001.11B	967.501.11B	
4	54	11.5	65.9	10		967.502.11B	
6.35	60.5	17.3	71.7	5		967.503.11B	
6.35	38	12.5	57	10		967.601.11B	
8	35	13.2	57.7	10	967.102.11B	967.602.11B	
9.5	38	14.5	59	10	967.103.11B	967.603.11B	

Spare parts

791.011.00	541.002.00	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00

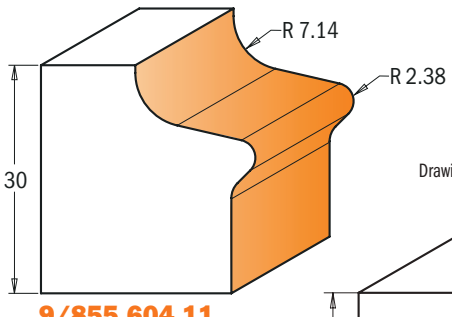
Door Lip Bit & Finger Grip Bit



8/955.604-606

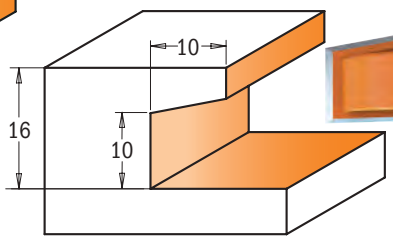
HW Z2 RH

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

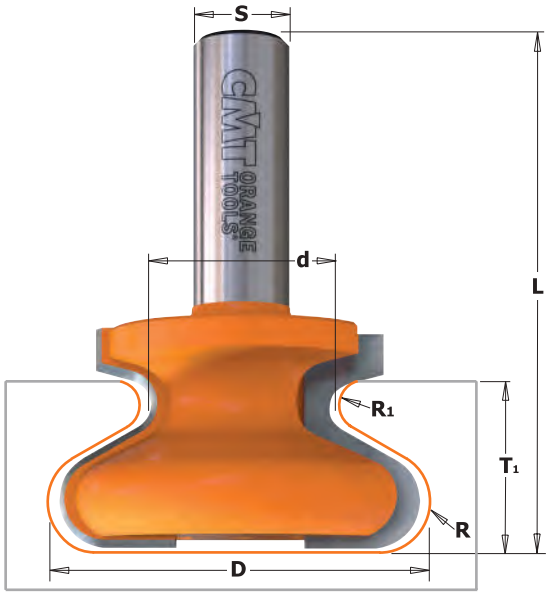
Drawing is 1:1 scale



9/855.606.11



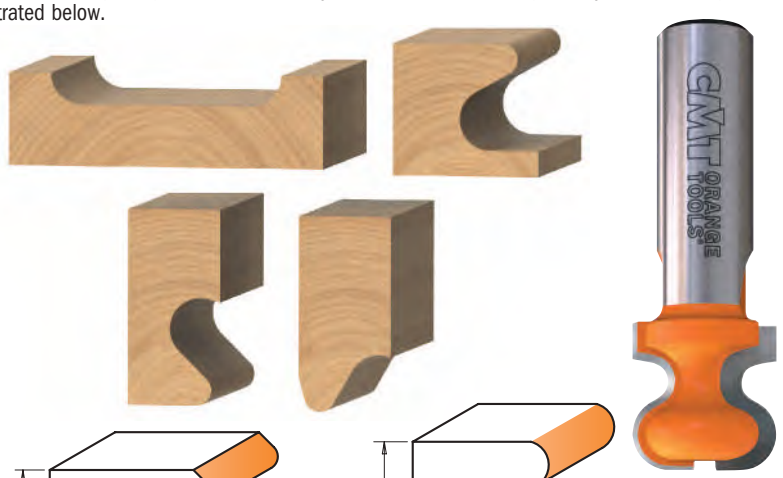
D mm	d mm	I mm	R mm	R1 mm	L mm				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
36	16	16			60	10			955.606.11	855.606.11
47.6	22.2	30	7.14	2.38	66.6	10			955.604.11	855.604.11

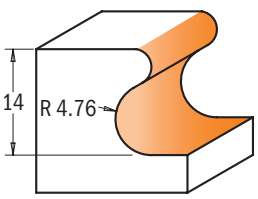


8/955

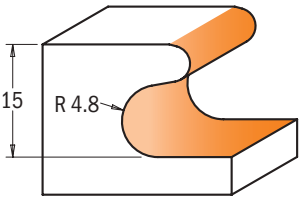
HW Z2 RH

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.

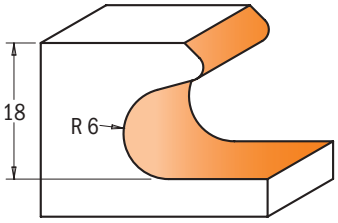




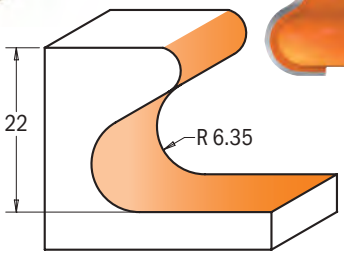
955.102.11
855.602.11



955.105.11
955.605.11
855.605.11



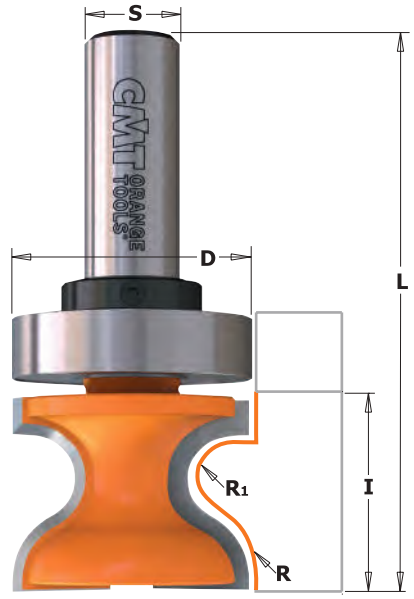
955.103.11
855.603.11



955.601.11
855.601.11

Drawing is 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	15	20	4.8	2.3	60	10	**955.105.11**	**955.605.11**	**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**

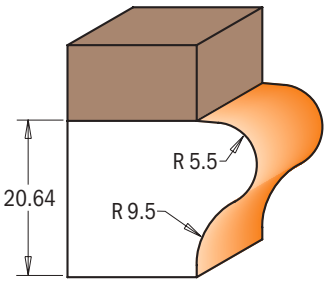


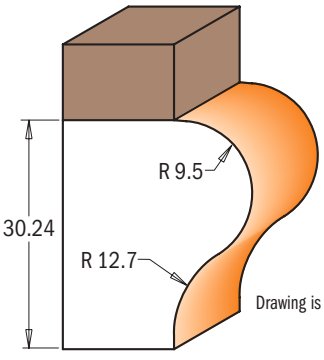
Window Sill & Finger Bits

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.



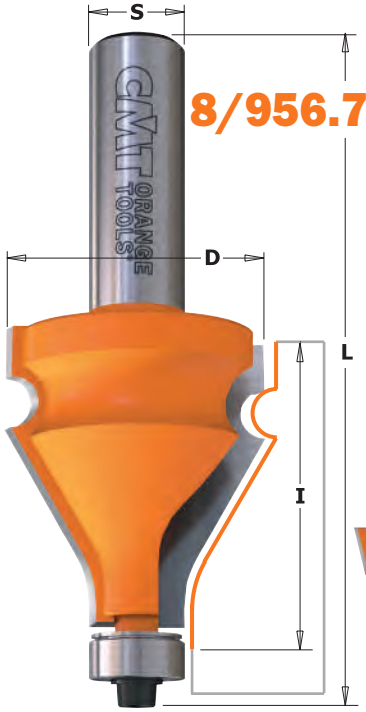


Drawing is 1:1 scale

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

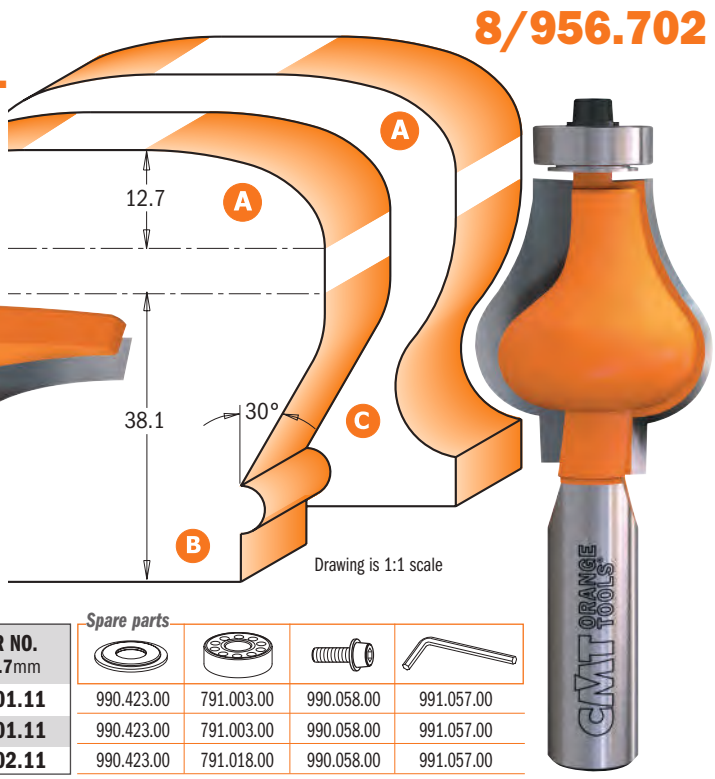


HW Z2 RH

The **8/956.601.11** guarantees well-proportioned smooth curves. Complete the job with the **8/956.701.11** bit featuring a 30° bevel edge and a 3.2mm bead for beautifully functional hand rails.

SAFETY TIPS: these profile bits remove large amounts of stock and produce consistent quantities of dust. We recommend using a vacuum to keep the work area safe.





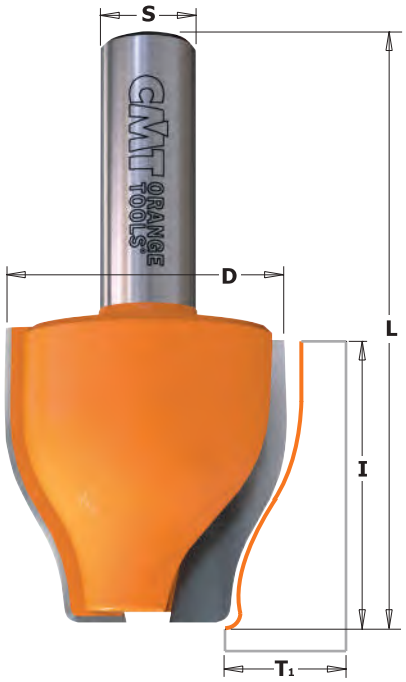
PROFILE	D mm	I mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
A	63.5	19	67.9	5	**956.601.11**	**856.601.11**
B	35	38	87	10	**956.701.11**	**856.701.11**
C	31.7	38.1	87	10	**956.702.11**	**856.702.11**

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: after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Vertical Raised Panel Bits

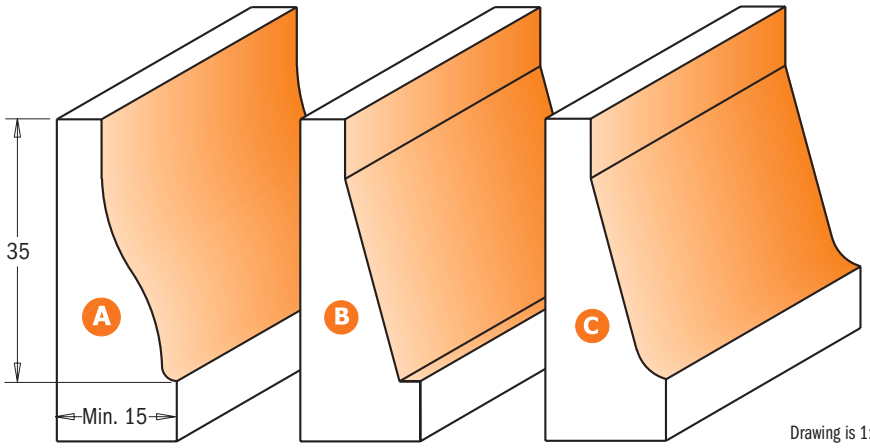


8/990.6

HW Z2 RH

Use a sturdy 90° angle fence on your router table along with 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.

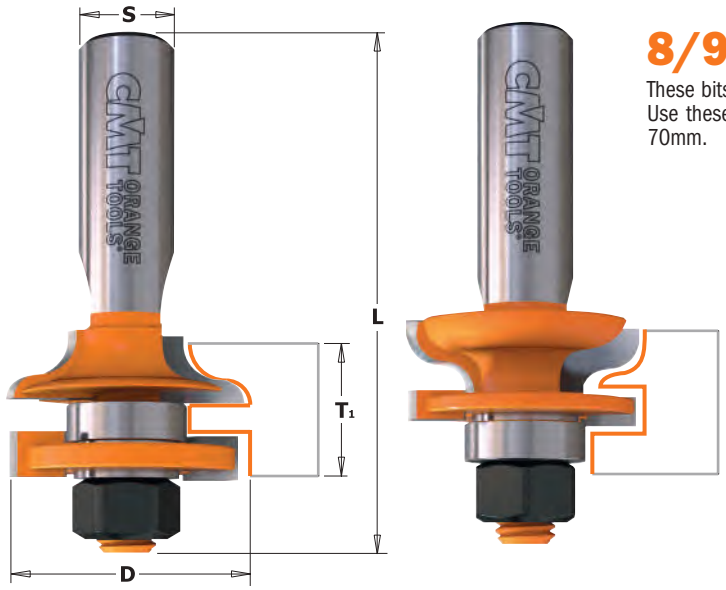
SAFETY TIPS: the template must be at least 150mm and clamps should be used whenever possible. Three to five passes are recommended to safely and accurately obtain the profile you desire.



Drawing is 1:1 scale

PROFILE	D mm	I mm	T_1 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**

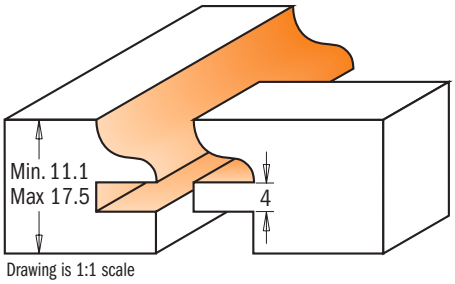
Junior Ogee Rail & Stile Set



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 17.5mm thick, and build doors as small as 70mm.



Drawing is 1:1 scale

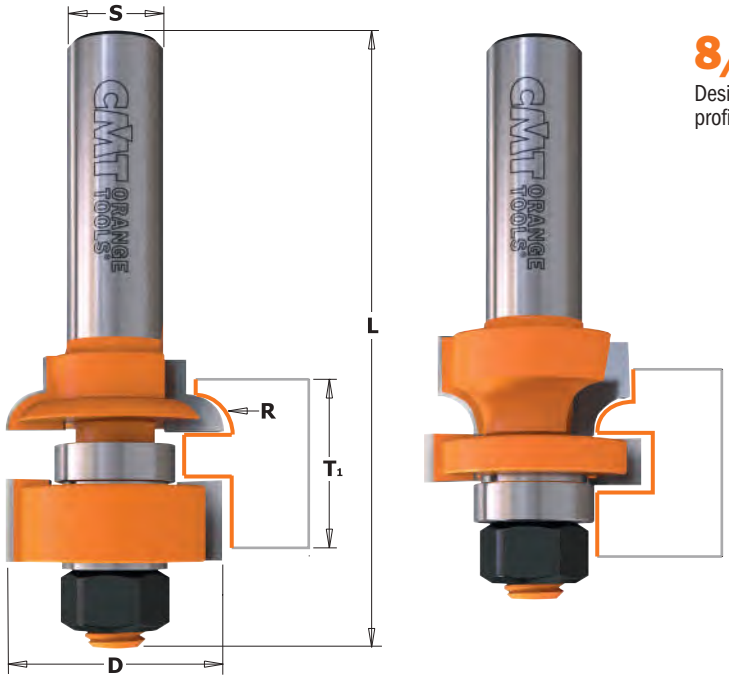
D mm	T1 mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
31.75	11.1 ÷ 17.5	67	5		991.517.11	891.517.11

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

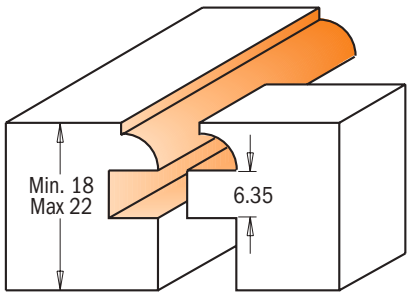
Rail & Stile Set



8/991

HW α Z2 RH

Designed for fine furniture construction, these bits mill a delicate 4.8mm thumbnail profile in stock from 18mm to 22mm.



Drawing is 1:1 scale

D mm	T1 mm	R mm	L mm		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
28.7	18 ÷ 22	4.8	79.2	10	991.012.11	891.512.11

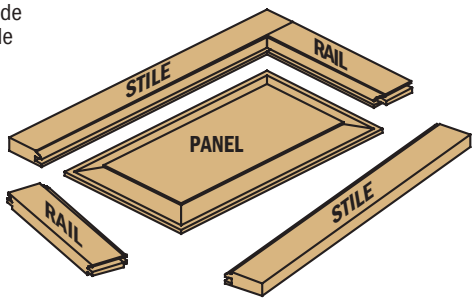
Spare parts

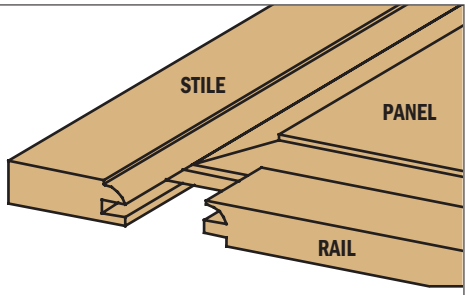
6.35mm	10.8mm		
822.011.11	822.012.11	791.025.00	990.020.00

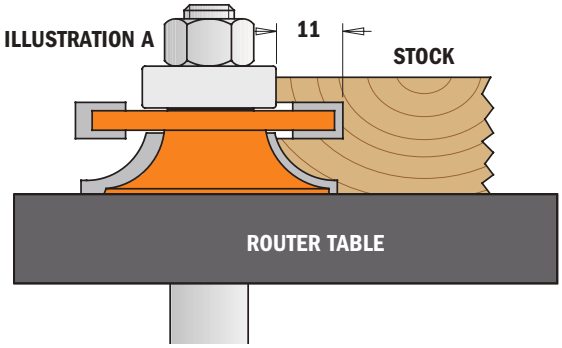
Spare parts: **541.515.00** 0.1mm spacer
541.516.00 0.3mm spacer
541.518.00 1.0mm spacer

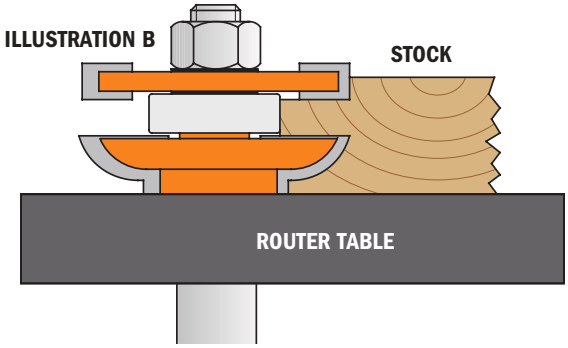
In our step-by-step example of panel door construction, we used the following:
- CMT Rail & Stile set (item **891.502.11**)
- CMT Reverse Glue Joint (item **855.501.11**)
- pre-cut to length stiles - 19mm thick x 57mm wide
- pre-cut to length rails - 19mm thick x 57mm wide
- panel - 16mm thick
- scrap 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.







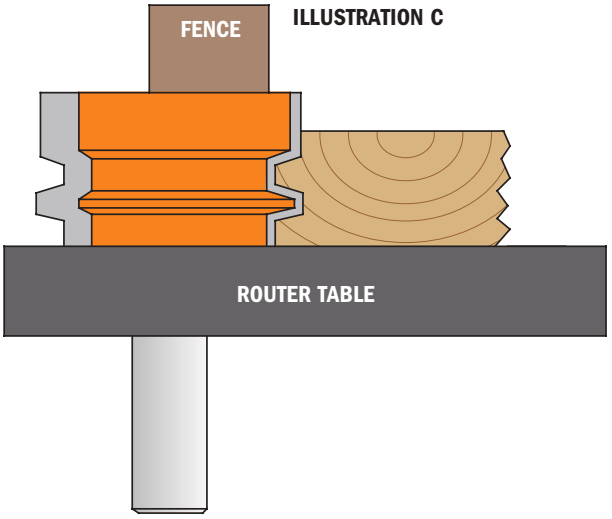


MILLING THE RAILS AND STILES

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

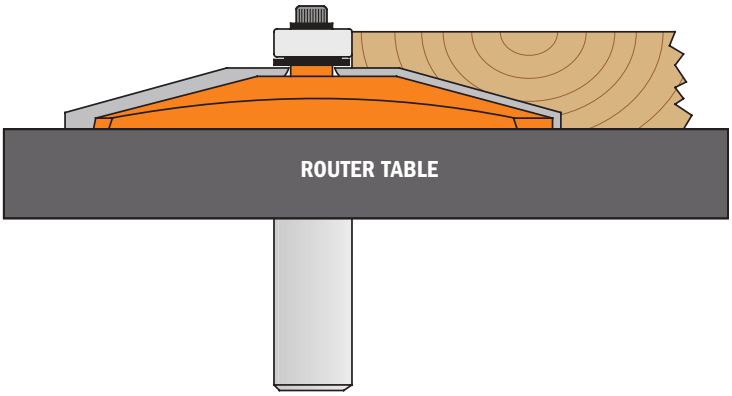
GLUEING UP PANELS

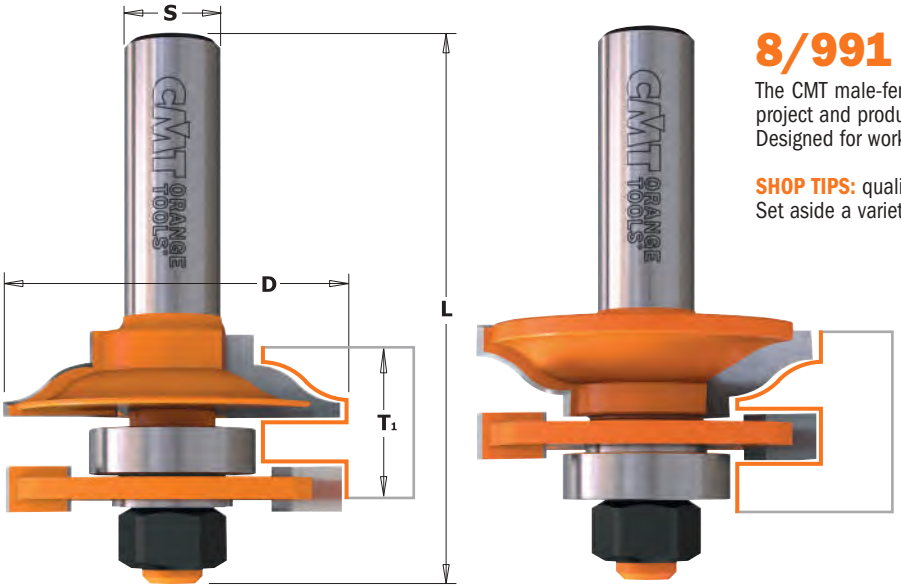
If the panel requires a width greater than the width of your stock, you will need to edge glue stock for the central floating panel. This is accomplished by simply using the CMT Reverse Glue Joint bit. For making a two panel glue joint, place the first panel front face-down on the router table and accurately 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.





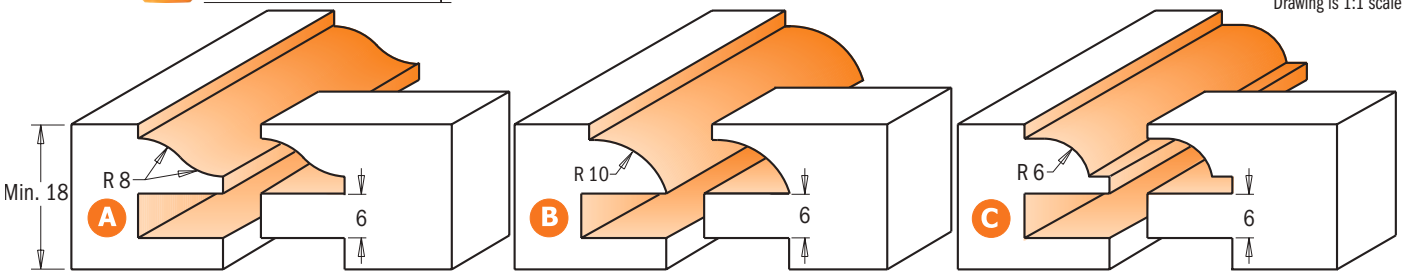
8/991

HW | α | Z2 | RH

The CMT male-female rail and stile sets are a perfect pair for this particular project and produce clean, precise and well-crafted joints.
Designed for working in stock from 18mm to 22mm.

SHOP TIPS: quality workmanship is the result of a lot of trial and error. Set aside a variety of small pieces for trial cuts.

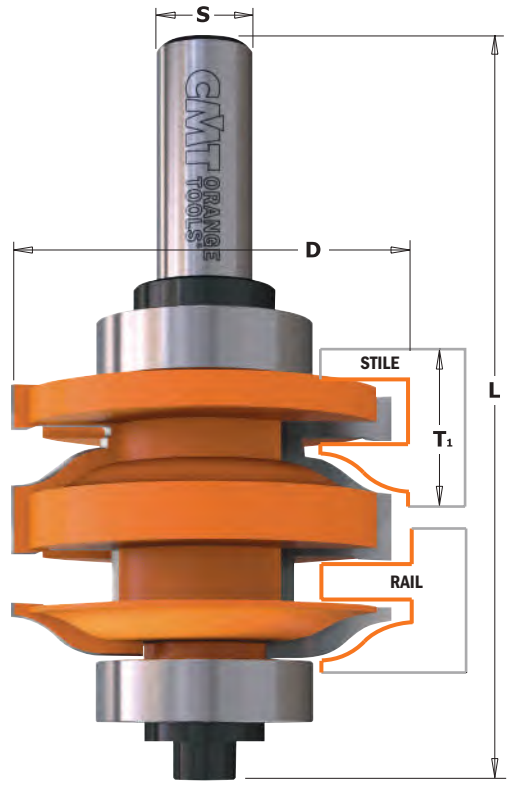
Drawing is 1:1 scale



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

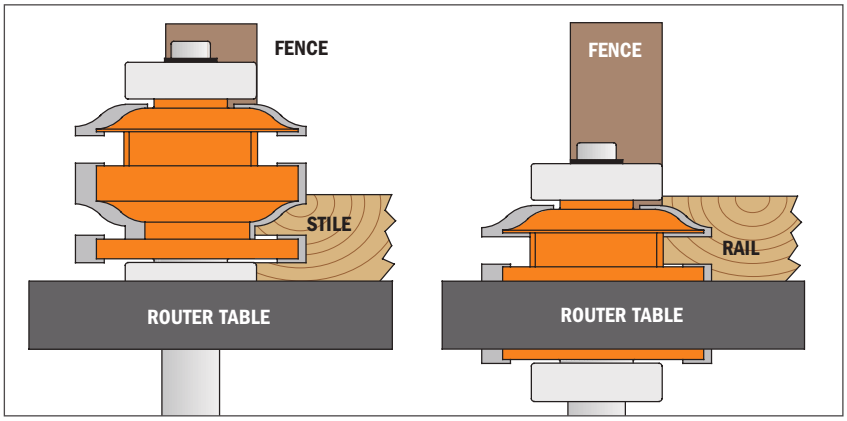


8/991.521

HW | Z2 | RH

The 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 cutting tool.

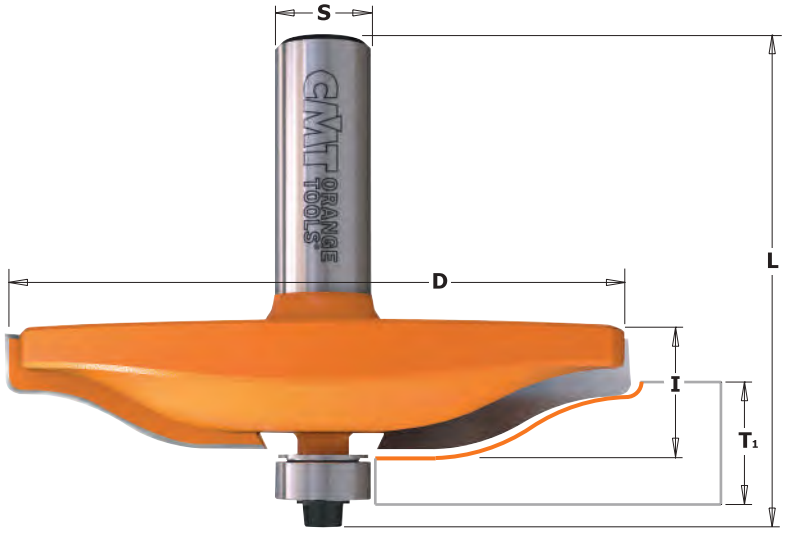
SHOP TIPS: the complicated nature of this kind of project requires a lot of practice and you need to carry out trial cuts. Always keep a variety of test pieces on hand.



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

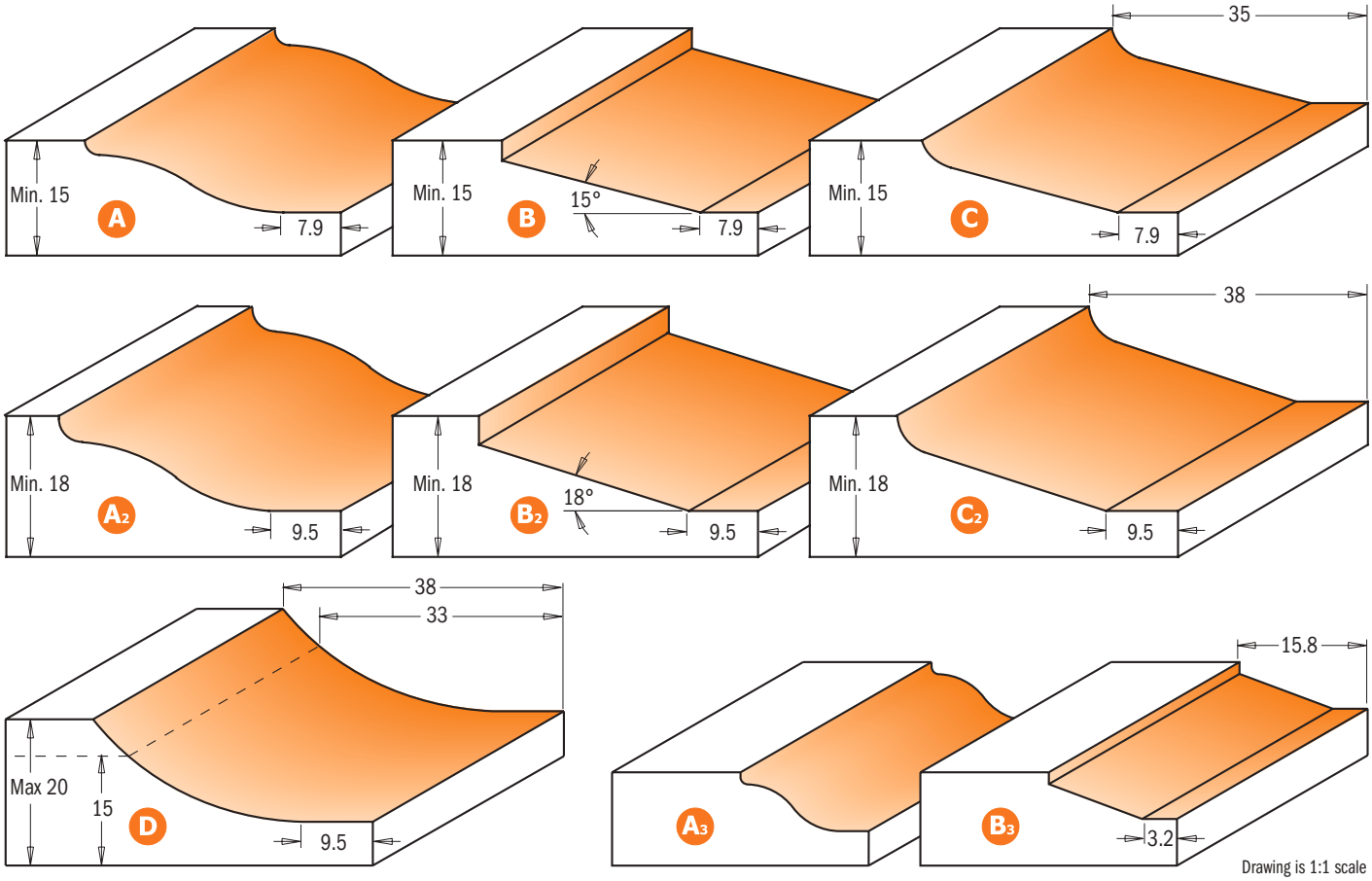
791.027.00	541.002.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00
791.027.00	541.005.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00



8/990

Make classic raised panel doors by choosing from the profiles illustrated below. Its anti-kickback design is fundamental in further improving safety when working with larger diameter bits.

SAFETY TIPS: This type of bit needs to be used at a lower rotational speed, preferably 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 routers with at least 1800 KW.



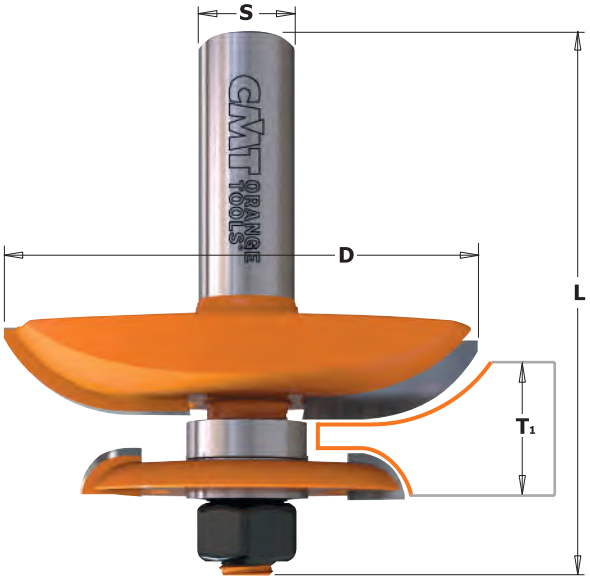
Drawing is 1:1 scale

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
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CMT ORANGE TOOLS®



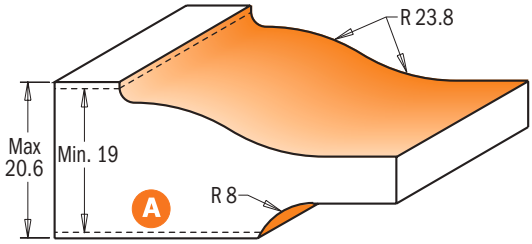
8/990.5

HW | α | Z2 | RH

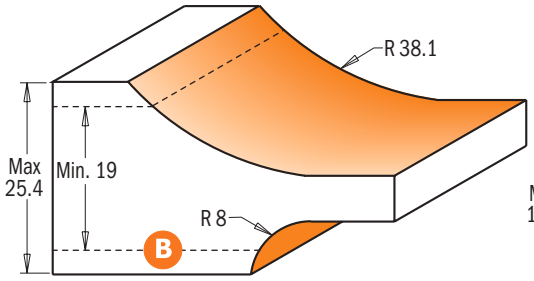
These bits have a back-cutter which allows you to rout both the front and back of the panel in the same cut which saves time and money.

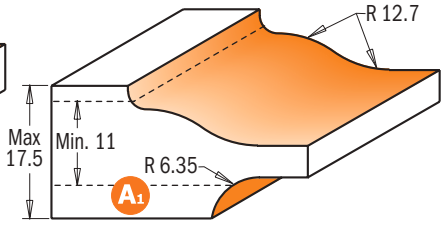
SAFETY TIPS: to ensure improved safety when using the Ø89mm bit, carry out the cut in 2 shallow passes: use a Ø37mm bearing for the first pass, and then a Ø16mm bearing for the second pass.

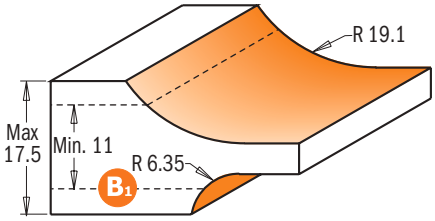


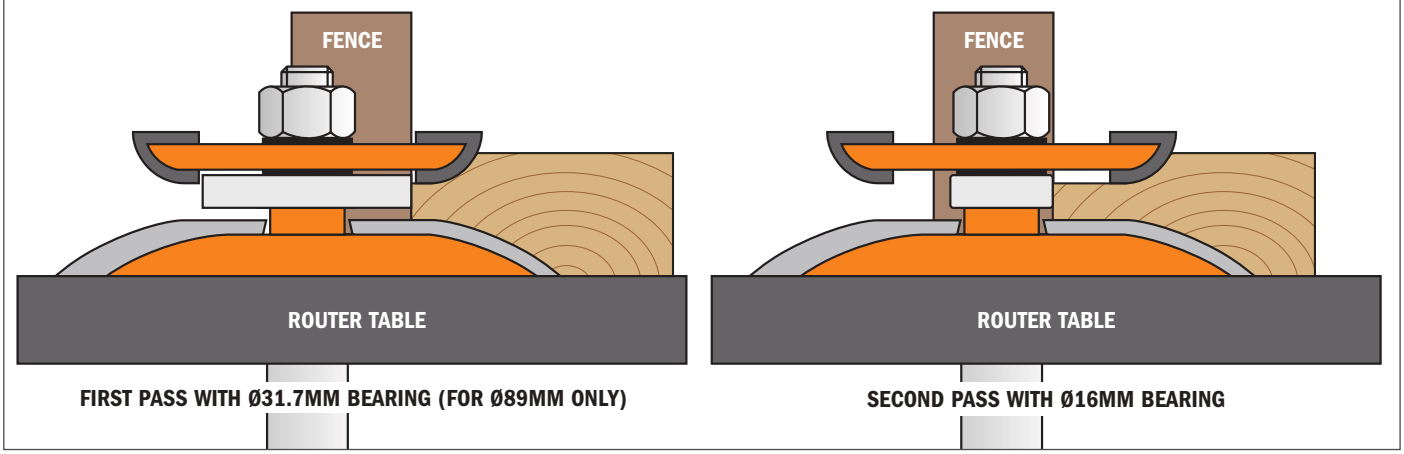


Drawing is 1:1 scale









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

	16mm	31.7mm	
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

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.

FRESE PER PANNELLI



870.501.11
970.501.11

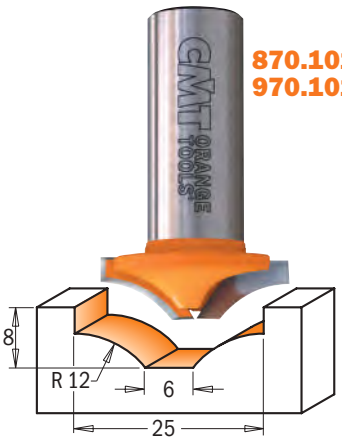


870.502.11
970.502.11

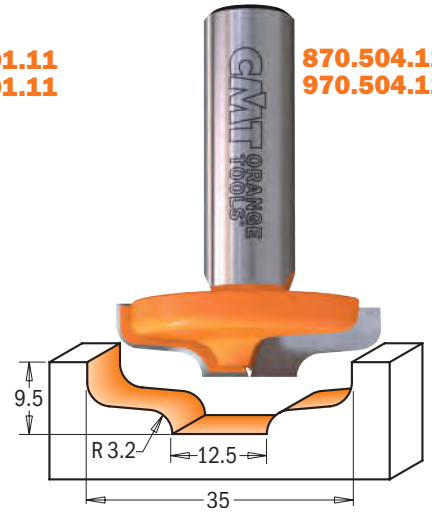


870.503.11
970.503.11

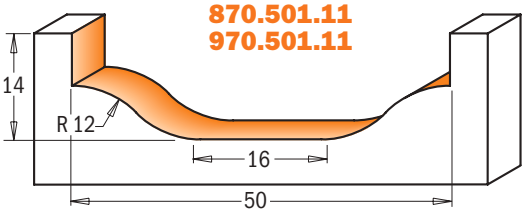
FRESE PER MONTANTI E TRAVERSE



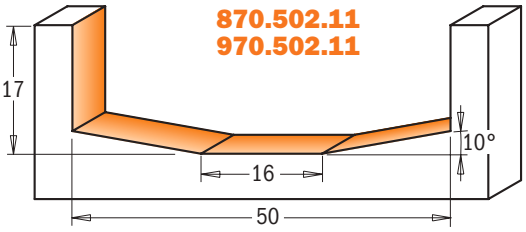
870.101.11
970.101.11



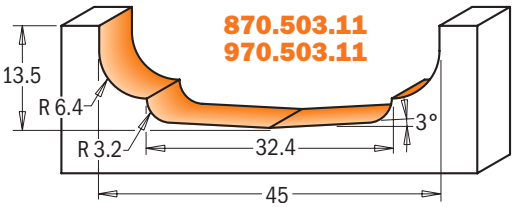
870.504.11
970.504.11



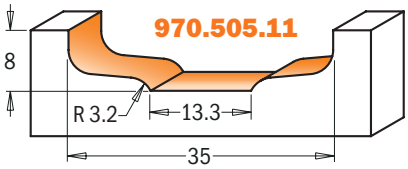
870.501.11
970.501.11



870.502.11
970.502.11

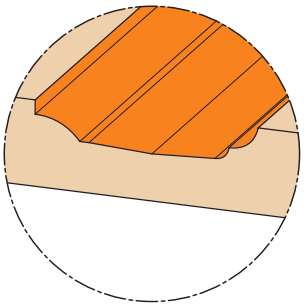


870.503.11
970.503.11

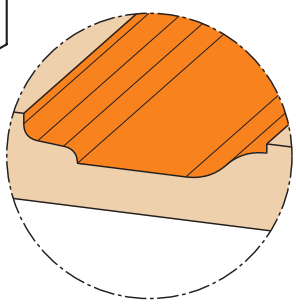


970.505.11

Drawing is 1:1 scale



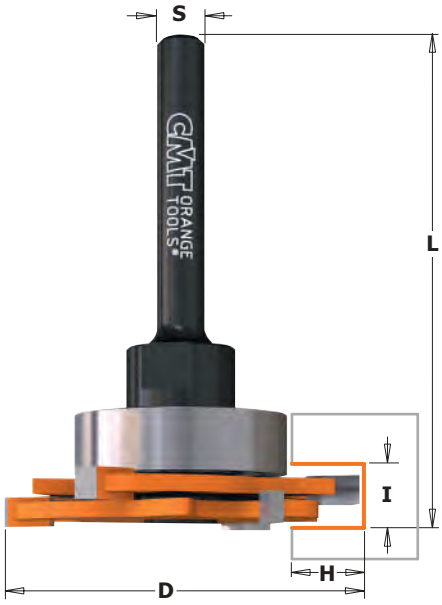
8/970.503.11
+
8/970.101.11



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	32.4	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	

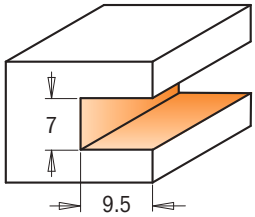
3-Flute Slot Cutter for STRIPLOX® Mini



823.371

HW Z3+3 RH

New CMT cutter for STRIPLOX® Mini connectors. These connectors are invisible joiners suited to everyday projects, custom cabinets, wood joints and any piece of cabinetry, furniture or design application. They produce a tight and strong joints either in a permanent or temporary structures making them perfectly suited for commercial, domestic and architectural furniture, kitchen, bathroom and wardrobe closets, cabinetry, commercial fit-outs plus many more applications.



Drawing is 1:1 scale





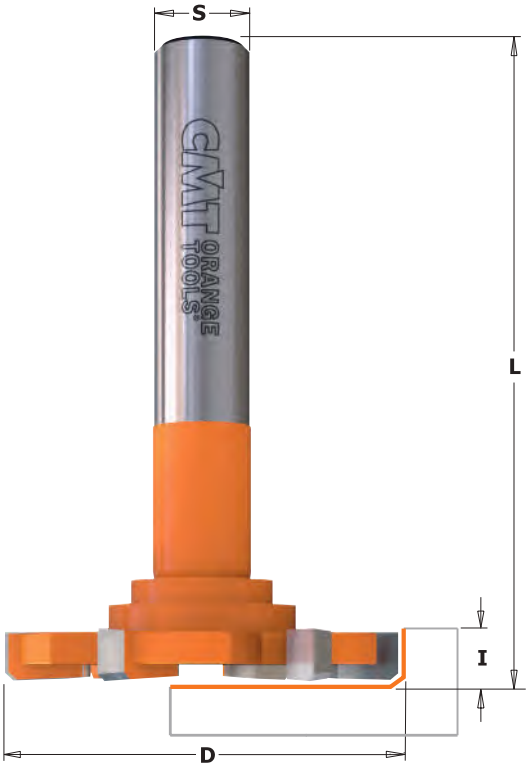
I mm	D mm	H mm	L mm		ORDER NO. S=Ø6.35mm		
7	47.6	9.5	65	10	**823.371.11A**		

Spare parts:

791.030.00	823.340.11	990.055.00	991.067.00

Spare parts: **541.515.00** 0.1mm spacer
541.516.00 0.3mm spacer
541.517.00 0.5mm spacer

Solid Surface - Counter Top Trim Bits

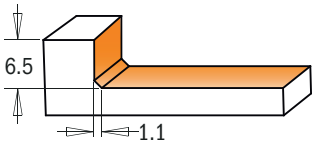


822/922.034.11

8/922.034-35

HW Z4 Z6 RH

Create even shallow recesses in countertops with this 6-wing tool. The radiused cutting tips produce an edge that's super smooth to the touch and simple to clean. For use with handheld routers.



Drawing is 1:1 scale



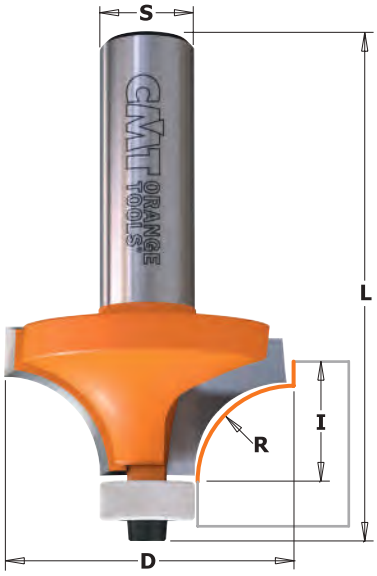
922.035.11



D mm	I mm	L mm	Z				ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
52	6.5	65	4	5			**922.035.11**		
52	6.5	83.5	6	5				**922.034.11**	**822.034.11**

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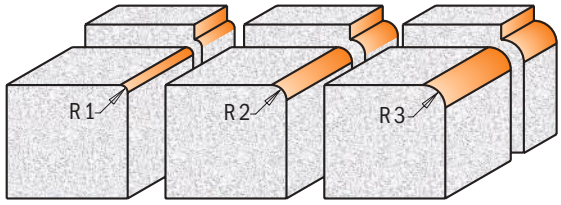
CMT ORANGE TOOLS®

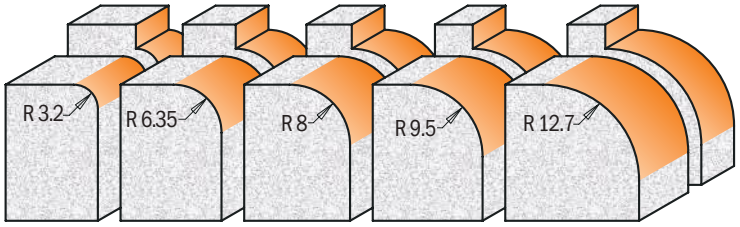


7/8/938 - 8/980.5

HW | α | Z2 | RH

Use these bits to create traditional roundover edges on solid surface countertops. Equipped with a non-marring DELRIN® bearing to protect finished edges. For use on hand-held portable routers.





APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

Drawing is 1:1 scale

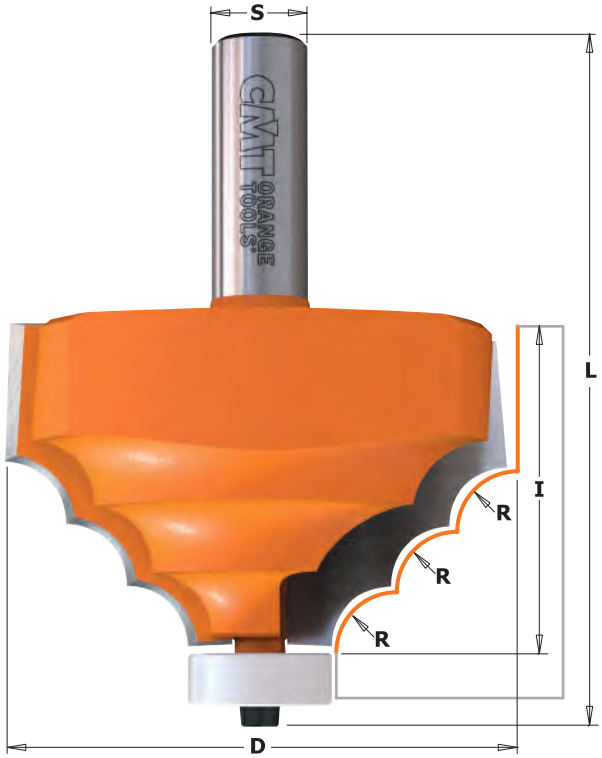
R mm	D mm	I mm	L mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
1	14.7	10	51	10		**838.147.11**	**938.147.11**		
2	16.7	12.7	52.5	10	**738.167.11**		**938.167.11**		
3	18.7	12.7	54	10	**738.187.11**		**938.187.11**		
3.2	19.05	12.7	59.5	10				**980.501.11**	**880.501.11**
6.35	25.4	12.7	59.5	10				**980.502.11**	**880.502.11**
8	28.7	15	62.5	10				**980.505.11**	**880.505.11**
9.5	31.75	14	61	10				**980.503.11**	**880.503.11**
12.7	38.1	19.05	66	10				**980.504.11**	**880.504.11**

Spare parts

990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00
990.422.00	791.044.00	990.058.00

Spare parts: **991.057.00** 3/32" hex key

Solid Surface - Decorative Edge Profile Bits



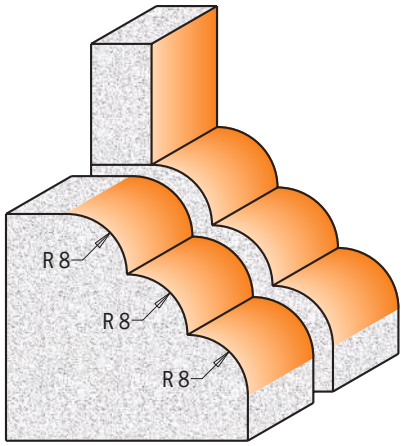
8/980.521

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.



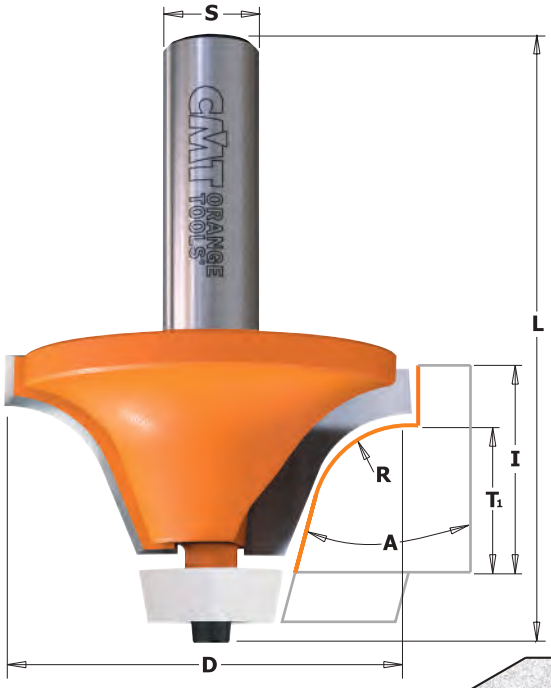
Drawing is 1:1 scale

D mm	I mm	R mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
66.7	41.3	8	89.8	5		**980.521.11**	**880.521.11**

Spare parts

791.046.00	990.058.00	991.057.00

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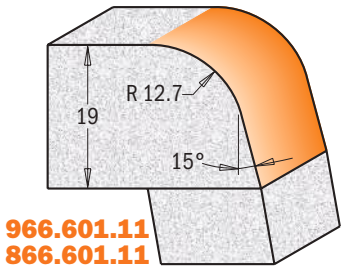
8/966.601/602
8/980.541

HW | α | Z2 | RH

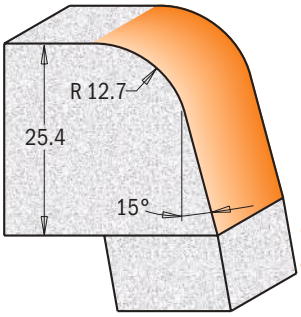
These bits are the best tool for rounding over and trimming countertop edges after the bowl is mounted. Can be used together with the CMT 8/980.551.11 bevel cutter for a flush cut-out between the countertop and the installed undermount bowl. For use on hand-held routers.
Features a non-marring DELRIN® bearing to protect the finished edges as well as surfaces.

APPLICATION

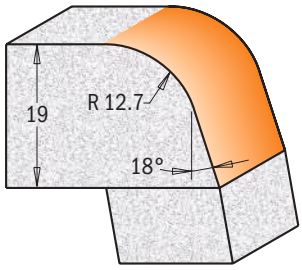
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



966.601.11
866.601.11



966.602.11
866.602.11



880.541.11
980.541.11

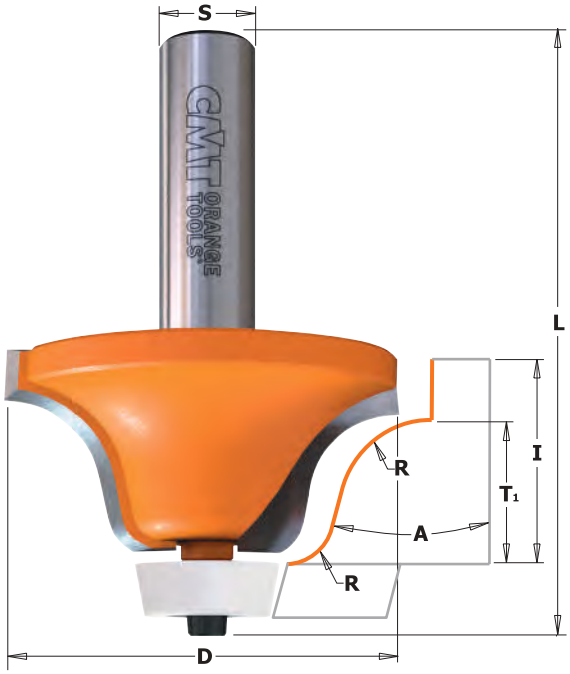
Drawing is 1:1 scale

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)



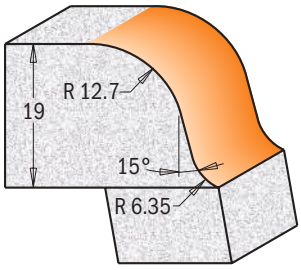
8/980.542

HW | α | Z2 | RH

These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 8/980.551.11 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.

APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



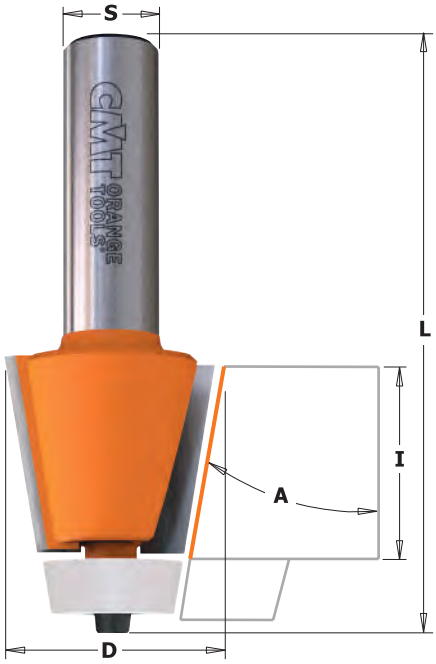
Drawing is 1:1 scale

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

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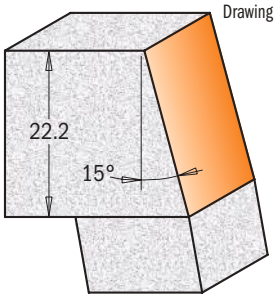


8/966.501 - 8/980.551

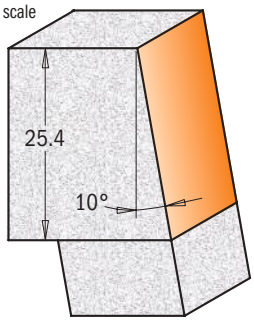
HW | α | Z2 | RH

These bits are designed for undermount applications joining the countertops and sink bowls with a beveled edge. Can be used with the **8/980.541.11** and **8/980.542.11** for complete undermount applications.
For use on hand-held routers. Features a non-marring DELRIN® bearing to protect the finished edges and surfaces.

Drawing is 1:1 scale



866.501.11
966.501.11



880.551.11
980.551.11

APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

A	D mm	I mm	L mm			ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
15°	31.7	22.2	72	10		**966.501.11**	**866.501.11**
10°	28.5	25.4	77	10		**980.551.11**	**880.551.11**

Spare parts

791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

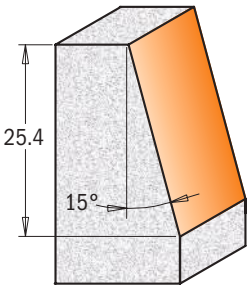
Solid Surface - Bevel Bit



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 and table routers.



Drawing is 1:1 scale

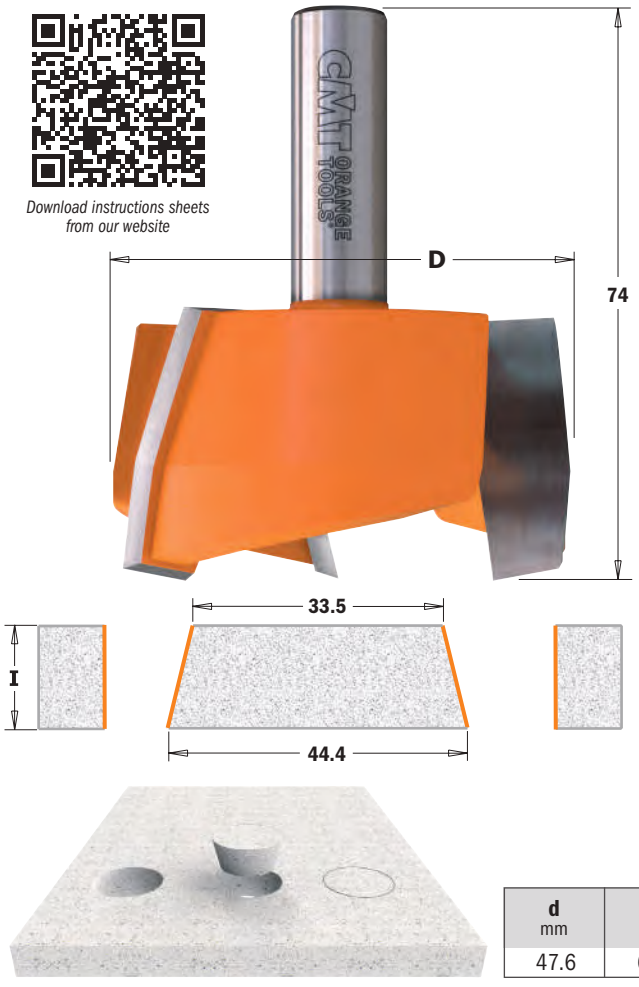
APPLICATION

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	9.53	25.4	15°	63.5	10				**981.521.11**	**881.521.11**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Download instructions sheets from our website



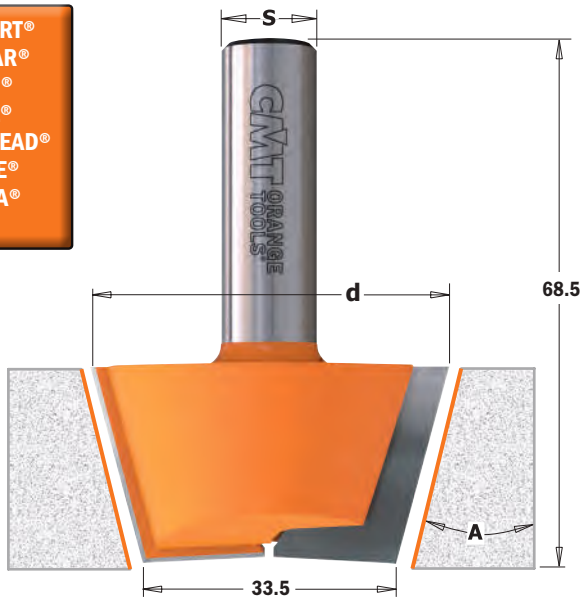
9/881.541

HW | α | Z2 | Z3 | RH

These special carbide-tipped bits work best on solid surfaces or when repairing damaged surfaces. One bit creates the plug, then the other bit easily carves out the hole. Your surfaces will look like new again!
For use with hand-held routers or CNC machines.

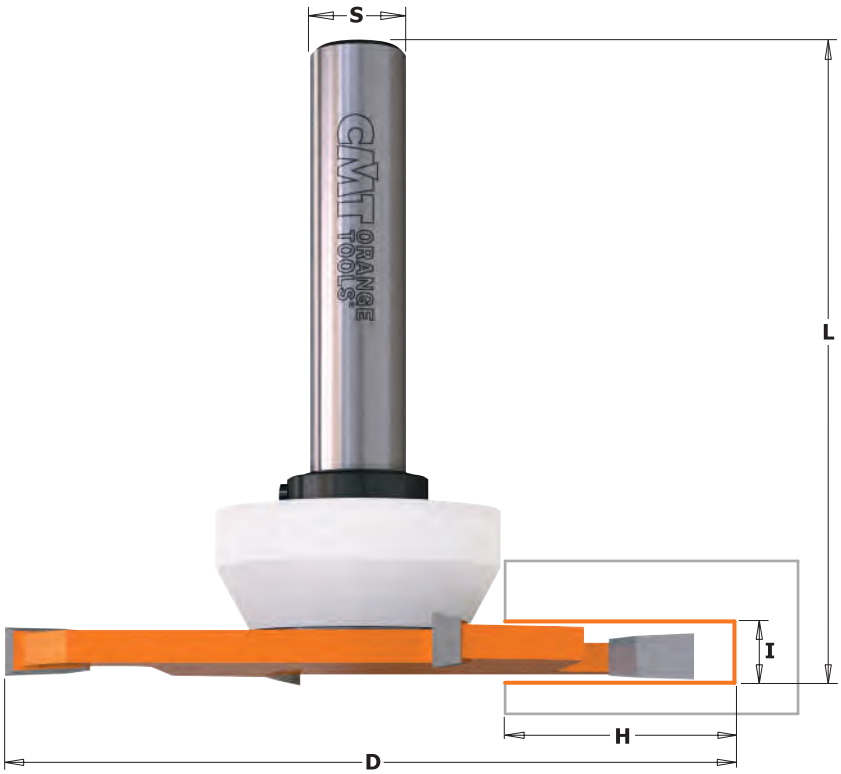
APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



d mm	D 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



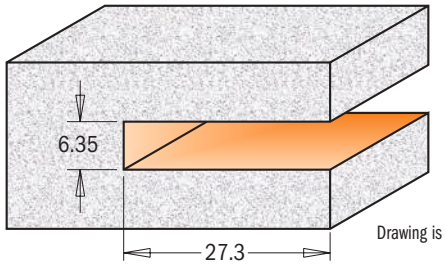
HW | Z4 | RH

8/922.033B

This bit features two tungsten carbide-tipped cutting edges for carving out solid surface undermount bowls in composite.
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**

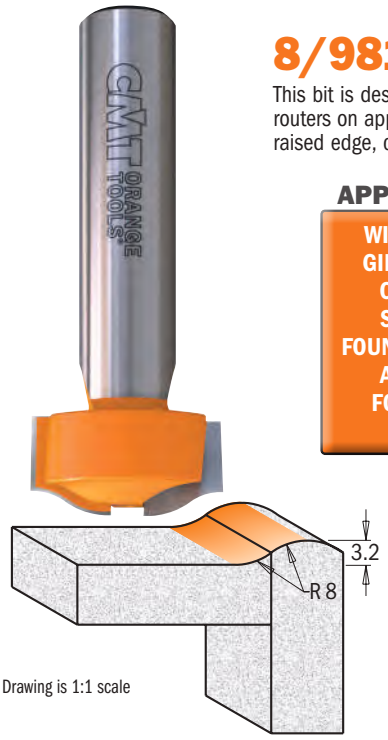
Spare parts



541.553.00	791.047.00	541.002.00	991.056.00

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Solid Surface - No-Drip Bit



Drawing is 1:1 scale

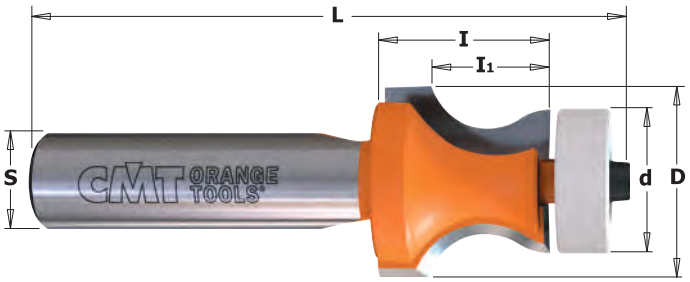
8/981.501

HW | Z2 | RH

This bit is designed to create “no-drip” edges on kitchen and vanity countertops in one simple step. 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.

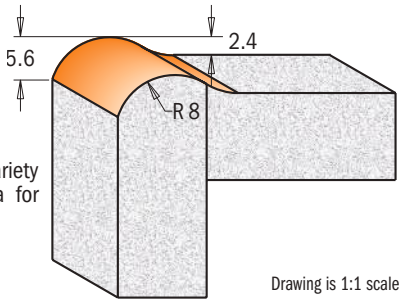
APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



8/980.531

This bit creates strong and reliable joints in a variety of composites thanks to greater surface area for applying glue.



Drawing is 1:1 scale

D mm	d mm	I mm	I1 mm	R mm	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
25.4		12.7	3.2	8	63.5	10	**981.501.11**	**881.501.11**
25.4	19	22.2	15.88	8	77	10	**980.531.11**	**880.531.11**

Spare parts

791.046.00	990.058.00	991.057.00

Solid Surface - Wavy Joint Bit



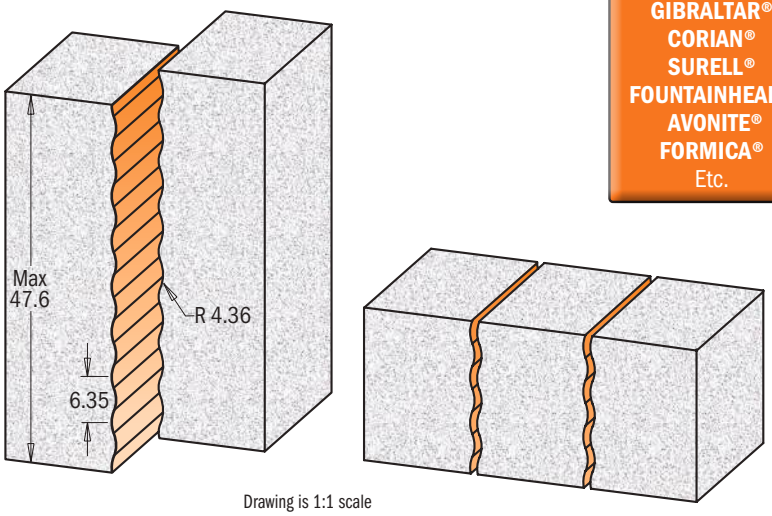
8/981.531

HW | Z2 | RH

These bits are ideal for making strong joints on any solid surface, thanks to a wider surface area for glue application.

APPLICATION

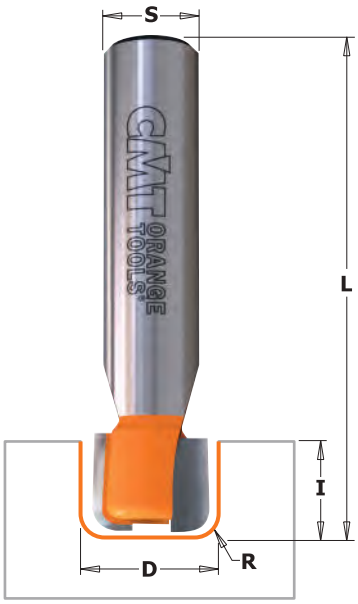
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



Drawing is 1:1 scale

D mm	I mm	R mm	L mm						ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
15.88	51.5	4.36	89		10				**981.531.11**	**881.531.11**

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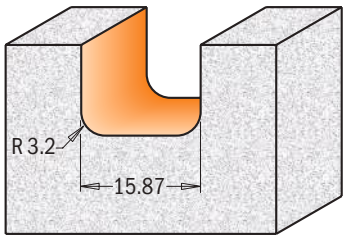
8/981.511-512

HW | Z2 | RH

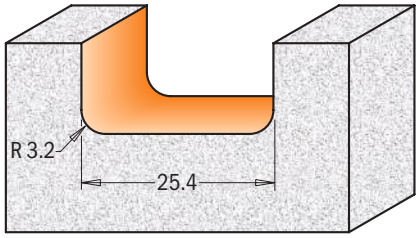
This bit is ideal for creating custom drainboard patterns in solid surface countertops. For use on hand-held portable routers.

APPLICATION

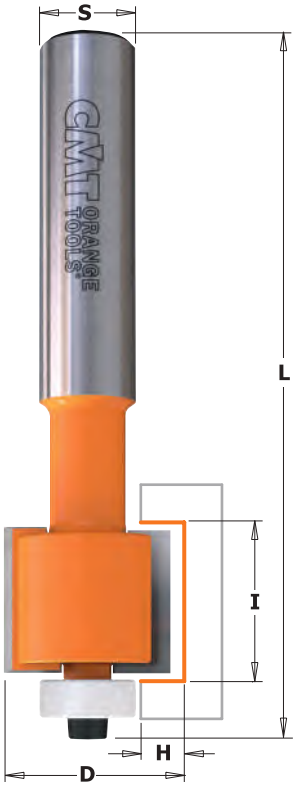
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



Drawing is 1:1 scale



D mm	I mm	R mm	L mm					ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
15.88	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



8/980.511-512-513

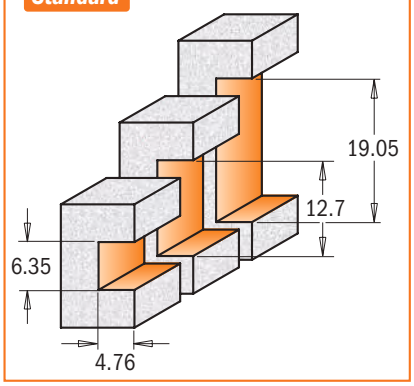
HW | Z2 | RH

Add a decorative inlay to solid surface countertops in composite.
Equipped with a non-marring DELRIN® bearing to protect the finished edges.
For use on hand-held portable and table routers.

APPLICATION

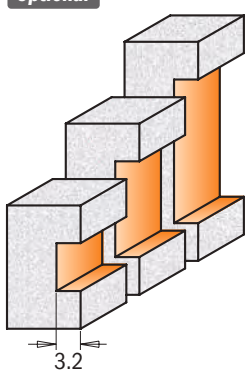
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

Standard

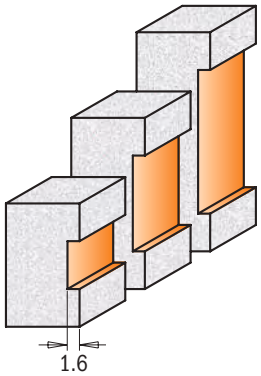


Drawing is 1:1 scale

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

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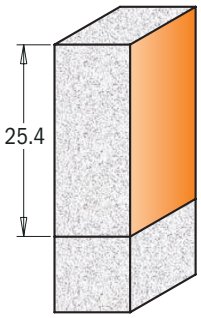
8/980.57

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!

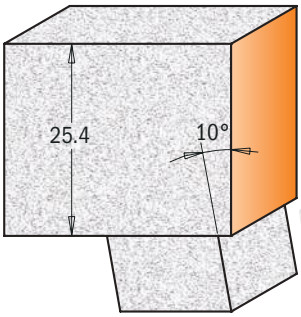
APPLICATION

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



880.571.11
980.571.11

Drawing is 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
19.05	25.4		78			10	980.571.11	880.571.11
22	25.4	10°	78			10	980.572.11	880.572.11

Spare parts

791.046.00	990.058.00	991.057.00
791.048.00	990.058.00	991.057.00



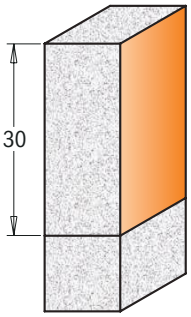
8/980.56

INSERT CARBIDE Z2 RH 2X CUTTING

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 overhang bit 8/980.562.11 cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit 8/980.561.11 completes the operation.
Knives made from super micrograin carbide and sharpened on both sides guarantee longer life!

APPLICATION

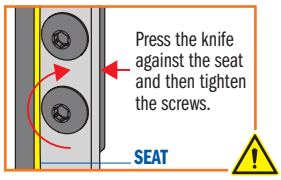
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



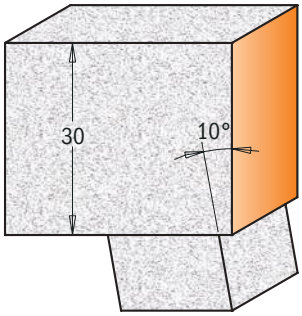
880.561.11
980.561.11

Drawing is 1:1 scale

CORRECT KNIFE POSITIONING



880.562.11
980.562.11



Drawing is 1:1 scale



SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

D mm	I mm	A	L mm		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
19.05	30		83	10	980.561.11	880.561.11
22	30	10°	83	10	980.562.11	880.562.11

Spare parts

790.300.03	990.075.00	991.061.00	791.046.00	990.058.00	991.057.00
790.300.03	990.075.00	991.061.00	791.048.00	990.058.00	991.057.00

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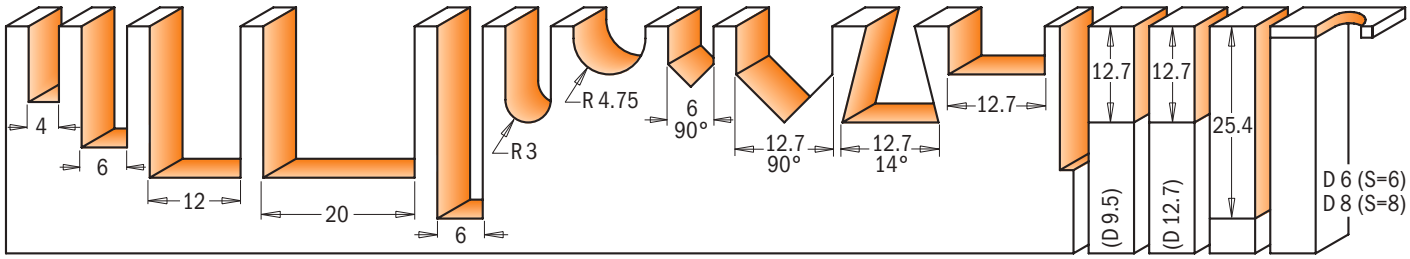
900.003

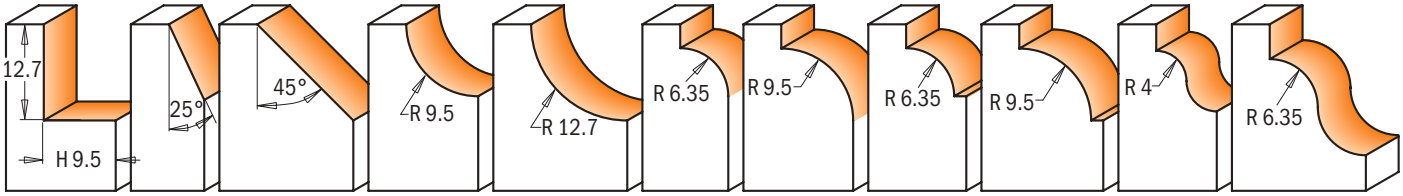
HWM HW Z2 RH

Find a whole workshop in this practical 26 piece router bit set! An endless selection of tools to express your woodworking creativity! Every cutting tool is made from the highest quality tungsten carbide and features our trademarked PTFE orange coating.
Comes with a snap-lock case for safe storage!

DESCRIPTION		ORDER NO. S=Ø8mm
26 Piece Router Bit Set	1	900.003.00

Drawing is 1:1 scale





15 Piece Router Bit Set

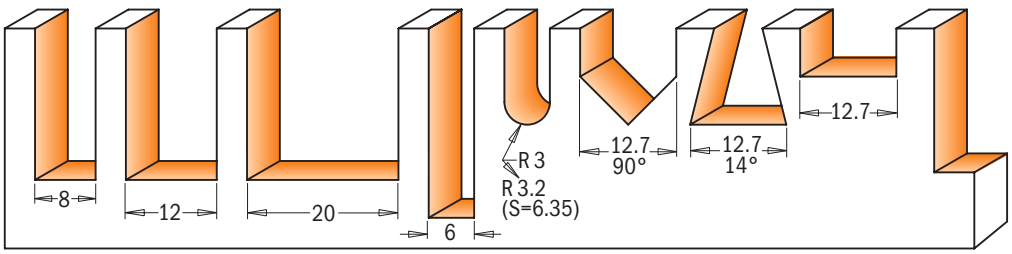


8/900.001

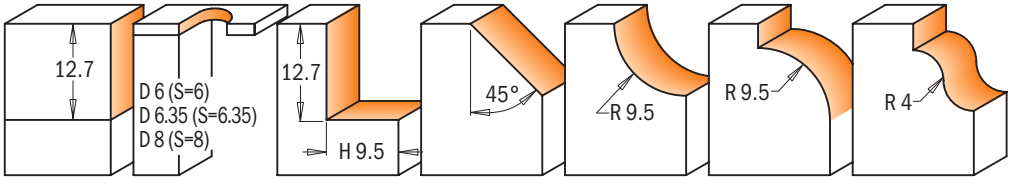
HWM HW Z2 RH

CMT's 15 piece bit router bit set is the perfect companion for the professional craftsman. This set offers a selection of organized and readyto-use straight and profile bits.
Added value for any woodworker!
Each bit is made with micrograin tungsten carbide and coated with orange non-stick PTFE Comes with a snap-lock case for safe storage!

DESCRIPTION		ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm
15 Piece Router Bit Set	1	800.001.00	900.001.00



Drawing is 1:1 scale



12 Piece Router Bit Set



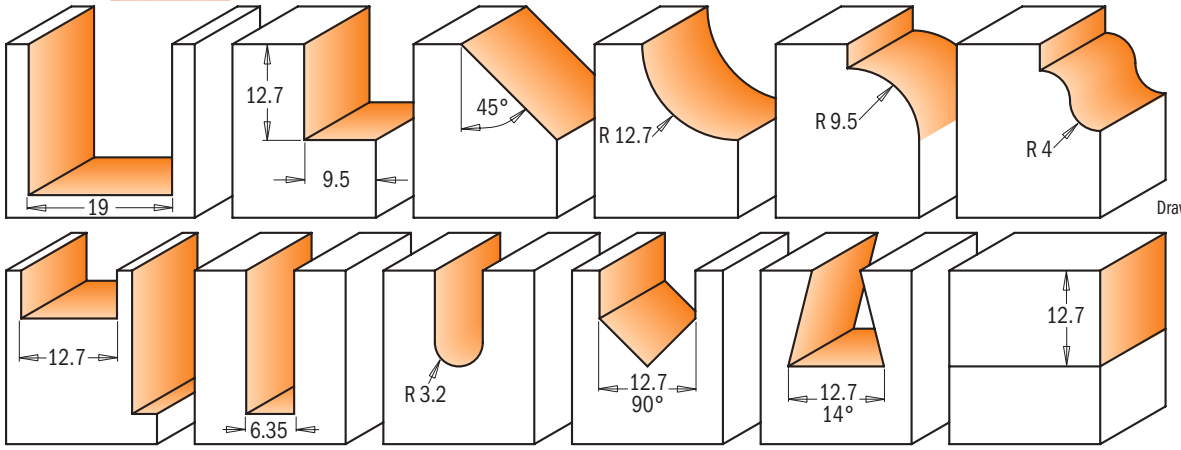
800.503

HWM HW Z2 RH

CMT's 12 most frequently used 6.35mm shank router bits assembled in a compact and attractive case for your convenience! The perfect case for any professional woodworker!
Comes with a snap-lock case for safe storage!



DESCRIPTION		ORDER NO. S=Ø6.35mm
12 Piece Router Bit Set	1	**800.503.11**



Drawing is 1:1 scale

13 Piece Router Bit Set



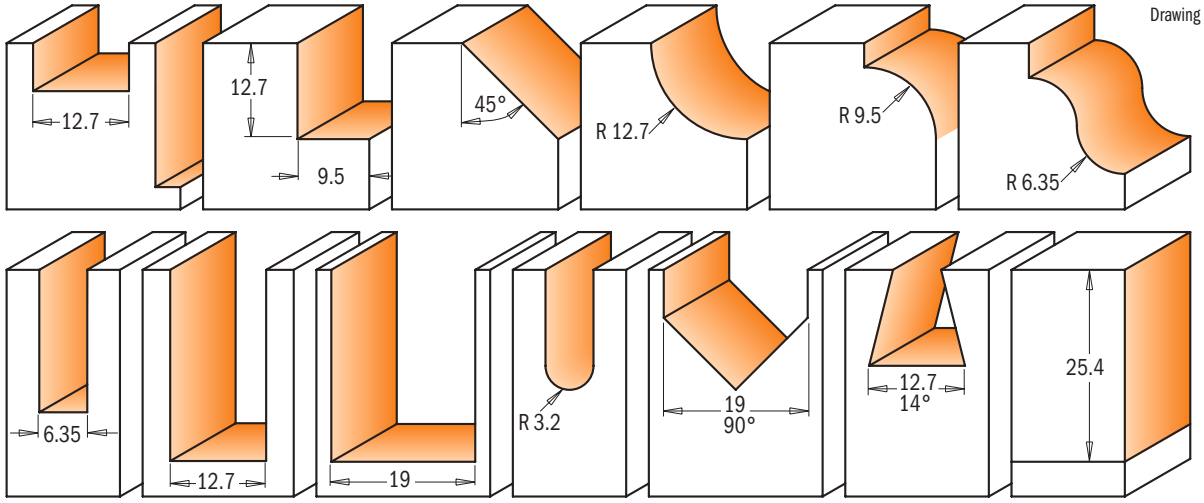
800.505

HWM HW Z2 RH

CMT's 13 most frequently used 12.7mm shank router bits assembled in a compact and attractive case for your convenience!
Unique design that comes with a snap-lock case for safe storage!



DESCRIPTION		ORDER NO. S=Ø12.7mm
13 Piece Router Bit Set	1	**800.505.11**



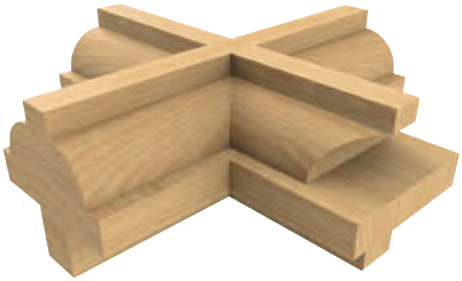
Drawing is 1:1 scale



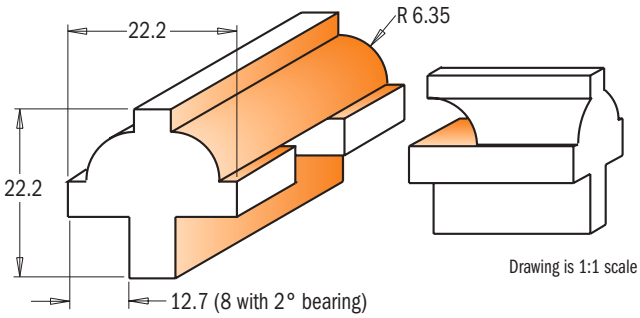
800.525 - 900.025

HW | α | 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.



DESCRIPTION		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
Divided Light Door Set	1	900.025.11	800.525.11



Drawing is 1:1 scale

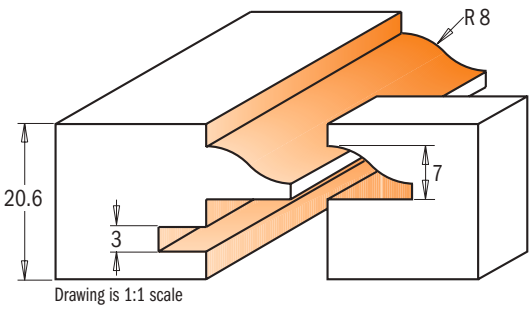


8/955.803

HW | Z2 | Z3 | RH

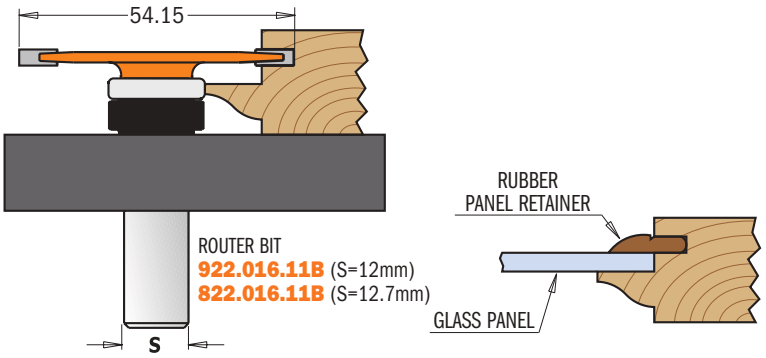
CMT's unique stile and rail router bit sets allow you to produce glass panel doors by using a rubber panel retainer to secure the glass in a 3.2mm slot cut into the frames. These bits work the same as other CMT stile and rail sets, but they leave you with a square rabbet on the inside of your door for installing the glass panel.
Available in 12mm and 12.7mm shanks.

DESCRIPTION		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
Glass Panel Set	1	955.803.11	855.803.11



Drawing is 1:1 scale

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.



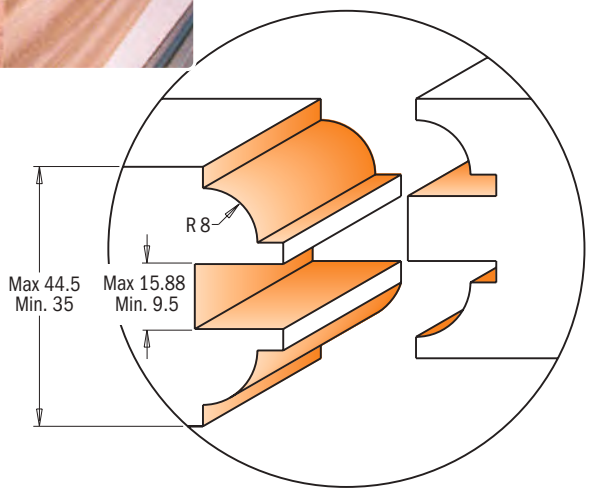
8/900.527

This is a multifunctional set for door and furniture makers, building entry or passage doors and furniture tenons. The tenon cutter included in the set, produces a beefy 27mm long tenon. As an extra bonus, the tenon cutter can be used for making furniture requiring tenons anywhere from 9.5mm to 16mm in thickness.

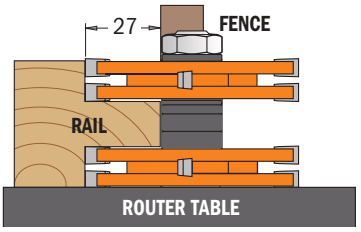




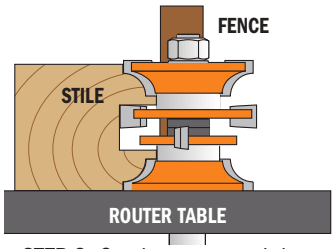




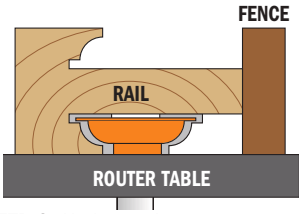
ENTRY & INTERIOR DOOR CONSTRUCTION EASY AS 1, 2, 3!



STEP 1. Cut the tenon into the rails



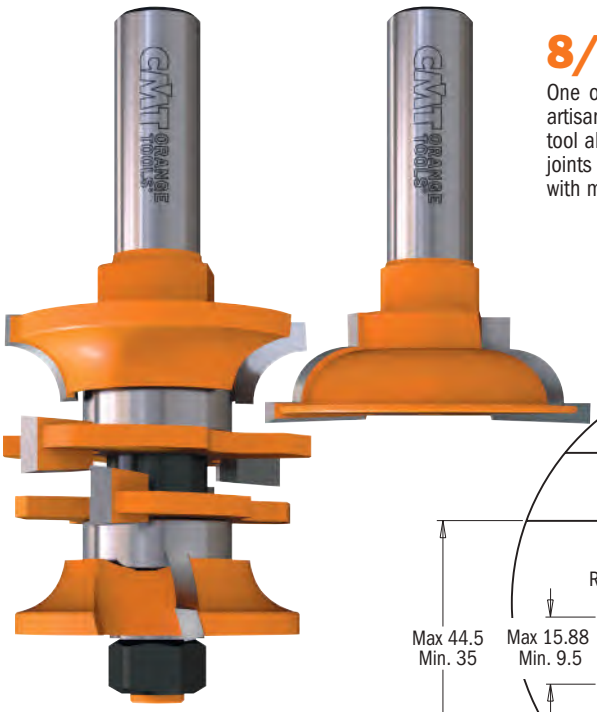
STEP 2. Cut the groove and door profile in pieces.



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**

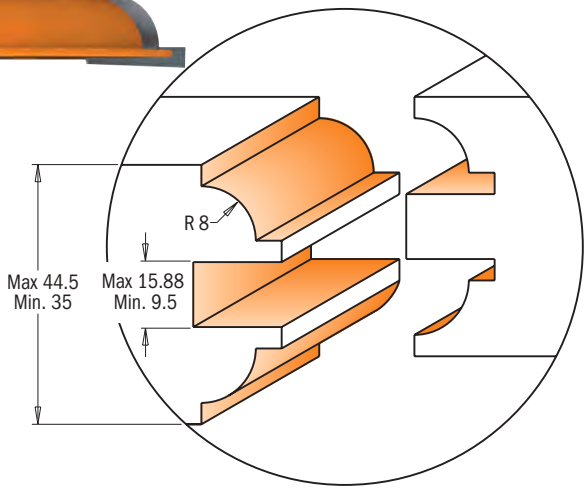
2 Piece Entry Door Router Bit Set



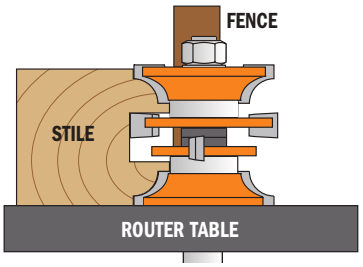
8/955.806

One of the more popular bits among both artisans and professional carpenters, this tool allows you to create tongue and-groove joints and produce entry and passage doors with minimal effort. Incredible versatility!

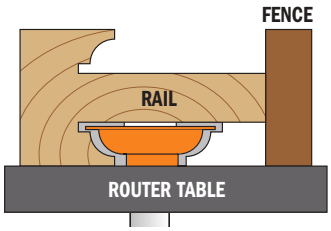
HW | α | Z2 | RH



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	DOWN	UP		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 Bits

8/900.628

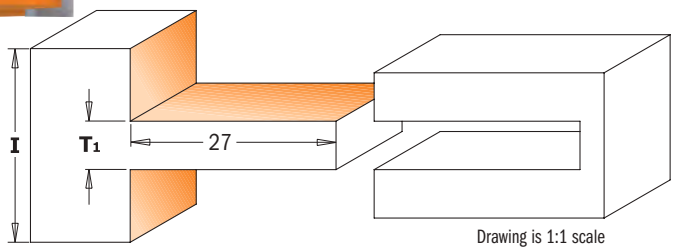
8/900.627

HW | Z2 | RH

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 to 9.5mm thick, and up to 27mm long. This simple-to-use router bit takes the mystery out of tenon-to-mortise fit required for high quality joinery.



Maximum speed
MAX RPM 12.000



Drawing is 1:1 scale

8-900.627

T1	SPACER (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	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
824.134.00	822.020.11	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
924.135.00	822.020.11	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00
824.135.00	822.020.11	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00	990.022.00

The Cabinetmaking Set



HW | 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.

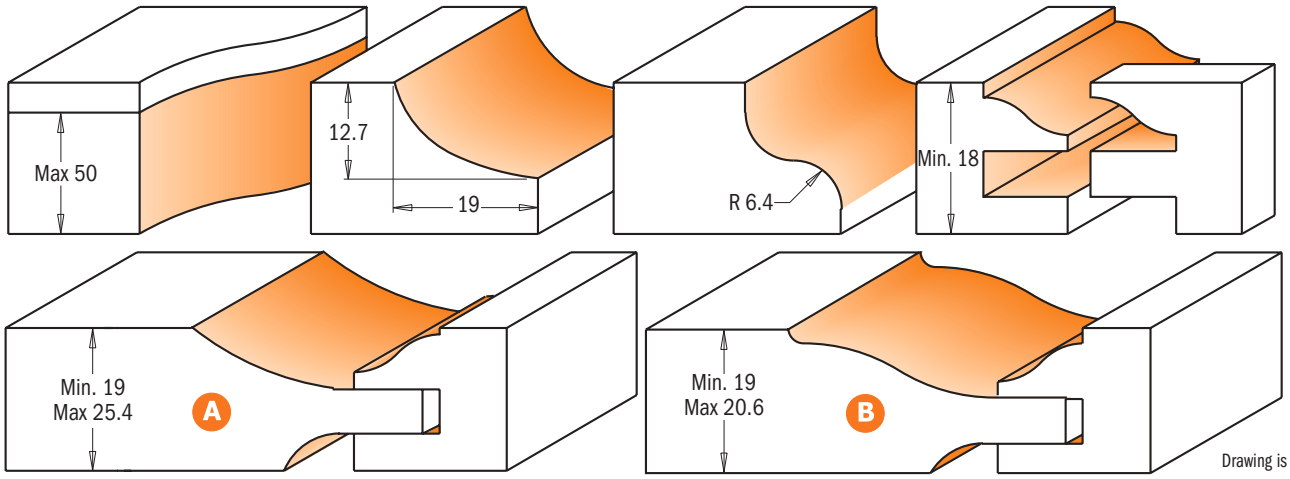
RAISED PANEL BIT WITH BACKCUTTER: this 88.9mm diameter bit features a backcutter for milling both the front and the back on the panel in a single cut. We recommend using a 31mm diameter bearing to work safely in two shallow passes.

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 Set - Profile A	(6 pcs. HW)	1	800.515.11
The Cabinetmaking Set - Profile B	(6 pcs. HW)	1	800.520.11



Drawing is 1:1 scale

Small Arch Door Set

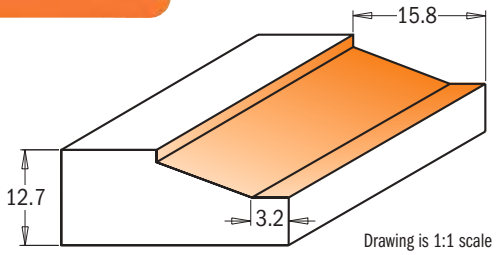


800.524 - 900.024

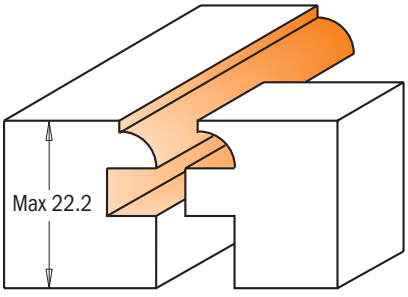
HW | Z2 | RH

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 15.8mm 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 material 12.7mm in thickness. 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.
Available in 8mm and 12.7mm shanks.

DESCRIPTION		ORDER NO. S=Ø8mm	ORDER NO. S=Ø12.7mm
Small Arch Door Set	(3 pcs. HW)	900.024.11	800.524.11



Drawing is 1:1 scale





CMT's Complete Kitchen Set

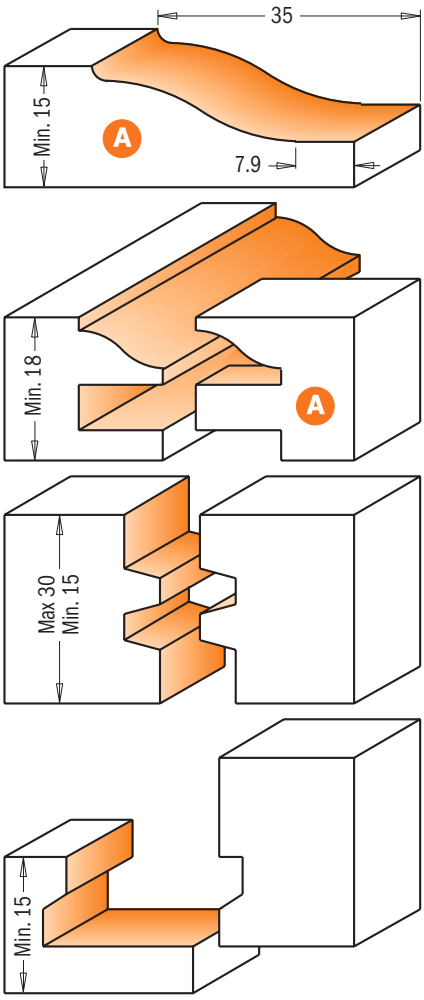


These CMT's sets aren't only a random selection of odds and ends packaged in a handy carry case, but they are also professional kits for drawer and door makers.
3 sets to choose from, 5 different bits to suit your needs: a raised panel bit, rail and stile bits, a glue joint and a drawer lock bit. Please refer to the illustrations below for complete profile options.

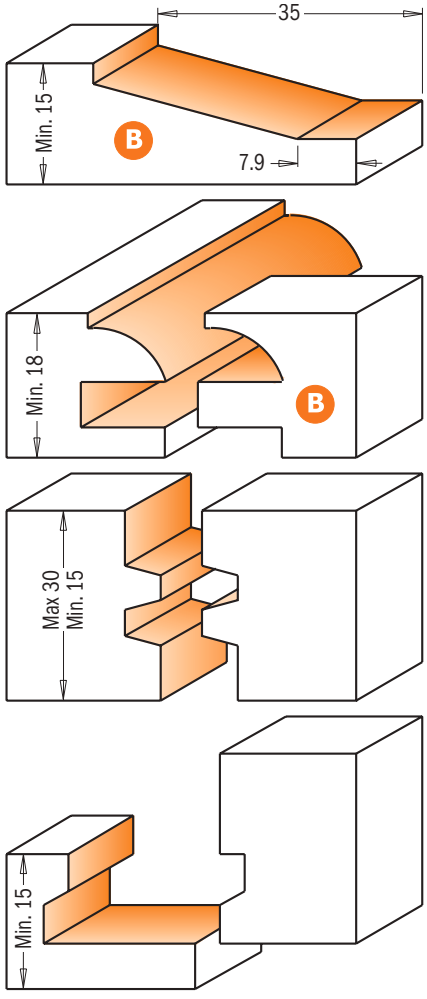


DESCRIPTION		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
CMT's Complete Kitchen Set - Profile A (5 pcs. HW)	1	900.509.11	800.509.11
CMT's Complete Kitchen Set - Profile B (5 pcs. HW)	1	900.510.11	800.510.11
CMT's Complete Kitchen Set - Profile C (5 pcs. HW)	1	900.511.11	800.511.11

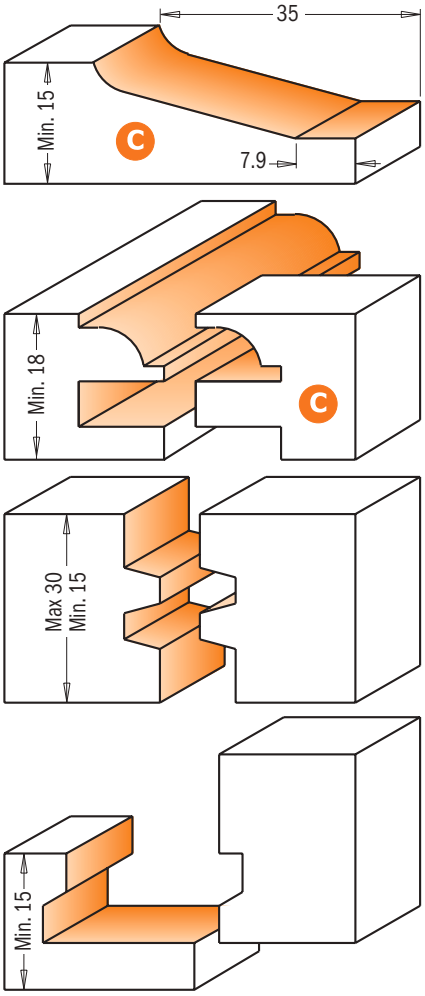
8/900.509.11



8/900.510.11



8/900.511.11



Drawing is 1:1 scale

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.

DIMENSION mm	QTY.		ORDER NO.
27x7x7	200	1	PNL-001

PNL-001



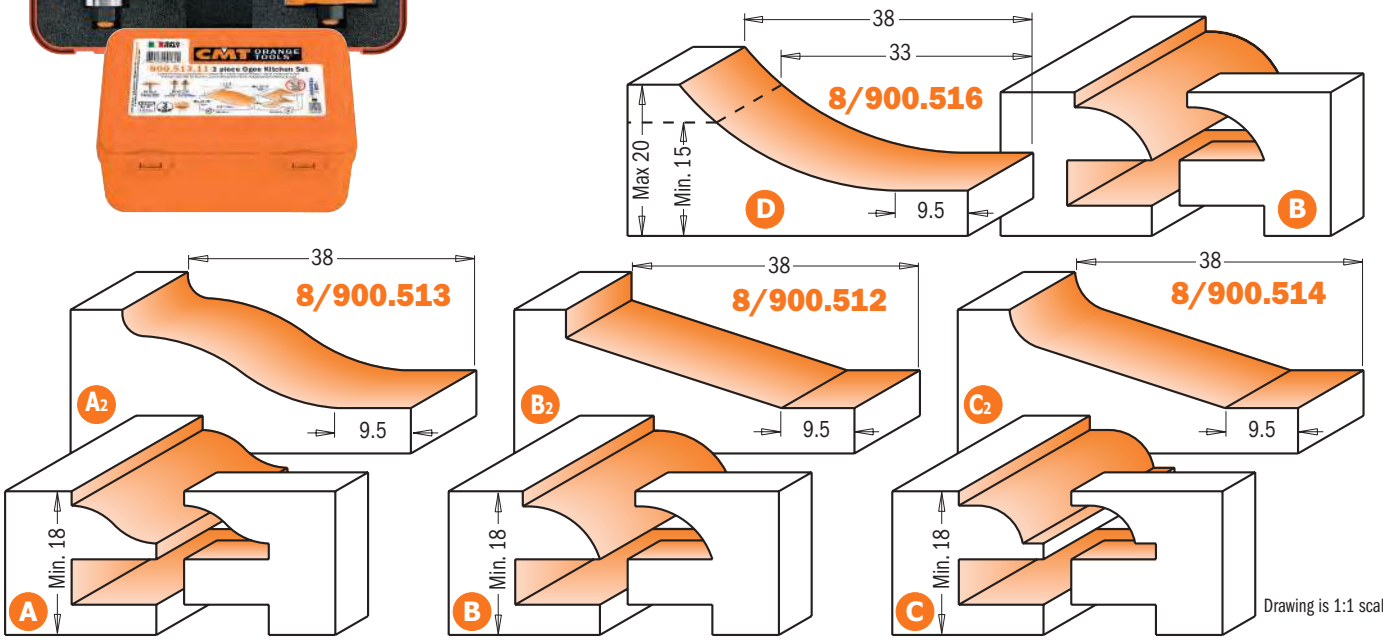
Kitchen Set



HW Z2 RH

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. Supplied in a protective carry case: perfect for keeping your bits safe, organized and within reach.

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



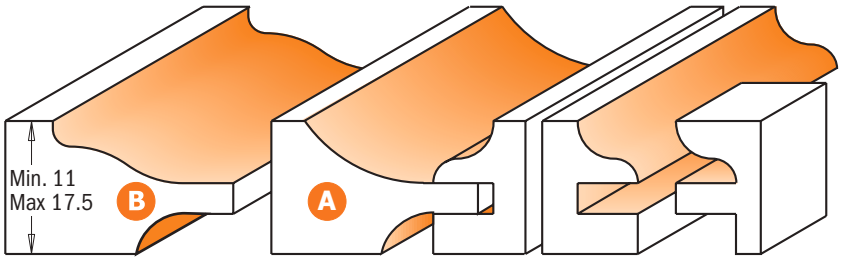
Drawing is 1:1 scale

The Raised Panel Set with Backcutter



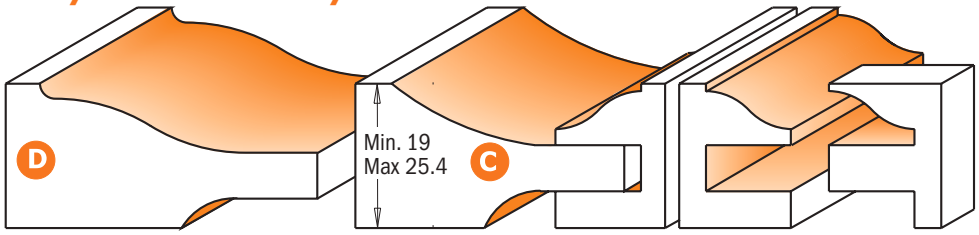
8/900.518 - 8/900.522

HW Z2 RH



Drawing is 1:1 scale

8/900.517 - 8/900.521



The set includes a choice of a cove or an ogee raised panel bit and an ogee rail & stile pair. All tools are supplied in a robust protective carry case.

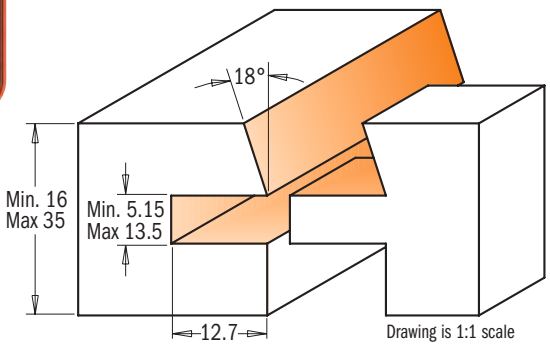
DESCRIPTION				ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
Junior Raised Panel Set - Profile A	(3 pcs. HW)	Ø63.5mm	1	900.518.11	800.518.11
Junior Raised Panel Set - Profile B	(3 pcs. HW)	Ø63.5mm	1	900.522.11	800.522.11
Junior Raised Panel Set - Profile C	(3 pcs. HW)	Ø89mm	1	900.517.11	800.517.11
Junior Raised Panel Set - Profile D	(3 pcs. HW)	Ø89mm	1	900.521.11	800.521.11

Adjustable Shaker Router Bit Set

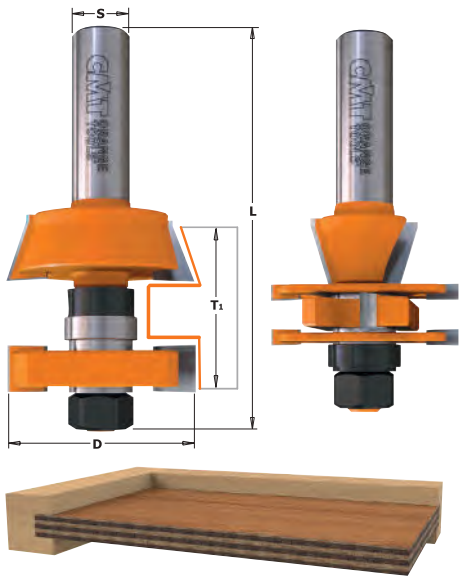


8/900.624

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.



Drawing is 1:1 scale



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

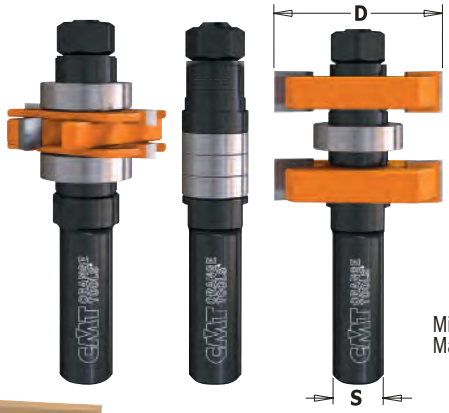
Adjustable Tongue & Groove Bit Set for Mission Style Cabinet Doors



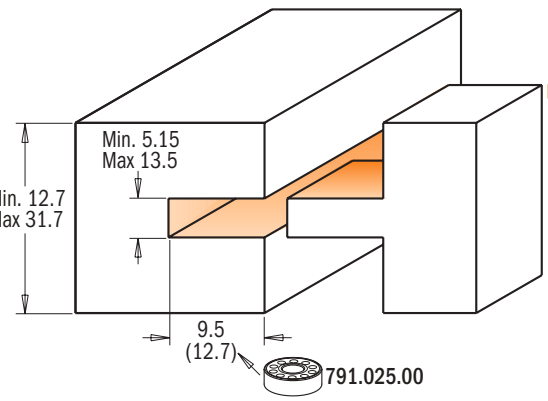
8/900.625

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 in 0.050mm (0.002") increments;
- For groove width from 5mm to 13.5mm;
- Cut stock thickness of 12.7mm to 31.7mm;
- 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	12.7-31.7	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

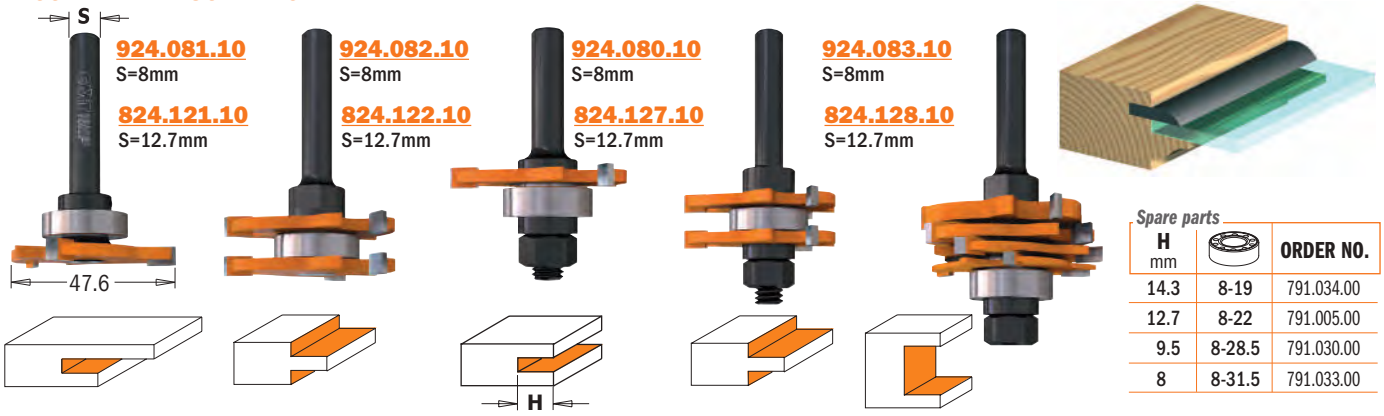
HW Z3 RH

Create slots, grooves and rabbets on all materials using these slot cutter sets. Ideal for biscuit and tongue and groove joints. These sets include 4 different bearings to allow a cutting depth of 8mm, 9.5mm, 12.7mm 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	791.034.00
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
Slot cutter 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
Slot cutter 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

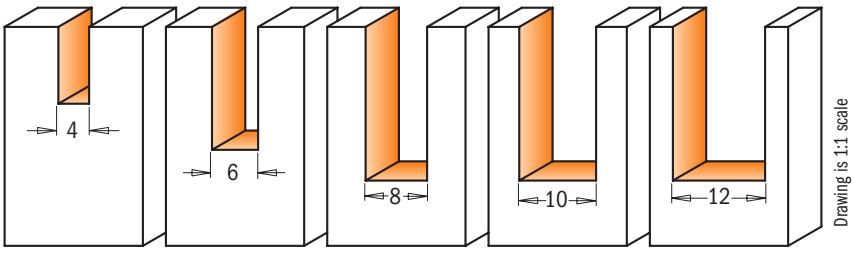
5 Piece Straight Bit Set & Profile Bit Set

A three 5 piece set with a selection of straight bits and the most popular profile router bits.
Sold in a robust protective carry case.

HWM HW Z2 RH

900.005.01

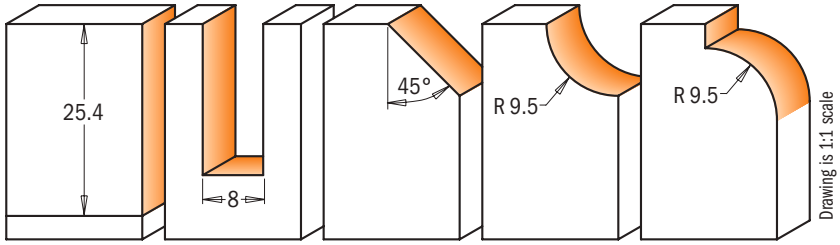




DESCRIPTION			ORDER NO. S=Ø8mm
5 Piece Straight Bit Set	5		**900.005.01**

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**

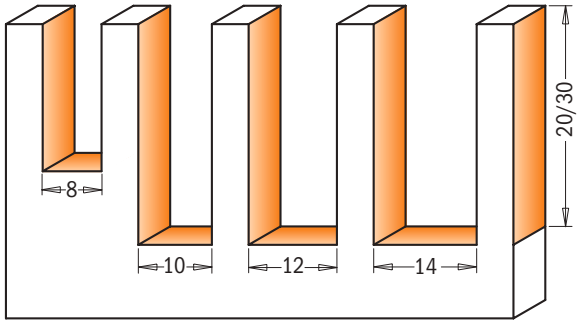


600.005.01

INSERT CARBIDE | Z1 | Z2 | RH | 2X CUTTING

This set is the perfect companion for the professional craftsman. We offer the 5 most popular bits with reversable knives complete with 10 spare knives and 2 TORX® keys. They are perfect for working on all materials such as solid wood, wood derivatives, laminates, MDF, and plastic matierials. For use with a hand held, point-to-point machine or CNC router.





Drawing is 1:1 scale

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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**

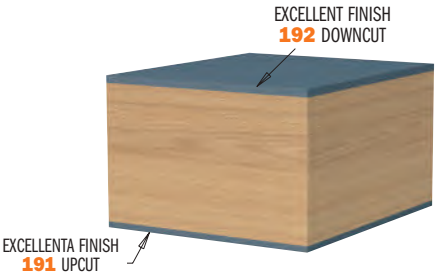
5 Piece Spiral Bit Set

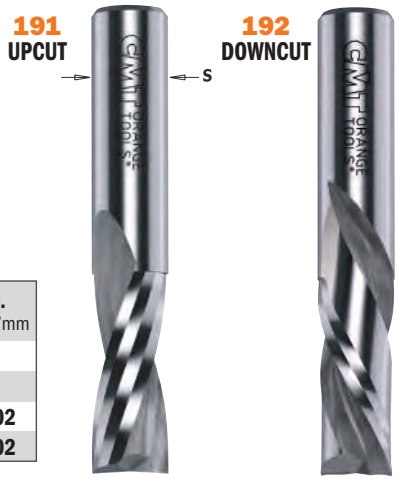


191.0/192.0

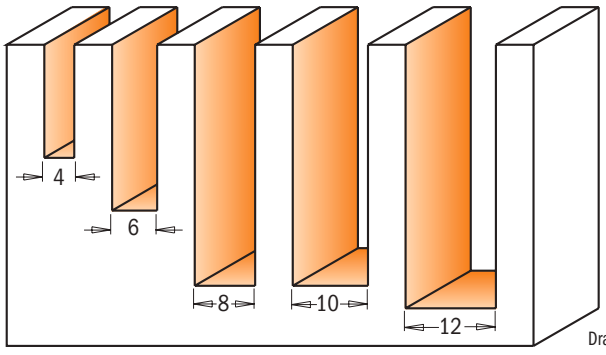
HWM | Z2 | RH

This new set of high quality solid tungsten carbide upcut and downcut spiral bits come in the most popular diameters: 4-8-10-12mm. These bits featuring sharp long-lasting cutting edges guarantee perfect high quality cuts, and the spiral layout allows for a more efficient chip ejection. Recommended for use on hardwood, wood derivatives, laminates and plastic materials.

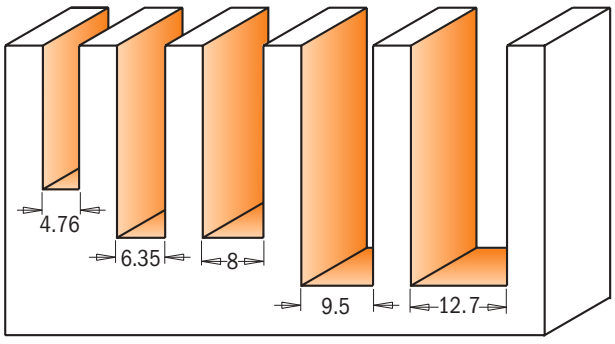




DESCRIPTION			ORDER NO. S=Ø8mm	ORDER NO. S=Ø6.35-12.7mm
5 Piece Upcut Spiral Bit Set	(Ø4 - 6 - 8 - 10 - 12mm)	5	**191.000.01**	
5 Piece Downcut Spiral Bit Set	(Ø4 - 6 - 8 - 10 - 12mm)	5	**192.000.01**	
5 Piece Upcut Spiral Bit Set	(Ø4.76 - 6.35 - 8 - 9.5 - 12.7mm)	5		**191.000.02**
5 Piece Downcut Spiral Bit Set	(Ø4.76 - 6.35 - 8 - 9.5 - 12.7mm)	5		**192.000.02**



Drawing is 1:1 scale



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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

SINTERHIP HI-DENSITY CARBIDE
New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.

BLACK COATING

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.



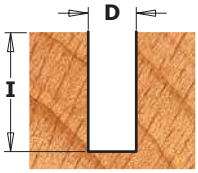
K911-K912

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

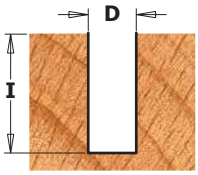


K174

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

PLUNGE CENTRE TIP

This particular kind of cutting edge guarantees long-lasting performance during plunging operations.



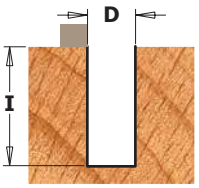


K911B

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

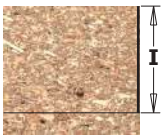


K906

HW Z2 RH

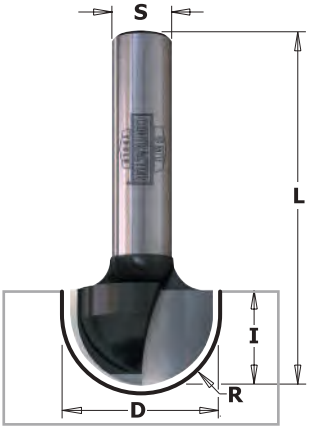
Precise flush trimming of wood or laminate material. Bottom bearing runs effortlessly against finished work piece delivering a smooth to the touch flush trim cut. Two carbide-tipped cutting edge design optimizes performance.

I mm	D mm	L mm	Z		ORDER NO. S=Ø8mm
14	9.5	56	2	10	**K906-096**
25.4	12.7	67	2	10	**K906-127**
25.4	19	67	2	10	**K906-191**



Drawing is 1:1 scale

Round Nose Bits

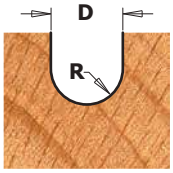


K914

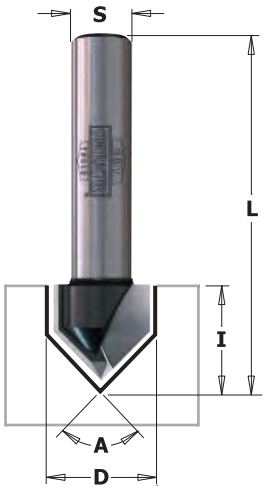
HW Z2 RH

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 that provide a smooth cut in wood and wood derivatives.

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

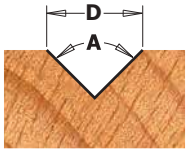


K915-K958

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-groove 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



Drawing is 1:1 scale

Decorative Ogee Bit

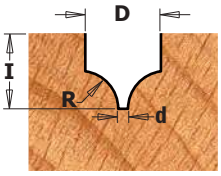


K965

HW Z1 RH

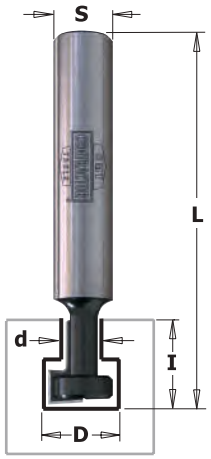
This new CMT bit produces a classic single or double-edged bead.
Ideal for creating a marked decorative effect on panel, door and drawer work.

D mm	d mm	I mm	R mm	L mm		ORDER NO. S=Ø8mm
10	1.3	10	5	50.8	10	K965-100



Drawing is 1:1 scale

Keyhole Bit

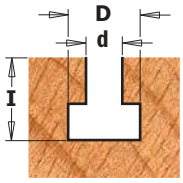


K950

HW Z1 RH

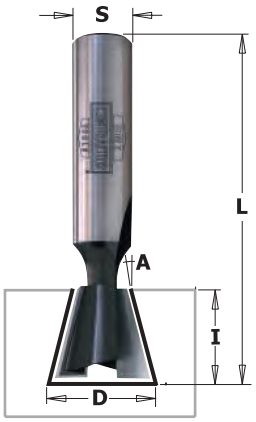
Easily create a hardware-free way to hang pictures and plaques on a wall.
Cuts a keyholed groove or slot in a variety of materials such as wood, plywood and laminates.

D mm	d mm	I mm	L mm		ORDER NO. S=Ø8mm
9.5	4.76	11.1	48	10	K950-095



Drawing is 1:1 scale

Dovetail Bit



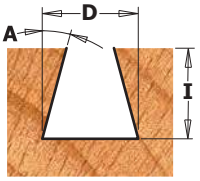
CMT CONTRACTOR TOOLS

K918

HW Z2 RH

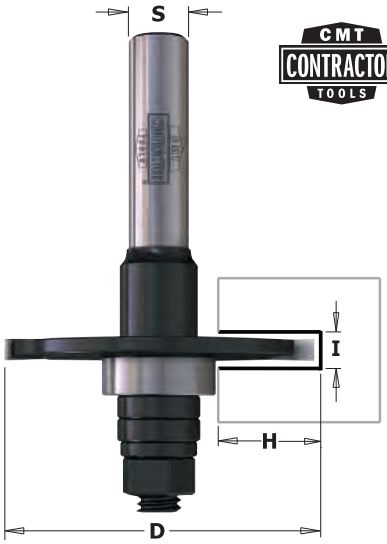
Use our bits with some of the most popular dovetail jigs on the market to create clean dovetail joints in wood and wood composite material. Balanced for good performance.

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



CMT CONTRACTOR TOOLS

K922

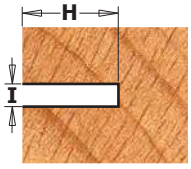
HW Z2 RH

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.

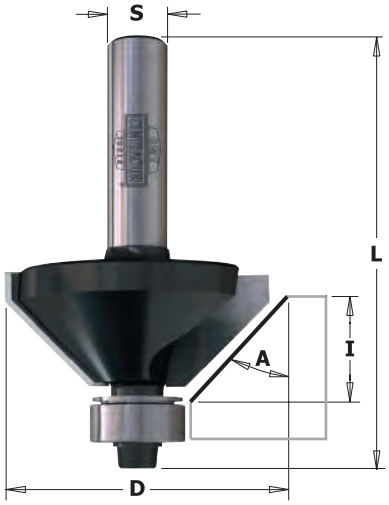
I mm	D mm	H mm	Z		ORDER NO. S=Ø8mm
3	40	12.5	2	10	K922-330A
4	40	12.5	2	10	K922-340A
5	40	12.5	2	10	K922-350A
6	40	12.5	2	10	K922-360A

Ricambi: **791.024.00** Cuscinetto Ø6-15mm
990.095.00 Dado esagonale M6 UNI-5588



Drawing is 1:1 scale

Chamfer Bit



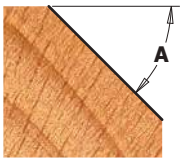
CMT CONTRACTOR TOOLS

K936

HW Z2 RH

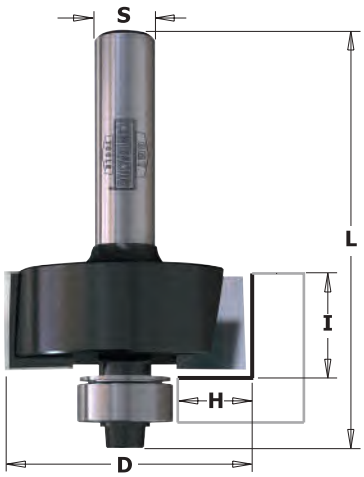
Produce clean, accurate bevel or chamfer edges for edge jointing, decorative edges or perfectly aligned boxes. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

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



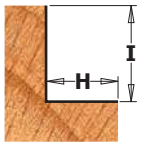
CMT CONTRACTOR TOOLS

K935

HW Z2 RH

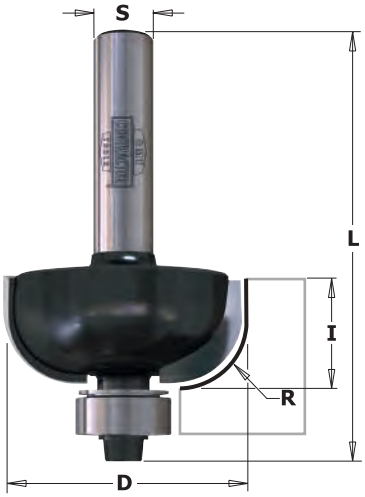
Ideal for creating inset doors and drawer fronts or to re-groove old window frames to accept a panel of glass. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

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

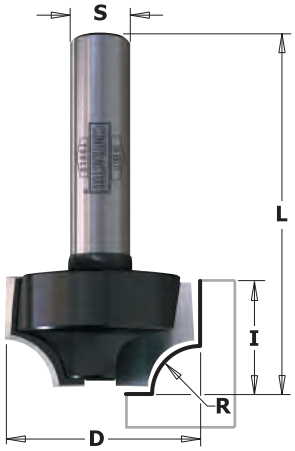
Give your doors and drawer fronts an elegant touch. Pair a cove bit with a roundover bit to create decorative elements on your furniture projects. Features two carbide-tipped cutting edges, anti-kickback design, heat treated shank and body for durability. Bottom bearing included.

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



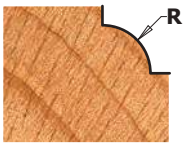
CMT CONTRACTOR TOOLS

K927

HW Z2 RH

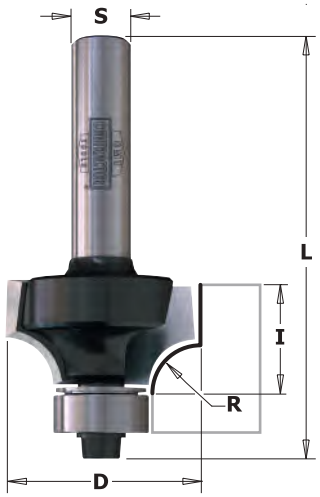
Ideal for furniture makers, you get a roundover with top and bottom bead all in one. Bit equipped with two carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for increased durability.

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

Roundover & Beading Bits



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**

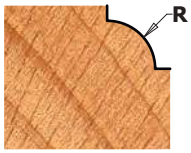


EACH BIT INCLUDES A 9mm (3/8") BEARING FOR BEADING PROFILES

ROUNDOVER

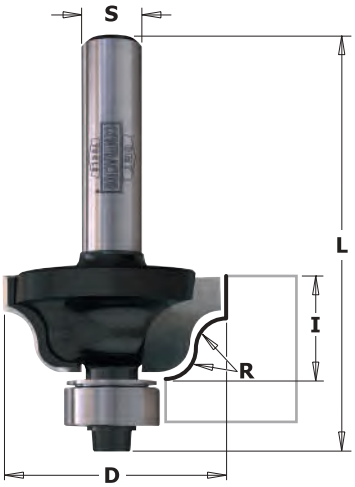


BEADING



Drawing is 1:1 scale

Roman Ogee Bit



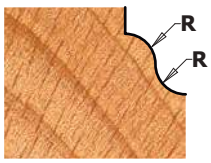
CMT CONTRACTOR TOOLS

K940

HW Z2 RH

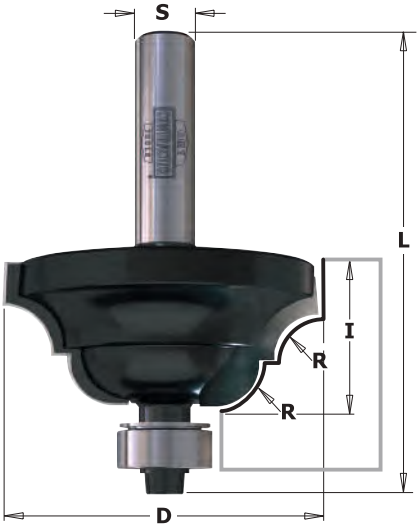
A very popular bit for making a wavy profile which, gives a touch of class to your furniture. These bits feature an anti-kickback design, rust-resistant black coating and include a smooth running bearing for template work.

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



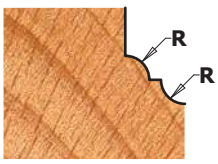
CMT CONTRACTOR TOOLS

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

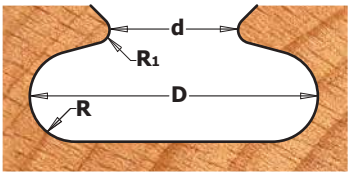


K955

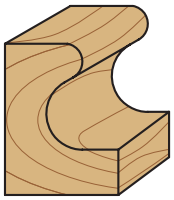
HW Z2 RH

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



Drawing is 1:1 scale



5 Piece Straight Router Bit Set



K900-005-01

HW Z1 Z2 RH

D mm	I mm	L mm	Z	ORDER NO. S=Ø8mm
4	11	51	1	K911-040
6	16	51	1	K911-060
8	20	51	2	K911-080
10	20	51	2	K911-100
20	25	56	2	K911-200

5 Piece Basic Router Bit Set



K900-005-02

HW Z2 RH

D mm	I mm	R mm	L mm	A	ORDER NO. S=Ø8mm
12	20		51		K911-120
16	25.4		70		K911-160B
12.7	25.4		67		K906-127
25.4	13.5	6.3	55		K938-254
35	15		56	45°	K936-350

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!

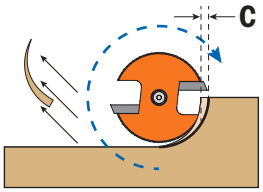
- **What equipment are you using?** Using brand new equipment of high quality is not the same as using outdated machinery! It is important to understand that vibration is the direct result of wear and tear, which can lead to a poor quality finish. Feed rate should be chosen in order to dampen vibration, 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	
		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®)
		DECREASE

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CNC ROUTER CUTTERS & CHUCKS

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CMT XTREME BALANCING®



KINETIC DUST EXTRACTOR

992 REMOVES MDF & CHIPBOARD DUST FROM THE WORKPIECE

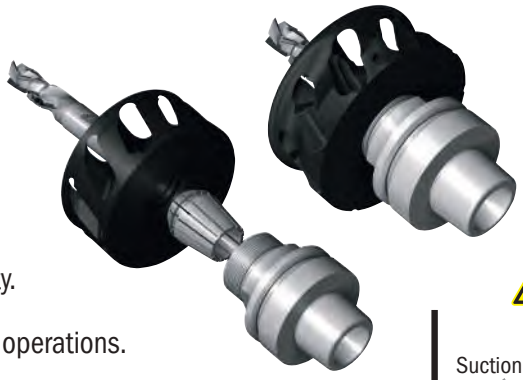
RH

DESCRIPTION	D mm		ORDER NO.
Kinetic Dust Extractor for chucks with ER20	80	1	**992.081.ER20**
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 for KINETIC ER20/ER25
991.284.00 C-Spanner 95-100mm (17112) for KINETIC ER32/ER40



Optional:
(required for installation, not included)



EASY TO USE!

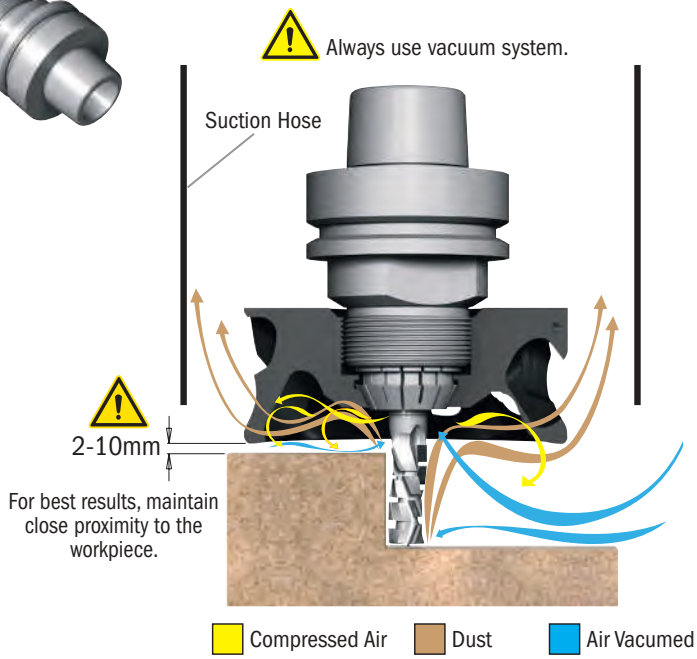
Installation and removal just like a clamping nut

- Better health & safety on the worksite.
- Better air quality on the worksite.
- Improves tool performance & cut quality.
- Longer tool life & reduced labor costs.
- Recommended for Nesting and routing operations.
- No wasted time throughout operation.
- Replaces the standard clamping nut.
- Suitable for any collet chucks with standard router bits.
- Available for ER32 - ER40 - EOC25 (DIN6388) collets.
- Tough ceramic coating offers anti-corrosion, anti-friction and anti-static protection.
- Tool body in light alloy.
- Lightweight and quiet.
- Performs even at low RPM: from 6.000 up to 20.000 RPM.
- Materials: chipboard, coated chipboard, MDF, CORIAN®, plasterboard, OSB, HPL.

SAFETY TIPS



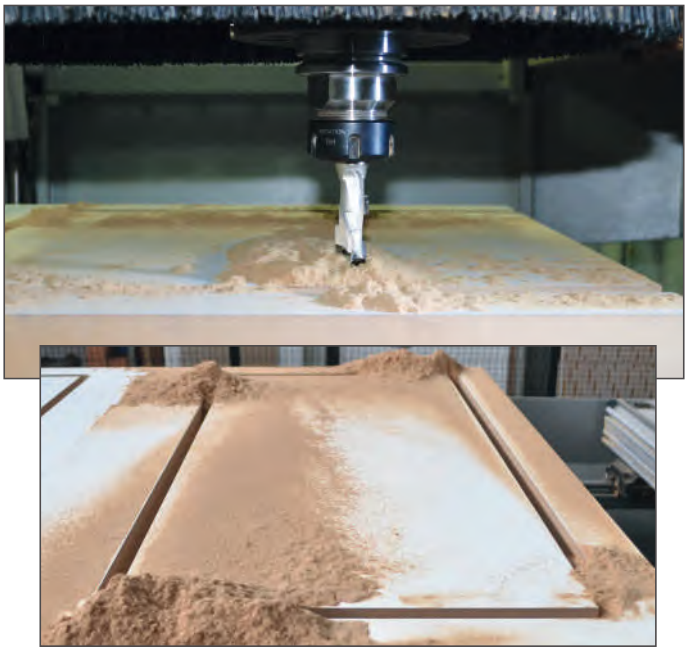
The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).



Download instructions sheets from our website

Watch the video on YouTube

WORKING WITHOUT KINETIC DUST EXTRACTOR



WORKING WITH KINETIC DUST EXTRACTOR



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HSK-63F Chucks for “ER32” Precision Collets



183.300 XTREME

RH LH

S	TO BE USED WITH COLLET	ORANGE CHROME	NOTE		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-63F	ER32	✔	Clamping nut without bearing	1	183.300.01	183.300.02
HSK-63F	ER32	✔	Clamping nut with bearing	1	183.300.11*	
HSK-63F	ER32		Clamping nut without bearing	1	183.300.91	
HSK-63F	ER32		Clamping nut with bearing	1	183.300.93*	

Optional: **990.118.00** M6x10mm screw with blue threadlocker

* Suitable for right-hand and left-hand rotation.

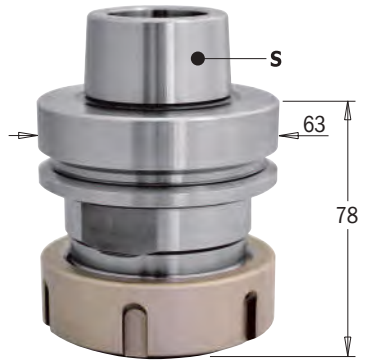
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

ORANGE CHROME® COATING
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

SAFETY TIPS

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

HSK-63F Chucks for “ER40” Precision Collets



183.310 XTREME

RH LH

S	TO BE USED WITH COLLET	ORANGE CHROME	NOTE		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-63F	ER40	✔	Clamping nut without bearing	1	183.310.01	183.310.02
HSK-63F	ER40	✔	Clamping nut with bearing	1	183.310.11*	
HSK-63F	ER40		Clamping nut without bearing	1	183.310.91	
HSK-63F	ER40		Clamping nut with bearing	1	183.310.93*	

Optional: **990.117.00** M6x6mm screw with blue threadlocker

* Suitable for right-hand and left-hand rotation.

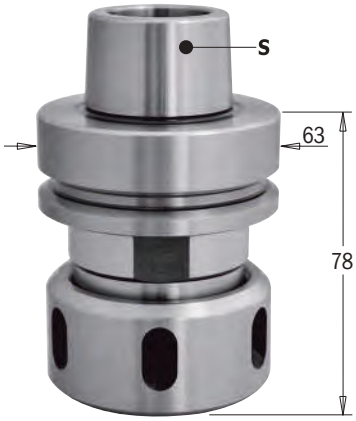
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

ORANGE CHROME® COATING
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

SAFETY TIPS

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

HSK-63F Chucks for “EOC25” Precision Collets “DIN6388”



183.320

RH LH

S	TO BE USED WITH COLLET	NOTE		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-63F	EOC25	Clamping nut with bearing	1	183.320.01*	
HSK-63F	EOC25	Clamping nut without bearing	1	183.320.03	

Spare parts: **992.283.01** Clamping nut without bearing
992.283.11 Clamping nut with bearing

* Suitable for left-hand rotation too.

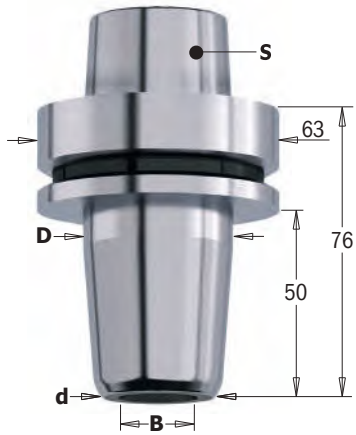
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® e MASTERWOOD® machines.

ORANGE CHROME® COATING
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

SAFETY TIPS

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

HSK-63F Chucks for Shrink Fit Holders



183.075

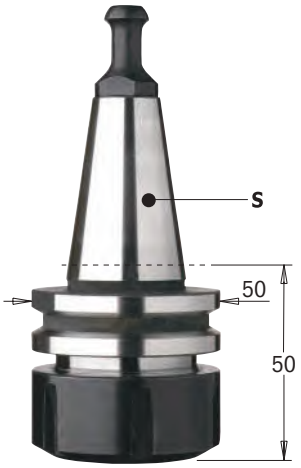
LH RH

S	B mm	d mm	D mm			ORDER NO.
HSK-63F	12	24	32		1	183.075.12
HSK-63F	16	27	34		1	183.075.16
HSK-63F	20	33	42		1	183.075.20
HSK-63F	25	44	53		1	183.075.25

SPECIAL STEEL UNI 1.2344
- Prevents overheating.
- Protects against corrosion and rust.
- Longer life and greater tool performance.

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ISO30 Chucks for “ER32” Precision Collets





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**

995.200 For BIESSE® machines.



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**

995.201 For BIESSE® machines with OMLAT® engine, NUOVA BULLERI BREVETTI®, BUSELLATO®, CMS® and IMA® machines.



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**

995.202 For ALBERTI® and MASTERWOOD® machines.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

ISO30 Chucks for “ER40” Precision Collets





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**	

995.200 For BIESSE® machines.



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**	

995.201 For BIESSE® machines with OMLAT® engine, NUOVA BULLERI BREVETTI®, BUSELLATO®, CMS® and IMA® machines.



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**	

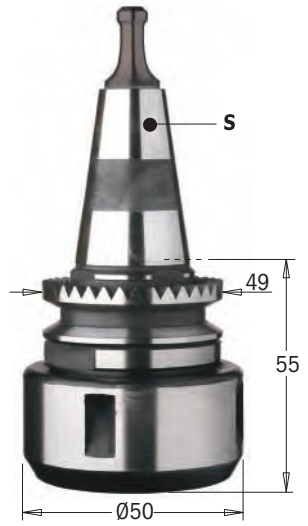
995.202 For ALBERTI® and MASTERWOOD® machines.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

ISO30 Chucks for “ER32” Precision Collets





183.250

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**

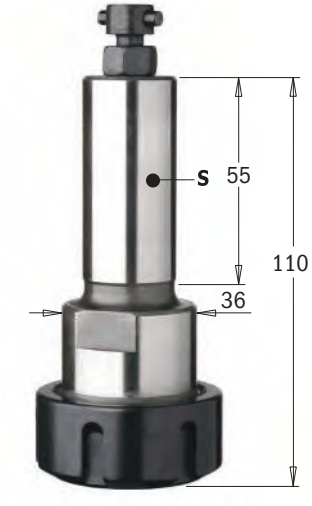
995.250 For MORBIDELLI® and SCM® machines.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

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995.400

183.400 WITH PARALLEL SHANK Ø25MM

RH

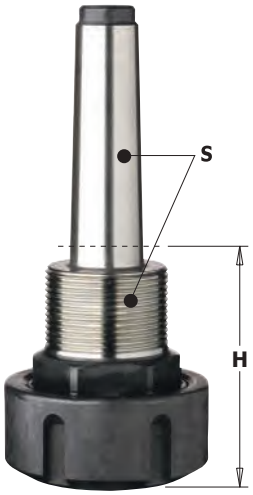
S mm	TO BE USED WITH COLLET	RETAINING STUD		ORDER NO. Right-hand rotation	
Ø25x55	ER32	LEUCO® P-SYSTEM®	1	**183.400.01**	

For machines with LEUCO® P-SYSTEM®.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).



183.000/100 WITH MK2/MK3 TAPERED SHANK

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**	

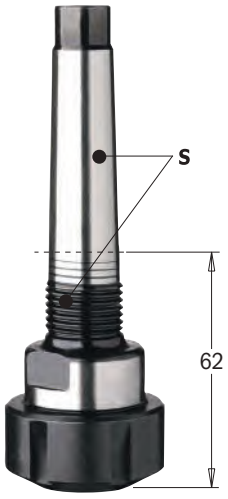
MK2/MK3 tapered shank

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

Chucks for Biconical Collets 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 C-spanner

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).
The **TW-2836** Hook Insert can be used with this item (see page 421).



124 BICONICAL COLLETS

B mm	B inches		ORDER NO.	B mm	B inches		ORDER NO.
6		1	**124.060.00**	10		1	**124.100.00**
6.35	1/4	1	**124.064.00**	12		1	**124.120.00**
8	5/16	1	**124.080.00**	12.7	1/2	1	**124.127.00**
9.5	3/8	1	**124.095.00**	14		1	**124.140.00**

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CMT ORANGE TOOLS®

184 **TECHNICAL DETAILS:**
Replaceable **Standard Precision 0.015** collets. 0; -0.7mm wide clamping tolerance.
Replaceable **High Precision 0.005** collets. 0; -1mm wide clamping tolerance.
Suitable for most conical chucks.
Special dimensions available on request.

STANDARD SP 0.015

RUN-OUT
This tolerance is guaranteed only on the nominal diameter

HIGH HP 0.005 XTREME

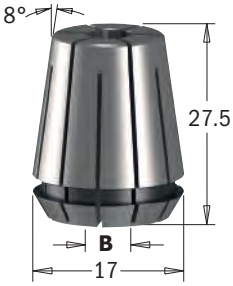
ER11



B mm	ORDER NO. STANDARD
2	184.020.11
3	184.030.11
4	184.040.11
5	184.050.11
6	184.060.11

BULK PACK 10 PCS.

ER16



B mm	B inches	ORDER NO. STANDARD	B mm	B inches	ORDER NO. STANDARD
2		184.020.16	7		184.070.16
3		184.030.16	8	5/16	184.080.16
4		184.040.16	9		184.090.16
5		184.050.16	10		184.100.16
6		184.060.16			

BULK PACK 10 PCS.

ER20



B mm	B inches	ORDER NO. STANDARD	B mm	B inches	ORDER NO. STANDARD
2		184.020.20	8	5/16	184.080.20
3		184.030.20	9		184.090.20
4		184.040.20	10		184.100.20
5		184.050.20	11		184.110.20
6		184.060.20	12		184.120.20
6.35	1/4	184.064.20	12.7	1/2	184.127.20
7		184.070.20			

BULK PACK 10 PCS.

ER25



B mm	B inches	ORDER NO. STANDARD
3		184.030.25
4		184.040.25
5		184.050.25
6		184.060.25
6.35	1/4	184.064.25
8	5/16	184.080.25
9		184.090.25
10		184.100.25
12		184.120.25
12.7	1/2	184.127.25
14		184.140.25
16	5/8	184.160.25

BULK PACK 10 PCS.

ER32



For chucks:
183.000/100/200/250/300/400

B mm	B inches	ORDER NO. STANDARD (SP 0.015)	ORDER NO. HIGH (HP 0.005)	B mm	B inches	ORDER NO. STANDARD (SP 0.015)	ORDER NO. HIGH (HP 0.005)
3		184.030.00		11		184.110.00	
4		184.040.00	184.040.00H	12		184.120.00	184.120.00H
5		184.050.00		12.7	1/2	184.127.00	
6		184.060.00	184.060.00H	14		184.140.00	
6.35	1/4	184.065.00		15		184.150.00	
7		184.070.00		16	5/8	184.160.00	184.160.00H
8	5/16	184.080.00	184.080.00H	17		184.170.00	
9		184.090.00		18		184.180.00	
9.53	3/8	184.095.00		19	3/4	184.190.00	
10		184.100.00	184.100.00H	20		184.200.00	184.200.00H

BULK PACK 10 PCS.

ER40



For chucks:
183.201/211/221/310

B mm	B inches	ORDER NO. STANDARD (SP 0.015)	ORDER NO. HIGH (HP 0.005)	B mm	B inches	ORDER NO. STANDARD (SP 0.015)	ORDER NO. HIGH (HP 0.005)
3		184.032.00		12		184.122.00	184.122.00H
4		184.042.00		12.7	1/2	184.128.00	
5		184.052.00		14		184.142.00	
6		184.062.00	184.062.00H	16	5/8	184.162.00	184.162.00H
6.35	1/4	184.064.00		18		184.182.00	
7		184.072.00		19	3/4	184.192.00	
8	5/16	184.082.00	184.082.00H	20		184.202.00	184.202.00H
9.53	3/8	184.096.00		25		184.252.00	184.252.00H
10		184.102.00					

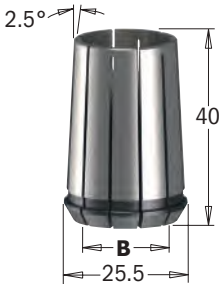
BULK PACK 10 PCS.

185 **TECHNICAL DETAILS:**
Replaceable **Standard Precision 0.015** collets. 0; -0.7mm wide clamping tolerance.
Suitable for most conical chucks.
Special dimensions available on request.



EOC25

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	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**



EOC16

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**

Clamping Nuts



992.583 FOR «ER25»

RH LH

DESCRIPTION	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing	42	M32x1.5	1	**992.583.01**	**992.583.02**



992.183 FOR «ER32»

RH LH

DESCRIPTION	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing					
For 183.000/100/200/250/300/400 chucks	50	M40x1.5	1	**992.183.01**	**992.183.02**
Clamping nut with bearing					
For 183.000/100/200/250/300/400 chucks	50	M40x1.5	1	**992.183.11**	**992.183.12**



992.383 FOR «ER40»

RH LH

DESCRIPTION	D mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing					
For 183.201/211/221/310 chucks	63	M50x1.5	1	**992.383.01**	**992.383.02**
Clamping nut with bearing					
For 183.201/211/221/310 chucks	63	M50x1.5	1	**992.383.11**	



992.283 FOR «EOC25»

RH

DESCRIPTION	D mm	S mm		ORDER NO. Right-hand rotation	
Clamping nut without bearing for chuck 183.320	60	M48x2	1	**992.283.01**	
Clamping nut with bearing for chuck 183.320	60	M48x2	1	**992.283.11**	

ISO30 Retaining Studs



995

DESCRIPTION		D mm	D2 mm	ORDER NO.
For 183.200/201	BIESSE® chucks	8	12.8	**995.200.00**
For 183.210/211	BIESSE®, OMLAT®, NUOVA BULLERI BREVETTI®, BUSELLATO®, WEEKE®, IMA®" chucks	9	13	**995.201.00**
For 183.220/221	ALBERTI® - MASTERWOOD® chucks	9	12.8	**995.202.00**
For 183.250/251	SCM® - MORBIDELLI® chucks	6.5	8.5	**995.250.00**
For 183.400	LEUCO® P-SYSTEM® chucks	M8		**995.400.00**

C-Spanner



991.183/184

DESCRIPTION		ORDER NO.
C-Spanner for "ER32" (M40x1.5mm)	1	**991.183.00**
C-Spanner for "ER40" (M50x1.5mm)	1	**991.184.00**



991.283 FOR «DIN6388» AND «ER40»

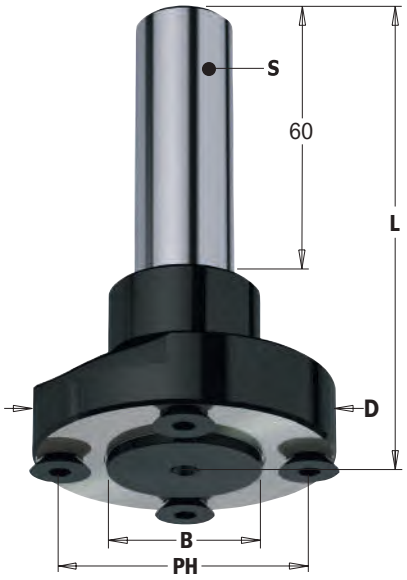
DESCRIPTION		ORDER NO.
C-Spanner for 58-62-65mm	1	**991.283.00**



991.284/285 FOR KINETIC

DESCRIPTION		ORDER NO.
C-Spanner 80-90mm for KINETIC ER20/ER25	1	**991.285.00**
C-Spanner 95-100mm (17112) for KINETIC ER32/ER40	1	**991.284.00**

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 hex key
991.064.00 4mm hex key

Optional: **990.083.00** M6x8x10mm TSPEI screw (to use with Plate Thickness < 2.2mm)

Max saw blade Ø 250mm for chuck **183.410.30**

Do not exceed maximum RPM indicated on the blade.



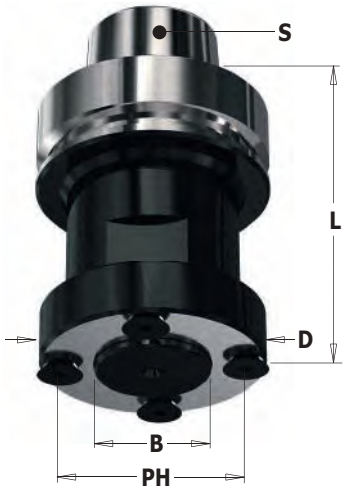
Grooving saw blades available at page 58 on request.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



183.420

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 hex key

Max saw blade Ø 250mm for chuck 183.420.30

Do not exceed maximum RPM indicated on the blade.

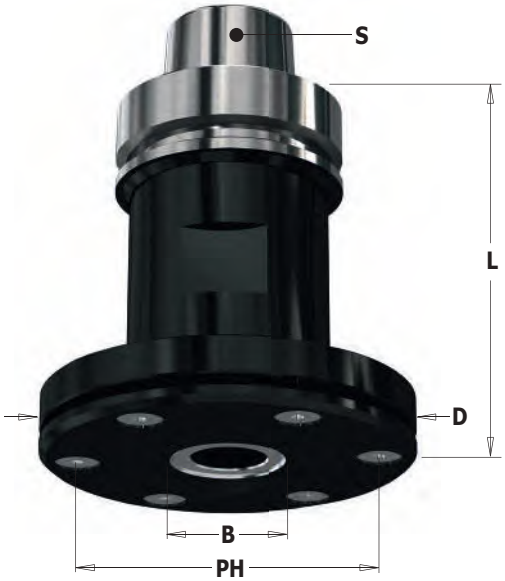


Grooving saw blades available at page 58 on request.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



183.421

S	D mm	B mm	PIN HOLE	L mm		ORDER NO.
HSK-63F	98	30	6/M6/80	94	1	183.421.30

Spare parts: **990.119.00** M6x12x16mm TSPEI screw
991.064.00 4mm hex key

Max saw blade Ø 300mm for chuck 183.421.30

Do not exceed maximum RPM indicated on the blade.

WITH FLANGE Ø98mm

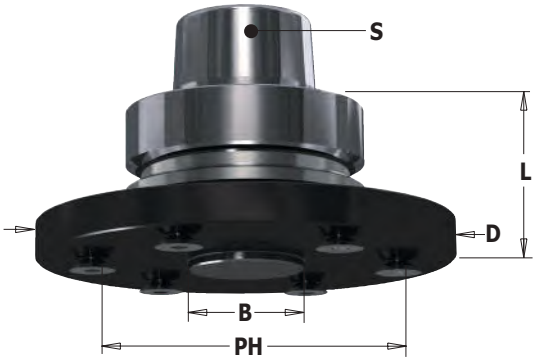


Grooving saw blades available on request.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



183.422

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 hex key

Max saw blade Ø 350mm for chuck 183.422.30

Do not exceed maximum RPM indicated on the blade.



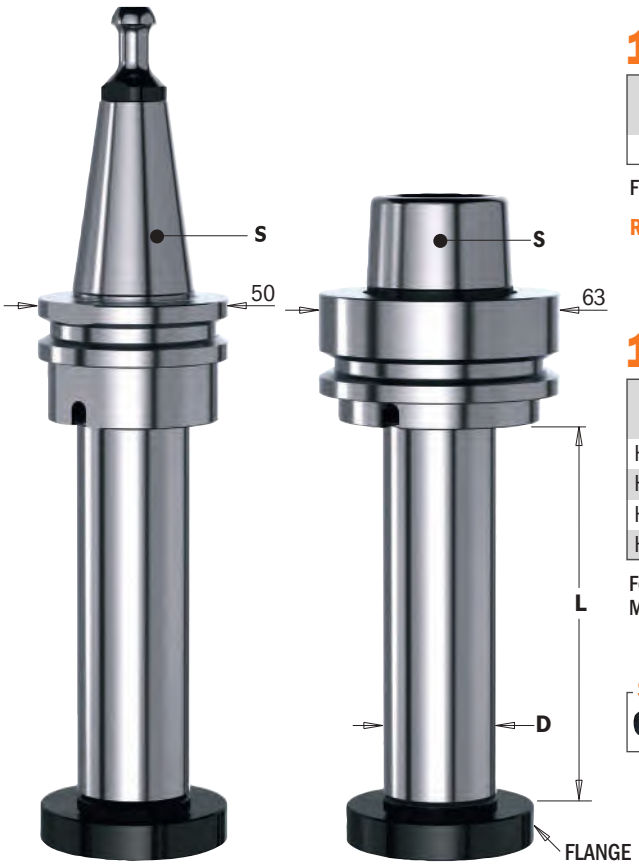
Grooving saw blades available on request.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

Cutter Arbor Chucks with Tapered Shank



183.260

LH RH

S	DESCRIPTION	D x L mm		ORDER NO.
ISO30	Cutter arbor with ISO30 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®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

Spare Parts for Cutter Arbor Chucks

Standard



Optional



DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
M6x25 TCEI screw	**990.098.00**	***Optional Steel Flange***	
Steel flange for with Ø30mm arbors - Male	**992.560.30M**	For with Ø30mm arbors - Female	**992.560.30F**
Steel flange for with Ø35mm arbors - Male	**992.560.35M**	For with Ø35mm arbors - Female	**992.560.35F**
Steel flange for with Ø40mm arbors - Male	**992.560.40M**	For with Ø30mm arbors - Female	**992.560.40F**

Universal Assembly Supports for Chucks



183

SUITABLE FOR	D mm		ORDER NO.
HSK-63, BT40, ISO40 DIN 2080, SK40 DIN 69871, CAPTO® C6	63	1	**183-HSK**
ISO30, DIN 2080, SK30 DIN 69871, HSK50, CAPTO® C5	50	1	**183-ISO***

*Not compatible with chucks **183.250** and **183.251**

CMT now offers new universal assembly supports for HSK-63F and ISO30 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.

Nm Max = 300 Nm



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EXTRA HARD DLCS CHROME COATING

XTREME COATING

THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

DLCS is a modified diamond-like carbon coating that delivers outstanding performance. Chromium Nitride reinforced with layered carbon ensure durability and hardness, enhancing surface resilience and improving tribological properties. The coating shields against excessive overheating, which could otherwise jeopardize tool performance over time.

EXTREME COATING HARDNESS >2.500 HV	ULTRA-THIN COATING 2-4 µm	REDUCED FRICTION COEFFICIENT (0,1-0,2)	OPTIMAL RESISTANCE TO HEAT BUILD UP
Offers impressive hardness on cutting edges as well as outstanding protection against wear and tear.	The micron thin finish maintance perfect sharpness for excellent cutting quality.	Very good running-in and low friction losses. Reduction of sticking. Ideal for high speeds in Nesting applications.	Reduced overheating. Cutting edges resist excessive wear even up to 400°C.

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



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EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

190.41 DLCS CHROME COATING

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
8	32	7	80	8	2+2	10	**190.080.41**
9.53	28.6	7	76.2	9.53	2+2	10	**190.504.41**
10	32	7	80	10	2+2	10	**190.100.41**
10	42	7	90	10	2+2	10	**190.101.41**
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							
9.53	22.2	4.8	76.2	9.53	2+2	10	**190.513.41**
9.53	25.4	5.2	76.2	9.53	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**



190

HWM | Z1+1 | Z2+2 | Z3+3 | RH | UP DOWN

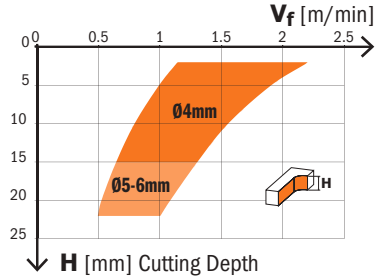
D mm	I mm	I1 mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
4	15	5	50	4	1+1	10	**190.040.11**
5	22	8	60	5	1+1	10	**190.050.11**
6	22	8	60	6	1+1	10	**190.060.11**
6.35	22.2	7	63.5	6.35	2+2	10	**190.008.11**
8	32	7	80	8	2+2	10	**190.080.11**
9.53	28.6	7	76.2	9.53	2+2	10	**190.504.11**
10	32	7	80	10	2+2	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							
9.53	22.2	4.8	76.2	9.53	2+2	10	**190.513.11**
9.53	25.4	5.2	76.2	9.53	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**
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 efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

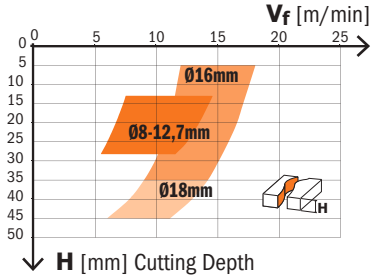
Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

Ø4-6mm CHIPBOARD



24000 RPM
Correction factor for Vf: MDF=0.8

Ø8-18mm CHIPBOARD



18000 RPM
Correction factor for Vf: MDF=0.8



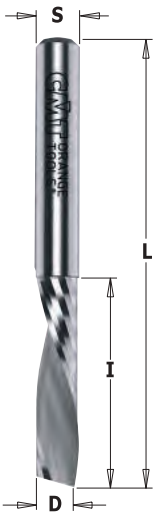
198 UPCUT SPIRAL

HWM Z1 RH UP

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	15.88	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**	
9.53	28.57	76.2	9.53	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 efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.



198 DOWNCUT SPIRAL

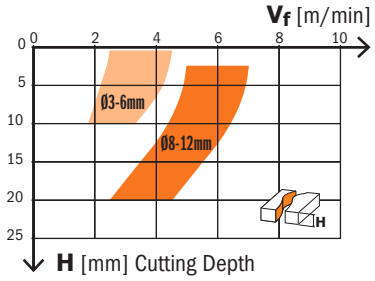
HWM Z1 RH DOWN

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.**
- Downward chip ejection.

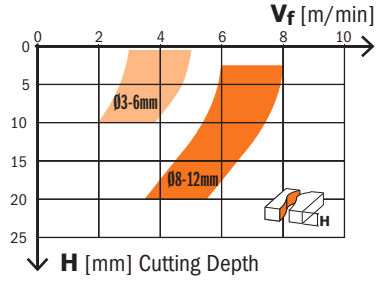
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

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

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
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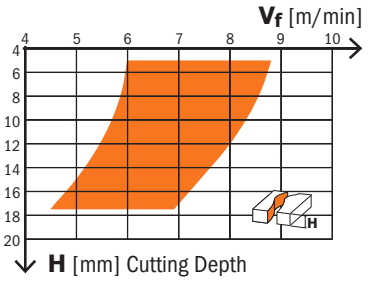


191

HWM Z2 RH UP

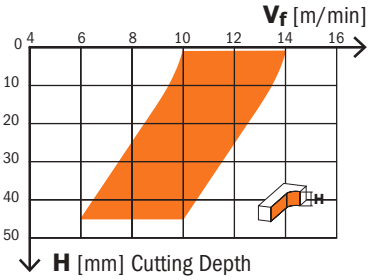
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
3	12	50	3	10	**191.030.11**	
3	12	60	6	10	**191.630.11**	
3	12	60	8	10	**191.830.11**	
3.18	12.7	50.8	6.35	10	**191.001.11**	
3.5	12	60	6	10	**191.635.11**	
3.97	12.7	50.8	6.35	10	**191.003.11**	
4	15	50	4	10	**191.040.11**	
4	15	60	6	10	**191.640.11**	
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**	
9.53	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 efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

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EXTRA HARD DLCS CHROME COATING

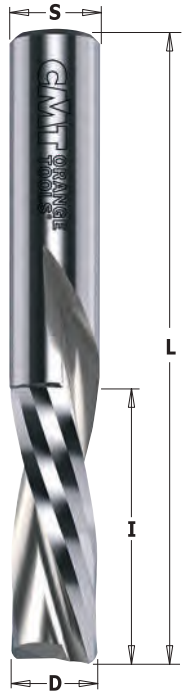
3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

192.41 DLCS CHROME COATING

HWM Z2 RH DOWN

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
6.35	19.05	50.8	6.35	10	**192.007.41**
6.35	25.4	63.5	6.35	10	**192.008.41**
9.53	31.75	82.5	12.7	10	**192.503.41**
12.7	31.75	76.2	12.7	10	**192.505.41**
12.7	38.1	88.9	12.7	10	**192.506.41**
12.7	50.8	101.6	12.7	10	**192.507.41**



192

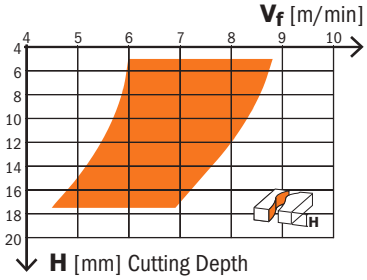
HWM Z2 RH DOWN

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**
9.53	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**

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral edges [Z2].
- **Provide an excellent finish on the upper side of the workpiece.**
- Downward chip ejection.

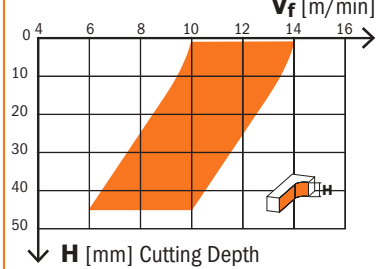
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Ø12-14mm PLASTICS, LAMINATED



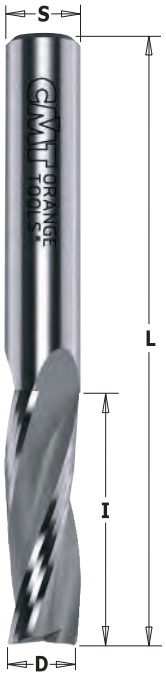
14000-18000 RPM

Ø12-20mm SOFTWOOD



18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

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.



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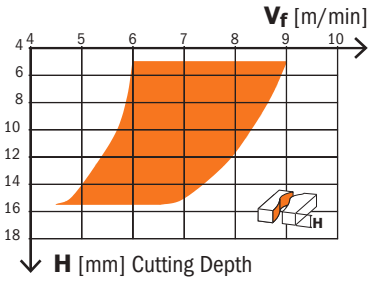
HWM Z3 RH LH UP

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**	
20	102	165	20	1	**193.202.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

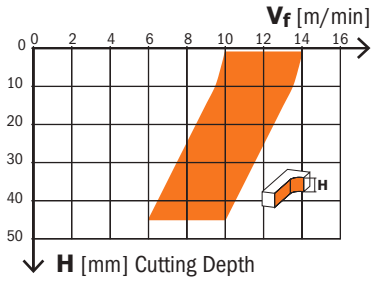
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed.
Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Ø12-14mm PLASTICS, LAMINATED



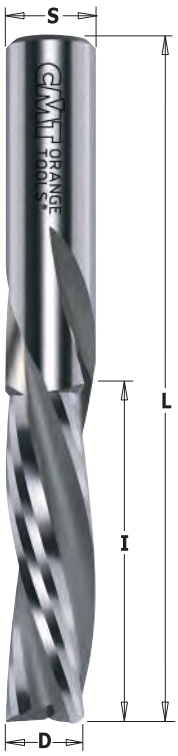
14000-18000 RPM

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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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.



194

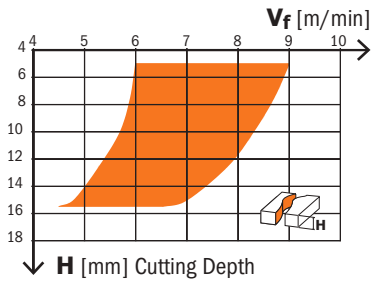
HWM Z3 RH LH DOWN

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
new 8	32	80	8	10	**194.081.11**	
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	140	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.

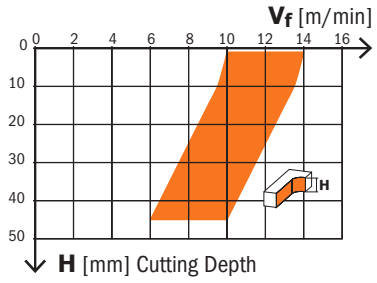
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed.
Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

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

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.



195

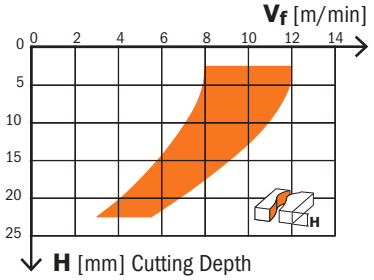
HWM Z3R RH LH UP

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**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chipbreaker teeth.
- Max 0.3mm tooth depth.
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

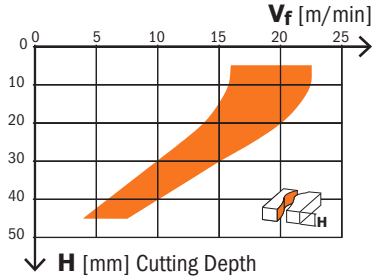
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Ø8-10mm SOFTWOOD



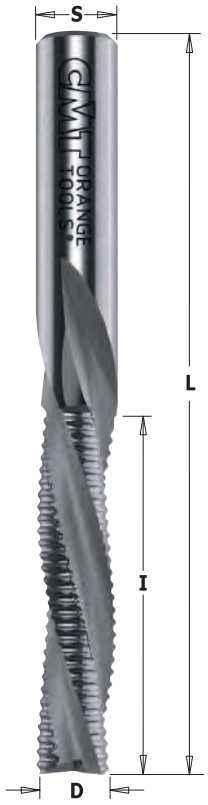
18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

Ø12-20mm SOFTWOOD



18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

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196

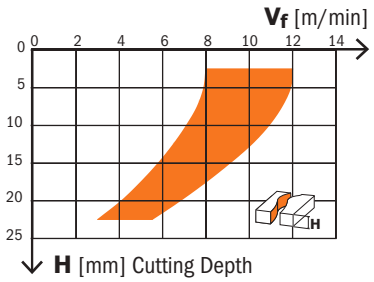
HWM Z3R RH LH DOWN

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	120	16	1	**196.160.11**	**196.160.12**
18	55	110	18	1	**196.180.11**	
20	60	140	20	1	**196.200.11**	
20	72	140	20	1	**196.201.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chipbreaker teeth.
- Max 0.3mm tooth depth.
- **Provide excellent finish on the upper side of the workpiece.**
- Downward chip ejection.

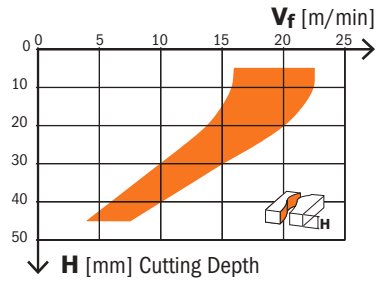
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

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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Z4R - Solid Carbide Upcut Spiral Bits



197

HWM Z4 RH UP

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	72	120	20	1	**197.201.11**	

TECHNICAL DETAILS:
- Premium quality HWM.
- 4 spiral cutting edges (2 with chipbreaker) [Z2+2R].
- Max 0.1mm tooth depth.
- **Provide excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing 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 adaptors.



The special 4 flute design (Z2 finishing + Z2R with chipbreaker) allows high speed with excellent finish on the workpiece.

Solid Carbide Upcut & Downcut Spiral Bit - LONG LIFE



P-System®

EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

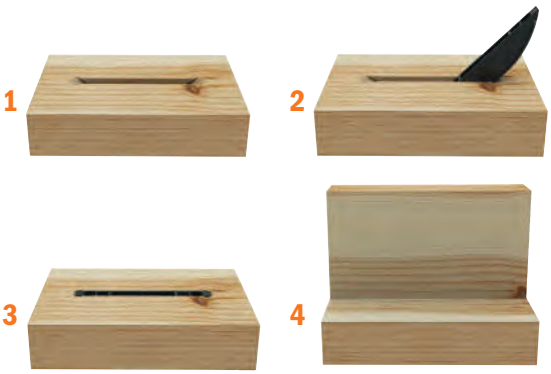
190.04 DLCS CHROME COATING

HWM Z2+2 RH

D mm	d mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
9.8	7	25	83	12	2+2	10	**190.001.04**

LAMELLO® P-SYSTEM® components can be crafted on a CNC machining center.
Groovework is carried out along the edge workpiece with a spiral cutter coated with DLCS for long life.







FOR USE ONLY ON 5 AXIS CNC MACHINES.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Solid Carbide Upcut 2D/3D Carving Tapered Ball Nose Spiral Bits



152

HWM Z2 Z3 RH UP

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
- 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
- MDF/HDF
- Phenolics
- Phenolic Composites
- Plastics
- Poly (methyl methacrylate) (PMMA)
- Polyethylene Foam
- 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

ALSO EXCELLENT FOR
- CORIAN®
- COROPLAST®
- DIBOND®
- ETHAFOAM®
- LEXAN®
- PALFOAM®
- POLYLAM®

Round Nose Solid Carbide Upcut Spiral Bits



199

HWM Z2 RH UP

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**	
9.53	4.76	28.57	76.2	9.53	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	9.53	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 efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors. Cost-effective solution with respect to brazed and spiral in tungsten carbide.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Solid Carbide Upcut Spiral Bits for Locksets



193-195

HWM Z3R Z3 RH UP

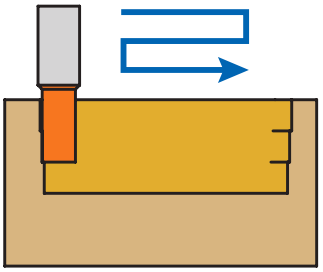
D mm	I mm	I1 mm	L mm	S mm		ORDER NO. Right-hand rotation	
WITH CHIPBREAKER							
14	95*	45	150	14	1	**195.142.11**	
14	125*	45	170	14	1	**195.144.11**	
16	95*	45	150	16	1	**195.162.11**	
16	120*	50	170	16	1	**195.164.11**	
18	95*	45	150	18	1	**195.182.11**	
WITHOUT CHIPBREAKER							
16	95*	45	150	16	1	**193.162.11**	

* The maximum cutting length is achieved in 2-3 passes.

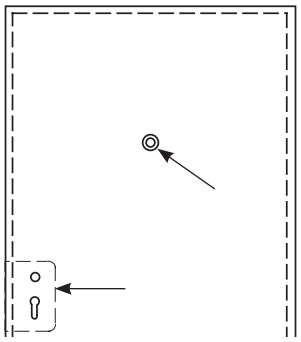
TECHNICAL DETAILS:
- Premium quality HWM.
- 3 spiral cutting edges [Z3] and [Z3R].
- Max 0.3mm tooth depth.
- **Provide an excellent finish on the lower side of the workpiece.**
- Seat for seeger ring ***(not included)***.
- Upward chip ejection.

APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

GUIDE FOR MACHINING DEEP SLOTS



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 Spiral Bits for 60° V-Point Locksets



191-195

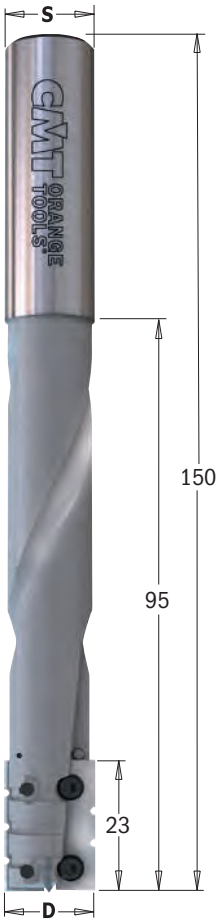
HWM Z3 Z3R RH UP

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
WITH CHIPBREAKER						
14	58	110	14	1	**195.143.11**	
16	55	110	16	1	**195.163.11**	
WITHOUT CHIPBREAKER						
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 efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Spiral Bits with Insert Knives & Chipbreaker for Locksets



662

INSERT CARBIDE | Z2R | RH | 2X CUTTING

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 - 790.230.3R	990.082.00	991.063.00

Spare parts: **790.230.2R** 23x7x1.5mm 2-RT HWM K2020 knives (Minimum 10 pieces or multiple)
790.230.3R 23x7x1.5mm 3-RT HWM K2020 knives (Minimum 10 pieces or multiple)

* **The 95mm length is achieved in 4-5 passes.**

TECHNICAL DETAILS:
- DENSIMET® high density tungsten alloy for low-vibration.
- 2 cutting edges [Z2R] with chipbreakers.

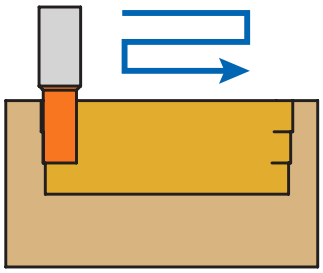
APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors. Cost-effective solution with respect to brazed and spiral in tungsten carbide.

SAFETY TIPS

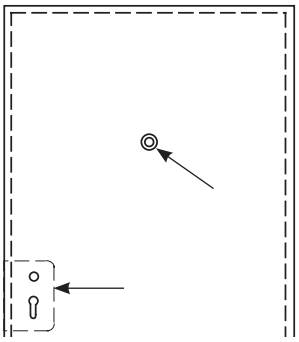


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

GUIDE FOR MACHINING DEEP SLOTS



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 | UP

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**
Available by special request bits without chipbreaker, with left-hand rotation and/or 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.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Z2 - Solid Carbide Upcut Spiral Bits for Aluminium and PVC



186

MIRROR FINISH — HWM — Z2 — RH — UP

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**

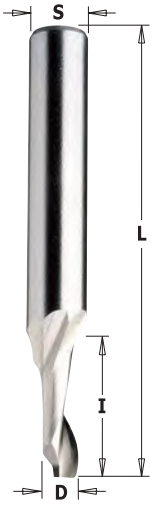
* with seat for seeger retention ring (not included)

*Download working parameters for **186** bits*

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- Extra-fine finish.
- Upward chip ejection.

APPLICATION: used for **plunging, routing and trimming** on plastic 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.

Z1 - Spiral Bits POSITIVE for Aluminium and PVC

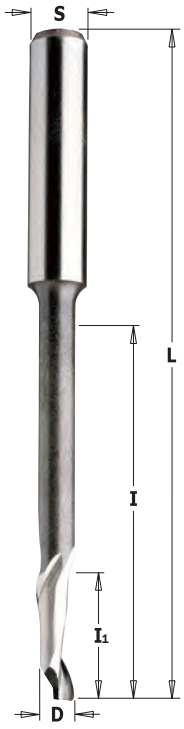


188 5% CO HSS SPIRAL BITS

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 HSS SPIRAL BITS FOR HIGH CUTTING DEPTH

HSS — Z1 — RH

D mm	I mm	I_1 mm	L mm	S mm		ORDER NO.
4	45	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 HSS.
- 1 upcut spiral cutting edge.
- Upward chip ejection.

APPLICATION: for **plunging, routing and trimming** aluminium profiles, plastics with superb efficiency and high feed speed. Can be used on machining centres, **aluminium copy routers, CNC and hand-held routers equipped with chucks or adaptors.**



151 DLCS CHROME COATING

XTREME PERFORMANCE

HWM 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.

APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on glass fiber and fiberglass, phenolic and composite material.
For use on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

EXTRA HARD DLCS CHROME COATING

DLCS CHROME COATING:
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity

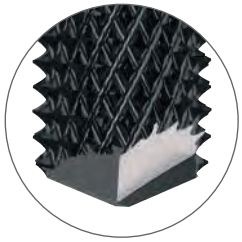


3X LONGER LIFE THAN UNCOATED

DLCS CHROME COATING
PROVIDES 3 TIMES LONGER LIFE THAN UNCOATED TOOLS!

Solid Carbide Bits for Solid Surface & Fiberglass Bit - LONG LIFE





SHARPENING 135°

151 DLCS CHROME COATING

XTREME PERFORMANCE

HWM 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.

APPLICATION:
used for efficient contour cutting, end-trimming and panel sizing on fiberglass, glass fiber phenolic and composite material. The 135° tooth geometry allows vertical feeding minimizing the bending of the workpiece. To be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

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!



141

PCD 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:
- 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:
for boring, contour cutting and panel sizing on veneered and wood-based materials. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.



*** CONSTRUCTION Z1+1 FOR 141.101.61 ITEM**

DP - Router Cutters with Negative Shear Angle - LONG LIFE



141 (HWM TOOL BODY)

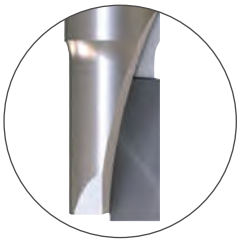
PCD DP | Z1 | RH

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 micrograin carbide formulation.
- Straight cutting edge.
- DP cutting edge (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:
for boring, contour cutting and panel sizing on veneered and wood-based materials. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.



NEGATIVE CUTTING EDGE



140

PCD DP | Z1+1 | RH

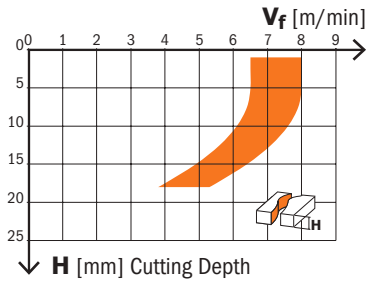
40X LONGER LIFE THAN CARBIDE

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**
15.88	27	85	15.88x50	1+1 (3 DP+1 HW)	1	**140.158.61**
15.88	45	103	15.88x50	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	27	85	19.05x50	1+1 (3 DP+1 HW)	1	**140.190.61**
19	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:
- Strength steel.
- Shear angle.
- DP cutting edge (H2.5).
- HW plunging tip for diagonal plunge-cutting.
- Resharpeable (max 3 times).
- Max feed speed 5 m/min.

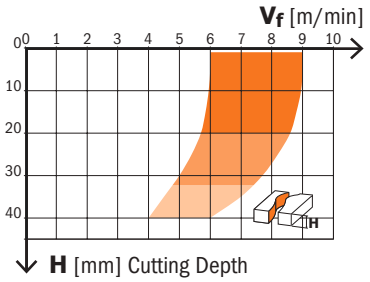
APPLICATION: for contour cutting and panel sizing on hard and abrasive materials such as laminates, MDF and melamine. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.

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

Ø15.88-20mm 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 - LONG LIFE

140

PCD DP | Z1+1 | RH

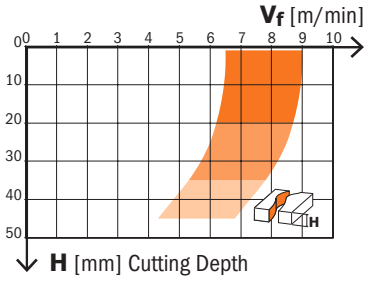
40X LONGER LIFE THAN CARBIDE

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:
- Strength steel.
- DP cutting edge (H4) featuring 45° shear angle.
- HW plunging tip for plunge cutting.
- Resharpenable cutters (max 8-9 times).
- Max feed speed 5 m/min.

APPLICATION:
for contour cutting and panel sizing on hard and abrasive materials such as laminates, MDF and melamine. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.

Ø20mm PLASTIC COATED CHIPBOARD



18000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

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.

DP - Router Cutters with Shear Angle - LONG LIFE



142

40X LONGER LIFE THAN CARBIDE

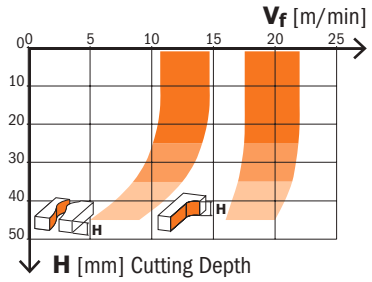
PCD DP | Z2+2 | RH

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:
- Strength steel.
- DP cutting edge (H2.5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 3 times).
- Feed speed: max 10m/min

APPLICATION:
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced 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 - LONG LIFE



142

40X LONGER LIFE THAN CARBIDE

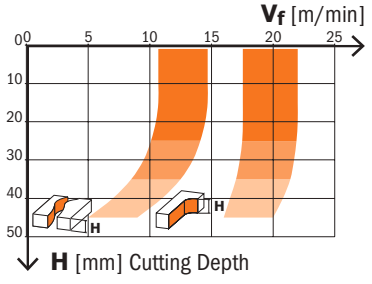
PCD DP | Z2+2 | RH

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:
- Strength steel.
- DP cutting edge (H4) featuring 20° shear angle.
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutters (max 8-10 times).
- Max feed speed 20 m/min.

APPLICATION:
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced 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

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.

DP - Router Cutters with Shear Angle for Nesting - LONG LIFE
(DENSIMET® Tungsten Heavy Metal Alloys)



143

40X LONGER LIFE THAN CARBIDE

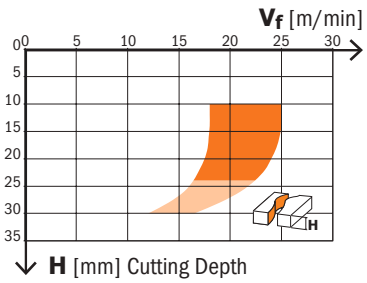
PCD DP | Z3 | RH

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 (10 DP)	1	**143.121.61**

TECHNICAL DETAILS:
- DENSIMET® tungsten heavy metal alloys for low-vibration.
- DP cutting edge (H3).
- Resharpenable cutter (max 6 times).
- Max feed speed 25 m/min.

APPLICATION:
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels. High performance pre-finishing 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 - LONG LIFE



143

40X LONGER LIFE THAN CARBIDE

PCD DP | Z3 | RH

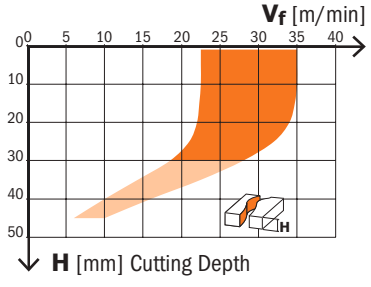
D mm	I mm	L mm	S mm	Z		ORDER NO. Right-hand rotation
18	25	85	20x50	3 (10+1 DP)	1	**143.180.61**
18	30	90	20x50	3 (13+1 DP)	1	**143.181.61**
18	35	95	20x50	3 (16+1 DP)	1	**143.182.61**
20	25	85	20x50	3 (10+1 DP)	1	**143.200.61**
20	30	90	20x50	3 (13+1 DP)	1	**143.201.61**
20	35	95	20x50	3 (16+1 DP)	1	**143.202.61**
20	40	100	20x50	3 (18+1 DP)	1	**143.203.61**
20	45	105	20x50	3 (21+1 DP)	1	**143.204.61**
20	50	110	20x50	3 (23+1 DP)	1	**143.205.61**
20	55	115	20x50	3 (26+1 DP)	1	**143.206.61**
20	60	120	20x50	3 (29+1 DP)	1	**143.207.61**
20	65	125	20x50	3 (32+1 DP)	1	**143.208.61**
22	30	95	25x50	3 (13+1 DP)	1	**143.220.61**
□ 22	35	100	25x50	3 (16+1 DP)	1	**143.221.61**
22	40	105	25x50	3 (18+1 DP)	1	**143.222.61**
□ 22	45	110	25x50	3 (21+1 DP)	1	**143.223.61**
22	50	115	25x50	3 (23+1 DP)	1	**143.224.61**
□ 22	55	120	25x50	3 (26+1 DP)	1	**143.225.61**
22	60	125	25x50	3 (29+1 DP)	1	**143.226.61**
□ 22	65	130	25x50	3 (32+1 DP)	1	**143.227.61**
□ 22	70	135	25x50	3 (35+1 DP)	1	**143.228.61**

□ **On request**

TECHNICAL DETAILS:
- Strength steel.
- DP cutting edge (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 8-10 times).

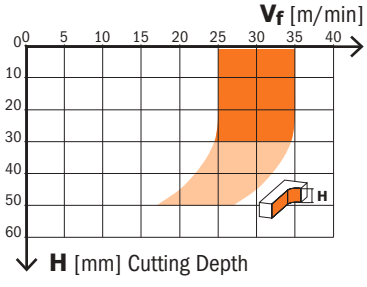
APPLICATION:
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels. High performance pre-finishing and finish-routing.

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

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.

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DP - Router Cutters with 40° Shear Angle - LONG LIFE



145 FOR ROUGHING

PCD DP | Z3+3 | Z4+4 | RH

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**

TECHNICAL DETAILS:
- Strength steel.
- DP cutting edge (H4) featuring 40° shear angle.
- Resharpenable cutters (max 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.

40X LONGER LIFE THAN CARBIDE

DP - Profile Cutter for Nesting applications

new



146.663

PCD DP | Z3 | Z2+2 | RH

D mm	I mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
40	14	75	20x50	2+2	**146.663.40**
50	14	75	20x50	2+2	**146.663.50**
80	8	70	20x50	3 Neg.	**146.663.80**



146.663.80

TECHNICAL DETAILS:
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 and H6 resharpenable (max 6 times).

APPLICATION: for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

new

CMT ORANGE TOOLS®



146.915

PCD DP | Z1 | Z2 | Z2+2 | RH

D mm	d mm	I mm	L mm	S mm	A	Z	ORDER NO. Right-hand rotation
22	-	11	75	16x50	45°	1	**146.915.22**
30	-	15	95	20x50	45°	2	**146.915.30**
33	3	15	71	20x50	45°	2	**146.915.33**
38	-	9	75	20x50	25°	2	**146.915.38**
50	-	25	90	20x50	45°	2+2+1	**146.915.50**

146.915.33

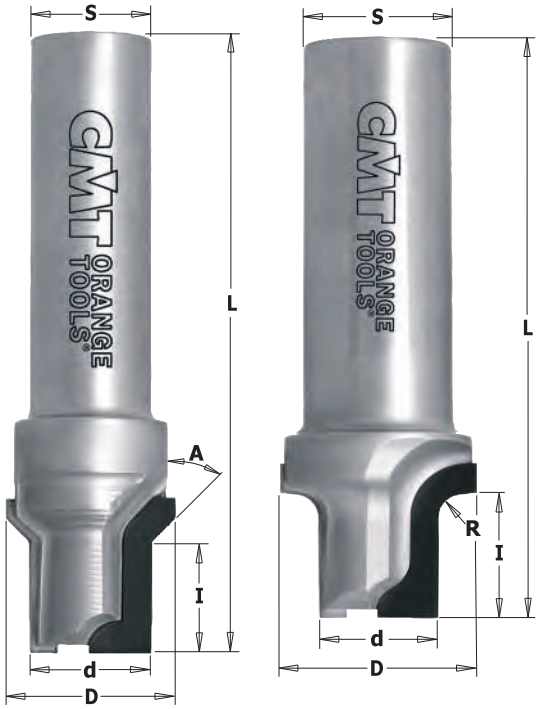


TECHNICAL DETAILS:
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

APPLICATION: for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

DP - Ogee bits

new



146.965

PCD DP | Z2 | Z2+1 | Z2+2 | RH

D mm	d mm	I mm	L mm	S mm	A	R mm	Z	ORDER NO. Right-hand rotation
20	12	20	80	20x50		2	2+2	**146.965.20**
22	16	17	80	16x50	45°		2	**146.965.22**
26	16	16	75	20x50		3	2+1	**146.965.28**

TECHNICAL DETAILS:
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

APPLICATION: for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

DP - Round Nose Bits

new



146.914

PCD DP Z2 RH

D mm	I mm	L mm	S mm	R mm	Z	ORDER NO. Right-hand rotation
52	10	75	16x50	40	2	**146.914.52**

TECHNICAL DETAILS:
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

APPLICATION: for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

DP - Finger Pull Bit

new



146.955

PCD DP Z2 RH

D mm	d mm	I mm	L mm	S mm	R mm	R1 mm	Z	ORDER NO. Right-hand rotation
40	16.8	15	80	20x50	4	1.5	2	**146.955.40**

TECHNICAL DETAILS:
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

APPLICATION: for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.



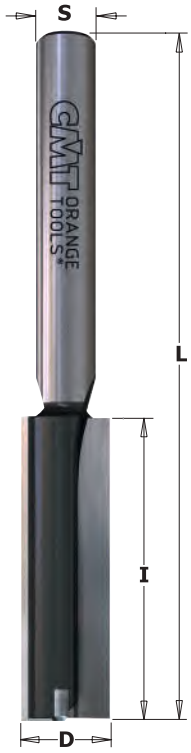
174

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].
- 1 HW [Z1] plunge cutting edge.

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	
32	20	70	8	10	174.320.11	

TECHNICAL DETAILS:
- 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 adaptors.



8/912 DLCS CHROME COATING

HWM Z3 RH

D mm	I mm	L mm		ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12.7mm
6	21	73	10		912.561.11	
6	26	73	10		912.560.11	
6.35	26	73	10			812.564.11
8	21	73	10		912.582.11	
8	28.7	76	10		912.581.11	
8	28.7	76	10			812.581.11
8	32	76	10		912.583.11	
10	21	75	10	912.610.11		
10	32	75	10	912.611.11		

TECHNICAL DETAILS:
- Premium quality HWM.
- Special positively ground cutting edge sharpening for excellent finish.

EXTRA HARD DLCS CHROME COATING

DLCS CHROME COATING:
- Superb wear resistance.
- Better chip clearance.
- Superior cutting quality.
- Less overheating.
- More productivity.

Router Cutters





TECHNICAL DETAILS:
- Strength steel.
- 2 precision ground HW cutting edges
- 1 HW plunge centre tip [Z2+1].

APPLICATION:
used for plunging cutting and grooving on solid wood and wood derivatives as well as laminates and plastic materials. For use on CNC machining centres, CNC routers, hand-held routers and point-to-point machines equipped with chucks or adaptors.

112 SOLID CARBIDE ROUTER CUTTERS

HWM Z2+1 RH

D mm	I mm	L mm	S mm		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	48	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	55	9.5	50	112.090.11	

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 radial relief cutting edges [Z2]. - 1 HW [Z1] plunge cutting edge.

• HWM

112-113 ROUTER CUTTERS

HW Z2+1 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
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	
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	
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:
- Premium quality HWM.
- 2 radial relief cutting edges [Z2].
- 1 HW [Z1] plunge centre tip.



175

HW | HWM | Z2+1 | RH

D mm	I mm	L mm	S mm		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	16	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**

176

HW | Z2+1 | RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
10	40	90	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		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:
- Strength steel.
- 2 precision ground HW cutting edges.
- 1 HW plunge centre tip [Z2+1].

APPLICATION:
used for plunge cutting and grooving on solid wood, wood derivatives as well as laminates and plastic materials. For use on CNC machining centres, CNC routers and hand-held routers.

XTREME Plunge CNC Cutters with Insert Knives



653 XTREME

INSERT CARBIDE · MEC · Z2+2 · RH · 2X CUTTING

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	Spare Parts	
40	29.5	100	20	10	**653.001.11**	790.295.12	790.120.00

Spare parts: **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:
- Strength steel.
- 4 cutting edges [Z2+2].

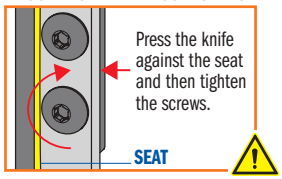
APPLICATION:
the new CNC cutter is designed with 2 plunging knives and two-sided knives fixed by special TORX® screws. It is ideal for direct plunge into the material and fast removal over a large surface area leaving an improved finish at the bottom of the cut. For cutting soft/hard wood, chipboard, melamine, MDF.
For use on pantograph CNC machines.

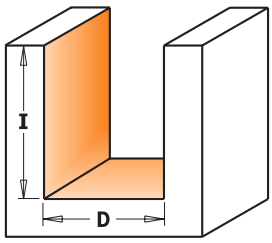
SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

CORRECT KNIFE POSITIONING





Straight Cutters with Insert Knives



653

INSERT CARBIDE · MEC · Z1+1 · RH · 2X CUTTING

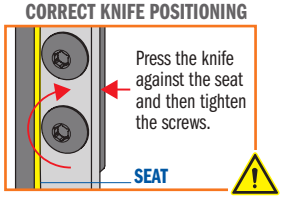
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	Spare Parts	
16	28.3	92	20	10	**653.661.11**	790.283.12	790.075.00
16	48.3	111.5	20	10	**653.662.11**	790.483.12	790.075.00
18	48.3	111.5	20	10	**653.681.11**	790.483.12	790.075.00
20	48.3	111.5	20	10	**653.701.11**	790.483.12	790.075.00

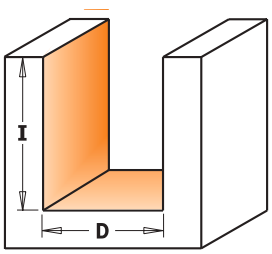
Spare parts: **990.072.00** M3.5x3.5mm TORX® screw
990.074.00 M4x3.5mm TORX® screw
990.075.00 M4x6mm TORX® screw
991.061.00 T15 TORX® key

TECHNICAL DETAILS:
- Strength steel.
- 2 cutting edges [Z1+1].

APPLICATION:
straight router bits with on 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.

CORRECT KNIFE POSITIONING





SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

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Spoilboard Surfacing Cutters with Insert Knives



663.0

INSERT CARBIDE | MEC | Z3 | Z4 | RH | 4X CUTTING

D mm	I mm	L mm	Z	S mm		ORDER NO. Right-hand rotation	Spare Parts	
35	10.5	60	3	8x38	10	**663.007.11**	790.105.03*	990.078.00
38	12	60	3	12x38	10	**663.005.11**	790.120.03*	990.075.00
38	12	60	3	12.7x38	10	**663.015.11**	790.120.03*	990.075.00
60	12	80	3	12x50	10	**663.004.11**	790.120.03*	990.075.00
60	12	80	3	12.7x50	10	**663.014.11**	790.120.03*	990.075.00
80	12	90	3	20x60	10	**663.003.11**	790.120.03*	990.075.00
100	12	90	4	20x50	1	**663.006.11**	790.120.03*	990.075.00

*Minimum 10 pieces or multiple

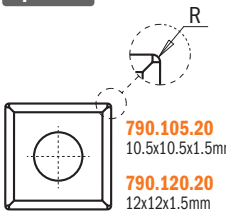
Spare parts: **991.061.00** T15 TORX® key
990.036.00 M8x25mm TE screw (for 663.003.11 and 663.006.11)
990.020.00 Hex nut for threaded arbors M8 (for 663.003.11 and 663.006.11)

TECHNICAL DETAILS:
- Strength steel.
- 3 cutting edges [Z3].
- 4 cutting edges [Z4].

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.

Optional

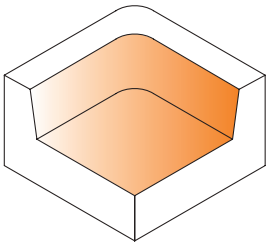


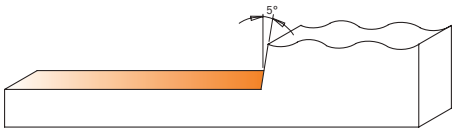
790.105.20 10.5x10.5x1.5mm
790.120.20 12x12x1.5mm

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





Drawing is 1:2 scale

Spoilboard Surfacing Cutters



178

HW | Z3 | Z4 | RH

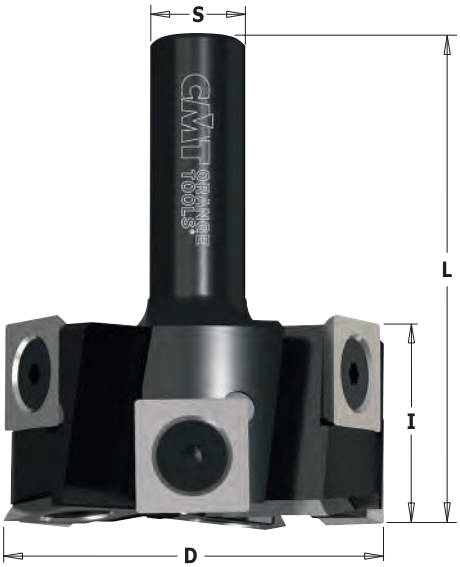
D mm	I mm	L mm	Z	S mm		ORDER NO. Right-hand rotation
25.4	6.35	41	3	6.35	1	**178.701.11**
34.9	9.5	57	3	8	1	**178.702.11**
50.8	12.7	63.5	4	12	1	**178.703.11**
50.8	12.7	63.5	4	12.7	1	**178.704.11**

TECHNICAL DETAILS:
- Strength steel.
- 3 cutting edge [Z3].
- 4 cutting edge [Z4].

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.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

XTREME Spoilboard Surfacing Cutter with Insert Knives



663.5 XTREME

INSERT CARBIDE | MEC | Z6+3 | RH | 4X CUTTING

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation
50.8	25.4	63.5	12	10	**663.502.11**
50.8	25.4	63.5	12.7	10	**663.501.11**

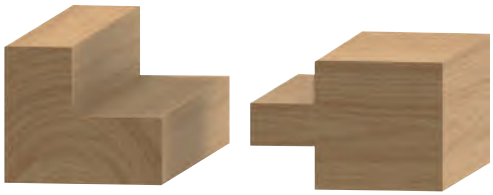
Spare Parts

790.140.20*	990.080.00
790.140.20*	990.080.00

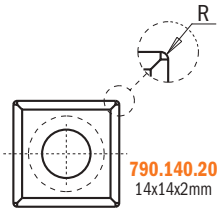
*Minimum 10 pieces or multiple

TECHNICAL DETAILS:
- Strength steel.
- 6+3 cutting edges [Z6+V3].

APPLICATION: this new router bit designed for CNC router machines and stationary router machine work centers are ideal for rabbeting joints and for quick chip removal on large surface areas and leaves a good finish at the bottom of the cut. Ideal for soft and hard wood, particle board and MDF. This bit is equipped with 4 sided insert knives in super micrograin carbide – an economical solution for brazed and solid carbide spiral bits.







NOTE: for optimum finish, radius inserts **790.140.20** are recommended.

790.140.20
14x14x2mm

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

Universal Profile Cutter for CNC Machines



KNIVES NOT INCLUDED

Suggested **MAX RPM 12.000**

663.301

SP | MEC | Z2 | RH

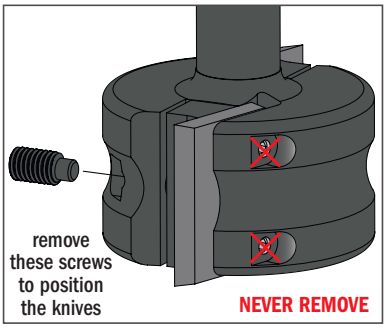
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
65	40-50	93	20	1	**663.301.11**	**S663.301.12**

Spare parts: **692.999.01** 38x15x16mm wedge for cutter
990.064.00 M8x16mm STEI screw
991.064.00 Hex key 4mm

TECHNICAL DETAILS:
- 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.



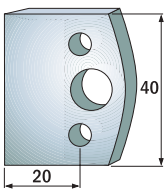
SAFETY TIPS



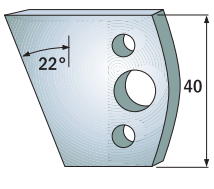
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

TO BE USED WITH SP KNIVES SERIES 690 (SEE PAGE 158~170)

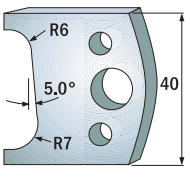
690.000



690.001

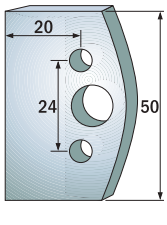


690.002

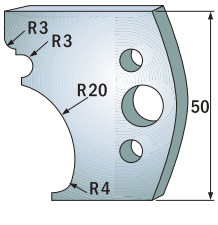


PROFILE KNIVES CUTTING LENGTH=40mm (SERIE **690**)

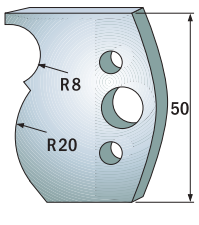
690.500



690.501



690.502



PROFILE KNIVES CUTTING LENGTH=50mm (SERIE **690.5**)

Adjustable Chamfering CNC Cutter



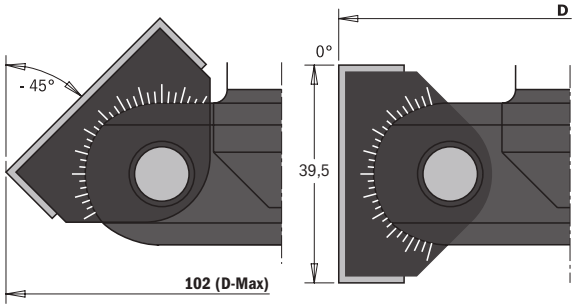
663.201

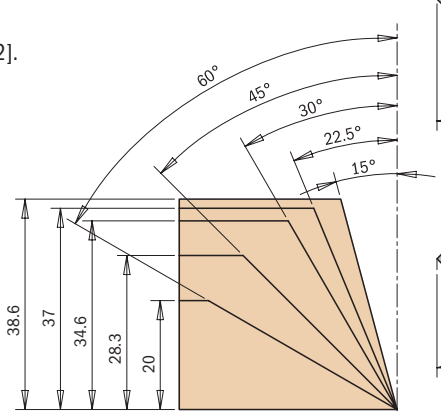
D mm	D_Max 45° mm	I mm	A	L mm	S mm		ORDER NO. Right-hand rotation
85	102	39.5	0°-45° - 0°+90°	92	20	1	663.201.11

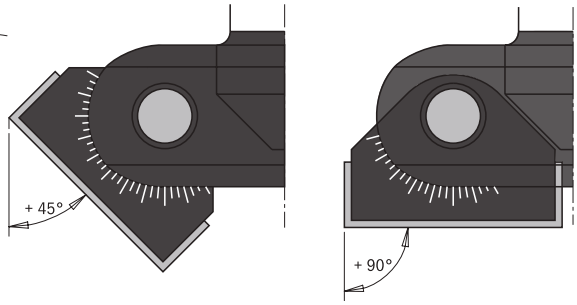
Spare parts:
790.395.12 39.5x12x1.5mm knife (Minimum 10 pcs. or multiple)
663.999.01 38x6x12mm wedge
990.087.00 M6x8mm STEI screw (4x2mm threaded pin)
991.067.00 3mm hex key
663.999.02 Kit with 2 wedges and 1 screw for blocking rotation
990.099.00 M8x25mm TCEI screw
990.023.00 M8 (4mm) nut
991.081.00 4mm "T" hex key

SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).







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.
Never modify the chamfering angle whilst changing the knives. RH rotation.

V-Groove - Folding - Signmaking CNC Cutters with Insert Knives



663.1

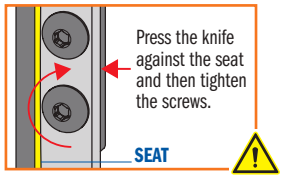
D mm	I mm	L mm	A	S mm	Z		ORDER NO. Right-hand rotation	Spare Parts	
34	40	115	45°	20	1	10	663.103.11	790.580.01*	
44	38	115	60°	20	1	5	663.102.11	790.580.01*	
52	25	102	91°	20	1	1	663.101.11	790.360.01*	
60	21	95	110°	20	1	1	663.110.11	790.360.01*	
87.5	24	95	120°	20	2	1	663.120.11	2X CUTTING	790.496.01*
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*

*Minimum 10 pieces or multiple

Spare parts:
990.073.00 M3.5x5x7.2mm TORX® T15 screw (for 790.580.01 and 790.360.01)
990.075.00 M4x6x8.2mm TORX® T15 screw (for 790.496.01)
991.061.00 T15 TORX® key
990.036.00 M8x25mm TE screw
990.020.00 Hex nut for threaded arbors M8

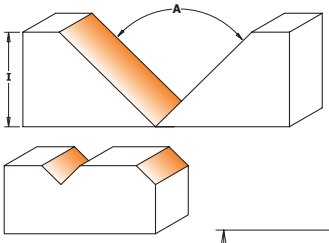
Optional: **S790.360.03*** 36x12x1.5mm HW-SMG replaceable knife (4 cutting edges 35°)

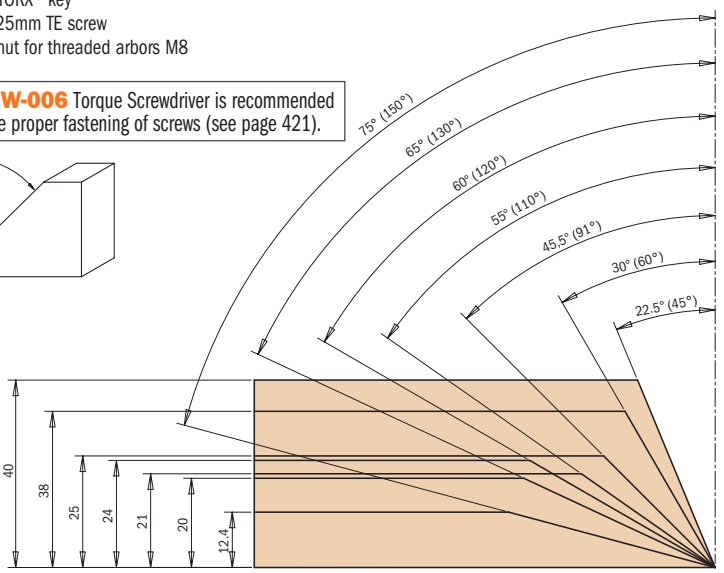
CORRECT KNIFE POSITIONING



SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





TECHNICAL DETAILS:
- Strength steel.
- 1 cutting edge [Z1].
- 2 cutting edges [Z2].

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 knives with increased hardness are available for laminated and MDF material.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



300.023.01 BASIC CNC KIT

DESCRIPTION	Q.TY	ORDER NO.
CHUCK -XTREME- HSK-63F (H73) “ER32” PRECISION COLLET RH	1	183.300.01
C-SPANNER FOR “ER32” PRECISION COLLET	1	991.183.00
PRECISION COLLET DIN6499 “ER32” (33x40mm) D=12mm	1	184.120.00
RECISION COLLET DIN6499 “ER32” (33x40mm) D=20mm	1	184.200.00
STRAIGHT ROUTER CUTTER WITH INSERT KNIVES HW Z1+1 S=20 D=18x48.3mm RH	1	653.681.11
HWM REVERSIBLE KNIVES STD (4/35°) 48.3x12x1.5mm RH	10	790.483.12
HWM REVERSIBLE KNIVES STD (2/35°) 7.5x12x1.5mm	10	790.075.00
KEY TORX® T15	1	991.061.00
SOLID CARBIDE UPCUT SPIRAL BITS Z3 POS. HWM D=12x42x90mm RH	1	193.121.11
2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm RH	2	311.050.11
2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm LH	2	311.050.12
2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm RH	4	311.080.11
2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm LH	4	311.080.12
HINGE BORING BITS HW Z2+2 S=10x26mm D=15x70mm RH	1	369.150.11
HINGE BORING BITS HW Z2+2 S=10x26mm D=35x70mm RH	1	369.350.11

WHILE SUPPLIES LAST



300.025.01 EXPERT FOR “NESTING” CNC KIT

DESCRIPTION	Q.TY	ORDER NO.
CHUCK -XTREME- HSK-63F (H73) “ER32” PRECISION COLLET RH	2	183.300.01
C-SPANNER FOR “ER32” PRECISION COLLET	1	991.183.00
PRECISION COLLET DIN6499 “ER32” (33x40mm) D=12mm	1	184.120.00
RECISION COLLET DIN6499 “ER32” (33x40mm) D=20mm	1	184.200.00
KINETIC DUST EXTRACTOR FOR CHUCK WITH “ER32” D=100mm RH	1	992.101.ER32
C-SPANNER 95-100mm FOR KINETIC “ER32”/”ER40”	1	991.284.00
SPOILBOARD SURFACING ROUTER CUTTER W/INSERT KNIVES HW Z3 S=20x50mm D=80x12x90mm	1	663.003.11
HWM REVERSIBLE KNIVES STD (4/35°) 12x12x1.5mm	10	790.120.03
KEY TORX® T15	1	991.061.00
ROUTER CUTTERS WITH SHEAR ANGLE FOR NESTING Z3 9DP S=12mm D=12x25x70mm RH	1	143.120.61
2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm RH	2	311.050.11
2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm LH	2	311.050.12
2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm RH	4	311.080.11
2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm LH	4	311.080.12
HINGE BORING BITS HW Z2+2 S=10x26mm D=15x70mm RH	1	369.150.11
HINGE BORING BITS HW Z2+2 S=10x26mm D=35x70mm RH	1	369.350.11

WHILE SUPPLIES LAST



Includes:

KINETIC DUST EXTRACTOR

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



616.000.01

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.

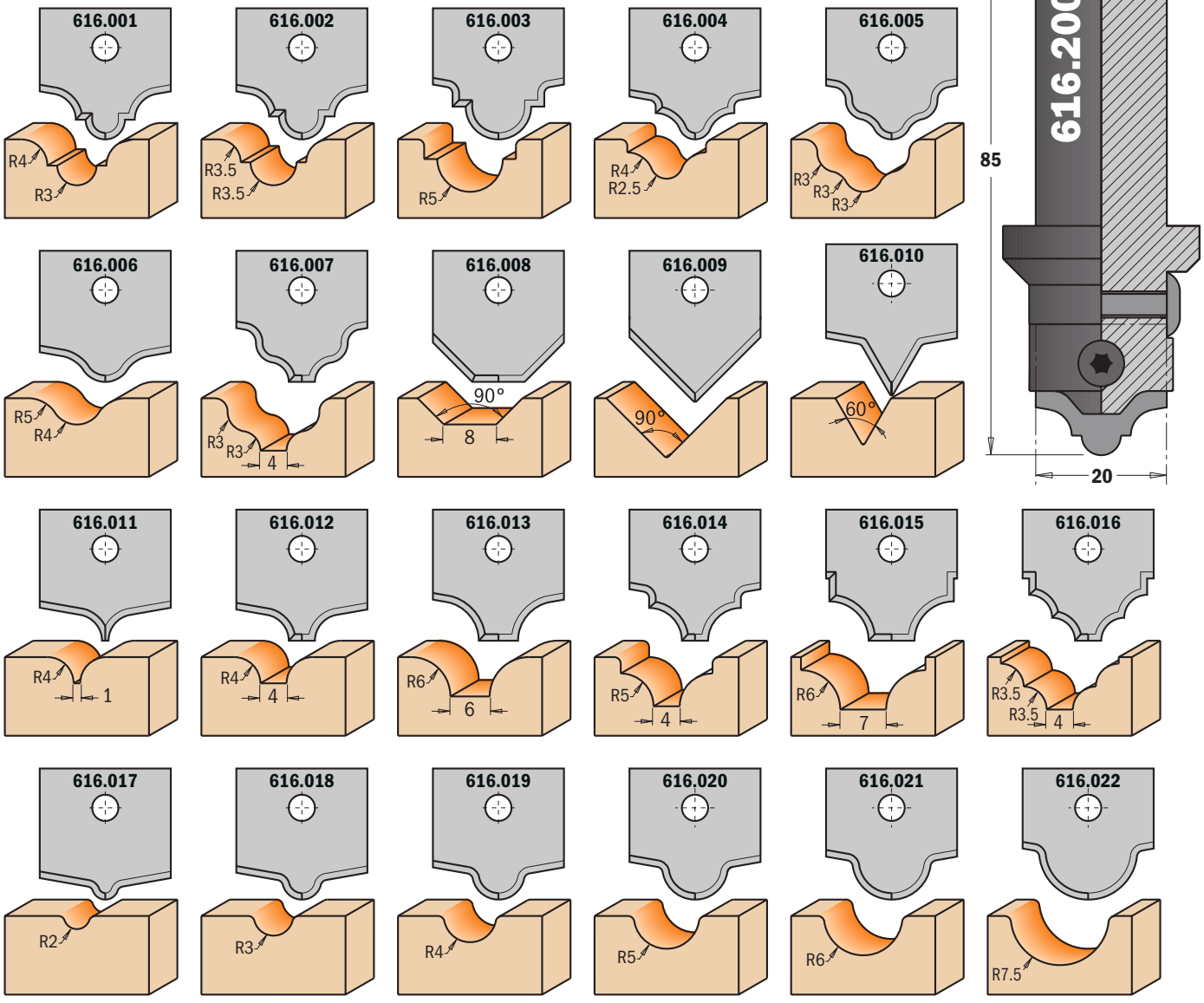
TECHNICAL DETAILS:
Knives 20x20x2mm.
We recommend re-sharpening the knives on profile cutting edge.

SAFETY TIPS



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).





Drawing is 1:1 scale

DESCRIPTION	S mm		ORDER NO. Right-hand rotation
Complete Set for Decorating on MDF	20	10	**616.000.01**
Router cutter body with shank Ø20mm (insert knives not included)	20	10	**616.200**
Router cutter body with shank Ø12mm (insert knives not included)	12	10	**616.120**

Spare Parts

616.200	990.077.00	991.061.00
	990.077.00	991.061.00
	990.077.00	991.061.00

REMARK: tool body and insert knives can be sold individually.



615.004.01

INSERT CARBIDE | MEC | Z2 | RH

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.

SAFETY TIPS

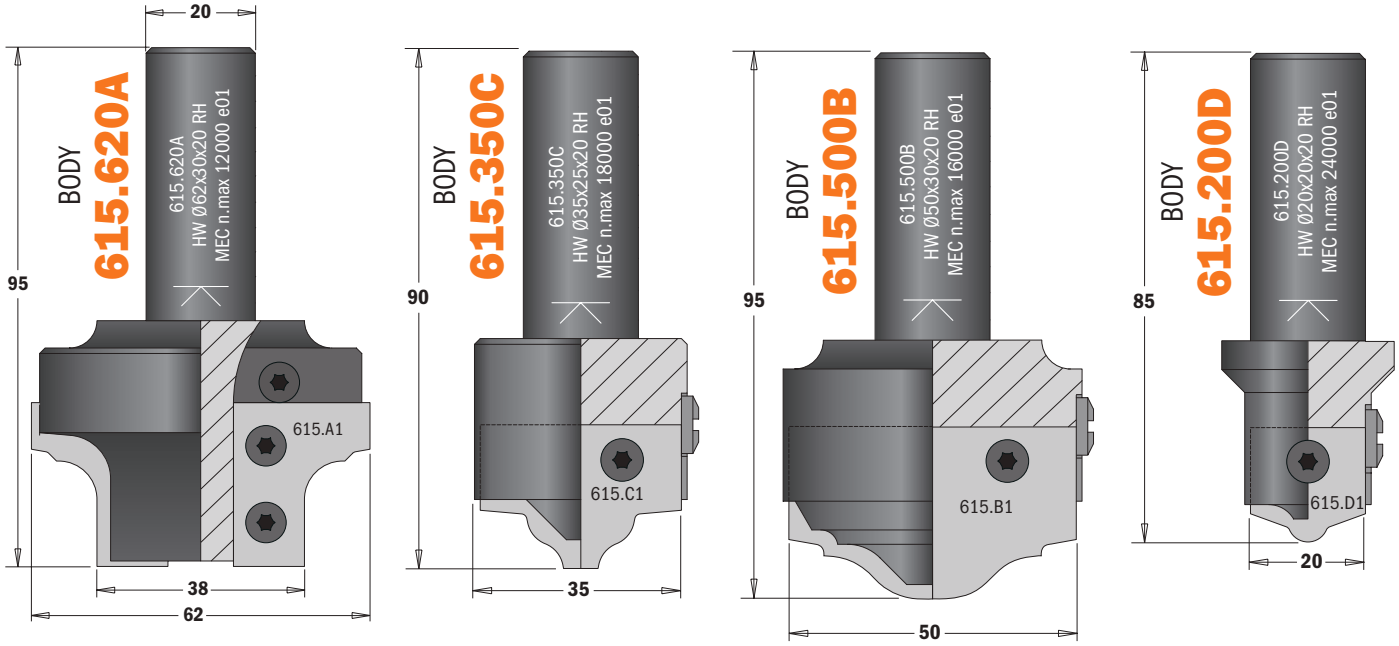


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

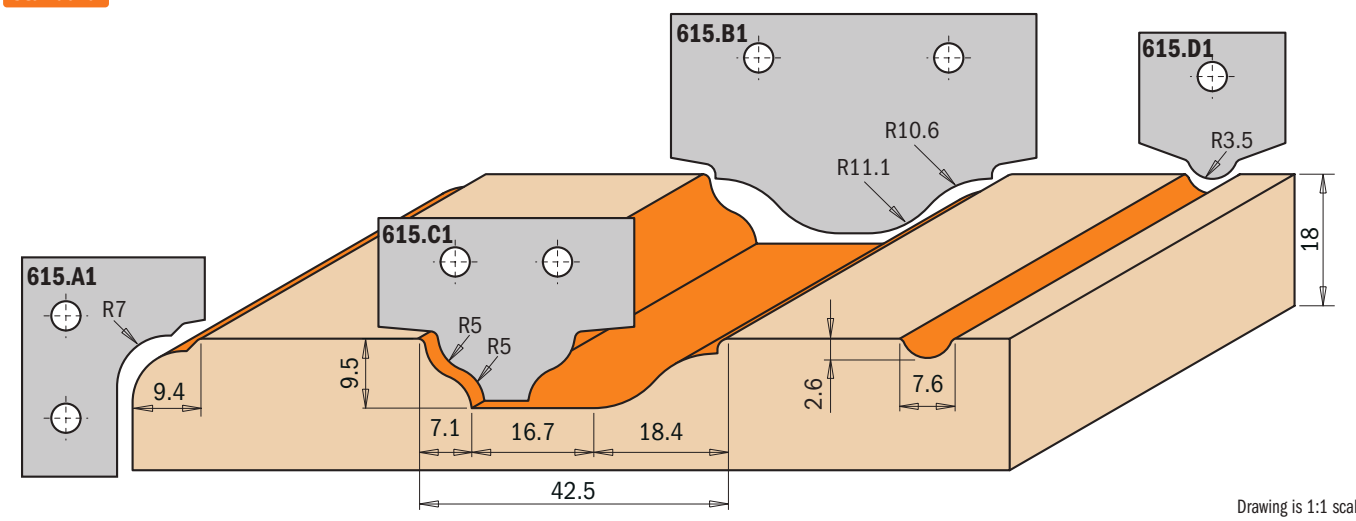




DESCRIPTION	S mm		ORDER NO. Right-hand rotation	Spare Parts	
Complete Set for MDF Doors (Profile no. 1)	20	1	**615.004.01**	990.077.00	991.061.00

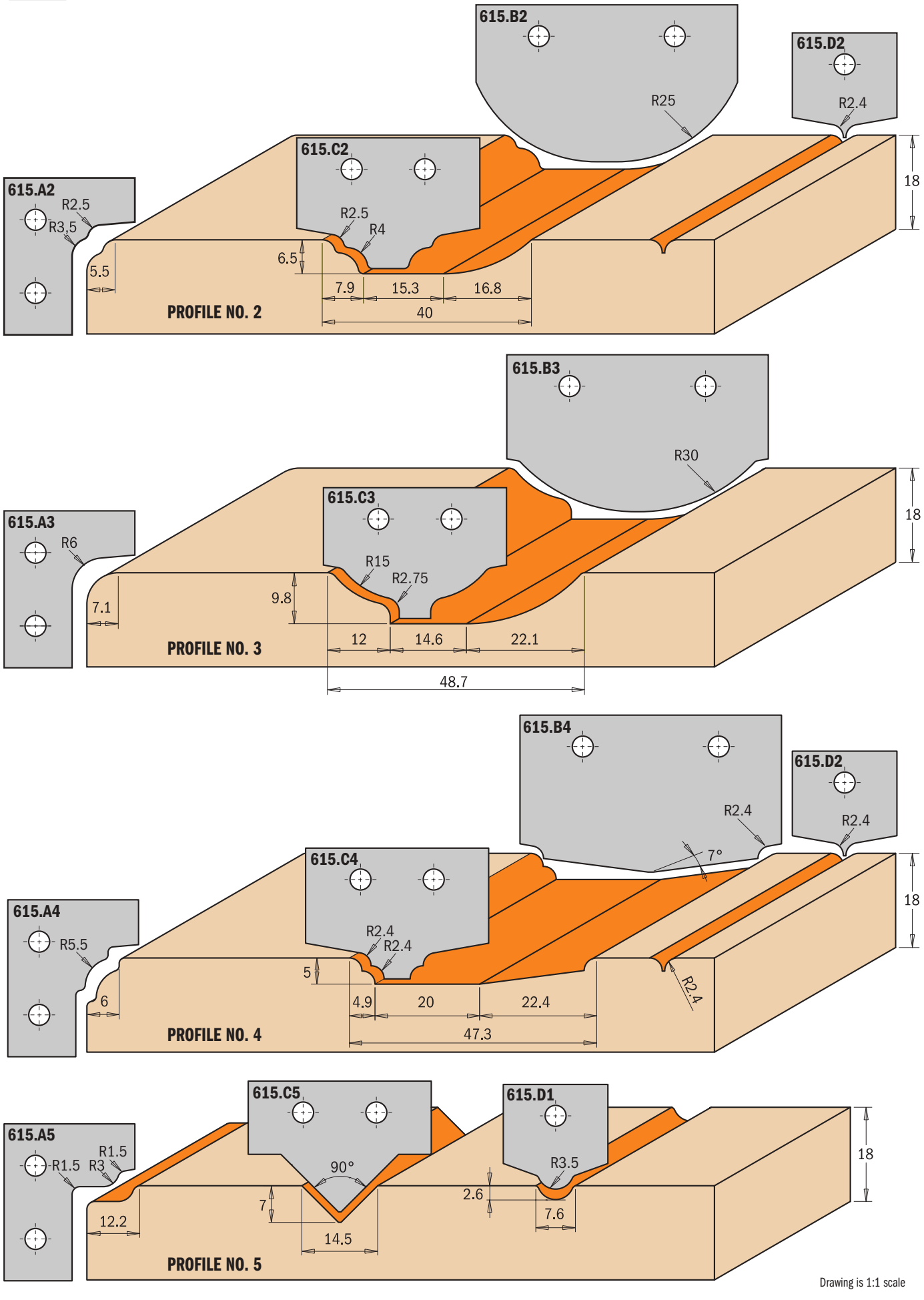


Standard **PROFILE NO. 1**



Drawing is 1:1 scale

Optional



Drawing is 1:1 scale



HL Z2R RH LH

102

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**	
8	60	115	16	10	**102.080.31**	**102.080.32**
9	65	120	16	10	**102.090.31**	
10	70	125	16	10	**102.100.31**	**102.100.32**
11	75	130	16	10	**102.110.31**	
12	80	135	16	10	**102.120.31**	**102.120.32**
13	85	140	16	10	**102.130.31**	
14	90	145	16	10	**102.140.31**	**102.140.32**
15	95	150	16	10	**102.150.31**	
16	100	155	16	10	**102.160.31**	**102.160.32**
17	105	160	16	10	**102.170.31**	
18	110	165	16	10	**102.180.31**	**102.180.32**
19	115	170	16	10	**102.190.31**	
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**

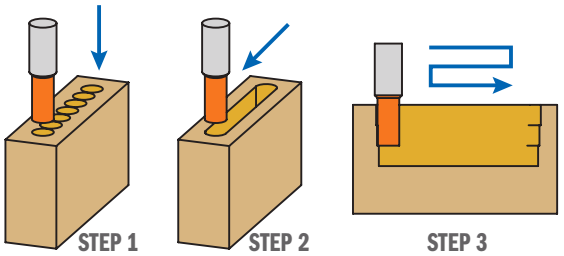
172

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**	
8	60	115	13	10	**172.080.31**	**172.080.32**
9	65	120	13	10	**172.090.31**	
10	70	125	13	10	**172.100.31**	**172.100.32**
12	80	135	13	10	**172.120.31**	**172.120.32**
13	85	140	13	10	**172.130.31**	
14	90	145	13	10	**172.140.31**	**172.140.32**
15	95	150	13	10	**172.150.31**	
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 chipbreaker teeth [Z2R].

APPLICATION:
for cutting deep mortise slots in natural soft and medium density wood. For use on combination machining centres equipped with adaptors and/or chucks.

GUIDE TO MACHINING DEEP SLOTS





6 Piece Mortising Bit Sets

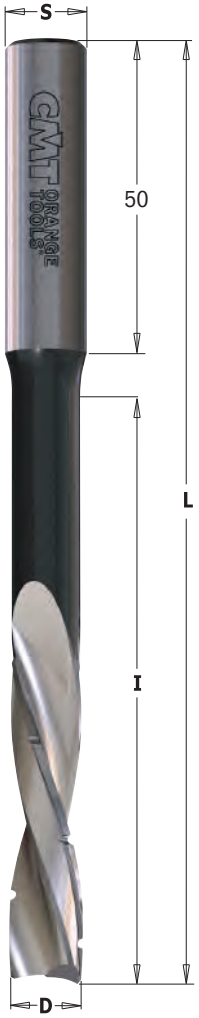
HL Z2R RH LH

102 - 172

Our classic set of 6 spiral mortising bits with both Ø16mm and Ø13mm shanks made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a plastic 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**

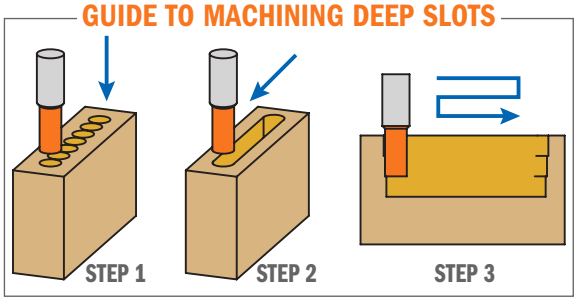
160

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 spiral cutting edges with chipbreaker teeth [Z2R].

APPLICATION:
for cutting mortise slots in soft and hardwood.
Used on combined machining centres equipped with chucks.





6 Piece Mortising Bit Sets

160 - 161

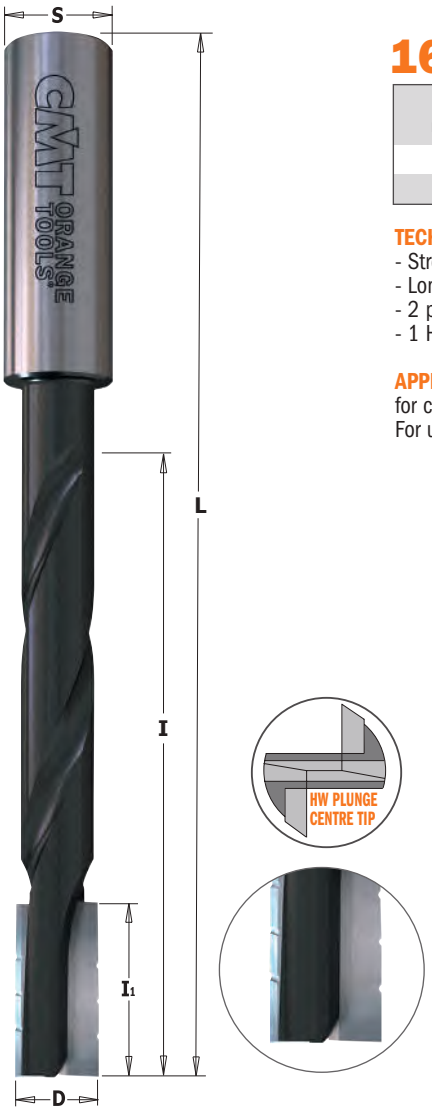
HSS Z2R RH LH

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 plastic 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**

Carbide Spiral Slot Mortising Bits with Chipbreaker



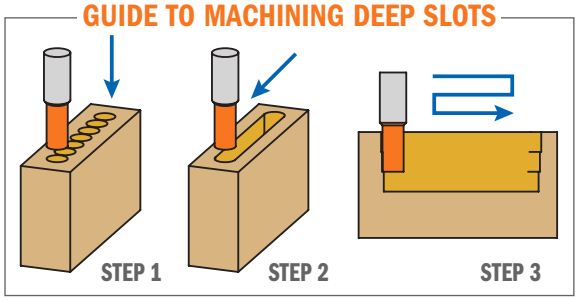
161

HW Z2R 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**

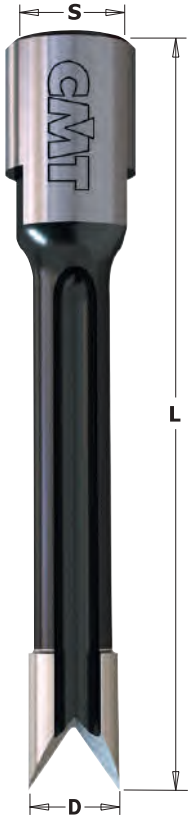
TECHNICAL DETAILS:
- Strength steel.
- Long-lasting cutting performance.
- 2 precision ground HW cutting edges with chipbreaker teeth.
- 1 HW plunge centre tip [Z2R+1]

APPLICATION:
for cutting deep mortise slots in natural soft or medium density wood.
For use on machining centres equipped with chucks. RPM 3000~5000.





Slot & Mortise Boring Bits



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:
- Strength steel.
- 2 HW precision ground cutting edges [Z2].

APPLICATION:
for cutting slots and mortises in solid wood, wood derivatives and laminates.
For use on mortising machines equipped with chucks.



164

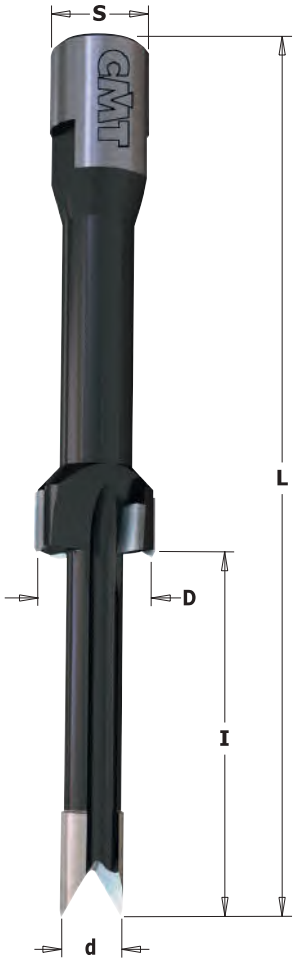
HW Z2 V2 RH

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:
- Strength steel.
- HW cutting head with precision centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively HW ground spurs [V2].

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on slot and mortise machines equipped with chucks.

Slot & Mortise Boring Bits



166 - 167

HW Z2 V2 RH

d mm	D mm	l 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:
- Strength steel.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively HW ground spurs [V2].

APPLICATION:
for creating mortise slots in solid wood, wood derivatives and laminates.
For use on slot and mortise machines equipped with chucks.



103

HL Z2 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	100	16x50	1	**103.060.30**
8	45	100	16x50	1	**103.080.30**
10	55	110	16x50	1	**103.100.30**
12	55	110	16x50	1	**103.120.30**
14	55	110	16x50	1	**103.140.30**
16	55	110	16x50	1	**103.160.30**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 2 HL precision ground cutting edges [Z2].

APPLICATION:
for cutting deep mortise slots in soft and hardwood. For use on combination machining centres equipped with adaptors and/or chucks.

179

HSS Z2 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	90	13x40	1	**179.060.50**
8	50	95	13x40	1	**179.080.50**
10	60	105	13x40	1	**179.100.50**
12	70	115	13x40	1	**179.120.50**

TECHNICAL DETAILS:
- Long-lasting cutter performance.
- 2 HSS precision ground cutting edges [Z2].

APPLICATION:
for cutting deep mortise slots in natural soft or medium density wood. For use on combination machining centres equipped with adaptors and/or chucks.

Reciprocating Slot Mortising Bits



104

HL Z4 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	45	100	13x50	1	**104.060.30**
8	45	100	13x50	1	**104.080.30**
9	45	100	13x50	1	**104.090.30**
10	55	110	13x50	1	**104.100.30**
12	55	110	13x50	1	**104.120.30**
13	55	110	13x50	1	**104.130.30**
14	55	110	13x50	1	**104.140.30**
15	55	110	13	1	**104.150.30**
16	55	110	13x50	1	**104.160.30**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

APPLICATION:
for cutting deep mortise slots in soft and medium density wood. For use on mortising machine centres equipped with chucks.

105

HL Z4 LH RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
6	28	73	10x40	1	**105.060.30**
8	28	73	10x40	1	**105.080.30**
10	28	73	10x40	1	**105.100.30**
12	28	73	10x40	1	**105.120.30**

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

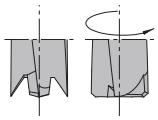
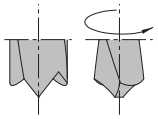
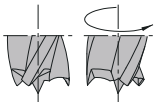
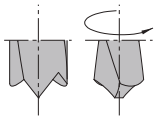
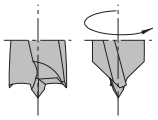
APPLICATION:
for cutting deep mortise slots in natural soft and medium density wood. For use on mortising machining centres equipped with chucks.



INDUSTRIAL DOWEL DRILLS

PRODUCTS	PAGE
XTREME Solid Carbide Boring Bits	337~339
XTREME Boring Bits	340-341
Solid Carbide Twist Drills	342
Adaptors & Bushings for Twist Drills	343
2 Flute Dowel Drills	344-345
4 Flute Dowel Drills	346~348
Dowel Drills with Countersink	349
Through Hole Dowel Drills	350-351
Countersinks	352
Adaptors	353~355
Hinge Boring Bits	357~359
Dowel Drills with Threaded Shank	360~362

CMT XTREME BALANCING®

BORING RANGE	XTREME-HWM				XTREME	INDUSTRIAL
PERFORMANCE	★★★★★				★★★★	★★★
						
FEATURES	Z2 FLAT SHARPENING MIRROR FINISH	Z2 REDUCED GRINDING BODY MORE: FINISHING, COOLER, CUTTING DEPTH, LIFE TIME	Z2	Z3 3X LONGER LIFE THAN STANDARD	Z2	Z2
SHARPENING	No center-point or spurs means perfect bores in low-thickness panels.  XTREME FLAT SHARPENING	Specially designed reinforced spurs provide impeccable finishing during high-speed drilling feed operations.  XTREME SHARPENING	Standard design with negatively ground spurs providing good quality finishing without chipping.  NEGATIVELY GROUND SPURS		Specially designed reinforced spurs provide impeccable finishing during high-speed drilling feed operations.  XTREME SHARPENING	Standard design with negatively ground spurs providing good quality finishing without chipping.  NEGATIVELY GROUND SPURS
CARBIDE	HWM LONG LIFE INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE Premium quality, solid tungsten carbide produces clean bores with no rough edges. Guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings.				HW INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE The tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores.	HW INDUSTRIAL GRADE CARBIDE Medium and fine grain carbide tip guarantee reliable prolonged use.
COATING	SOLID TUNGSTEN CARBIDE				ORANGE SHIELD® NON-STICK PTFE COATING - Protects against corrosion and rust. - Reduces resin and residue build-up. - Reduces overheating and blade drag. - Improves performance and cutting life.	
MATERIALS APPLICATION	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.
DESCRIPTION	Designed for heavy duty drilling in large-scale industrial manufacturing ensuring very high impact resistance and superb 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 good impact resistance and good durability.
USER	LARGE-SCALE INDUSTRIAL MANUFACTURING				LARGE-SCALE TO MEDIUM-SCALE INDUSTRIAL MANUFACTURING	MEDIUM-SCALE TO SMALL-SCALE INDUSTRIAL MANUFACTURING
RECOMMENDED USE	INDUSTRIAL PRODUCTION				INDUSTRIAL PRODUCTION CABINETMAKER'S	CABINETMAKER'S



311.71/72 XTREME FLAT SHARPENING

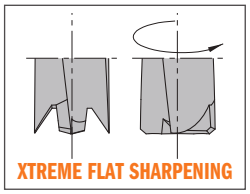
HWM Z2 V2 RH LH

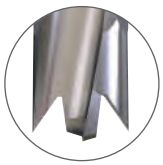
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	70	10x27	50	**311.050.71**	**311.050.72**
6	30	70	10x27	50	**311.060.71**	**311.060.72**
7	30	70	10x27	50	**311.070.71**	**311.070.72**
8	30	70	10x25	50	**311.080.71**	**311.080.72**
10	30	70	10x25	50	**311.100.71**	**311.100.72**

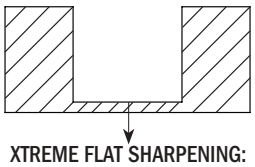
TECHNICAL DETAILS:
- Premium quality strength steel shank.
- High quality HWM body with mirror finishing.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.
- Recommended feed speed 1~4m/minute - RPM 6000.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
ideal for chipboard, MDF, HDF and laminates.
No center-point or spurs means perfect bores in low-thickness panels.
For use on boring machines equipped with adaptors/chucks.



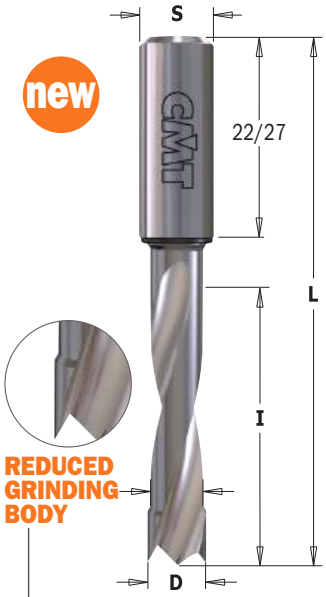




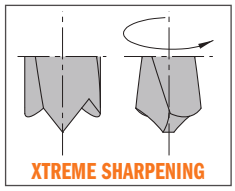
XTREME FLAT SHARPENING:
No center-point or spurs means perfect bores in low-thickness panels.

CMT's new high quality dowel drills guarantee excellent performance and extra-long life!

Solid Carbide Dowel Drill - REDUCED GROUND BODY - LONG LIFE



MORE
FINISHING
COOLER
CUTTING DEPTH
LIFE TIME



310-311-362-373 XTREME

HWM 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	10x22	50	310.650.21	310.650.22
8	27	57.5	10x22	50	310.680.21	310.680.22
3	40	70	10x22	50	311.630.21	311.630.22
3.5	40	70	10x22	50	311.635.21	311.635.22
4	40	70	10x22	50	311.640.21	311.640.22
4.5	40	70	10x22	50	311.645.21	311.645.22
4.76	40	70	10x22	50	311.647.21	311.647.22
5	40	70	10x22	50	311.650.21	311.650.22
5.2	40	70	10x22	50	311.652.21	311.652.22
5.5	40	70	10x22	50	311.655.21	311.655.22
6	40	70	10x22	50	311.660.21	311.660.22
7	40	70	10x22	50	311.670.21	311.670.22
8	40	70	10x22	50	311.680.21	311.680.22
8.2	40	70	10x22	50	311.682.21	311.682.22
8.5	40	70	10x22	50	311.685.21	311.685.22
10	40	70	10x22	50	311.700.21	311.700.22
5	45	77	10x25	50	362.650.21	362.650.22
8	45	77	10x27	50	362.680.21	362.680.22
5	50	85	10x27	50	373.650.21	373.650.22
8	50	85	10x27	50	373.680.21	373.680.22

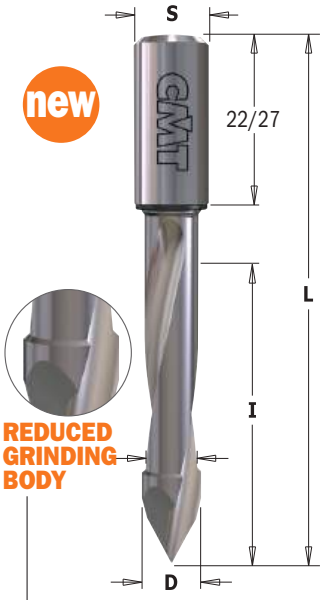
TECHNICAL DETAILS:
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or with chucks.

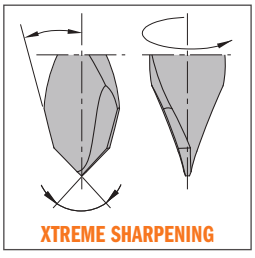
Spare Parts 990.003.00
Optional 990.088.00

Perfect for all materials and long-lasting performance!

Solid Carbide Dowel Drill for Through Holes - REDUCED GROUND BODY - LONG LIFE



MORE
FINISHING
COOLER
CUTTING DEPTH
LIFE TIME



314-366 XTREME

HWM Z2 V2 RH LH

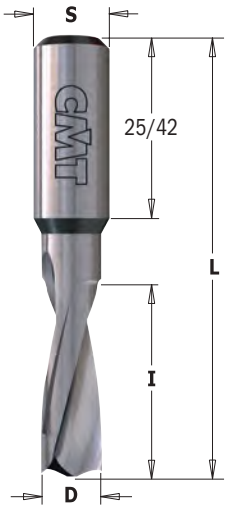
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	40	70	10x22	50	314.630.21	314.630.22
4	40	70	10x22	50	314.640.21	314.640.22
5	40	70	10x22	50	314.650.21	314.650.22
6	40	70	10x22	50	314.660.21	314.660.22
7	40	70	10x22	50	314.670.21	314.670.22
8	40	70	10x22	50	314.680.21	314.680.22
10	40	70	10x22	50	314.700.21	314.700.22
5	45	77	10x25	50	366.650.21	366.650.22
8	45	77	10x27	50	366.680.21	366.680.22
5	50	85	10x27	50	366.650.21X	366.650.22X
8	50	85	10x27	50	366.680.21X	366.680.22X

TECHNICAL DETAILS:
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

Spare Parts 990.003.00
Optional 990.088.00

Perfect for all materials and long-lasting performance!



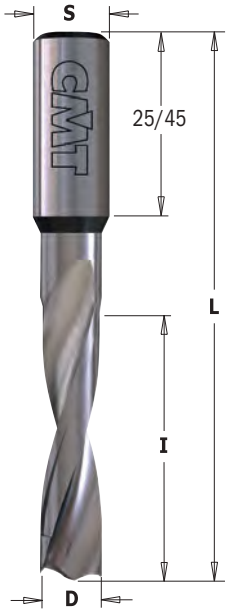
310.21/22 XTREME

HWM 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	10x32	50	310.013.20*	
2	12	57.5	10x32	50	310.020.21	310.020.22
3	9	57.5	10x42	50	310.530.21	310.530.22
3	18	57.5	10x30	50	310.030.21	310.030.22
4	20	57.5	10x27	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	10x27	50	310.080.21	310.080.22
10	35	57.5	10x25	50	310.100.21	310.100.22

* Dowel drill for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare Parts: 990.003.00 — Optional: 990.088.00



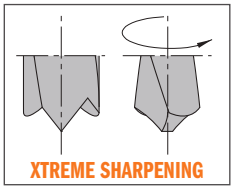
311.21/22 XTREME

HWM 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	10x45	50	311.020.21	311.020.22
3	18	70	10x42	50	311.030.21	311.030.22
3.5	22	70	10x39	50	311.035.21	311.035.22
4	30	70	10x27	50	311.040.21	311.040.22
5	35	70	10x27	50	311.050.21	311.050.22
6	35	70	10x27	50	311.060.21	311.060.22
6.35 (1/4")	35	70	10x27	50	311.064.21	311.064.22
7	35	70	10x27	50	311.070.21	311.070.22
8	35	70	10x25	50	311.080.21	311.080.22
10	35	70	10x25	50	311.100.21	311.100.22

* Dowel drill 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 strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or with chucks.

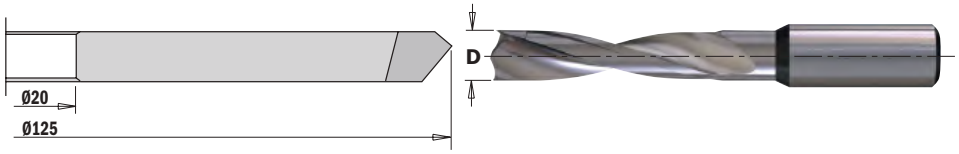
Grinding Wheels for XTREME Sharpening*

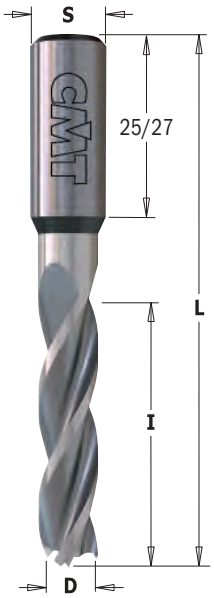


01.02

D mm	DESCRIPTION	DIMENSION mm	B mm		ORDER NO.
Ø3 to 7	Grinding wheel for resharpening	Ø125x5.5	Ø20	1	01.02.0316
Ø8 to 10	Grinding wheel for resharpening	Ø125x7	Ø20	1	01.02.0317

* **For use with the following items:** 310.21/22 - 311.21/22 - 310.41/42 - 311.41/42





311.31/32 XTREME

HWM Z3 V3 RH LH

3X LONGER LIFE THAN STANDARD

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x27	50	**311.050.31**	**311.050.32**
8	35	70	10x25	50	**311.080.31**	**311.080.32**

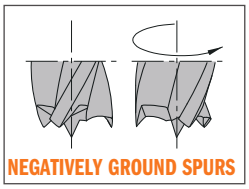
TECHNICAL DETAILS:
- Premium quality strength steel shank.
- High quality HWM body.
- 3 cutting edges [Z3] + 3 negatively ground spurs [V3].
- 3 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

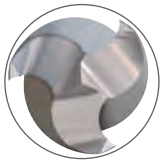
APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

REMARK: *special dimensions available on request.*

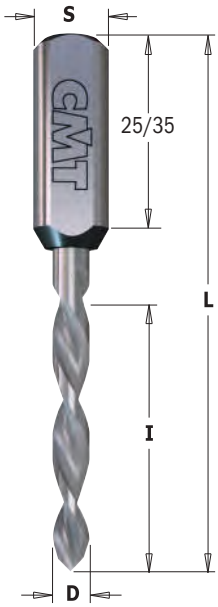
Spare Parts 990.008.00

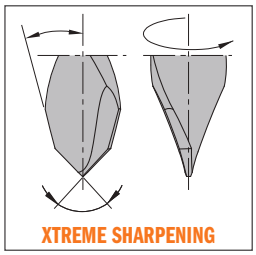
Optional 990.088.00





CMT's new high quality dowel drills guarantee excellent performance and extra-long life!





314.21/22 XTREME

HWM Z2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
*3	27	70	10x35	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	10x25	50	**314.060.21**	**314.060.22**
7	35	70	10x25	50	**314.070.21**	**314.070.22**
8	35	70	10x25	50	**314.080.21**	**314.080.22**
10	35	70	10x25	50	**314.100.21**	**314.100.22**

*** "V" point 60° sharpening**

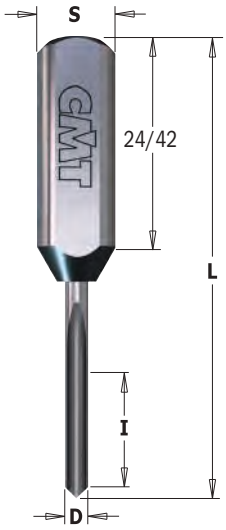
Spare Parts 990.003.00 — Optional 990.088.00

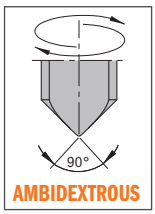
TECHNICAL DETAILS:
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 20-30mm

Solid Carbide Dowel Drills - LONG LIFE





382 XTREME

HWM Z1 LH RH

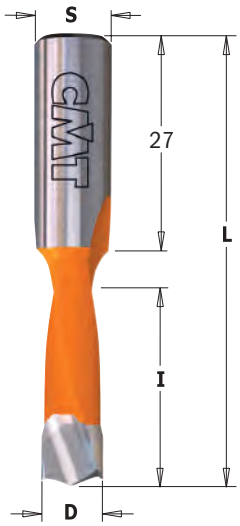
D mm	I mm	L mm	S mm		ORDER NO. Right-hand & Left-hand rotation
2	12	57.5	10x30	50	**382.2057**
2	12	70	10x42	50	**382.2070**
2.5	16	57.5	10x24	50	**382.2557**
2.5	16	70	10x35	50	**382.2570**
3	15	57.5	10x25	50	**382.3057**
3	25	70	10x30	50	**382.3070**
3.5	18	57.5	10x24	50	**382.3557**
3.5	18	70	10x36	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 strength steel shank.
- High quality HWM body.
- 1 cutting edge [Z1].
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives, plastic, laminates and melamine.
For use on boring machine, point-to-point machines and hand-held routers equipped with adaptors and/or chucks.

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.

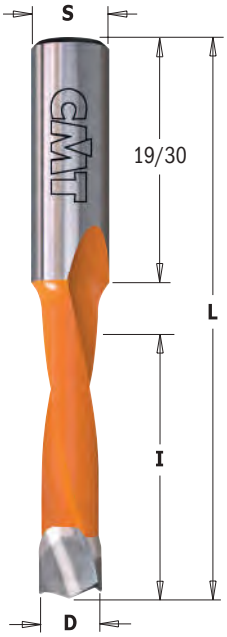


310.41/42 XTREME

HW 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**

Spare Parts: 990.003.00 — Optional: 990.088.00



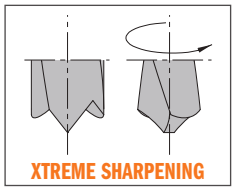
311.41/42 XTREME

HW 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**
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**
12	35	70	10x30	10	**311.120.41**	**311.120.42**

* **Drill bits designed to fit HÄFELE® one-piece lxconnect SC 8/60 spreading connector.**

Spare Parts: 990.003.00 — Optional: 990.088.00



TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives, plastics and laminates.
For use on boring machines equipped with adaptors and/or chucks.

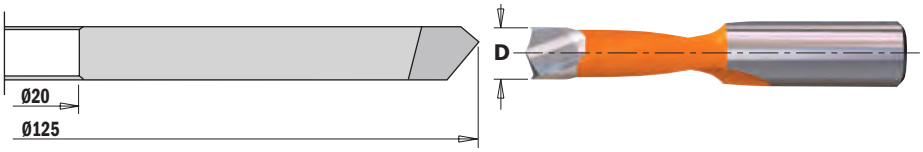
Grinding Wheels for XTREME Sharpening*



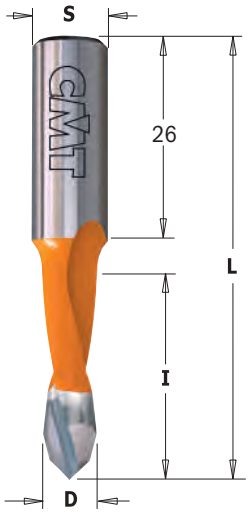
01.02

D mm	DESCRIPTION	DIMENSION mm	B mm		ORDER NO.
Ø3 to 7	Grinding wheel for resharpening	Ø125x5.5	Ø20	1	**01.02.0316**
Ø8 to 10	Grinding wheel for resharpening	Ø125x7	Ø20	1	**01.02.0317**

* **For use with the following items: 310.21/22 - 311.21/22 - 310.41/42 - 311.41/42**



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313.41/42 XTREME

HW Z2 RH LH

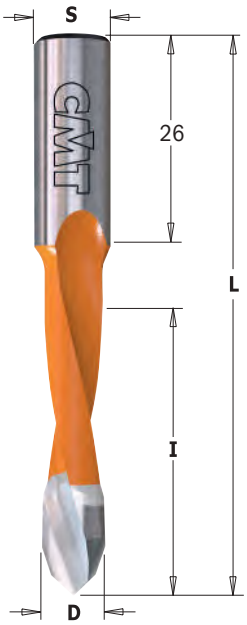
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57.5	10x26	50	**313.050.41**	**313.050.42**
8	27	57.5	10x26	50	**313.080.41**	**313.080.42**

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 20mm



314.41/42 XTREME

HW Z2 RH LH

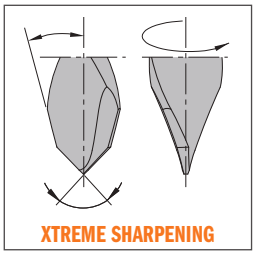
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x26	50	**314.050.41**	**314.050.42**
6	35	70	10x26	50	**314.060.41**	**314.060.42**
7	35	70	10x26	50	**314.070.41**	**314.070.42**
8	35	70	10x26	50	**314.080.41**	**314.080.42**
10	35	70	10x26	50	**314.100.41**	**314.100.42**

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

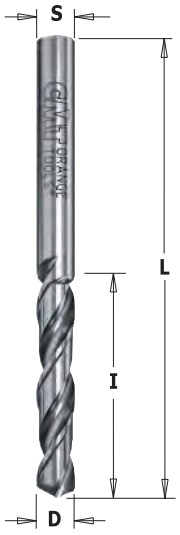
Spare Parts 990.003.00 — Optional 990.088.00

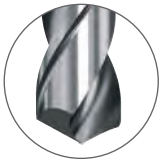
APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 30mm


XTREME SHARPENING

Solid Carbide Twist Drills “V” Point 120° - LONG LIFE





“V” POINT 120°

363.11/12

HWM Z2 RH LH

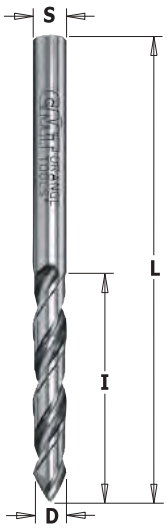
S=D mm	I mm	L mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	25	50		50	363.020.11	363.020.12
2.5	27	55		50	363.025.11	363.025.12
3	27	55		50	363.030.11	363.030.12
3.2	27	55		50	363.032.11	363.032.12
3.5	27	55		50	363.035.11	363.035.12
4	27	55		50	363.040.11	363.040.12
4.5	28	60		50	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:
- High quality HWM body.
- 2 cutting edges [Z2] at 120°.
- 2 spiral flutes.

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

Solid Carbide Twist Drills “V” Point 60° - LONG LIFE





“V” POINT 60°

363.41/42

HWM 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:
- High quality HWM body.
- 2 cutting edges [Z2] at 60°.
- 2 spiral flutes.

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

Solid Carbide Twist Drills Negatively Ground Spurs - LONG LIFE





XTREME SHARPENING

363.21/22 XTREME

HWM Z2 RH LH

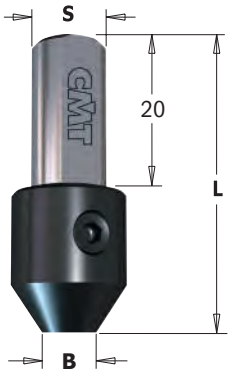
S=D mm	I mm	L mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2.5	27	55		50	363.025.21	363.025.22
3	27	55		50	363.030.21	363.030.22
4	27	55		50	363.040.21	363.040.22
5	28	60		50	363.050.21	363.050.22

For use with the following items: 364-365

TECHNICAL DETAILS:
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adpators and/or chucks.

Adaptors 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

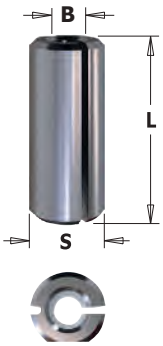



990.001.00 | 991.062.00

TECHNICAL DETAILS:
- Strength steel.
- Precision grinding on all contact surfaces.
- Quick and secure assembly of the twist drills with screw.
- Parallel shank with driving flat.

APPLICATION:
For use with twist drills having same shank diameter as chuck/bushing hole.
For use on boring machines equipped with adaptors and/or 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	

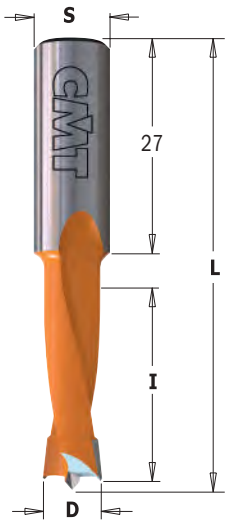
For use with the following items: 363 HWM

TECHNICAL DETAILS:
- Strength steel.
- Precision grinding on all contact surfaces.
- Axial cuttings for cylindrical drill clamps.
- Parallel shank with driving flat.

APPLICATION:
For use with twist drills having same shank diameter as chuck/bushing hole.
For use on boring machines equipped with adaptors and/or chucks.

ASSEMBLY ILLUSTRATION



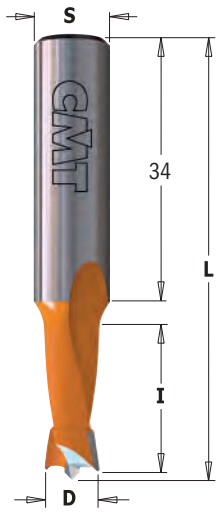


310

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**
9.53	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



361

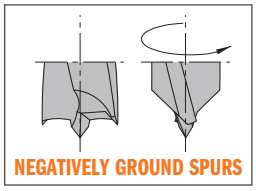
HW Z2 V2 RH LH

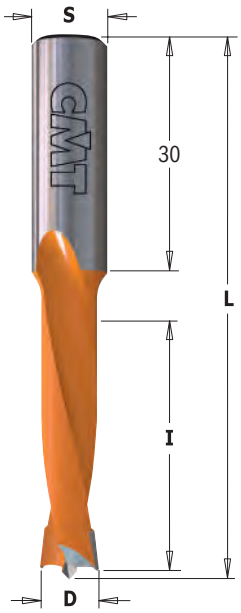
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	18	57.5	10x34	50	**361.050.11**	**361.050.12**
6	18	57.5	10x34	50	**361.060.11**	**361.060.12**
7	18	57.5	10x34	50	**361.070.11**	**361.070.12**
8	18	57.5	10x34	50	**361.080.11**	**361.080.12**
10	18	57.5	10x34	50	**361.100.11**	**361.100.12**

Spare Parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.



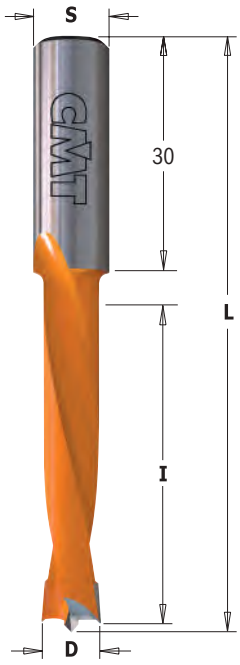


311

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
9.53	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



362

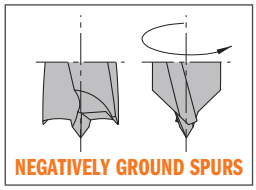
HW Z2 V2 RH LH

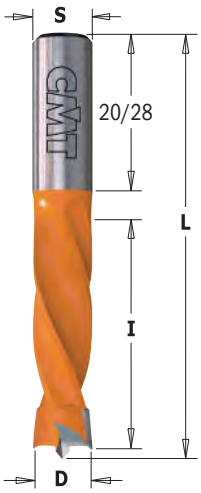
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	44	77	10x30	50	362.050.11	362.050.12
6	44	77	10x30	50	362.060.11	362.060.12
7	44	77	10x30	50	362.070.11	362.070.12
8	44	77	10x30	50	362.080.11	362.080.12
10	44	77	10x30	50	362.100.11	362.100.12
12	44	77	10x30	10	362.120.11	362.120.12

Spare Parts 990.003.00 — Optional 990.088.00

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.





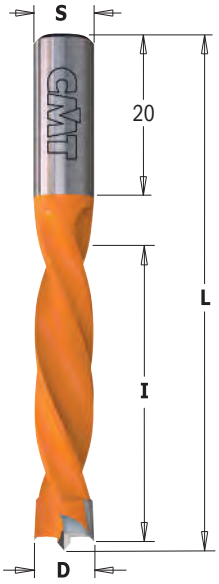
306

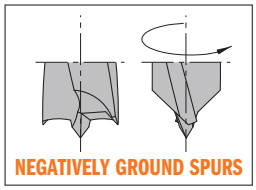
HW HWM Z2 V2 RH LH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
• 3	18	55.5	8x28	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





307

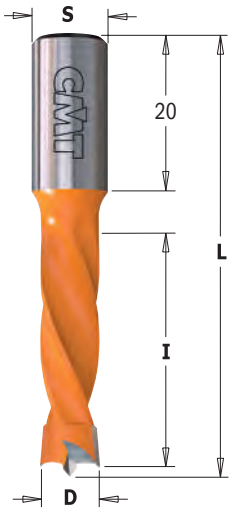
HW Z2 V2 RH LH

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**
9.53	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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

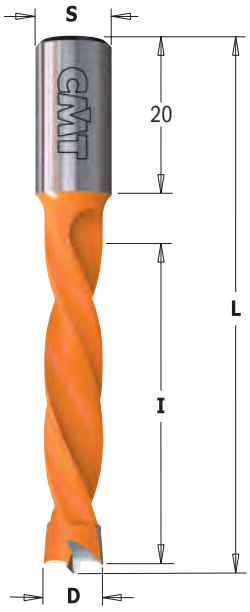


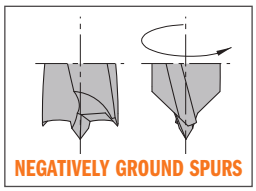
308

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
9.53	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





309

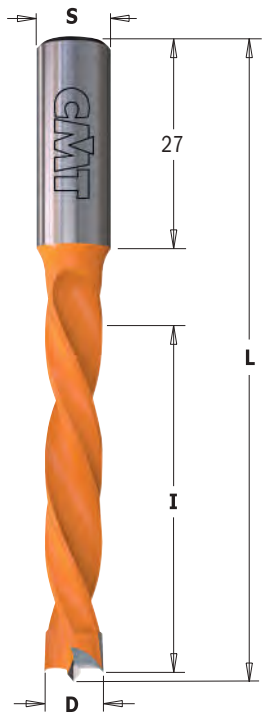
HW Z2 V2 RH LH

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
9.53	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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

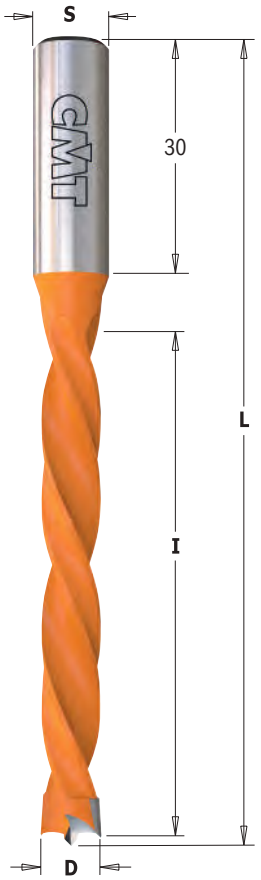


373

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**

Spare Parts 990.003.00 — *Optional* 990.088.00



372

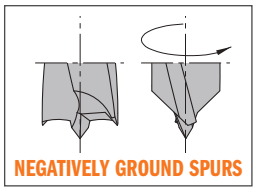
HW Z2 V2 RH LH

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**

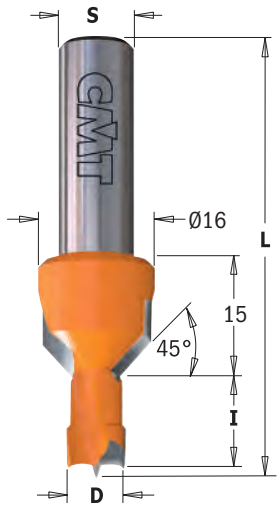
Spare Parts 990.003.00 — *Optional* 990.088.00

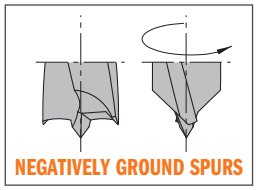
TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.



Dowel Drills with Countersink





376-377

HW Z2 V2 RH LH

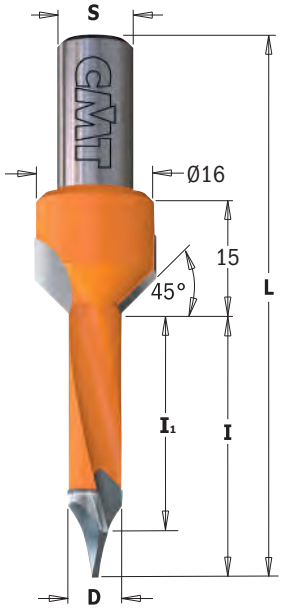
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	12	57.5	10	10	376.080.11	376.080.12
8	13	57.5	10	10	376.083.11	376.083.12
8	15	57.5	10	10	376.081.11	376.081.12
8	20	57.5	10	10	376.082.11	376.082.12
10	12	57.5	10	10	376.100.11	376.100.12
10	13	57.5	10	10	376.103.11	376.103.12
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

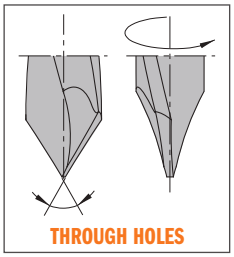
TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink HW cutting edges [Z2] at 45°.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
For drilling (blind holes) and countersinking in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

Dowel Drills for Through Holes with Countersink





378

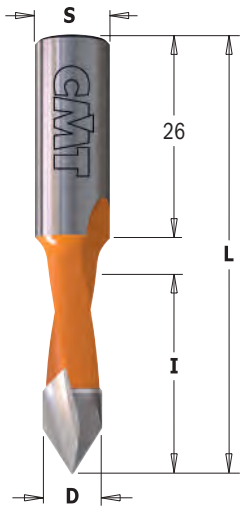
HW Z2 V2 RH LH

D mm	I mm	I_1 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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 countersink HW cutting edges [Z2] at 45°.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling and countersinking in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

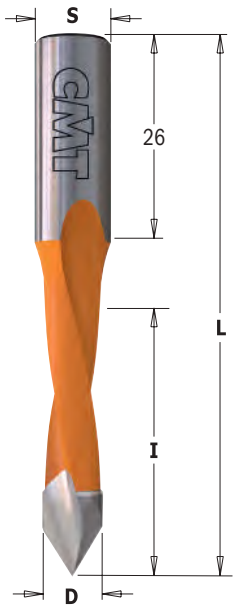


313 FOR PANELS WITH MAXIMUM THICKNESS: 20mm

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**

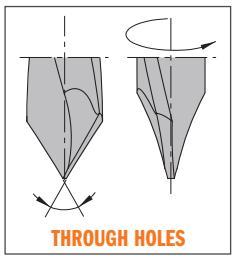
Spare Parts 990.003.00 — Optional 990.088.00



314 FOR PANELS WITH MAXIMUM THICKNESS: 25-30mm

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**
9.53	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**



366 FOR PANELS WITH MAXIMUM THICKNESS: 30-40mm

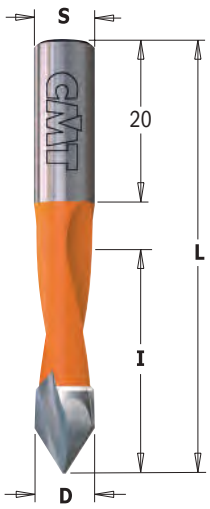
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	44	77	10x26	50	**366.050.11**	**366.050.12**
6	44	77	10x26	50	**366.060.11**	**366.060.12**
8	44	77	10x26	50	**366.080.11**	**366.080.12**
10	44	77	10x26	50	**366.100.11**	**366.100.12**
12	44	77	10x26	10	**366.120.11**	**366.120.12**

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

2 Flute Dowel Drills for Through Holes



HW Z2 RH LH

367 FOR PANELS WITH MAXIMUM THICKNESS: 20-25mm

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**

368 FOR PANELS WITH MAXIMUM THICKNESS: 35-40mm

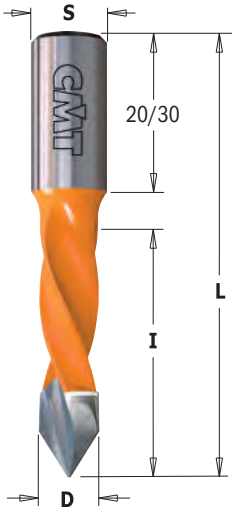
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	70	8x20	50	**368.050.11**	**368.050.12**
6	43	70	8x20	50	**368.060.11**	**368.060.12**
7	43	70	8x20	50	**368.070.11**	**368.070.12**
8	43	70	8x20	50	**368.080.11**	**368.080.12**

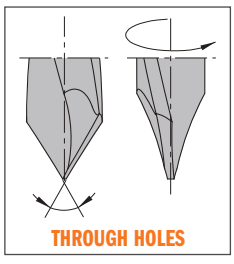
TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

4 Flute Dowel Drills for Through Holes





HW Z2 RH LH

374 FOR PANELS WITH MAXIMUM THICKNESS: 20-25mm

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 THICKNESS: 30-35mm

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 THICKNESS: 60-65mm

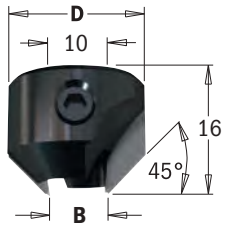
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	70	115	10x30	10	**381.050.11**	**381.050.12**
6	70	115	10x30	10	**381.060.11**	**381.060.12**
8	70	115	10x30	10	**381.080.11**	**381.080.12**
10	70	115	10x30	10	**381.100.11**	**381.100.12**

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 4 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

Countersinks for 2 Flutes Dowel Drills



315

HW Z2 RH LH

B 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

Spare Parts


990.006.00


991.062.00

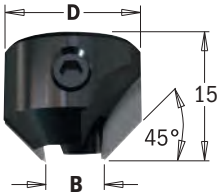
TECHNICAL DETAILS:
- Strength steel.
- 2 countersink HW cutting edges [Z2] at 45°.
- Direct clamp on the shank of the 2 flutes drills.
- Fastening screw for quick and easy drill bit change.

APPLICATION:
for chamfering in solid wood, wood derivatives and laminates.

315 ASSEMBLY ILLUSTRATION



Countersinks for 4 Flutes Dowel Drills



316

HW Z2 RH LH

B 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

Spare Parts


990.002.00


991.062.00

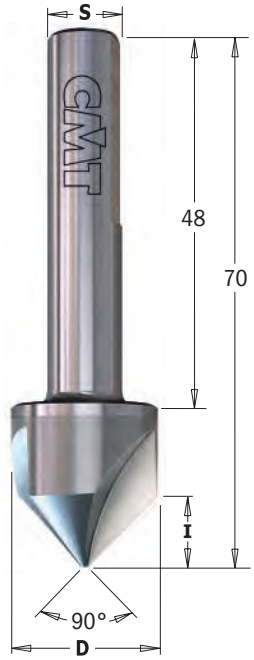
TECHNICAL DETAILS:
- Strength steel.
- 2 countersink HW cutting edges [Z2] at 45°.
- Direct clamp on the shank of the 4 flutes drills.
- Fastening screw for quick and easy drill bit change.

APPLICATION:
for chamfering in solid wood, wood derivatives and laminates.

316 ASSEMBLY ILLUSTRATION



90° Solid Carbide Countersink with Driving Flat



521

HWM Z3 RH

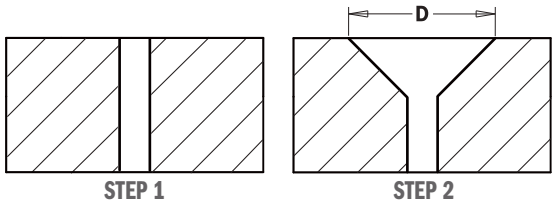
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
19.5	9	70	10x48	10	521.002.21	

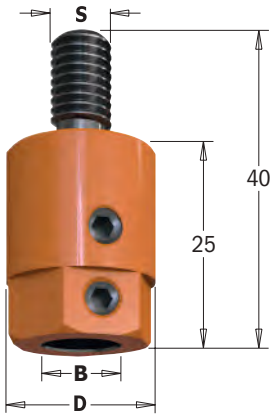
Spare Parts


990.003.00

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 3 cutting edges [Z3] at 90°.
- Parallel shank with driving flat.

APPLICATION:
for making 90° countersinks for the insertion of screws that sit flush with the surface.
Suitable for wood, wood-based, non-ferrous materials and metal.





301

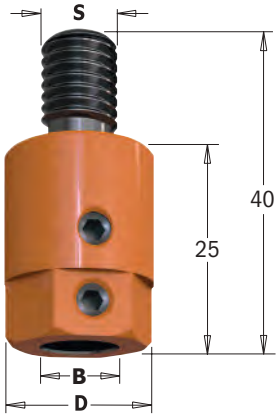
RH LH

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

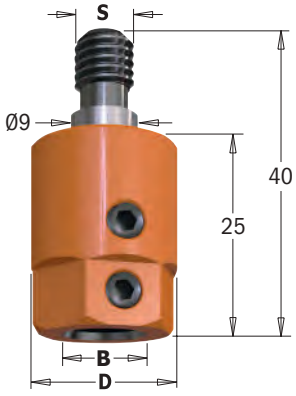
RH LH

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



358

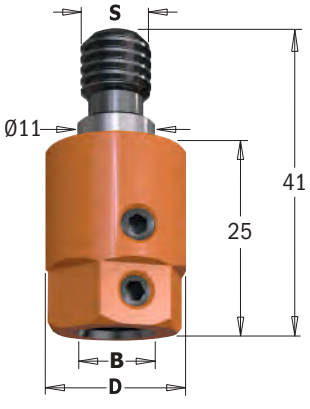
RH LH

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



305

RH LH

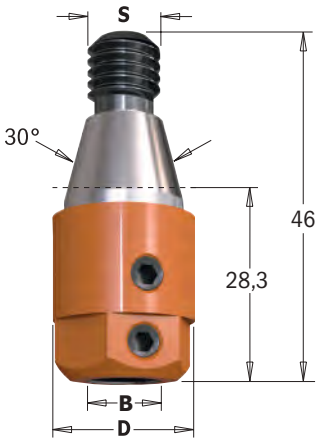
B mm	D mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10/11		10	**305.080.01**	**305.080.02**
10	19.5	M10/11		10	**305.000.01**	**305.000.02**

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

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



303

RH LH

B mm	D mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
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



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



359

RH

B mm	D mm	S mm			ORDER NO. Right-hand rotation	
10	19.5	10x35		10	**359.100.00**	

For use on boring machine centres.

Spare Parts

990.006.00	991.062.00



360.001

RH LH

B mm	D2 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:
BIESSE® machines with quick drill change chuck.

Spare Parts

990.007.00	991.067.00

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360.101

B mm	D2 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

B mm	D2 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



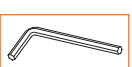
360.301

B mm	D2 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®, FELDER®, GRIGGIO®.

Spare Parts


990.015.00


991.062.00



360.401

B mm	D2 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

DESCRIPTION		ORDER NO. Right-hand & Left-hand rotation
Retaining screw with blue threadlocker for WEEKE® machines	10	**990.088.00**

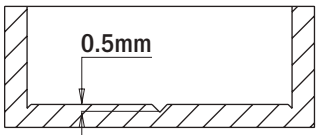
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Maximize Your HINGE BORING'S Performance

HINGE BORING RANGE	DP	XTREME	INDUSTRIAL	
PERFORMANCE	★★★★★	★★★★	★★★	
				
FEATURES	**0.5MM HW CENTRE POINT** Non-protruding center-point and spurs make this tool perfect for low-thickness panels.	**0.8MM HW CENTRE POINT** Non-protruding center-point and spurs make this tool perfect for low-thickness panels.	**1MM HW CENTRE POINT** **CHIPBREAKER** Ensure better chip evacuation	**1MM HW CENTRE POINT**
SHARPENING	**NEGATIVELY GROUND SPURS** Standard design head with 2 DP ground cutting edges + 2 DP negatively ground spurs.	**XTREME SHARPENING CURVED SPURS** Specially designed with curved spurs provide impeccable finishing during high-speed drilling feed operations. 	**NEGATIVELY GROUND SPURS** Standard design head with 2 HW ground cutting edges + 2 HW negatively ground spurs.	
DIAMOND/ CARBIDE	PCD DP 20X LONGER LIFE THAN CARBIDE **POLYCRYSTALLINE DIAMOND** The polycrystalline diamond increases tool life up to 20 times longer than HW hinge bits. Good number of resharpenings guaranteed. The best quality/price ratio.	HW **INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE** Premium quality, tungsten carbide tip produces clean bores with no rough edges. Guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings.	HW **INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE** The tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores.	
COATING	CORROSION FREE NICKEL COATING **NICKEL COATING** High-quality nickel-plated with anti-friction and anti-corrosion properties.	NON-STICK ORANGE SHIELD COATING **ORANGE SHIELD® NON-STICK PTFE COATING** - Protects against corrosion and rust. - Reduces resin and residue build-up. - Reduces overheating and blade drag. - Improves performance and cutting life.		
MATERIALS APPLICATION	Ideal for chipboard, MDF, HDF, laminates and abrasive panels in which long service life is imperative.	Ideal for chipboard, MDF, HDF and laminates.	Excellent for both hard and soft wood. Great for chipboard, MDF, HDF and laminates.	
DESCRIPTION	Designed for heavy duty drilling in large-scale industrial manufacturing ensuring very high impact resistance and superb 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 good impact resistance and good durability.	
USER	LARGE-SCALE INDUSTRIAL MANUFACTURING	LARGE-SCALE INDUSTRIAL MANUFACTURING	MEDIUM-SCALE TO SMALL-SCALE INDUSTRIAL MANUFACTURING	
RECOMMENDED USE	INDUSTRIAL PRODUCTION	INDUSTRIAL PRODUCTION	INDUSTRIAL PRODUCTION/CABINETMAKER'S	

DP - Hinge Boring Bits - LONG LIFE





New construction with
0.5mm centre point

317

PCD DP | Z2 | V2 | RH | LH

D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	57.5	10x25		10	317.150.61	317.150.62
35	57.5	10x25		10	317.350.61	317.350.62

369

D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	70	10x25		10	369.150.61	369.150.62
16	70	10x25		10	369.160.61	369.160.62
20	70	10x25		10	369.200.61	369.200.62
25	70	10x25		10	369.250.61	369.250.62
26	70	10x25		10	369.260.61	369.260.62
35	70	10x25		10	369.350.61	369.350.62

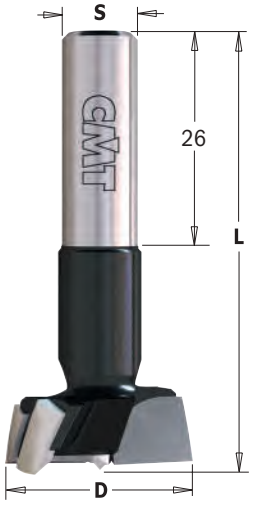
TECHNICAL DETAILS:
- Premium quality strength steel.
- HW centre point 0.5mm.
- 2 DP ground cutting edges [Z2] + 2 DP negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

Spare Parts: 990.003.00 — Optional: 990.088.00

APPLICATION:
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
Ideal for hinges. For use on boring machine equipped with adaptors and/or chucks.
Boring performance 20 times longer than HW materials.

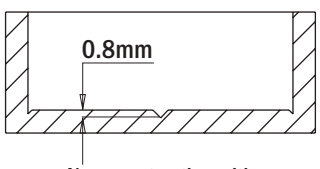
REMARK: *special dimensions available on request.*

Hinge Boring Bits



XTREME SHARPENING CURVED SPURS





New construction with
0.8mm centre point

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

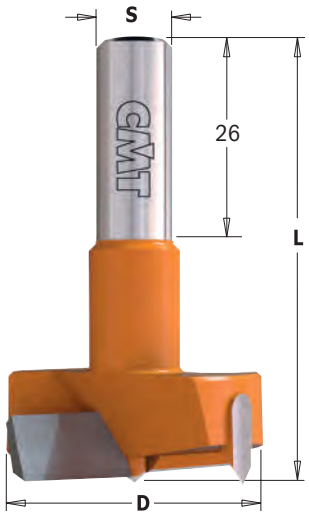
D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	70	10x26		10	369.150.41	369.150.42
18	70	10x26		10	369.180.41	369.180.42
20	70	10x26		10	369.200.41	369.200.42
25	70	10x26		10	369.250.41	369.250.42
26	70	10x26		10	369.260.41	369.260.42
35*	70	10x26		10	369.350.41	369.350.42

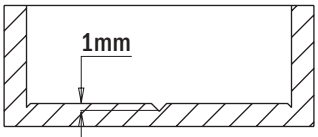
*with chipbreaker

Spare Parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality strength steel.
- Centre point 0.8mm.
- 2 ground cutting edges [Z2] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
Ideal for hinges. For use on boring machine equipped with adaptors and/or chucks.





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:
- Premium quality strength steel.
- Centre point 1mm.
- 2 ground cutting edges [Z2] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
Ideal for hinges. For use on boring machine equipped with adaptors and/or chucks.

369

HW Z2 V2 RH LH

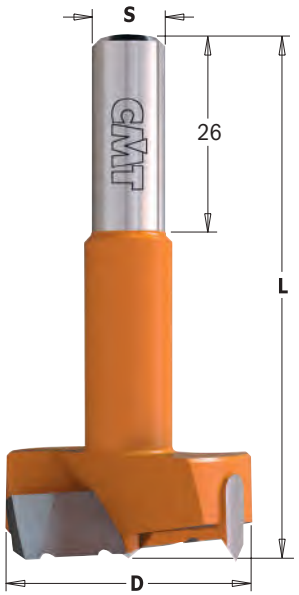
D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
14	70	10x26		10	369.140.11	369.140.12
15	70	10x26		10	369.150.11	369.150.12
16	70	10x26		10	369.160.11	369.160.12
18	70	10x26		10	369.180.11	369.180.12
20	70	10x26		10	369.200.11	369.200.12
22	70	10x26		10	369.220.11	369.220.12
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

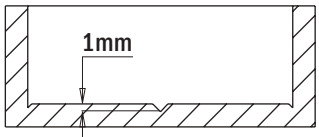
370

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





New construction with
1mm centre point.

317C

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**

369C

HW Z2R V2 RH LH

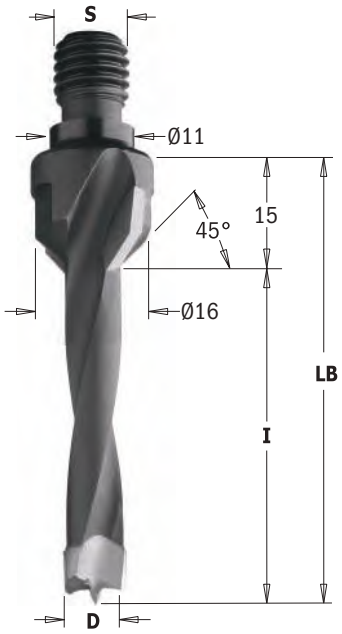
D mm	L mm	S mm			ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
35	70	10x26		10	**369.350.11C**	**369.350.12C**
40	70	10x26		10	**369.400.11C**	**369.400.12C**
45	70	10x26		10	**369.450.11C**	**369.450.12C**

TECHNICAL DETAILS:
- Premium quality strength steel.
- Centre point 1mm.
- 2 ground cutting edges with chipbreaker [Z2R] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

Spare Parts	*Optional*
990.003.00	990.088.00

APPLICATION:
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
Ideal for hinges. For use on boring machine equipped with adaptors and/or chucks.

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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink cutting edges at 45°.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.



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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on boring machines equipped with chucks.

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

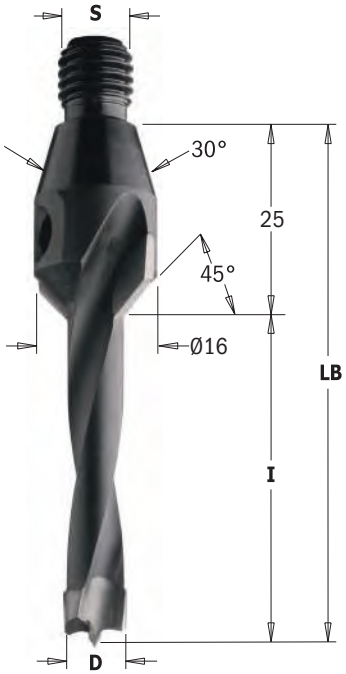
FOR USE ON THE FOLLOWING MACHINES:
MASTERWOOD® (Zangheri & Boschetti), MORBIDELLI®, NOTTMEYER® (new design).

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on boring machines equipped with chucks.

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Dowel Drills with Threaded Shank with Countersink



ON REQUEST

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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink cutting edges at 45°.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

Dowel Drills with Threaded Shank without Countersink



ON REQUEST

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:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

APPLICATION:
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.



BITS FOR HAND POWER TOOLS

PRODUCTS	PAGE
Adaptors & Extension	364-365
Interchangeable Boring Bits	365
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Plug Cutters & Sets	370-371
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Drill Bits for ANUBA® Hinges	377
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509-532-533 WITH PARALLEL SHANK

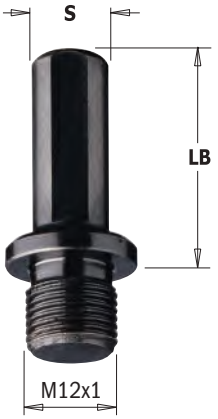
RH LH

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**	
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:
- Strength steel.
- Precision grinding on all contact surfaces.

APPLICATION:
for use on boring machines equiped with adaptors and/or chucks.



511 WITH PARALLEL SHANK WITH DRIVING FLAT

RH LH

S mm	LB mm		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10x20	27	10	**511.270.01**	**511.270.02**
10x35	40	10	**511.400.01**	**511.400.02**

For use with the following parts: **501** HW

Spare Parts
990.003.00

TECHNICAL DETAILS:
- Strength steel.
- Precision grinding on all contact surfaces.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION: for use on boring machines equipped with adaptors and/or chucks.



506 WITH THREADED SHANK

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:
- Strength steel.
- Precision grinding on all contact surfaces.

APPLICATION:
for use on boring machines equipped with adaptors and/or chucks.



503 WITH THREADED SHANK

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:
- Strength steel.
- Precision grinding on all contact surfaces.

APPLICATION:
for use on boring machines equipped with adaptors and/or chucks.

Adaptors for interchangeable boring bits



534 FOR CNC

RH

S mm				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:
- Strength steel.

APPLICATION:
for use on CNC machining centers or hand-held routers equipped with adaptors and/or chucks.

Extension for drills with hexagonal shank

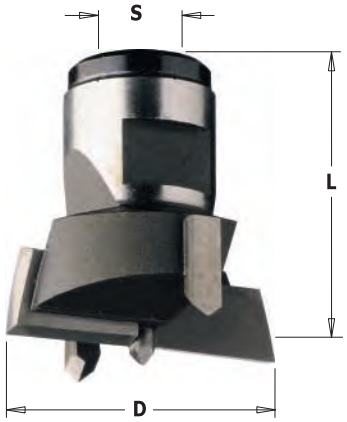


507

S	L mm	L inches	B mm		ORDER NO.
Hexagonal 1/4"	330	13	8	25	**507.080.33**
Hexagonal 11/32"	330	13	9.5	25	**507.095.33**
Hexagonal 11/32"	330	13	10	25	**507.100.33**

TECHNICAL DETAILS:
- High strength steel.
- Precision grinding on all contact surfaces.

Interchangeable Boring Bits with Threaded Shank

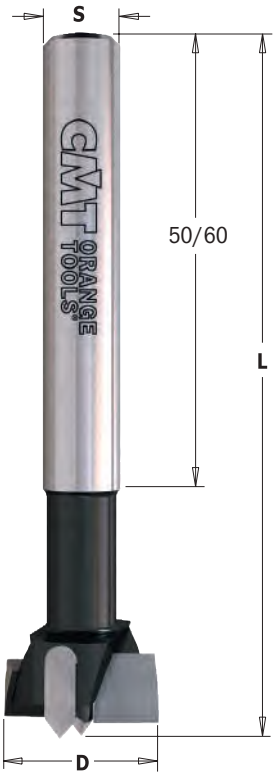


501

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**	
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**	
26	30	M12x1		1	**501.260.11**	**501.260.12** ■
30	30	M12x1		1	**501.300.11**	
32	30	M12x1		1	**501.320.11**	
34	30	M12x1		1	**501.340.11**	
35	30	M12x1		1	**501.350.11**	**501.350.12**
36	30	M12x1		1	**501.360.11**	
38	30	M12x1		1	**501.380.11**	
40	30	M12x1		1	**501.400.11**	
45	30	M12x1		1	**501.450.11**	**501.450.12** ■
50	30	M12x1		1	**501.500.11**	
55	30	M12x1		1	**501.550.11**	**501.550.12** ■
60	30	M12x1		1	**501.600.11**	

■ *While supplies last*



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:
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminate materials.
Ideal for hinges.

5 Piece Boring Bit Set for Hinges



512.001.01

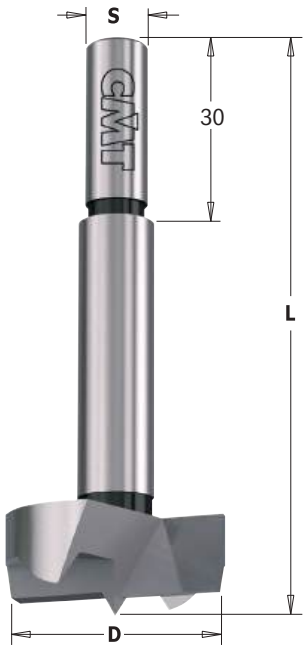
HW Z2 V2 RH

The perfect set for hinge work and other related applications.
Machined from special high speed steel and featuring tungsten carbide tipped cutting edges.

TECHNICAL DETAILS:
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminated materials.
Ideal for hinges.

S mm	L mm	BIT DIAMETER mm		ORDER NO. Right-hand rotation
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	8x30		10	**512.081.31**	
10	90	8x30		10	**512.101.31**	
12	90	8x30		10	**512.121.31**	
14	90	8x30		10	**512.141.31**	
15	90	8x30		10	**512.151.31**	
16	90	8x30		10	**512.161.31**	
18	90	8x30		10	**512.181.31**	
20	90	8x30		10	**512.201.31**	
22	90	8x30		10	**512.221.31**	
24	90	8x30		10	**512.241.31**	
25	90	8x30		10	**512.251.31**	
26	90	8x30		10	**512.261.31**	
28	90	8x30		10	**512.281.31**	
30	90	8x30		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:
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

APPLICATION:
used for drilling blind holes in solid wood, wood derivatives and laminates.
Ideal for hinges.

5 Piece Boring Bit Set for Hinges



512.001.00

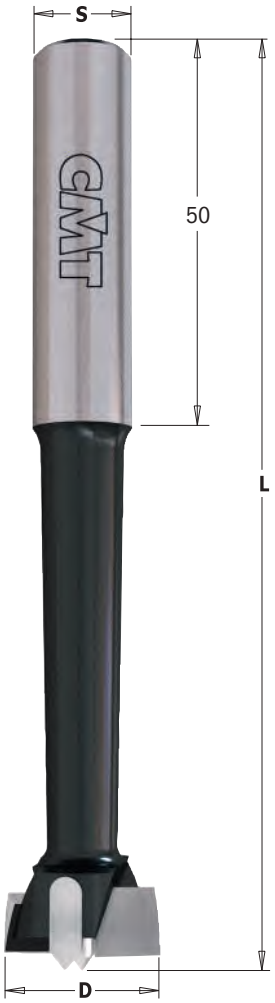
SP Z2 V2 RH

for the most popular brand applications. Machined from special high speed steel its really does a great job for those traditional hinge jobs.

TECHNICAL DETAILS:
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
Ideal for hinges.

S mm	L mm	BIT DIAMETER mm		ORDER NO. Right-hand rotation
8-10	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**	

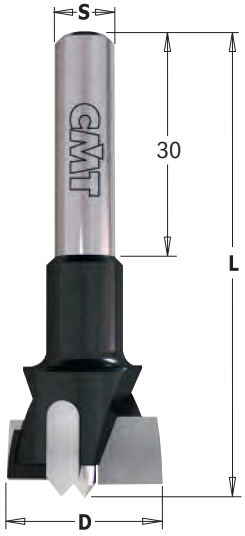
514

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:
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
Ideal for hinges.

Boring Bits with Parallel Shank



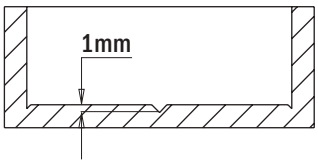
392

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:
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
Ideal for hinges.



New construction with 1mm centre point

Mortise Chisel & Bit Sets



543

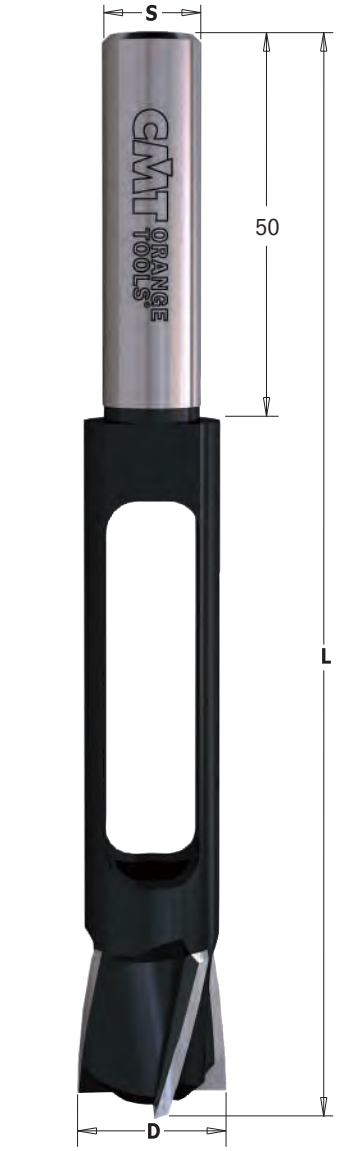
HSS Z1 RH

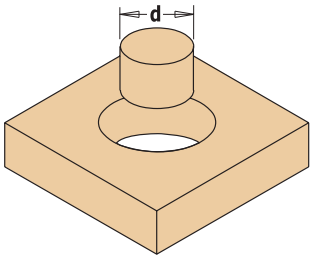
D mm	D inches	S mm	S inches		ORDER NO. Right-hand rotation	
6.35	1/4	19	3/4	1	**543.064.51**	
8	5/16	19	3/4	1	**543.079.51**	
9.5	3/8	19	3/4	1	**543.095.51**	
12.7	1/2	19	3/4	1	**543.127.51**	
15.8	5/8	19	3/4	1	**543.158.51**	
19	3/4	19	3/4	1	**543.190.51**	





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 (article no. **799.130.00** on page 440)

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:

- Dependable DIYer tools. Great quality/price ratio.
- SP steel.
- 4 cutting edges.

APPLICATION:

for drilling plugs in natural soft or medium-density woods.



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 drill plugs in soft to medium-density hardwood, you've got three different sets to choose from. **Dependable DIYer tools. Great quality/ price ratio.**

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



Toothed rim >=Ø25mm



Standard rim <Ø25mm

537

SP Z2 V2 RH

D mm	L mm	S mm		ORDER NO. Right-hand rotation
10	90	8	6	**537.100.31**
12	90	8	6	**537.120.31**
14	90	8	6	**537.140.31**
15	90	8	6	**537.150.31**
16	90	8	6	**537.160.31**
18	90	8	6	**537.180.31**
20	90	8	6	**537.200.31**
22	90	8	6	**537.220.31**
24	90	8	6	**537.240.31**
25	90	8	6	**537.250.31**
26	90	8	6	**537.260.31**
28	90	8	6	**537.280.31**
30	90	8	6	**537.300.31**
32	90	10	6	**537.320.31**
35	90	10	6	**537.350.31**
38	90	10	6	**537.380.31**
40	90	10	6	**537.400.31**
45	90	10	6	**537.450.31**
50	90	10	6	**537.500.31**
55	90	10	6	**537.550.31**
68	157	12.7	6	**537.680.31**
70	157	12.7	6	**537.700.31**
75	157	12.7	2	**537.750.31**
80	157	12.7	2	**537.800.31**
85	157	12.7	2	**537.850.31**
90	157	12.7	2	**537.900.31**
95	157	12.7	2	**537.950.31**
100	157	12.7	2	**537.990.31**

D inches	L inches	S inches		ORDER NO. Right-hand rotation
1/4	3-35/64	3/8	6	**537.064.31**
3/8	3-35/64	3/8	6	**537.095.31**
1/2	3-35/64	3/8	6	**537.127.31**
5/8	3-35/64	3/8	6	**537.158.31**
3/4	3-35/64	3/8	6	**537.190.31**
7/8	3-35/64	3/8	6	**537.222.31**
1	3-35/64	3/8	6	**537.254.31**
1-1/8	3-35/64	3/8	6	**537.285.31**
1-1/4	3-35/64	3/8	6	**537.317.31**
1-3/8	3-35/64	3/8	6	**537.349.31**
1-1/2	3-35/64	3/8	6	**537.381.31**
1-5/8	3-35/64	3/8	6	**537.413.31**
1-3/4	3-35/64	3/8	6	**537.445.31**
1-7/8	3-35/64	3/8	6	**537.476.31**
2	3-35/64	3/8	6	**537.508.31**
2-1/8	3-35/64	3/8	6	**537.540.31**
2-1/4	6-3/16	3/8	6	**537.571.31**
2-1/2	6-3/16	3/8	6	**537.635.31**
3	6-3/16	3/8	2	**537.762.31**
3-1/2	6-3/16	3/8	2	**537.889.31**
4	6-3/16	3/8	2	**537.991.31**
4-1/2	4-17/32	3/8	2	**537.993.31**

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:
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP precision ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

APPLICATION:
for drilling flat bottom holes of any size in softwood. Create oval and arched openings at any angle.
Create niches for the installation of brackets/straps, frames/grids.

Forstner Bit Sets

We offer a wide range of Forstner bits in the most popular diameters to execute holes for brackets/straps in softwood. Drill ovals and arched openings at any angle for the installation of hinge parts. Available in 4, 5, 7, 12 and 16 bit sets.
Dependable DIYer tools. Great quality/price ratio.

537.000.16

SP Z2 V2 RH



537.000.04
537.000.05
537.000.07
537.000.12



DESCRIPTION	SHANK mm	SHANK inches	BIT DIAMETER		ORDER NO. Right-hand rotation
5 pcs. Forstner Bit Set in clamshell	Ø8-10		Ø15-20-25-30-35mm	6	**537.000.05**
12 pcs. Forstner Bit Set in clamshell	Ø8-10		Ø10-12-14-15-16-18-20-22-25-26-30-35mm	6	**537.000.12**
4 pcs. Forstner Bit Set in clamshell		Ø3/8	Ø1/4" - 1/2" - 3/4" - 1"	6	**537.000.04**
7 pcs. Forstner 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. Forstner 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

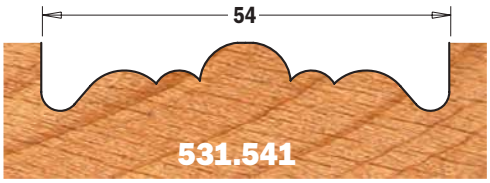
HW Z2 RH

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:
- Strength steel.
- 2 HW precision ground cutting edges [Z2].
- **Parallel hexagonal shank.**

APPLICATION:
for use on drill presses and low speed power tools (see table above for MAX RPM). We recommend securely clamping your workpiece throughout drilling operations.

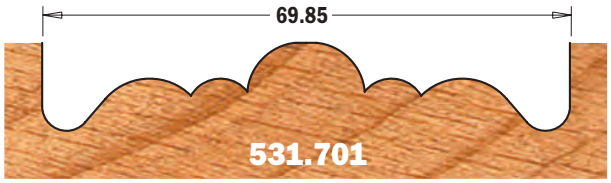








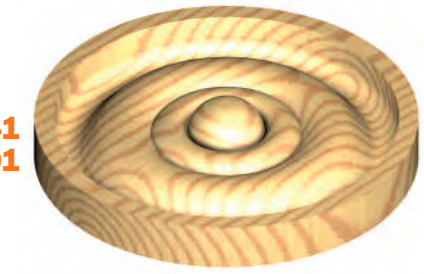




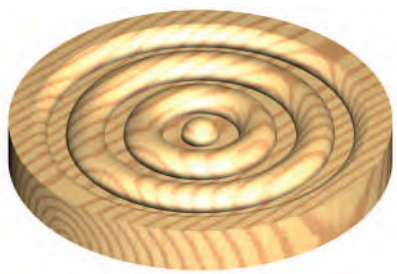


Drawing is 1:1 scale





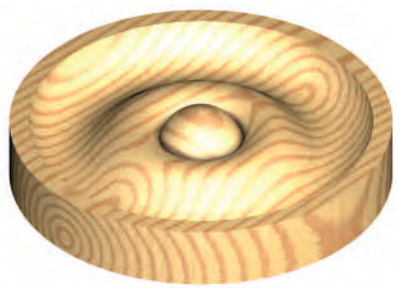
531.541
531.701



531.543

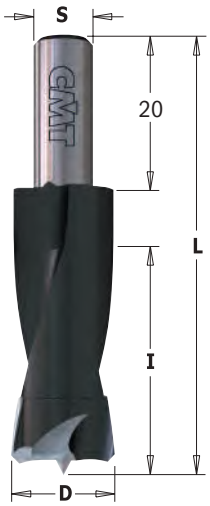


531.542
531.702



531.544

Dowel Drills for MAFELL® & Hand-Held Routers





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**	

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- No lateral spurs.
- 2 spiral flutes.
- Centre point.
- Black PTFE coating.
- **Parallel shank with driving flat and length adjusting screw.**

Spare Parts 990.003.00 — Optional 990.088.00

APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on hand-held routers and MAFELL® machines - model DD40.

Router Bits for DOMINO® Joining Machines by FESTOOL®



380

HW HWM Z2 RH

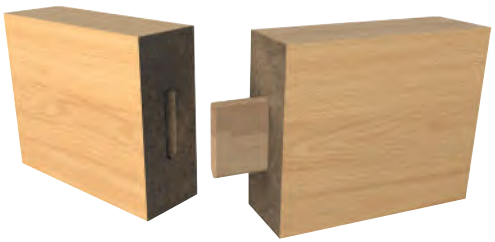
D mm	I mm	L mm	S mm	FESTOOL®		ORDER NO. Right-hand rotation
• 4	11	38	M6x0.75	DF500	10	**380.040.11**
5	20	49	M6x0.75	DF500	10	**380.050.11**
6	28	49	M6x0.75	DF500	10	**380.060.11**
8	28	49	M6x0.75	DF500	10	**380.080.11**
10	28	49	M6x0.75	DF500	10	**380.100.11**
8	50	90	M8x1	DF700	10	**380.081.11**
10	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**

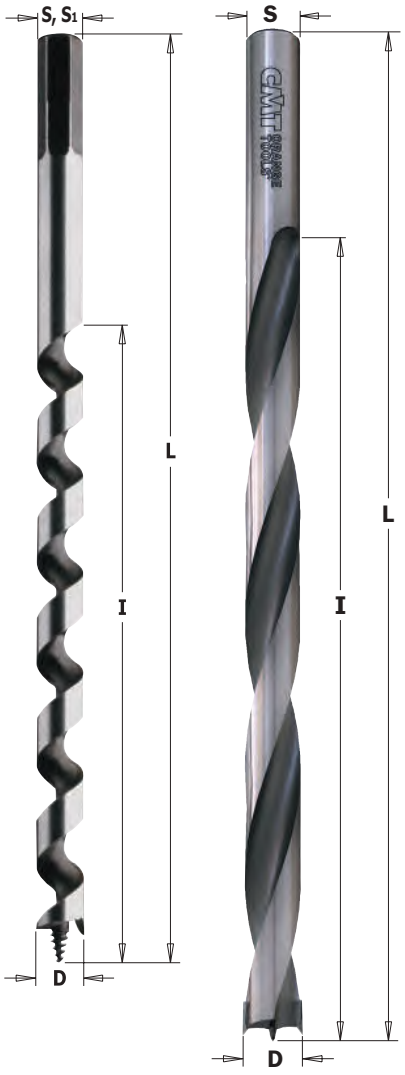
TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- No lateral spurs and centre point.
- 2 spiral flutes.
- Black PTFE coating.
- **Threaded shank.**

APPLICATION:
for use on "DOMINO® machines to rout slots for hinges.





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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	385	460	Hexagonal	6.55	800 ~ 1000	1	**535.080.51**
10	385	460	Hexagonal	9	600 ~ 1000	1	**535.100.51**
12	385	460	Hexagonal	12	600 ~ 1000	1	**535.120.51**
14	385	460	Hexagonal	12	500 ~ 900	1	**535.140.51**
16	385	460	Hexagonal	12	500 ~ 900	1	**535.160.51**
18	385	460	Hexagonal	12	450 ~ 800	1	**535.180.51**
20	385	460	Hexagonal	12	400 ~ 700	1	**535.200.51**

TECHNICAL DETAILS:
- HSS steel.
- Centre point.
- 1 HSS cutting edge [Z1] + 1 spur [V1].
- 1 spiral flute.

APPLICATION:
for deep boring on soft and medium-density wood.
Ideal for the preparation and installation of floating shelves.

542

HW Z2 V2 RH

D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
12	180	240	13	1	**542.120.11**	
14	180	240	13	1	**542.140.11**	

TECHNICAL DETAILS:
- Strength steel.
- High quality HW tip.
- Centre point.
- 2 HW cutting edge [Z2] + 2 spurs [V2].
- 2 spiral flute.

APPLICATION:
for deep boring on soft and medium-density wood.
Ideal for the preparation and installation of floating shelves.

Brad Point Bits & Stop Collars



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:
- Strength steel.
- High quality HW tip.
- Centre point.
- 2 HW cutting edge [Z2] + 2 spurs [V2].
- 2 spiral flute.

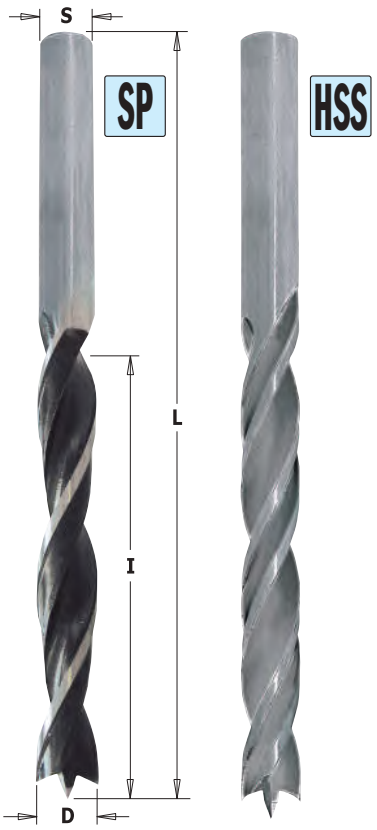
APPLICATION:
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on hand-held power drills and drill presses.

541

D mm		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 rings with tightening screw for quick and easy assembly on twist drills.

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	3.0	1	**517.030.31**	**517.030.51**
4	43	75	4	1	**517.040.31**	**517.040.51**
4.5	47	80	4.5	1		**517.045.51**
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:
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- Balanced center point.
- 2 SP cutting edges [Z2].
- 2 flutes.

APPLICATION:
for drilling holes in softwood.

HSS

TECHNICAL DETAILS:
- **Dependable DIYer tools. Great quality/price ratio.**
- HSS steel.
- Balanced center point.
- 2 HSS cutting edges [Z2].
- 4 spiral flutes.

APPLICATION:
used for drilling holes in soft and hardwood.

Brad Point Bit Sets



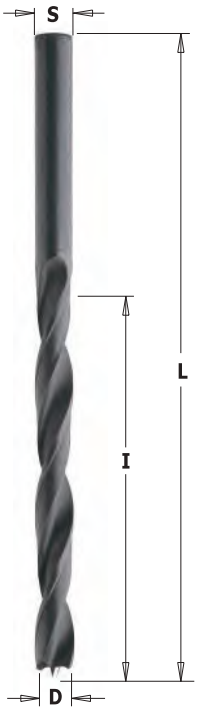
517

SP HSS Z2 RH

5 & 8 Piece Brad Point Bit Set
Safely packaged in a reusable plastic case for easy storage and access.
Dependable DIYer tools. Great quality/price ratio.

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

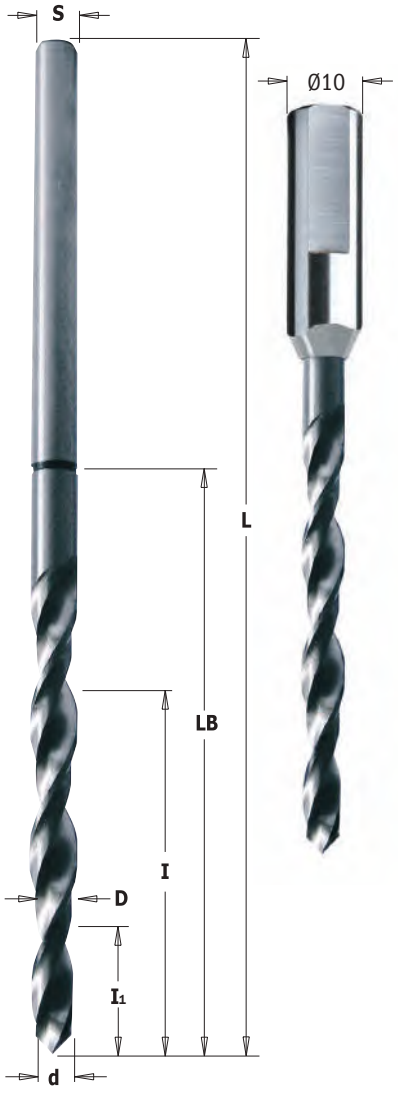
HSS Z2 RH LH

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:
- HSS steel.
- Centre point.
- 2 HSS cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:
for drilling blind holes in soft and medium-density wood.

Drill Bits for ANUBA® Hinges



515 PARALLEL SHANK

HSS Z2 RH

ANUBA® nr.	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**

515 PARALLEL SHANK WITH DRIVING FLAT

ANUBA® nr.	d mm	D mm	I mm	LB mm	S mm	L mm		ORDER NO. Right-hand rotation
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**

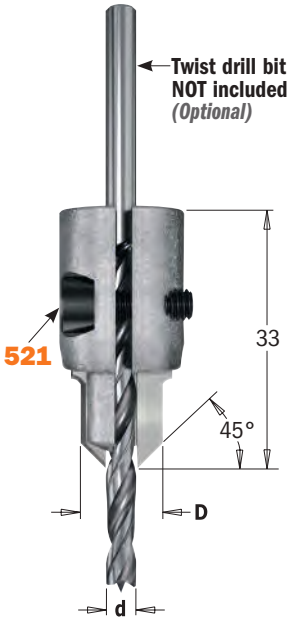
TECHNICAL DETAILS:
- HSS steel.
- Centre point.
- 2 HSS cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:
for drilling holes in medium density wood.
For the installation of ANUBA® hinges.





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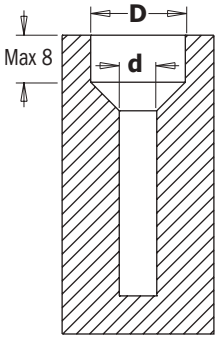


521.001

HW Z2 RH

d mm	D mm		ORDER NO. Right-hand rotation	Spare Parts	
3 ~ 7	10 ~ 14	10	**521.001.11**	990.061.00	991.067.00

For use with the following items: **516-517**

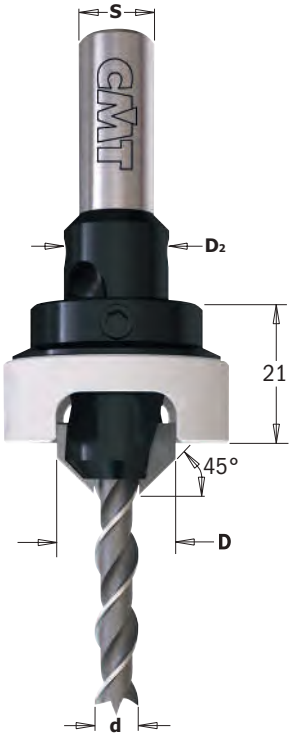


d	D
Ø3	Ø10
Ø4	Ø11
Ø5	Ø12
Ø6	Ø13
Ø7	Ø14

TECHNICAL DETAILS:
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.
- 3mm hex key included.
- **Dependable DIYer tools. Great quality/price ratio.**

APPLICATION:
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

Drill Bits with 45° Countersink Set



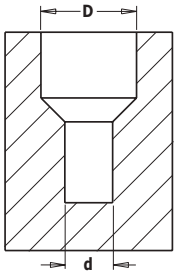
521A

HW Z2 RH

d mm	D mm	D₂ mm	A	S mm		ORDER NO. Right-hand rotation
3	12	10	45°	8	10	**521.312.11A**
4	12	10	45°	8	10	**521.412.11A**
4.5	16	14	45°	10	10	**521.4516.11A**
5	16	14	45°	10	10	**521.516.11A**
6	16	14	45°	10	10	**521.616.11A**

Spare Parts		
521.312.11	517.030.51P	541.101.00
521.412.11	517.040.51P	541.101.00
521.4516.11	517.045.51P	541.141.00
521.516.11	517.050.51P	541.141.00
521.616.11	517.060.51P	541.141.00

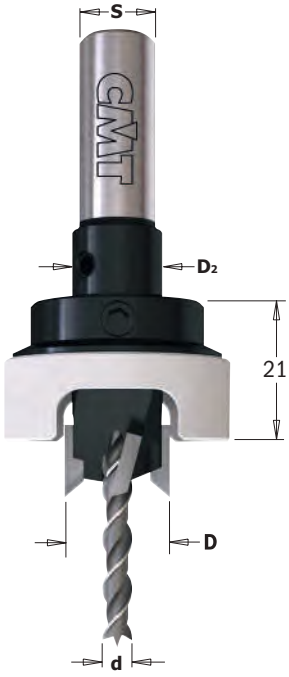
Spare Parts: **990.014.00** Screw
991.060.00 Hex key



TECHNICAL DETAILS:
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.
- HSS drill bit.
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

APPLICATION:
for drilling countersink and blind holes in solid wood, wood derivatives and laminates.
For use with hand-held power drills or drill presses.

Drill Bits with 90° Countersink Set



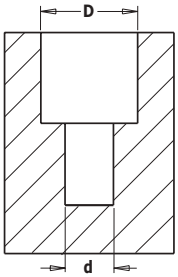
515A

HW Z2 V2 RH

d mm	D mm	D₂ mm	S mm		ORDER NO. Right-hand rotation
4	12	10	10	10	**515.412.11A**
4	14	12	10	10	**515.414.11A**
4	15	14	10	10	**515.415.11A**
5	15	14	10	10	**515.515.11A**
6	14	12	10	10	**515.614.11A**
6	15	14	10	10	**515.615.11A**

Spare Parts		
515.412.11	517.040.51P	541.101.00
515.414.11	517.040.51P	541.121.00
515.415.11	517.040.51P	541.141.00
515.515.11	517.050.51P	541.141.00
515.614.11	517.060.51P	541.121.00
515.615.11	517.060.51P	541.141.00

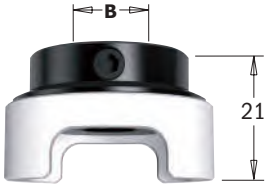
Spare Parts: **990.014.00** Screw
991.060.00 Hex key



TECHNICAL DETAILS:
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 90°.
- Fastening screw for quick and easy drill bit change.
- HSS drill bit.
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

APPLICATION:
for drilling countersink and blind holes in solid wood, wood derivatives and laminates.
For use with hand-held power drills or drill presses.

Stop Collars with DELRIN® Sleeve



541

B mm		ORDER NO.
10	1	**541.101.00**
12	1	**541.121.00**
14	1	**541.141.00**

Spare Parts	
990.014.00	991.060.00
990.014.00	991.060.00
990.014.00	991.060.00

TECHNICAL DETAILS:
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

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45° Countersink with Parallel Shank

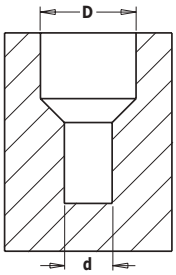


521

HW Z2 RH LH

d mm	D mm	D_2 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
4.5	16	14	45°	10	10	**521.4516.11**		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

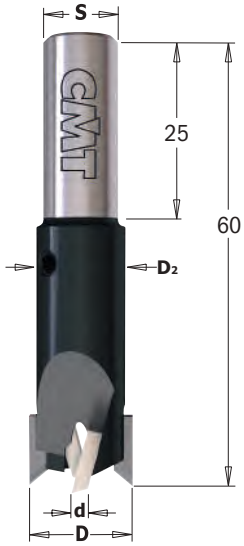
Spare parts: **991.060.00** 2mm hex key



TECHNICAL DETAILS:
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.

APPLICATION:
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

90° Countersink with Parallel Shank

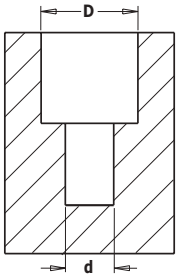


515

HW Z2 V2 RH

d mm	D mm	D_2 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
4	15	14	90°	10	10	**515.415.11**		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

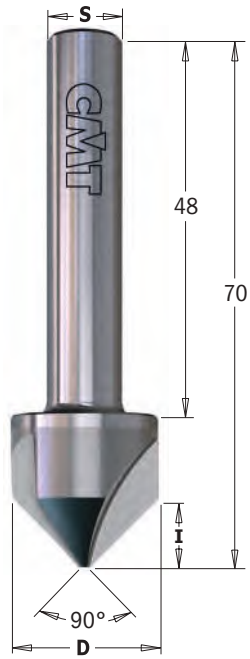
Spare parts: **991.060.00** 2mm hex key



TECHNICAL DETAILS:
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 90°.
- Fastening screw for quick and easy drill bit change.

APPLICATION:
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

90° Solid Carbide Countersink with Parallel Shank



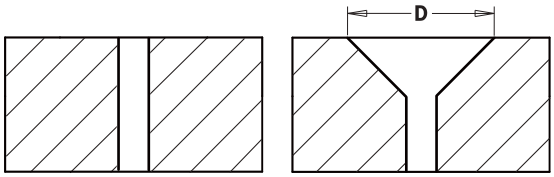
521

HWM Z3 RH

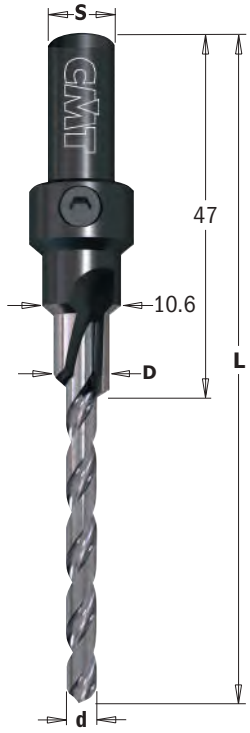
D mm	I mm	L mm	S mm		ORDER NO. Right-hand rotation	
19.5	9	70	10x48	10	**521.002.11**	

TECHNICAL DETAILS:
- Premium quality strength steel body.
- High quality HW tip.
- 3 cutting edges [Z3] at 90°.
- Parallel shank.

APPLICATION:
for making 90° countersinks for the insertion of screws that sit flush with the surface.
Suitable for wood, wood-based, non-ferrous materials and metal.



Drill Bit with Countersink for Screw Joints



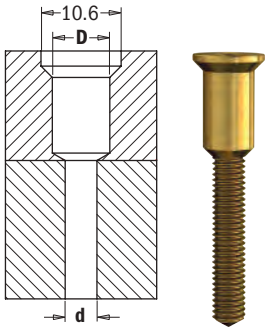
515

SP Z1 RH

d mm	D 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:
- SP steel.
- Countersink: 1 SP cutting edge [Z1].
- HSS drill bit.

APPLICATION:
for drilling blind holes in soft and hardwood.



CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

These hole saws, equipped with the new **XTREME FAST** system, have been improved to ensure maximum productivity, lifetime and unbeatable performance in all materials. The innovative patented **PUSH&LOCK** system makes the traditional hole saw arbor obsolete.

NEW FEATURES: **1.** One **PUSH&LOCK** arbor for all Hole Saw Series & Diameters. **2.** Change your Hole Saw, with a simple **PUSH&LOCK**. **3.** Release Plug with a push. **4.** Enlarge the existing hole.

SERIES 550X: MULTI-PURPOSE - HW



HW
10X LONGER LIFE
FASTER 5X

MATERIALS

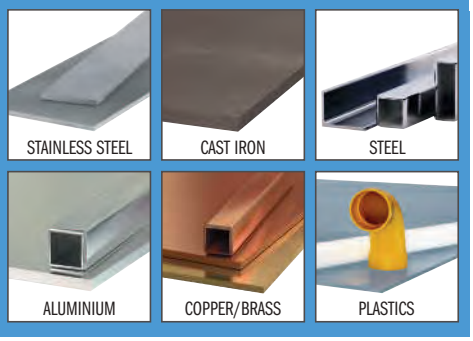


SERIES 551X: BI-METAL PLUS



BIM 8% Co
2X LONGER LIFE

MATERIALS



SERIES 552: DIAMOND DRY



GRIT
LONG LIFE

MATERIALS



CLAMSHELL PACKAGING

Hole Saws ≥Ø160mm are packaged in a carton box.





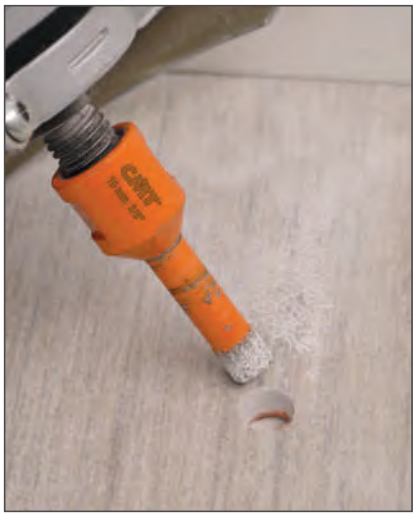


HOLE SAWS & MULTI-MATERIAL WHEELS









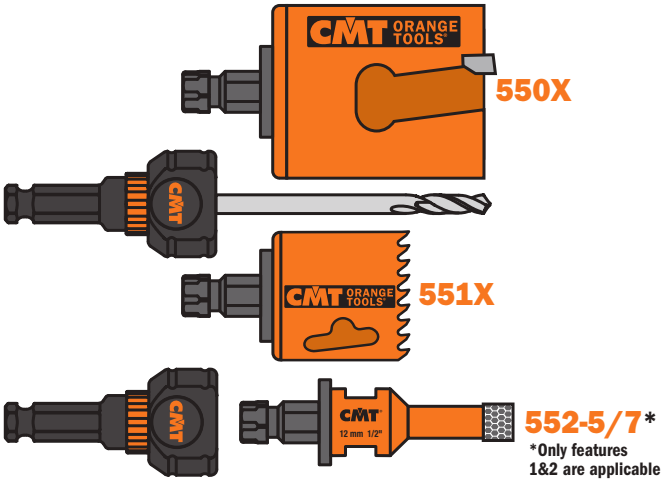




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Multi-Materials Carbide Wheel	396
Multi-Materials Diamond Dry Wheel	396

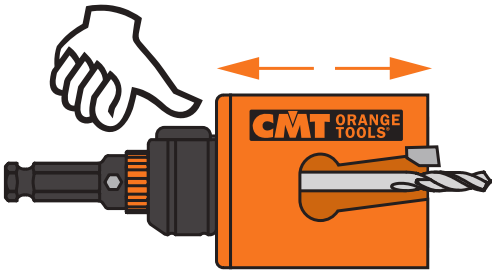
CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

1. One PUSH&LOCK arbor for all Hole Saw Series & Diameters



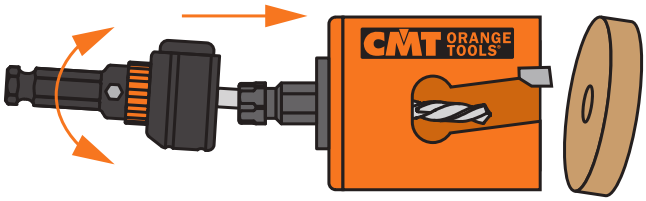


2. Change your Hole Saw with a simple PUSH&LOCK





3. Release Plug with a push





3. Release Plug with a push





Toolcase for XTREME FAST Hole Saws



XTREME FAST

PUSH & LOCK



The toolcase is provided empty, image is purely indicative.
A toolcase can contain 1 PUSH&LOCK arbor, 1 Pilot Drill and relative number of XTREME FAST Hole Saws.
The number of Hole Saws to be contained is dependent on diameter.



UP TO 11 HOLE SAWS

UP TO 24 HOLE SAWS

UP TO 63 HOLE SAWS

DESCRIPTION	ORDER NO.
Toolcase SMALL - Up to 11 Hole Saws	03.01.0531
Toolcase MEDIUM - Up to 24 Hole Saws	03.01.0532
Toolcase LARGE - Up to 63 Hole Saws	03.01.0533

FOR FREE!

Toolcase SMALL (empty) is yours free when you purchase any 10PCS of the XTREME FAST series.

Toolcase MEDIUM (empty) is yours free when you purchase any 20PCS of the XTREME FAST series.

Toolcase LARGE (empty) is yours free when you purchase any 40PCS of the XTREME FAST series.

Extension for PUSH&LOCK arbors

new

55EX

Extension for **PUSH&LOCK** arbors **550-PH85** & **550-PH11**.



PUSH & LOCK

S=B mm	S=B inches	L mm	L inches	ORDER NO.
HEX8.5	HEX11/32	150	6	55EX-8506
HEX8.5	HEX11/32	300	12	55EX-8512
HEX8.5	HEX11/32	450	18	55EX-8518
HEX11	HEX7/16	150	6	55EX-1106
HEX11	HEX7/16	300	12	55EX-1112
HEX11	HEX7/16	450	18	55EX-1118

HEXAGONAL SHANK — HEX8.5 11/32" — QUICK CONNECT

HEXAGONAL SHANK — HEX11 7/16" — QUICK CONNECT

One PUSH&LOCK arbor for all Hole Saw Series & Diameters

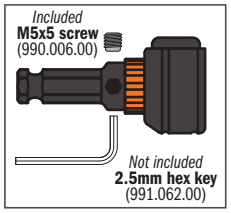
550-PH85

PUSH&LOCK arbor for **XTREME FAST** system, shank **HEX8.5**mm (11/32”).
Compatible with chucks ≤10mm (25/64”).
HSS pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

HEXAGONAL SHANK HEX8.5 11/32” QUICK CONNECT





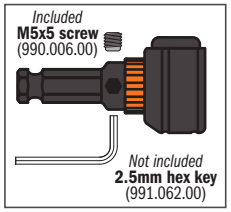
550-PH11

PUSH&LOCK arbor for **XTREME FAST** system, shank **HEX11**mm (7/16”).
Compatible with chucks ≤13mm (1/2”). **HEAVY DUTY.**
HSS pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

HEXAGONAL SHANK HEX11 7/16” QUICK CONNECT





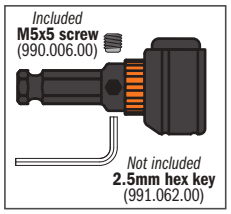
550-PHSD

PUSH&LOCK arbor for **XTREME FAST** system, shank **SDS PLUS**.
Compatible with SDS PLUS power tools.
HSS pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

SDS PLUS SHANK SDS PLUS





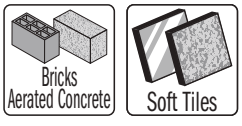
550-PD01

HW Pilot drill for **PUSH&LOCK** arbor, Ø7mm (17/64”), L=125mm (4-15/16”).

Suitable for Series: 550X



MATERIALS



550-PD02

HSS Pilot drill for **PUSH&LOCK** arbor, Ø6.35mm (1/4”), L=125mm (4-15/16”).

Suitable for Series: 550X 551X



MATERIALS



PACK QTY. 10 pcs.

CMT ORANGE TOOLS®

XTREME FAST system is compatible with all Hole Saw Series & Diameters

XTREME FAST

550-PA01 (3 pcs.)

XTREME FAST Adaptor 1/2"-20 for hole saw Ø16~30mm (5/8"~1-3/16")



1/2"-20 SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø16~30mm (5/8"~1-3/16")



550-PA02 (3 pcs.)

XTREME FAST Adaptor 5/8"-18 for hole saw Ø32~150mm (1-1/4"~5-29/32")



5/8"-18 SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø32~150mm (1-1/4"~5-29/32")



550-PA03 (3 pcs.)

XTREME FAST Adaptor 5/8"-18 for hole saw ≥Ø152mm (6")



5/8"-18 SPINDLE & SCREWS

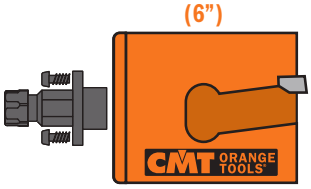
13mm

3 PCS

Suitable for Series:

550X 551X

≥Ø152mm (6")



550-PA04 (3 pcs.)

XTREME FAST Adaptor M14 for hole saw series 552-5



M14 SPINDLE

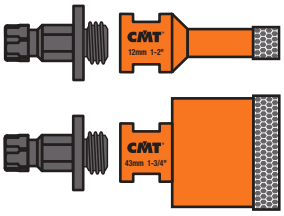
13mm

3 PCS

Suitable for Series:

552-5*

*Pilot drill of PUSH&LOCK arbor must be disassembled during use with this series



550-PA05 KIT FOR ENLARGMENT EXISTING HOLE (3 pcs. LONG SPINDLE)



1 PC

13mm

1/2"-20 LONG SPINDLE



1 PC

13mm

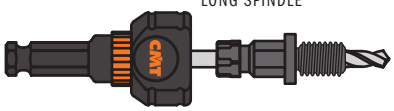
5/8"-18 LONG SPINDLE



1 PC

13mm

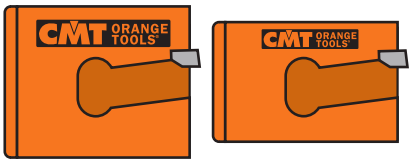
5/8"+ 1/2" LONG SPINDLE



Suitable for Series:

550X 551X

Example of assembly for existing hole enlargment



550-PA06 STARTER KIT (1 pc. 550-PH85, 2 pcs. 550-PA01, 3 pcs. 550-PA02)

HEXAGONAL SHANK HEX8.5 11/32" QUICK CONNECT



PUSH & LOCK

1 PC 550-PH85

HSS

550-PA01 2 PCS

13mm



1/2"-20 SPINDLE

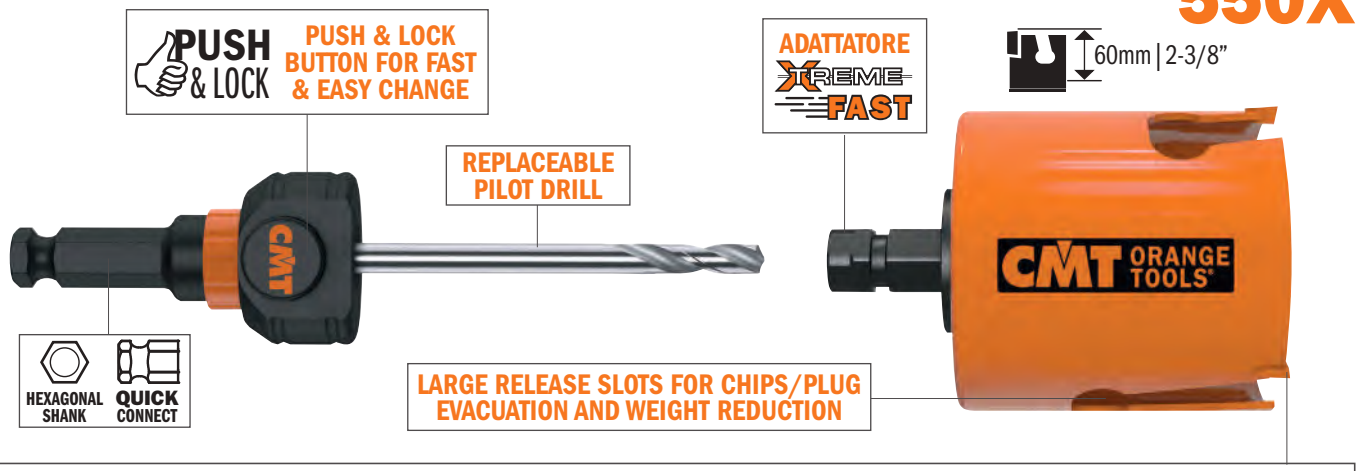
550-PA02 3 PCS

13mm



5/8"-18 SPINDLE

550X



SECURED TOOTH TECHNOLOGY
Thanks to advanced technology, cutting teeth are securely anchored to body, which means they stand up better to hard materials and breakage.

FASTER 5X

10X LONGER LIFE

CONSTRUCTION CARBIDE
Specially formulated construction carbide, used for cutting teeth provide 10X times longer cutting life and performs 5X faster then the standard hole saw.

HW

MATERIALS


WOOD


PLYWOOD


MDF


LAMINATES


PLASTERBOARD


PLASTICS


BRICKS


AERATED CONCRETE


SOFT TILES

SPEED KILLS!
Operating at higher speeds than those indicated will shorten hole saw life and produce pour quality holes.

PRE-BORE:
For best results, always pre-bore with the pilot drill only.

NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!

NEVER USE HAMMER MECHANISM

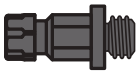
APPLICATIONS: examples on wood, brick, plastic.







CMT ORANGE TOOLS®



ALL HOLE SAWS 550X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR XTREME FAST

D mm	D inches	Z	WOOD/PLYWOOD RPM*	MDF/LAMINATES RPM*	PLASTERBOARD RPM*	PLASTICS RPM*	BRICK/AERATED CONCRETE RPM*	SOFT TILES RPM*		ORDER NO.
19	3/4	1	2300	2300	2300	2100	900	700	10	550-019X
20	25/32	1	2200	2200	2200	2000	900	600	10	550-020X
22	7/8	1	2000	2000	2000	1800	800	600	10	550-022X
25	1	1	1800	1800	1800	1600	700	500	10	550-025X
29	1-1/8	1	1500	1500	1500	1400	600	400	10	550-029X
30	1-3/16	1	1500	1500	1500	1300	600	400	10	550-030X
32	1-1/4	1	1400	1400	1400	1200	500	400	10	550-032X
35	1-3/8	1	1300	1300	1300	1100	500	300	10	550-035X
38	1-1/2	2	1100	1100	1100	1000	400	300	10	550-038X
40	1-9/16	2	1100	1100	1100	1000	400	300	10	550-040X
44	1-3/4	2	1000	1000	1000	900	400	300	10	550-044X
48	1-7/8	2	900	900	900	800	300	200	10	550-048X
51	2	3	800	800	800	800	300	200	10	550-051X
52	2-1/16	3	800	800	800	700	300	200	10	550-052X
54	2-1/8	3	800	800	800	700	300	200	10	550-054X
56	2-3/16	3	800	800	800	700	300	200	10	550-056X
57	2-1/4	3	700	700	700	700	300	200	10	550-057X
60	2-3/8	3	700	700	700	600	300	200	10	550-060X
64	2-1/2	3	700	700	700	600	200	200	10	550-064X
65	2-9/16	3	700	700	700	600	200	200	10	550-065X
68	2-11/16	3	600	600	600	600	200	100	10	550-068X
70	2-3/4	3	600	600	600	500	200	100	10	550-070X
73	2-7/8	3	600	600	600	500	200	100	10	550-073X
76	3	4	500	500	500	500	200	100	10	550-076X
79	3-1/8	4	500	500	500	500	200	100	10	550-079X
80	3-5/32	4	500	500	500	500	200	100	10	550-080X
82	3-15/64	4	500	500	500	500	200	100	10	550-082X
83	3-1/4	4	500	500	500	400	200	100	10	550-083X
89	3-1/2	4	500	500	500	400	200	100	10	550-089X
92	3-5/8	4	400	400	400	400	200	100	10	550-092X
102	4	5	400	400	400	400	100	100	5	550-102X
105	4-1/8	5	400	400	400	300	100	100	5	550-105X
108	4-1/4	5	400	400	400	300	100	100	5	550-108X
111	4-3/8	5	400	400	400	300	100	100	5	550-111X
114	4-1/2	5	300	300	300	300	100	100	5	550-114X
118	4-5/8	6	300	300	300	300	100	100	2	550-118X
127	5	6	300	300	300	300	100	100	2	550-127X
133	5-1/4	6	300	300	300	300	100	100	2	550-133X
152	6	6	200	200	200	200	100	50	2	550-152X
160	6-5/16	7	200	200	200	200	100	50	1	550-160X
168	6-5/8	7	200	200	200	200	100	50	1	550-168X
185	7-5/16	8	200	200	200	200	100	50	1	550-185X
210	8-1/4	8	200	200	200	100	50	50	1	550-210X

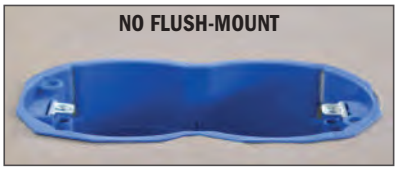
*SUGGESTED RPM



COUNTERSINK

550CSX











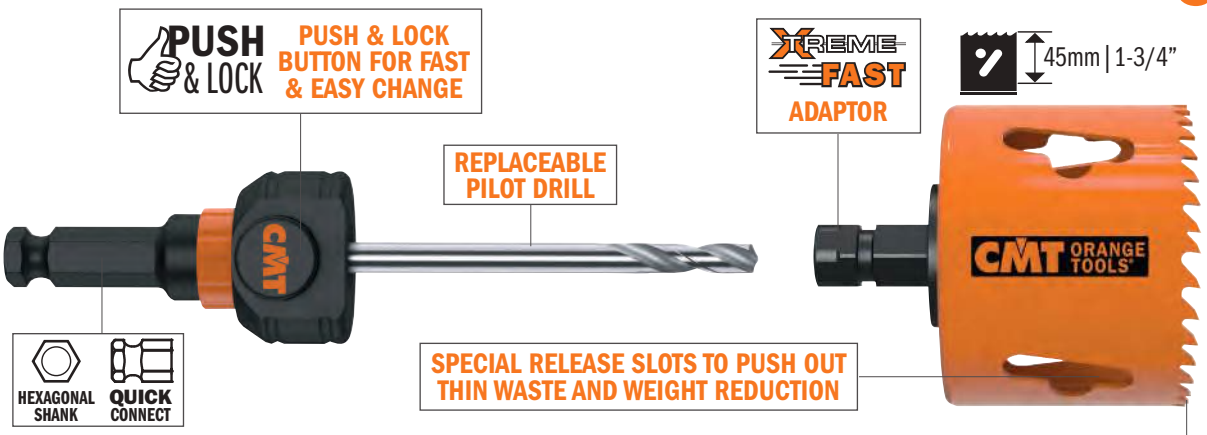
Example of commercial electric flush-mount boxes.

APPLICATIONS
electric flush-mount case installation.

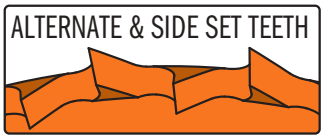
D mm	D inches	Z	WOOD/PLYWOOD RPM*	MDF/LAMINATES RPM*	PLASTERBOARD RPM*	PLASTICS RPM*	BRICK/AERATED CONCRETE RPM*	SOFT TILES RPM*		ORDER NO.
68 - 73	2-11/16 - 2-7/8	3+3	600	600	600	600	200	100	10	550-068CSX

CMT ORANGE TOOLS®

551X



TOOTH DESIGN
Special tooth geometry with variable pitch (4~6 TPI) provides a smoother cut and better chip clearance preventing clogging and heat build-up.
Teeth are alternate & side set to minimize binding and friction therefore requiring less feed pressure.



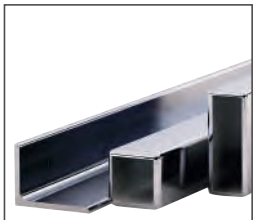
BI-METAL 8% COBALT
Teeth made with Bi-metal 8% Cobalt provide extreme results. Superior performance and 2X longer cutting life then the standard hole saw.

BIM 8% Co — 2X LONGER LIFE

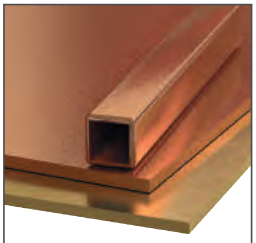
MATERIALS

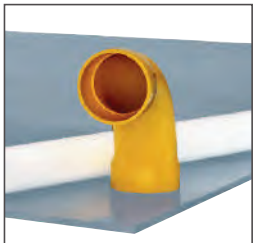

STAINLESS STEEL


CAST IRON


STEEL


ALUMINIUM


COPPER/BRASS


PLASTICS

COOLING LUBRICANT:

When drilling metals, lubrication serves several purposes:
- it cools the saw and workpiece
- it reduces heat and abrasion which shortens cutting life
- it helps remove swarf from the cutting surface
- it extends hole saw life by 500%.

SPEED KILLS!

Operating at higher speeds than those indicated will shorten hole saw life and produce pour quality holes.

FEED PRESSURE:

Always consider materials in use and project type. Apply sufficient feed pressure to aid proper chip removal. Reduce the pressure when hole saw becomes hot or if teeth start to clog. Insufficient feed pressure will lead to premature tooth dulling. Too much pressure will damage teeth.

PRE-BORE:

For best results, always pre-bore with the pilot drill only.

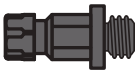
NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!

NEVER USE HAMMER MECHANISM

APPLICATIONS: examples on steel, sandwich material.







ALL HOLE SAWS 551X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR

D mm	D inches	STAINLESS STEEL RPM*	CAST IRON RPM*	STEEL RPM*	ALUMINIUM RPM*	COPPER/BRASS RPM*	PLASTICS RPM*		ORDER NO.
16	5/8	160	240	320	500	500	500	10	**551-016X**
19	3/4	140	200	280	420	420	420	10	**551-019X**
20	25/32	120	200	260	400	400	400	10	**551-020X**
22	7/8	120	180	240	360	360	360	10	**551-022X**
25	1	100	160	200	320	320	320	10	**551-025X**
27	1-1/16	80	140	180	300	300	300	10	**551-027X**
29	1-1/8	80	140	180	280	280	280	10	**551-029X**
30	1-3/16	80	120	160	260	260	260	10	**551-030X**
32	1-1/4	80	120	160	240	240	240	10	**551-032X**
35	1-3/8	60	100	140	220	220	220	10	**551-035X**
38	1-1/2	60	100	140	200	200	200	10	**551-038X**
40	1-9/16	60	100	120	200	200	200	10	**551-040X**
43	1-11/16	60	80	120	180	180	180	10	**551-043X**
44	1-3/4	60	80	120	180	180	180	10	**551-044X**
48	1-7/8	40	80	100	160	160	160	10	**551-048X**
51	2	40	80	100	160	160	160	10	**551-051X**
52	2-1/16	40	60	100	140	140	140	10	**551-052X**
54	2-1/8	40	60	80	140	140	140	10	**551-054X**
57	2-1/4	40	60	80	140	140	140	10	**551-057X**
60	2-3/8	40	60	80	120	120	120	10	**551-060X**
64	2-1/2	40	60	80	120	120	120	10	**551-064X**
65	2-9/16	40	60	80	120	120	120	10	**551-065X**
68	2-11/16	20	60	60	120	120	120	10	**551-068X**
70	2-3/4	20	40	60	100	100	100	10	**551-070X**
73	2-7/8	20	40	60	100	100	100	10	**551-073X**
76	3	20	40	60	100	100	100	10	**551-076X**
79	3-1/8	20	40	60	100	100	100	10	**551-079X**
83	3-1/4	20	40	60	80	80	80	10	**551-083X**
86	3-3/8	20	40	60	80	80	80	10	**551-086X**
89	3-1/2	20	40	60	80	80	80	10	**551-089X**
92	3-5/8	20	40	40	80	80	80	10	**551-092X**
102	4	20	40	40	80	80	80	5	**551-102X**
105	4-1/8	20	20	40	60	60	60	5	**551-105X**
108	4-1/4	20	20	40	60	60	60	5	**551-108X**
114	4-1/2	20	20	40	60	60	60	5	**551-114X**
127	5	20	20	40	60	60	60	2	**551-127X**
133	5-1/4	20	20	40	60	60	60	2	**551-133X**
140	5-1/2	10	20	20	40	40	40	2	**551-140X**
152	6	10	20	20	40	40	40	2	**551-152X**
168	6-5/8	10	20	20	40	40	40	1	**551-168X**

***SUGGESTED RPM**

CMT ORANGE TOOLS®

552

Diamond dry hole saws with continuous edge have been specially developed for professionals that need to drill in extremely tough materials like **HARD TILES (ceramic, gres, etc.), HARD STONES (granite, marble, etc.), ARTIFICAL STONES (OKITE®, SILESTONE®, etc.)**, in which it is increasingly difficult to drill with conventional hole saws. Drilling other masonry materials is also possible, but it will reduce tool life. These hole saws guarantee excellent performance and superior lifetime!

MATERIALS


HARD TILES


HARD STONES


ARTIFICIAL STONES

GRIT

DIAMOND GRIT
Diamond grit featuring strong cubo-octahedral inclusion-free heat-resistant crystals, guarantes fast clean cutting and longer cutting life then the standard hole saw.

LONG LIFE

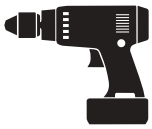
AVAILABLE WITH SHANK

HEXAGONAL SHANK

M14 SPINDLE



HEXAGONAL SHANK



RPM 2200 ~ 4000*



Filled with cooling wax **552-WAX**

552-0 FOR DRILL

D mm	D inches	I mm	L mm	HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES	S		ORDER NO.
5	3/16	30	68	RPM 2200 ~ 4000 *	HEX	10	552-005
6	1/4	30	68	RPM 2200 ~ 4000 *	HEX	10	552-006
8	5/16	40	80	RPM 2200 ~ 4000 *	HEX	10	552-008
10	3/8	40	80	RPM 2200 ~ 4000 *	HEX	10	552-010
12	1/2	40	80	RPM 2200 ~ 4000 *	HEX	10	552-012
14	9/16	40	80	RPM 2200 ~ 4000 *	HEX	10	552-014
16	5/8	40	80	RPM 2200 ~ 4000 *	HEX	10	552-016

***We recommend the use of a high speed drill (minimum 14V)**





552-001-05

5 PIECE HOLE SAW SET

- **552-005** Ø5mm
- **552-006** Ø6mm
- **552-008** Ø8mm
- **552-010** Ø10mm
- **552-012** Ø12mm

PACK QTY. 10 PCS.



552-WAX

COOLING & LUBRICATING WAX

While drilling, the wax will melt away (eliminated along with drilling waste). This facilitates cooling and lubrication. Replenish wax after every use (when still warm) to extend lifetime.

Jar 30ml. (1 fl.oz)

PACK QTY. 10 PCS.

COOLANT LUBRICANT | EXTEND LIFETIME

new



Bottle 250gr. (8.82 oz)

PACK QTY. 25 PCS.

552-GEL DIAMOND GEL

COOLANT LUBRICANT | EXTEND LIFETIME | CAPTURES DUST

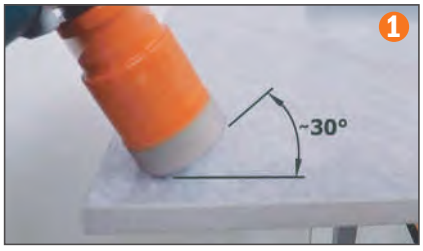
Apply the gel to the desired spot and begin drilling. It does not drip, making it suitable for use on vertical surfaces.

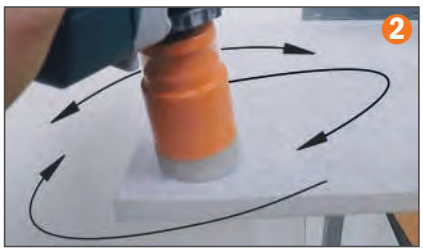


The gel reduces the working temperature, significantly extending diamond hole saw life. It also captures the dust generated during drilling, allowing for easy removal and keeping the work area clean.

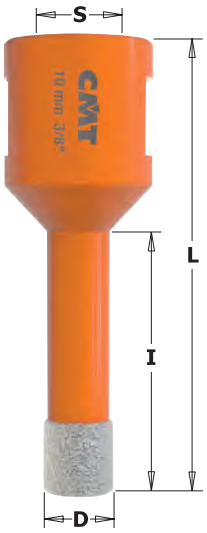








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M14 SPINDLE

MAX RPM 14000

19mm 3/4”

Filled with cooling wax **552-WAX** (until Ø16mm)

≥ Ø18mm without cooling wax

552-5 FOR ANGLE GRINDER

	D mm	D inches	I mm	L mm	HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES	S		ORDER NO.
	5	3/16	35	60	MAX RPM 14000	M14	10	552-505
	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
	14	9/16	35	60	MAX RPM 14000	M14	10	552-514
	16	5/8	35	60	MAX RPM 14000	M14	5	552-516
	18	45/64	35	60	MAX RPM 14000	M14	5	552-518
	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
new	30	1-3/16	40	60	MAX RPM 14000	M14	5	552-530
	35	1-3/8	40	60	MAX RPM 14000	M14	5	552-535
new	40	1-9/16	40	60	MAX RPM 14000	M14	5	552-540
	43	1-3/4	40	60	MAX RPM 14000	M14	5	552-543
	51	2	40	60	MAX RPM 14000	M14	5	552-551
	55	2-3/16	40	60	MAX RPM 14000	M14	5	552-555
new	60	2-3/8	40	60	MAX RPM 14000	M14	5	552-560
	68	2-11/16	40	60	MAX RPM 14000	M14	5	552-568



Watch the video on YouTube



552-501-06
6 PIECE HOLE SAW SET

- **552-506** Ø6mm
- **552-508** Ø8mm
- **552-510** Ø10mm
- **552-512** Ø12mm
- **552-GUIDE**
- **552-EX14**

PACK QTY. 10 PCS.



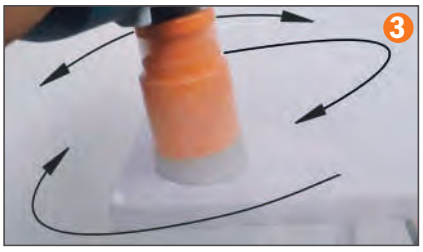
552-GUIDE
Drill Guide with Suction Cups - 7 holes
Ø4 - 5 - 6 - 7 - 8 - 10 - 12mm
Ø5/32” - 3/16” - 1/4” - 9/32” - 5/16” - 3/8” - 1/2”
PACK QTY. 10 PCS.

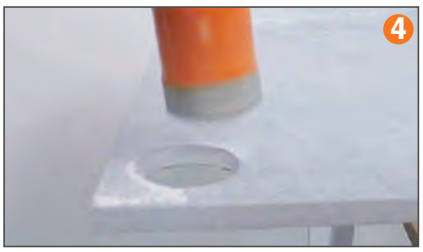
550-PA04
XTREME FAST Adaptor M14 (series **552-5**) for **PUSH&LOCK** System *(see page 387)*



552-EX14
Hexagonal adaptor M14 (series **552-5**) for drills







552 RECOMMENDATIONS FOR USE:

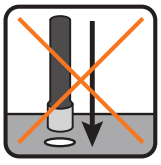
Turn on drill to start tool rotation. Begin drilling at a 30° angle – this is the angle measured between the hole saw and the working surface. Cutting at an angle will prevent tool from slipping and facilitate precision centering. To improve stability during operation, use the working surface as leverage by resting the drill against it. Continue the cut vertically, accompanying the tool in an orbital motion. This will favor better cooling and chip evacuation. (If you are using a guide, begin the cut vertically, then lift the guide and continue cutting in an orbital motion).
Remember, the hole saw is not a drill bit. Attempting to bore holes perpendicular to the work surface on a frequent basis will drastically reduce tool lifespan. Using water as a cooling agent may help extend the life of the hole saw.

RPM SUGGESTED? High RPM values reduce the possibility of damaging/burning the diamond edge, ensuring a longer life.

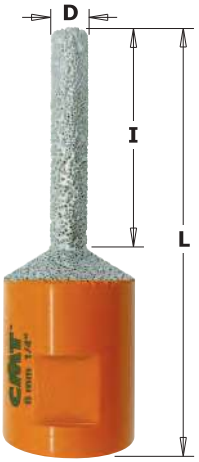
NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!











552-506M



552-520M



M14
SPINDLE



MAX RPM
14000



19mm
3/4”

552-M FOR ANGLE GRINDER

D mm	D inches	I mm	L mm	S		ORDER NO.
6	1/4	35	65	M14	5	552-506M
20	13/16	50	65	M14	5	552-520M

APPLICATIONS:
for Milling, Enlarging, Shaping,
Countersinking on Existing Holes.

TIPS:
it can also be used to create lateral semicircular recesses
(for cables, pipes, etc.)



DO NOT USE
FOR DRILLING

MATERIALS



HARD TILES



HARD STONES



ARTIFICIAL STONES

550-PA04

XTREME FAST Adaptor M14
(series 552-5) for
PUSH&LOCK System *(see page 387)*

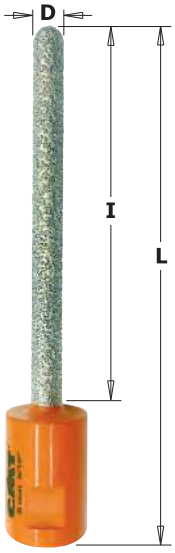


552-EX14

Hexagonal adaptor M14
(series 552-5) for drills



Diamond Dry Special Bits





M14
SPINDLE



MAX RPM
14000



19mm
3/4”

552-508M FOR ANGLE GRINDER

D mm	D inches	I mm	L mm	S		ORDER NO.
8	5/16	100	130	M14	5	552-508M

APPLICATIONS:
for Raking out Mortar Joint and for Milling,
Enlarging and Shaping Existing Holes.

TIPS:
suitable for raking out mortar joints and removing bricks.



DO NOT USE
FOR DRILLING

MATERIALS



HARD TILES



HARD STONES



ARTIFICIAL STONES

550-PA04

XTREME FAST Adaptor M14
(series 552-5) for
PUSH&LOCK System *(see page 387)*

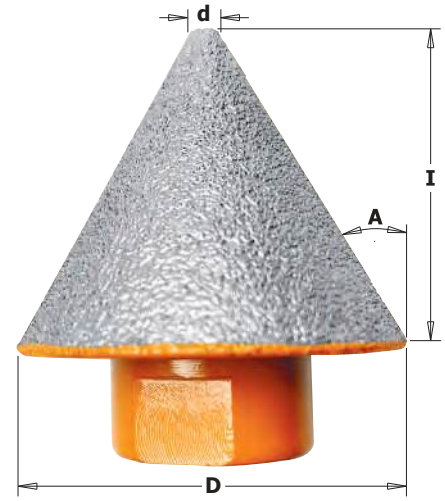


552-EX14

Hexagonal adaptor M14
(series 552-5) for drills



Diamond Dry Special Bits





M14
SPINDLE



MAX RPM
14000

19mm
3/4”

552-CS FOR ANGLE GRINDER

d mm	d inches	D mm	D inches	l mm	A	S		ORDER NO.
5	3/16	35	1-3/8	30	65°	M14	5	552-535CS
30	1-3/16	70	2-3/4	50	45°	M14	5	552-570CS

APPLICATIONS:
for Countersinking on Existing Holes.



DO NOT USE
FOR DRILLING

MATERIALS


HARD TILES


HARD STONES


ARTIFICIAL STONES

550-PA04

XTREME FAST Adaptor M14
(series 552-5) for
PUSH&LOCK System *(see page 387)*



552-EX14

Hexagonal adaptor M14
(series 552-5) for drills



Diamond Dry Wheels

552-115 FOR ANGLE GRINDER CURVED

D mm	D inches	B mm	B inches	GRANA		ORDER NO.
115	4-1/2	22.2	7/8	medium-fine	5	552-115-01
115	4-1/2	22.2	7/8	coarse	5	552-115-02

APPLICATIONS:
for Smoothing, Trimming, Chamfering.





MAX RPM
14000

MATERIALS


HARD TILES


HARD STONES


ARTIFICIAL STONES

552-115 FOR ANGLE GRINDER FLAT

D mm	D inches	S	GRANA		ORDER NO.
115	4-1/2	M14	medium-fine	5	552-115-03
115	4-1/2	M14	coarse	5	552-115-04

APPLICATIONS:
for Smoothing, Trimming, Chamfering.



M14
SPINDLE

19mm
3/4”

Multi-Materials CARBIDE Wheel



ALWAYS
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

286 FOR ANGLE GRINDER

CARBIDE GRIT

MULTI-MATERIALS

D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	**286.115.01**
125	22.23 (+20+15.88)	10	**286.125.01**
230	22.23	5	**286.230.01**

APPLICATIONS: examples of cutting on wood, wood & nails and plastics.





MACHINES


ANGLE GRINDER

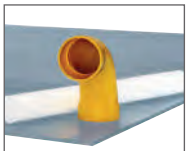

MINI CORDLESS CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


WOOD


WOOD/WOOD & NAILS


PLASTICS


PLASTERBOARD

Multi-Materials DIAMOND Dry Wheel



ALWAYS
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

286.61 FOR ANGLE GRINDER

GRIT

MULTI-MATERIALS

D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	**286.115.61**
125	22.23 (+20+15.88)	10	**286.125.61**

APPLICATIONS: examples of cutting on bricks, hard stone and artificial stone.





MACHINES

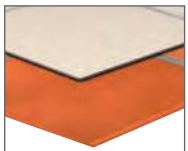

ANGLE GRINDER


MINI CORDLESS CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


BRICKS & AERATED CONCRETE


HARD & SOFT TILE


HARD STONE


ARTIFICIAL STONE


PLASTICS


METAL & STEEL







POWER TOOLS, JIGS & ACCESSORIES

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CMT7E

ELECTRONIC SPEED CONTROL
Variable from 8.000 - 21.000 RPM.

POWER
2400W.

PLUG TYPE: F
Power cord length: 3m.

BRUSH REPLACEMENT
Change worn brushes quickly and easily.
Spare part: CMT7E-028



NO VOLTAGE RELEASE (NVR) SAFETY SYSTEM
Prevents the motor from automatically restarting after a power interruption.

ON/OFF POWER SWITCH
Retracting cover to prevent accidental power on.



MICRO WINDER
Turn to adjust the cutting depth micrometrically.

REMOVABLE PLUNGE SPRING
It must be removed when table mounting.



SAFETY GUARDS
Provides maximum protection around cutting zone.

PLUNGE SELECTION BUTTON
To switch from winder handle to free plunge mode.

TURRET STOPS
3 preset cut dephs with mm scale.

WINDER HANDLE
Turn to adjust the cutting depth.

PLUNGE LOCK LEVER
To fasten the plunge at the desired position.

BASEPLATE MOUNTING KNOB
For fast setup and removal from extended baseplate.

Included



EXTENDED BASEPLATE & FENCE
Provides excellent control for free plunge use and circle cutting.

TECHNICAL DETAILS:

- Power 2400W
- Input 220/240V (50/60Hz)
- No load speed ..... 8.000-21.000 RPM
- Plunge range 0-68mm
- Base plate hole Ø79mm
- Collet diameter range ..... Ø6~12.7mm
- Power cord length 3m
- Tool weight ..... 6.5 Kg

Check out **CMT7E** on YouTube



DUAL MODE

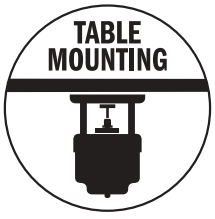
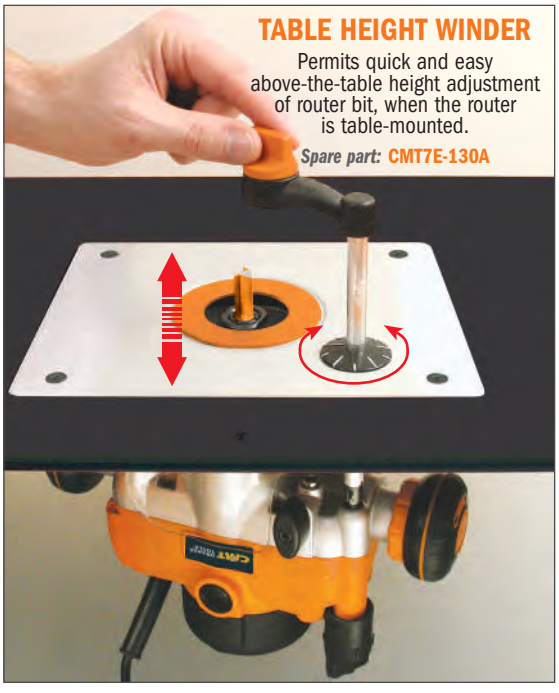


TABLE HEIGHT WINDER
Permits quick and easy above-the-table height adjustment of router bit, when the router is table-mounted.
Spare part: CMT7E-130A



Standard Equipment

- CMT7E Precision Router 2400W
- Extended Baseplate & Fence
- Table Height Winder (*Spare part:* CMT7E-130A)
- Collet Spanner (*Spare part:* CMT7E-119)
- Ø8 & Ø12mm Collets
- 4 Screws (1/4 UNC) (*Spare part:* 990.467.00)
- NVR Bypass Key
- 1 Year Warranty
- Instructions manual (10 languages)

Optional

Clamping nuts and collets for 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



DESCRIPTION	ORDER NO.
2400W Precision Router	CMT7E

new

CMT ORANGE TOOLS

CMT12

POWER 710W. new

ELECTRONIC SPEED CONTROL new
Variable from 10.000 - 30.000 RPM.

ANTI-RESTART FUNCTION new
Prevents the motor from automatically restarting after a power interruption.

FINE DEPTH ADJUSTMENT & QUICK-CLAMP SYSTEM OF BASE

ALUMINIUM BODY & EMBOSSED SCALE new



QUICK BRUSH REPLACEMENT
Change worn brushes quickly and easily.
Spare part: CMT12-21

ERGONOMIC HANDLE

FAST TOOL REPLACEMENT

PLUG TYPE: F
Power cord length: 3m.



TECHNICAL DETAILS:

- Power..... 710 Watt
- Input..... 220/240V (50/60Hz)
- No load speed ..... 10.000 - 30.000 RPM
- Plunge range..... 0-40mm
- Base plate hole Ø29mm
- Collet diameter range..... Ø6-6.35 - 8mm
- Power cord length 3m
- Tool weight..... 1.9 Kg

CMT-TGA is compatible with the **CMT12** bases and does not require an optional base plate.

Standard Equipment

- CMT12 Trimmer 710W
- Straight guide
- Trimmer guide
- Dust nozzle
- 2 wrenches for easy cutter replacement (13 and 22mm)
- Ø6mm, Ø6.35mm and Ø8mm collet
- Additional pair of brushes
- 1 year warranty
- Instruction manual (8 languages)


STRAIGHT GUIDE


DUST NOZZLE

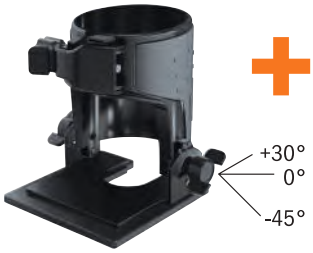

TRIMMER GUIDE


TEMPLATE GUIDE Ø8/10-9.5mm

CMT12-K1


CMT12
710W TRIMMER

+



CMT12-A1
ROUTER TILT BASE

+


CMT12-A2
PLUNGE BASE SET + GUIDE SUPPORT


BAG-001
GIFT WITH PURCHASE

DESCRIPTION		ORDER NO.
710W Trimmer	10	**CMT12**
710W Trimmer Kit	1	**CMT12-K1**

Spare parts


CMT12-060 Collet Ø6mm
CMT12-064 Collet Ø6.35mm
CMT12-080 Collet Ø8mm


CMT12-21
Pair of brushes

Optional



CMT12-A1
Router tilt base


CMT12-A2
Plunge base set + guide support

999.110.00

2024 VERSION

CMT7E+PRO

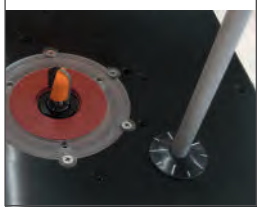
Adjustable inserts that allow easy sliding of the workpiece ensuring safe operation.

999.110.33
CMT7E Prebored Plate & 2 Aluminum Reduction Rings Ø32-66mm (Dimensions: 306x229x8mm).

999.110.10
Mitre Gauge.

Solid laminate work surface 80x60x2.5cm, with an aluminum track for accessories.

Prebored plate features an adjustment port to insert a micro-winder (included with the **CMT7E**), allowing quick and easy router height adjustments from above the table.



999.110.08
Standing Spring Press.

999.110.06
Safer Operation with Adjustable Fence Guard.

Dust Port Ø63mm.

new
Faster Central Sliding/ Adjustment System.

Graduated Scale mm/inches.

999.110.09
Mouled Featherboard.

999.100.11
Electric Safety Switch.

Solid Steel Frame.

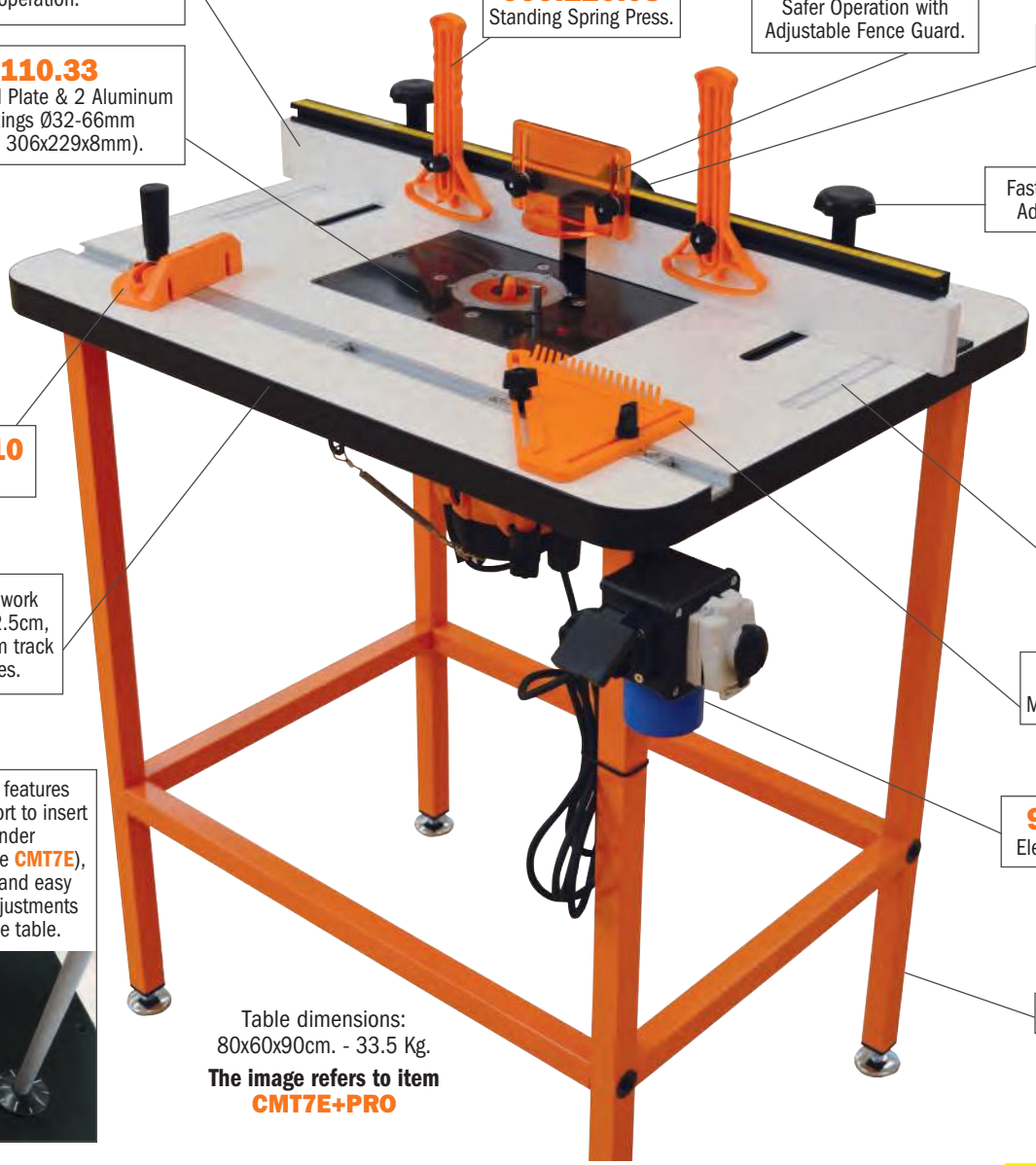


Table dimensions:
80x60x90cm. - 33.5 Kg.

The image refers to item
CMT7E+PRO

999.110.00 includes:

- **Laminate work surface**
- **Fence**
- **Solid Steel Frame**
- **999.110.33** **Prebored Plate for CMT7E with 2 Reduction Rings**
- **999.110.06** **Safety Shield**
- **999.110.08** **2 Standing Spring Presses**
- **999.110.09** **Moulded Featherboard**
- **999.110.10** **Mitre Gauge**

CMT7E+PRO includes:

CE Compliant

- CE **Compliant**
- **999.110.00** **PROFESSIONAL Router Table System**
- **CMT7E** **Precision Router 2.4KW**
- **999.100.11** **Electrical Safety Switch**
- **999.110.41** **Push Stick**



- **999.501.32** **Y-Fitting Suction Tube Ø63/Ø63/Ø38mm**
  (suction hose not included)



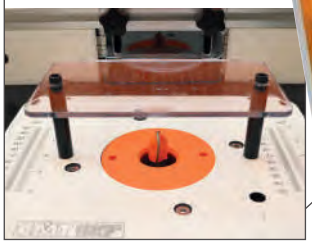
DESCRIPTION	ORDER NO.
PROFESSIONAL Router Table System (with Prebored Plate for CMT7E)	**999.110.00**
Precision Router 2.4KW + PROFESSIONAL Router Table System *(CE Compliant)*	**CMT7E+PRO**
Spare parts/Optional:	
CMT7E **Prebored** Plate & 2 Reduction Rings Ø32-66mm (Dimensions: 306x229x8mm)	**999.110.33**
Universal Plate (**unbored** for non-CMT routers) with 2 reduction rings Ø32-66mm (Dimensions: 306x229x8mm)	**999.110.03**
4 screws to mount CMT7E on PROFESSIONAL Routing Table	**990.467.00**
Electrical Safety Switch	**999.100.11**

999.500.01 — 2024 VERSION — CMT7E+IND

Adjustable inserts that allow easy sliding of the workpiece ensuring safe operation.

999.110.10 Mitre Gauge.

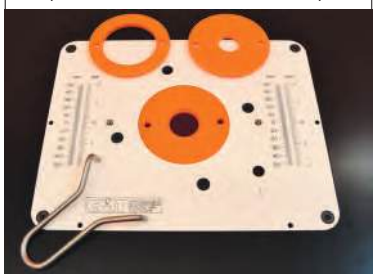
Safer operation with the Fixed and Adjustable Fence Guards.

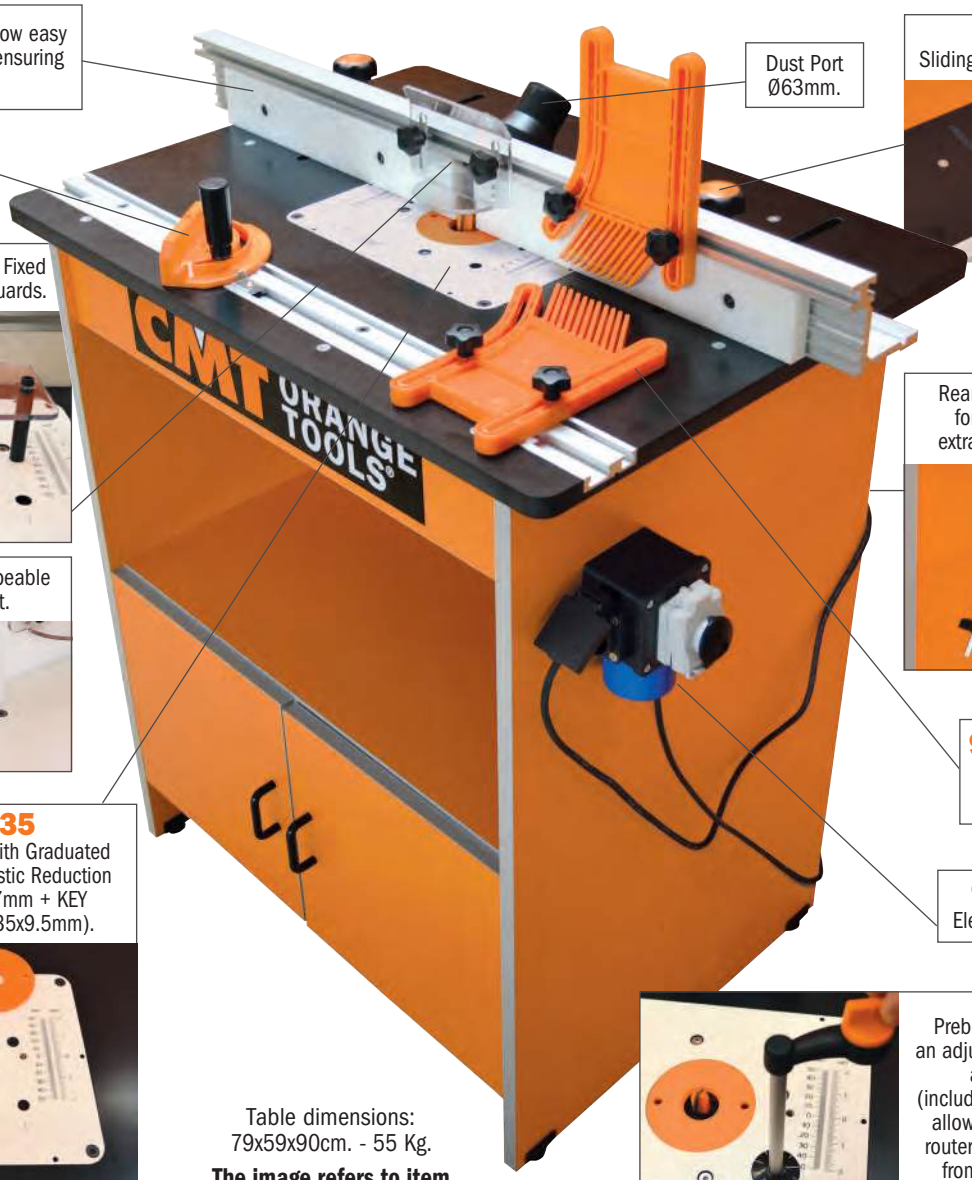


Centrally positioned shapeable zero-clearance insert.



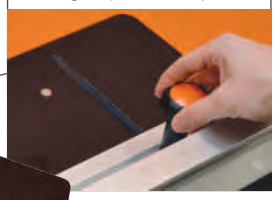
new **999.501.35**
CMT7E Prebored Plate with Graduated Scales mm/inch and Plastic Reduction Rings Ø25.4/31.7/67mm + KEY (Dimensions: 298.5x235x9.5mm).





Dust Port Ø63mm.

new Faster Central Sliding/Adjustment System.



new Rear pass-through hole for cables and dust extraction suction tube.



999.501.07 Moulded Featherboard.

999.100.11 Electrical Safety Switch.

Prebored plate features an adjustment port to insert a micro-winder (included with the **CMT7E**), allowing quick and easy router height adjustments from above the table.

Table dimensions: 79x59x90cm. - 55 Kg.

The image refers to item CMT7E+IND

999.500.01 includes:

- **999.501.31 Black Phenolic Worktop 20mm**
The black surface (to reduce reflections), with an aluminum guide for accessories, is far more resistant to warping compared to regular laminated tops. Weight: 14.5 Kg.
Includes: 999.501.35
- **999.501.30 Aluminum Fence**
To be used as a traditional fixed or inclined fence, with a faster central sliding/adjustment system. Weight: 9.5 Kg.
- **999.501.03 Orange-colored Melamine Cabinet**
Sturdy 20mm melamine structure, easy to assemble. Weight: 33 Kg.
- **999.501.07 1st Moulded Featherboard**
- **999.110.10 Mitre Gauge**

CMT7E+IND includes:

CE Compliant

- CE **Compliant**
- **999.500.01 INDUSTRIO Routing System**
- **CMT7E Precision Router 2.4KW**
- **999.100.11 Electrical Safety Switch**
- **999.501.07 2nd Moulded Featherboard**
- **999.110.41 Push Stick**



- **999.501.32 Y-Fitting Suction Tube Ø63/Ø63/Ø38mm**
(suction hose not included)



DESCRIPTION	ORDER NO.
INDUSTRIO Routing System (with Prebored Plate for CMT7E)	999.500.01
CMT7E Precision Router 2.4KW + INDUSTRIO Routing Table *(CE Compliant)*	CMT7E+IND
Spare parts/Optional:	
Prebored Plate with Graduated Scales mm/inch for CMT 7E with Plastic Reduction Rings Ø25.4/31.7/67mm+key (Dimensions: 298.5x235x9.5mm)	999.501.35
4 Screws to mount CMT7E on INDUSTRIO Routing Table *(spare part)*	990.467.00
Electric Safety Switch	999.100.11

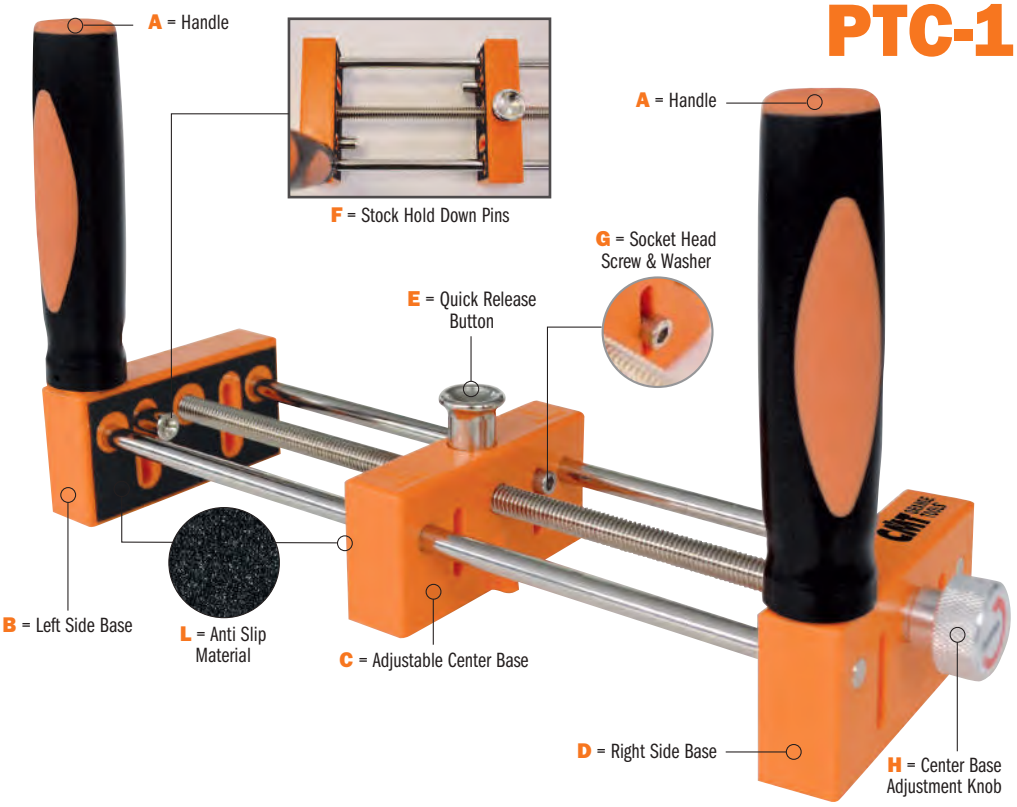
Small Stock Holder

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 220mm (8-1/2") in width.
The perfect little jig for detail-oriented jobs!

Maximal clamping dimension:
220mm (8-1/2").



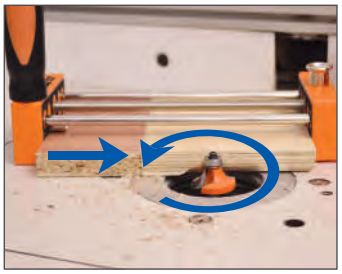
DESCRIPTION	ORDER NO.
Small Stock Holder	PTC-1



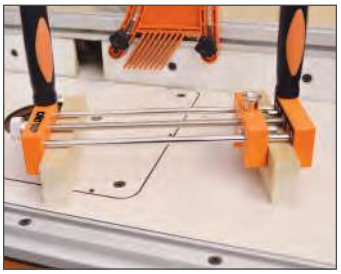
1. Lie the Small Stock Holder flat on the work surface. Slide the Hold Down Pins [F] to the top of the slotted holes. Insert the small stock piece between the Adjustable Centre [C] and Left-Side Bases [B]. The end of your small stock piece should lie flat and snugly up against the Left-Side Base. The 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.

Tabletop Accessories

999



999.110.42
Push block



999.110.41
Push stick

DESCRIPTION	ORDER NO.
Push stick	999.110.41
Push block	999.110.42





PPJ-002

For fast, easy and accurate cabinet & furniture construction. Designed by CMT and professional cabinetmakers, this 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.

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	ORDER NO.
Pocket-Pro Joinery System set	**PPJ-002**

Watch the video on YouTube

Standard Equipment

- 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**
- 30 FINE-thread screws TCQI 3.2x31.7mm (1-1/4") **990.101X30**

Optional

- 500 FINE-thread screws 3.2x31.7mm (1/8"x1-1/4") **990.101X500**
- 500 COARSE-thread screws 3.2x31.7mm (1/8"x1-1/4") **990.102X500**
- 500 FINE-thread screws 3.2x38.1mm (1/8"x1-1/2") **990.103X500**
- 500 COARSE-thread screws 3.2x38.1mm (1/8"x1-1/2") **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 for Industrio Table **999.505.04**

Note: FINE-thread screws for hardwoods (Oak, Walnut, etc.)
COARSE-thread screws for softwoods (Pine, Fir, MDF and Chipboard)

Optional



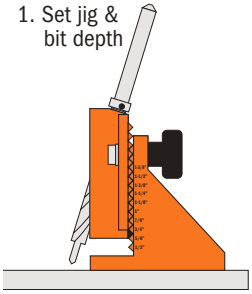
999.505.04
Pocket-Pro phenolic insert plate (for Industrio Table, pre-2024 versions)



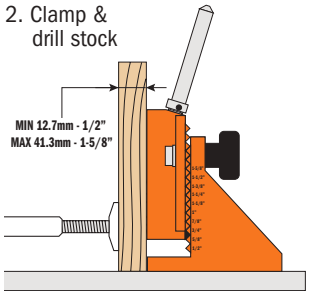
999.505.06
Face clamp with swivel pad

ENJOY EASY POCKET HOLE JOINERY!

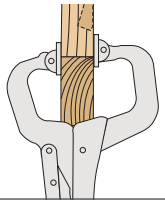
1. Set jig & bit depth



2. Clamp & drill stock

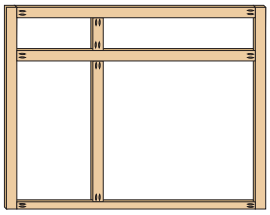


3. Assemble the joint!

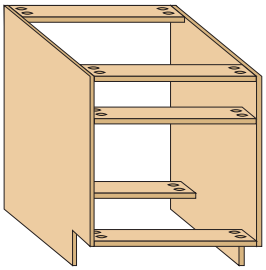


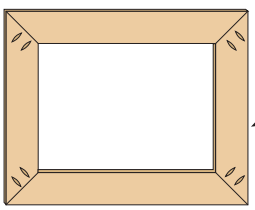
BUILD ALMOST ANYTHING!

Face Frames



Cabinets and more!





Picture Frames

Professional Straight Edge Clamps

CMT ORANGE TOOLS®

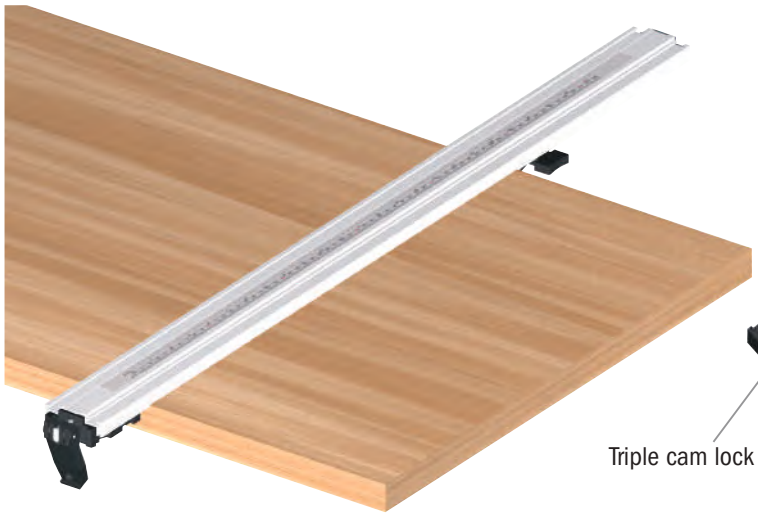
PGC

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.

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.

DESCRIPTION	ORDER NO.
Professional Straight Edge Clamp 610mm	**PGC-24**
Professional Straight Edge Clamp 915mm	**PGC-36**
Professional Straight Edge Clamp 1270mm	**PGC-50**

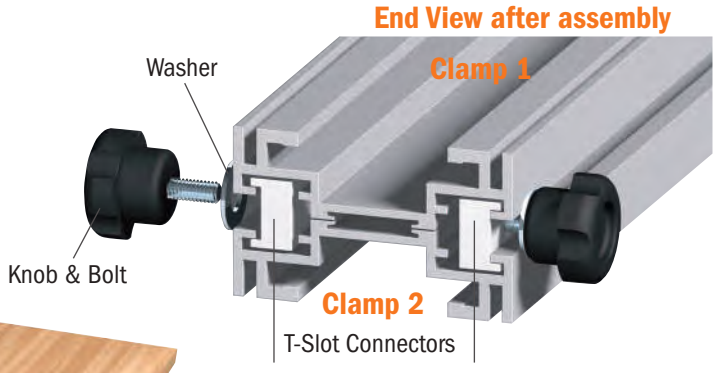




Back-to-Back Connectors for Straight Edge Clamps *(optional)*

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**





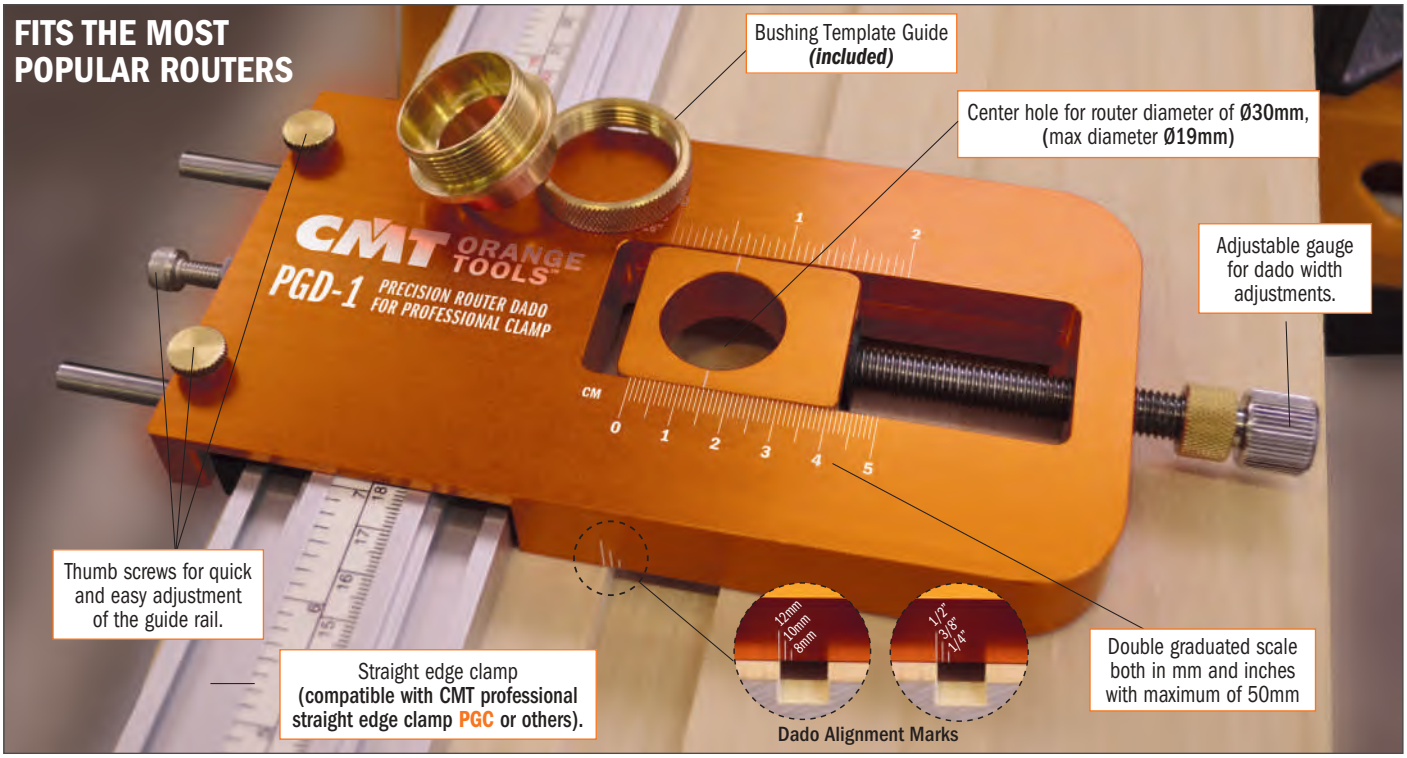


Adjustable Precision Router Dado Jig

CMT ORANGE TOOLS®

PGD-1

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.





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.



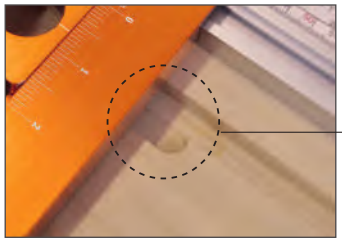
Set your cutting depth by raising or lowering the bit until desired depth is reached. Determine the starting point of the cut you wish to make by using the Dado Alignment Marks on the long sides (width) of the Adjustable Precision Router Dado Jig which indicates the outside edge of the dado cut closest to the straight edge clamp (12-10-8mm front, 1/2", 3/8", 1/4" back).



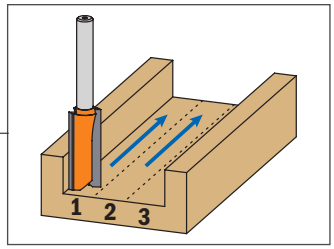
Holding onto your router in position, power on and begin making the cut by pushing forward and back on the straight edge clamp using the precision router dado jig as a guide. Makes impeccable grooves and dadoes along the length of your workpiece.

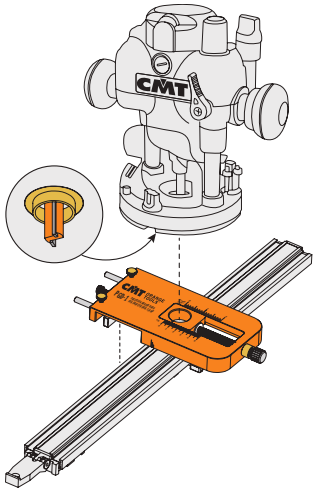


For creating dadoes that exceed router width, using the adjustable gauge, simply select the desired width on the graduated scale.



Make as many passes necessary to obtain the desired dado width.







RECOMMENDED* ***(not included)***

899.000.01 Universal Base Plate

899.000.02 Base Plate Prebored for **CMT7E**

*Not required for routers with 30mm (1-3/16") bushing guide



RECOMMENDED ***(not included)***

PGC Straight Edge Clamp with graduated scale (see page 404)

DESCRIPTION		ORDER NO.
Adjustable Precision Router Dado Jig	10	PGD-1

CMT650

The Jig for Perfect joinery!

For use on worktops ranging from 420mm to 650mm in width.

Designed to cut kitchen worktops joints with any type of router.

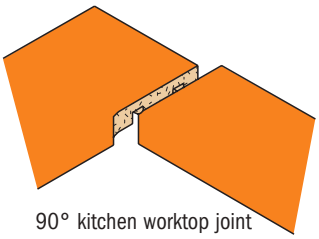
Letter code system for different operations speeds up and simplifies jig work.

Dimensions: 880x300x 10mm.

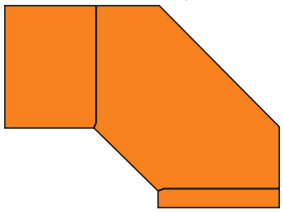




JOINTS MADE IN 15 MINUTES! INCLUDING SETUP TIME



90° kitchen worktop joint



45° kitchen worktop joint

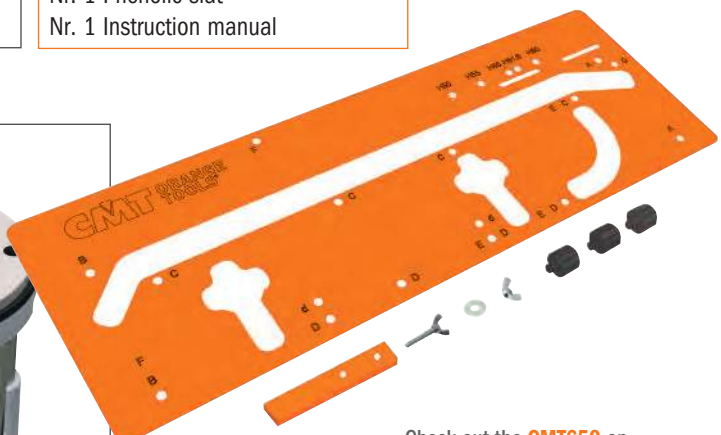
Standard Equipment

- Nr. 1 Phenolic template
- Nr. 3 Guide bushes
- Nr. 1 Butterfly screw
- Nr. 1 Phenolic slat
- Nr. 1 Instruction manual

Optional

- Router
- Straight bit Ø12mm*
- Base Plate prebored*
- Template guide ring Ø30mm*
- Two clamps





***COMBINATION ROUTERS/ACCESSORIES**

ROUTER	TEMPLATE GUIDE RING	BASE PLATE
CMT7E	899.007.00	CMT300-SB
NO-CMT	899.007.00	CMT300-SB1

652 8/912



***Bits for the jig:**
We recommend the use of these 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

Check out the CMT650 on YouTube

DESCRIPTION	ORDER NO.
Kitchen Worktop Jig	CMT650

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 guide bush for worktop width of 600mm.
- Two integrated templates for panel bolt recesses.
- Delivered with a clear and comprehensive instruction manual.

Universal Boring Template

CMT ORANGE TOOLS®

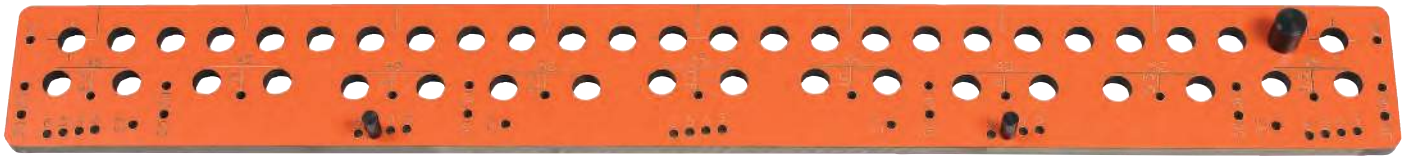
CMT's Universal Boring Template has been designed for carrying out precise and productive manual dowelling of furniture elements by using 32mm Euro-System screws. For boring shelf supports with 3mm or 5mm diameter and for making and marking hinge holes. This **CMT900** template will help you prebore the most popular hinge types.

CMT900

For dowelling into surfaces and shelf supports and hinges



Check out the **CMT900** on YouTube



- LAMINATED PHENOLIC MATERIAL
- CLEAR AND COMPREHENSIBLE TEMPLATE MARKING
- PRECISE END STOPS



BORING ADAPTORS *(not included):*

- Suitable for any type of drilling machine
- End stop for different boring depths
- DURALUMIN® body with pre-bored holes for better chip ejection
- Precise, flat seating for proper alignment

ORDER NO. **CMT400-1**
Boring adaptor for **CMT656, CMT900 JIGS**
For bits with up to 30mm drilling depth:
306.030.21 - 306.050.11 - 306.080.11

QUICK AND EASY:

TECHNICAL DETAILS:	CMT900
Max. board width with clamping:	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

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Inlay Kit

CMT ORANGE TOOLS®

The components of this kit include a spiral cutter or a straight cutter (sold separately) with a diameter of 3mm and 3.2mm and a 6mm and 6.35mm attachment respectively. The interchangeable brass rings allow you to create the cavity of your choice on the workpiece. The instruction manual shows in detail all the steps of the process. This kit offers endless decorative possibilities (toys, puzzles and lettering). The spiral cutter is recommended for use on MDF while the straight cutter is best for natural wood.

899.001



899.001.00

DESCRIPTION		ORDER NO.
Inlay Kit (Solid brass template guide)		**899.001.00**
Inlay kit with 3.2mm (1/8") HWM straight bit	(S=Ø6.35mm)	**899.052.00**
Optional:		
Universal base plate		**899.000.01**
Base plate prebored for CMT7E		**899.000.02**
Spare parts:		
3.2mm (1/8") HWM spiral bit	(S=Ø6.35mm)	**192.001.11**
3.2mm (1/8") HWM straight bit	(S=Ø6.35mm)	**812.032.11**
3mm HWM spiral bit	(S=Ø6mm)	**192.630.11**
3mm HWM straight bit	(S=Ø6mm)	**712.030.11**

899.000.02
Base plate prebored for **CMT7E**
(not included)





Complete instructions for assembling and using CMT inlay kit are included.



Template Guide Kit

A practical 7 piece bushing kit that will extend the possibilities of your router.
For template-controlled operations such as dove-tailing, stair routing, hinge butt routing, lock face routing and more general template tasks.
These kits can be used with any router featuring a 30mm (1-3-/16") bore baseplate.
Fits the most popular routers.
Some routers may require CMT's base.
CMT-TGA is compatible with the CMT12 bases and does not require an optional base plate.



CMT-TGA

DESCRIPTION	ORDER NO.
Template Guide Kit	**CMT-TGA**

Optional



DESCRIPTION	ORDER NO.
Universal base plate	**899.000.01**
Base plate prebored for CMT7E	**899.000.02**

Set contains:

QTY.	1	1	1	1	1	1	1	2	1
Internal diameter	**15.87**mm	**16.66**mm	**13.49**mm	**10.31**mm	**8.73**mm	**7.14**mm	**6.35**mm	Lock Nut	Adaptor
Outside diameter	**20.24**mm	**19.05**mm	**15.87**mm	**12.7**mm	**11.11**mm	**9.52**mm	**7.93**mm		
Height	**14.28**mm	**14.28**mm	**14.28**mm	**7.93**mm	**3.96**mm	**7.93**mm	**3.96**mm		

Flexible Templates for Curved & Arched Routing

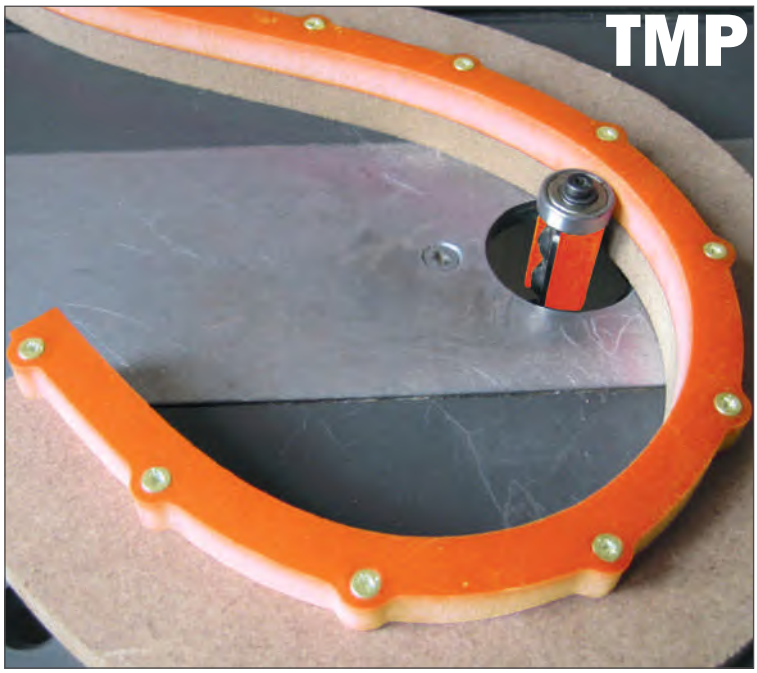
The CMT flexible template is easy to screw on any kind of wooden panels, MDF or chipboard for creating forms, arcs and curved elements easily and rapidly. In order to fix your template you can use countersunk screws, which are widely available on the market. The CMT template is made of a highly-resistant 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.

Check out the **Flexible Template** on YouTube

DESCRIPTION	L mm	ORDER NO.
Flexible template for routing 12x12mm	1200	**TMP-1200**
Flexible template for routing 18x18mm	1200	**TMP-1000**

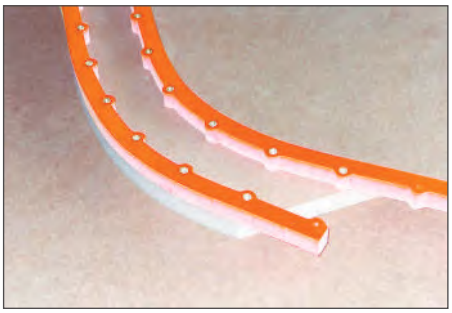


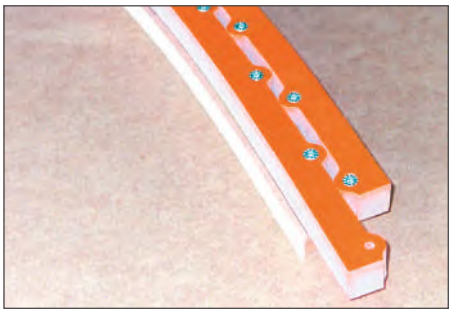












12 Corner Radius Router Template Set from 3mm to 25mm

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	

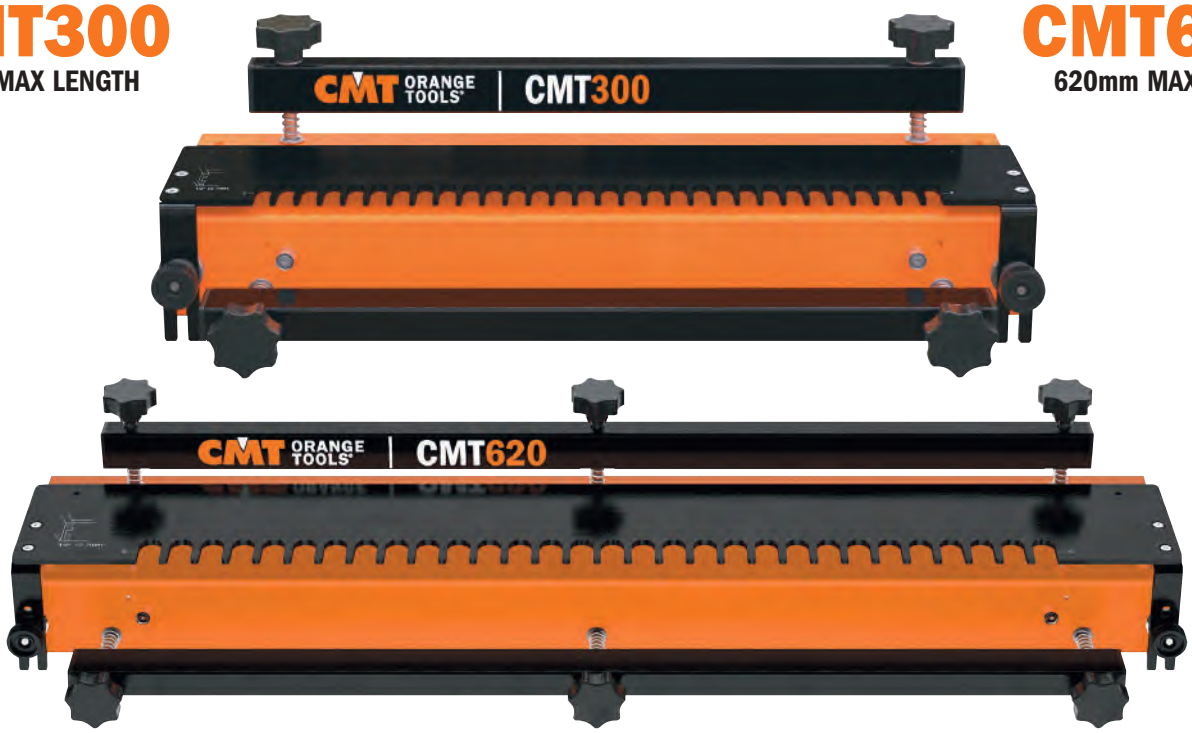


new

CMT ORANGE TOOLS®

CMT300
305mm MAX LENGTH

CMT620
620mm MAX LENGTH



CMT300 *Standard Equipment*

- **CMT300-T128** Comb Template for Half-Blind Dovetail Joint 12.7mm (1/2")
- **899.005.00** Template Guide Ring (Ø15.8x4mm)



Download instructions sheets from our website

CMT620 *Standard Equipment*

- **CMT620-T128** Comb Template for Half-Blind Dovetail Joint 12.7mm (1/2")
- **899.005.00** Template Guide Ring (Ø15.8x4mm)



MAX LENGTH [MM]	DESCRIPTION	ORDER NO.
305	Universal Jointing System Dovetail/Box Joint	**CMT300**
620	Universal Jointing System Dovetail/Box Joint	**CMT620**







TEMPLATE GUIDE RING & OPTIONAL BASE PLATE



The template guide ring is compatible with most routers on the market and can be mounted using the two screws provided.
If your router isn't compatible with the template guide ring, an optional base plate may be required ***(not included)***:

CMT300-SB: Prebored for **CMT7E** and **CMT12** routers
CMT300-SB1: Unbored (for non-CMT routers) + Centering pin Ø8 – Ø12mm

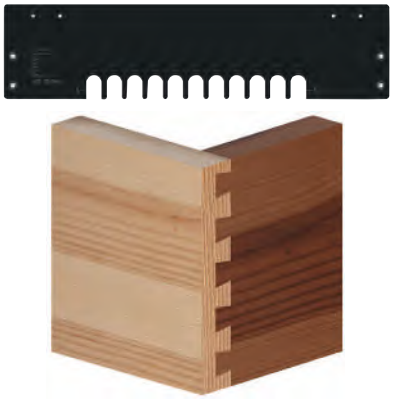


CMT300-SB

new

CMT ORANGE TOOLS®

Additional Comb Template and recommended CMT Bits (NON INCLUDED)

# COMB TEMPLATE	CMT300-T128 CMT620-T128 *Standard Equipment*	CMT300-T064 CMT620-T064	CMT300-T080 CMT620-T080
JOINT TYPE	HALF-BLIND DOVETAIL JOINT 12.7MM (1/2”)  JOINT THICKNESS 12 ~ 25	HALF-BLIND DOVETAIL JOINT 6.35MM (1/4”)  JOINT THICKNESS 8 ~ 12	BOX JOINT 8MM (5/16”)  JOINT THICKNESS 8 ~ 15
Ø BIT SHANK [MM]			
6	718.127.11	718.060.11	811.081.11
6.35	818.128.11	818.064.11	-
8	918.127.11	-	912.080.11
12	-	-	-
12.7	818.628.11	-	-
# TEMPLATE GUIDE RING (included with comb template)	899.005.00 (Ø15.8x4mm)	899.003.00 (Ø7.8x4mm)	899.004.00 (Ø11.1x4mm)

# COMB TEMPLATE	CMT300-T127 CMT620-T127	CMT300-T129 CMT620-T129		CMT300-T190 CMT620-T190	
JOINT TYPE	BOX JOINT 12.7MM (1/2”)  JOINT THICKNESS 8 ~ 22	THROUGH DOVETAIL JOINT 12.7MM (1/2”)  JOINT THICKNESS 8 ~ 19		THROUGH DOVETAIL JOINT 19MM (3/4”)  JOINT THICKNESS 16 ~ 25	
Ø BIT SHANK [MM]					
6	812.127.11	-	-	718.190.11	-
6.35	-	818.129.11	811.081.11	818.190.11	812.127.11
8	912.127.11	918.129.11	912.080.11	918.190.11	912.127.11
12	-	-	-	918.690.11	-
12.7	811.627.11	-	-	818.190.11	811.627.11
# TEMPLATE GUIDE RING (included with comb template)	899.005.00 (Ø15.8x4mm)	899.005.00 (Ø15.8x4mm)	899.004.00 (Ø11.1x4mm)	899.006.00 (Ø22x4mm)	899.005.00 (Ø15.8x4mm)

Universal Hinges Boring System

CMT ORANGE TOOLS®

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 worldwide leading companies in the sector. Use the **CMT333** universal hinge boring system on all hand-held or standing drill press tools.

CMT333





COMPATIBLE WITH MANY HINGE TYPES

Check out the **CMT333** on YouTube

BORING HEAD NOT INCLUDED
Choose from one of these options:

- CMT333-4211
- CMT333-4809
- CMT333-4300
- CMT333-5255
- CMT333-4595
- CMT333-325







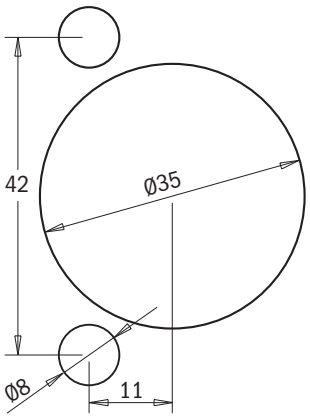
For use on standing drill presses and the CMT Industrio Routing Table.

CMT333

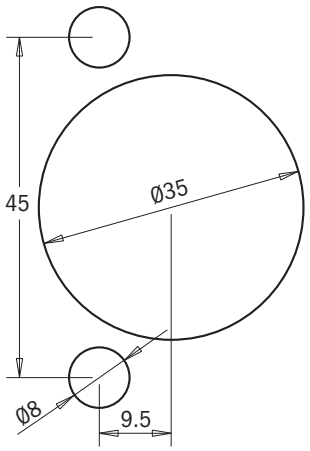


TECHNICAL FEATURES:
- All parts rust-proof
- Ground aluminum
- Max 5000 RPM
- Six radial antifriction bearings

SAFETY TIPS:
We recommend **Mobil SHC100** for lubrication



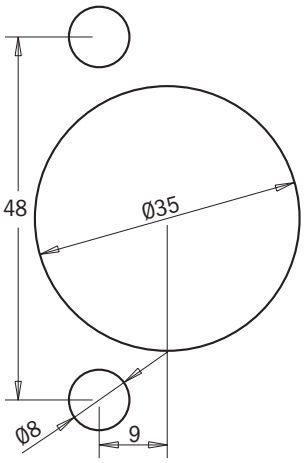
1 **CMT333-4211**
for GRASS® hinges 42/11



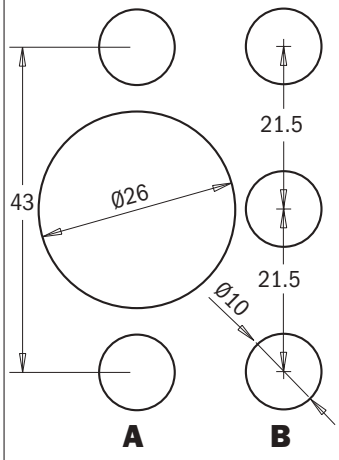
2 **CMT333-4595**
for BLUM® hinges 45/9.5



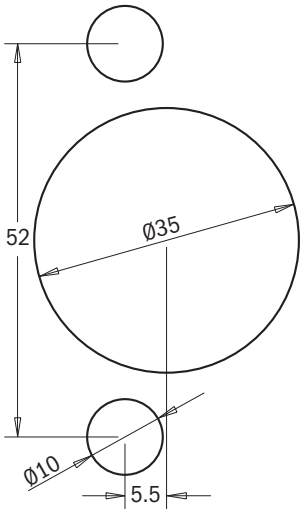
Example BLUM® hinge



3 **CMT333-4809**
for MEPLA® hinges 48/9



4 **CMT333-4300**
for window handles 43/00

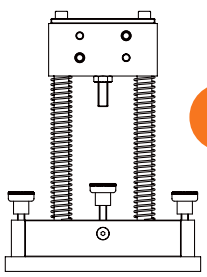


5 **CMT333-5255**
for HETTICH®, WÜRTH® hinges 52/5.5



MAXIMUM VERSATILITY

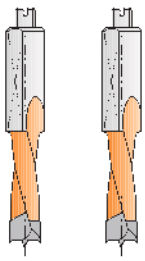
SUPPORT MODULAR BASE	BORING HEADS	DRILL BITS	BORING BIT	MAKE YOUR SET



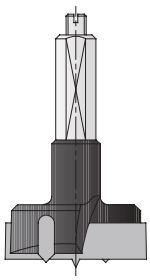
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ORDER NO.	ORDER NO.	S	ORDER NO. Left-hand rotation	ORDER NO. Right-hand rotation
CMT333	CMT333-4211	8mm	310.080.12 (2 pcs.)	317.350.11
CMT333	CMT333-4595	Hexagonal	310.080.12 (2 pcs.)	317.350.11
CMT333	CMT333-4809	8mm	310.080.12 (2 pcs.)	317.350.11
CMT333	CMT333-4300	Hexagonal	310.100.12 (2 pcs.)	317.260.11/310.100.11
CMT333	CMT333-5255	Hexagonal	310.100.12 (2 pcs.)	317.350.11
CMT333	CMT333-325	Hexagonal	(3 pcs. RH + 2 pcs. LH)	

Choose your hinge		
1	GRASS®	42/11
2	BLUM®	45/9.5
3	MEPLA®	48/9
4	Window handles	43/00
5	HETTICH®, WÜRTH®	52/5.5
6	SYSTEM 32	32

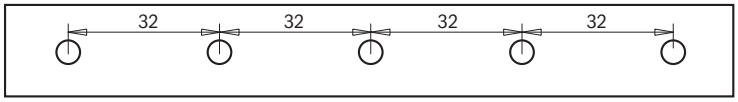
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Boring Head System 32

The universal modular base **CMT333** supports the installation of the System 32 with 5 adaptors.

CMT333-325





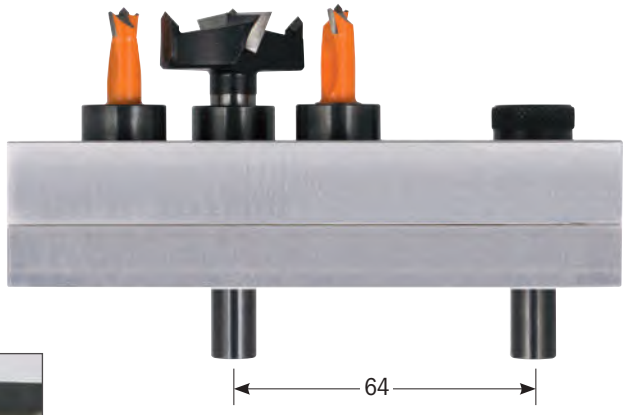
DESCRIPTION	ORDER NO.
Boring head with 5 adaptors for System 32	**CMT333-325**

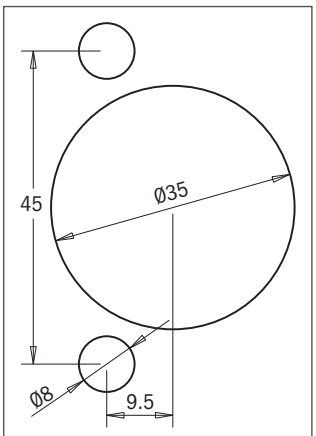
BLUM® Hinge Boring Head

The **CMT334** BLUM® Hinge Boring Head features three spindles which allow you to bore hinge holes cleanly and efficiently.

CMT334

DESCRIPTION	ORDER NO.
Hinge Boring Head (bits not included)	**CMT334-4595**
Boring Bit Ø35x38.5mm. Right-hand rotation	**393.350.11**
Dowel Drill Ø8x38.5mm. Left-hand rotation	**393.080.12**





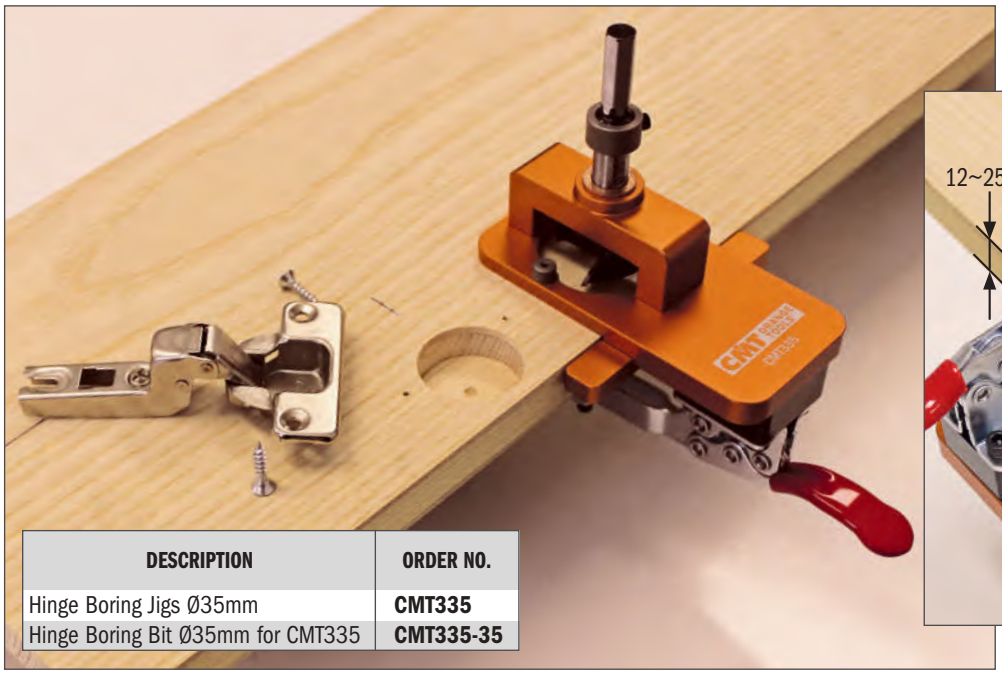
CMT334-4595
for BLUM® hinges 45/9.5



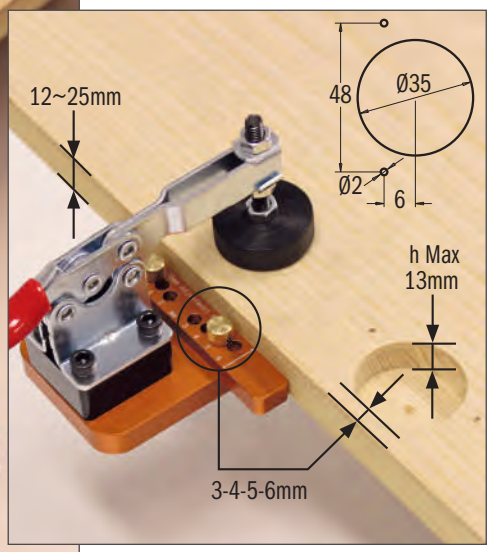
For use on boring and point-to-point machines

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT335

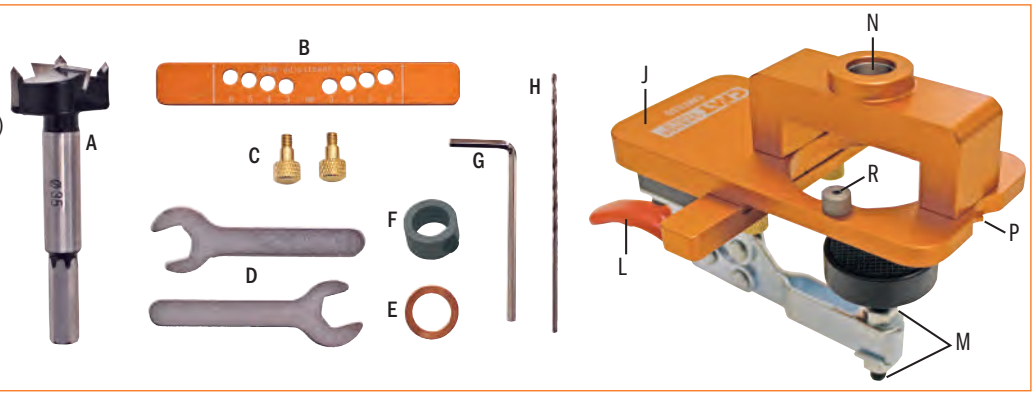


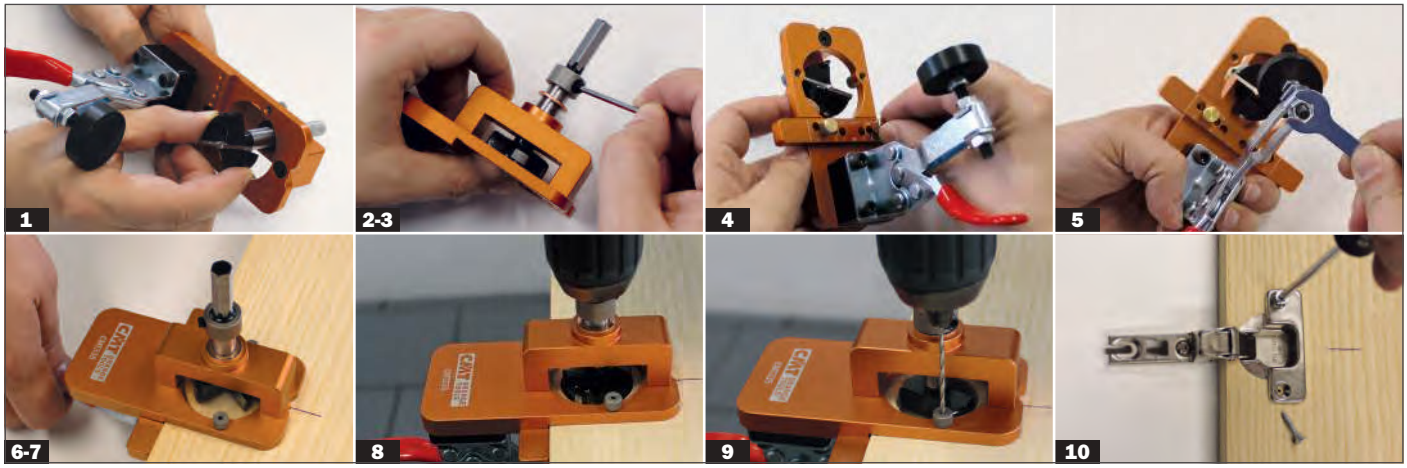
DESCRIPTION	ORDER NO.
Hinge Boring Jigs Ø35mm	**CMT335**
Hinge Boring Bit Ø35mm for CMT335	**CMT335-35**



Standard Equipment

J. Portable 35mm Hinge Boring Jig
A. 35mm Hinge Boring Bit (**CMT335-35**)
B. Adjustable Distance Bar
C. Screw for Adjustable Distance Bar (2 pcs.)
D. 10mm Wrench (2 pcs.)
E. Spacer
F. Depth Collar
G. Hex Key 3mm
H. 2mm Drill Bit





INSTRUCTIONS FOR USE

1. Lift the quick lever clamp [L] of the **CMT335** (J) and insert the 35mm Hinge Boring Bit [A] with tip/cutting edge side up, into the hole where the 12mm bearing [N] is housed.
2. Insert the spacer [E] and depth collar [F] on the shank of bit, then with the hex key [G] tighten the screw on the depth collar to lock it in place.
3. Depending on the hinge model, adjust the desired drilling depth (max 13mm) by moving the depth collar [F].
4. Assemble the Adjustable Distance Bar [B] using the screws [C].
   The arrows on the bar must point towards the Hinge Boring Bit.
   The distance between the main hole and the panel's edge can be adjusted by changing the screws' positions in their respective holes (3-4-5-6mm) depending on the hinge model (the most common setting is at 5mm).
5. By loosening and tightening the nuts [M] with the 10mm Wrenches [D], you can determine the thickness (from 12 to 25mm) of the material you need to clamp with your jig.
6. Draw a reference line on the work piece. This line must correspond to the center hole of hinge bracket.
7. Secure your jig **CMT335** to the work piece using the lever [L] and with the help of the reference spur [P]. Center it on the reference line.
8. Connect your drill to the Hinge Boring Bit and pressing the tool downwards, create the main hole for the hinge.
9. Mount the 2 mm Drill Bit [H] on your drill and make two small reference holes (center-to-center distance 48mm; offset 6mm) using the specific bushings [R].
10. Mount your hinge by securing it with two screws. The job is done.

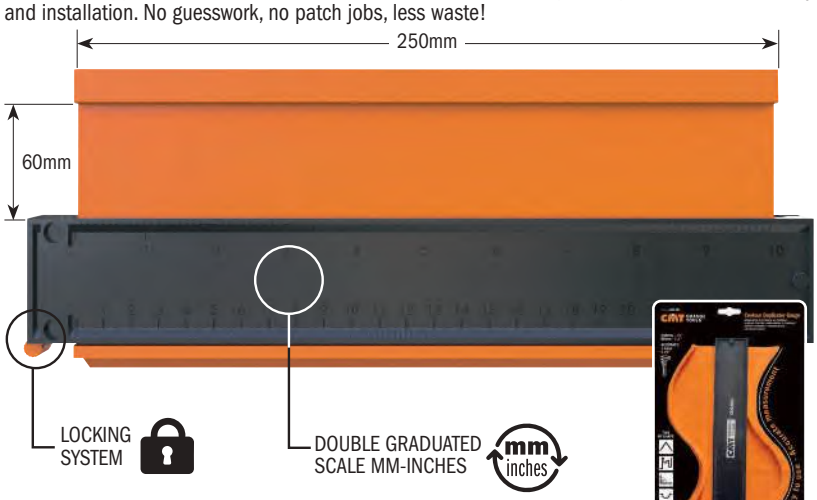
THE PORTABLE HINGE BORING JIG **CMT335** IS EXCLUSIVELY COMPATIBLE WITH 35MM HINGE BIT (Order no: **CMT335-35**).

Contour Duplicator Gauge

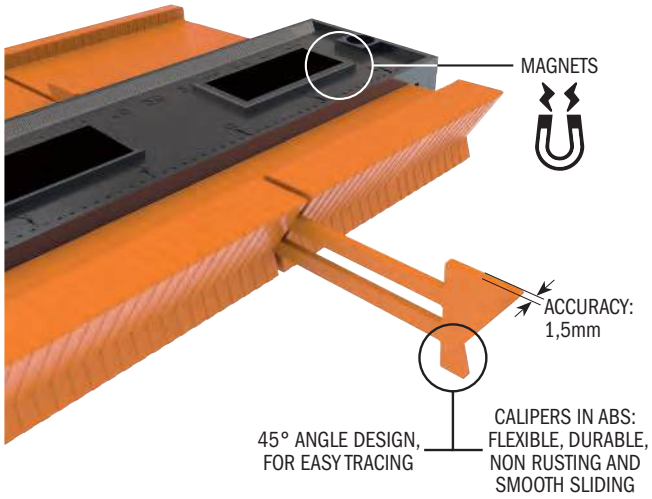
CMT ORANGE TOOLS®

CDG-001

For precision tracing of shapes, even curved, in a variety of materials. Easy sliding calipers designed to mold and duplicate any form: pipes, columns, tubing, regular and irregular walls, baseboards, crown molding, door and window framework.
For use on applications such as tile, wood, wood derivatives, composite, porcelain, ceramic, vinyl, flooring for easy tracing, fitting and installation. No guesswork, no patch jobs, less waste!



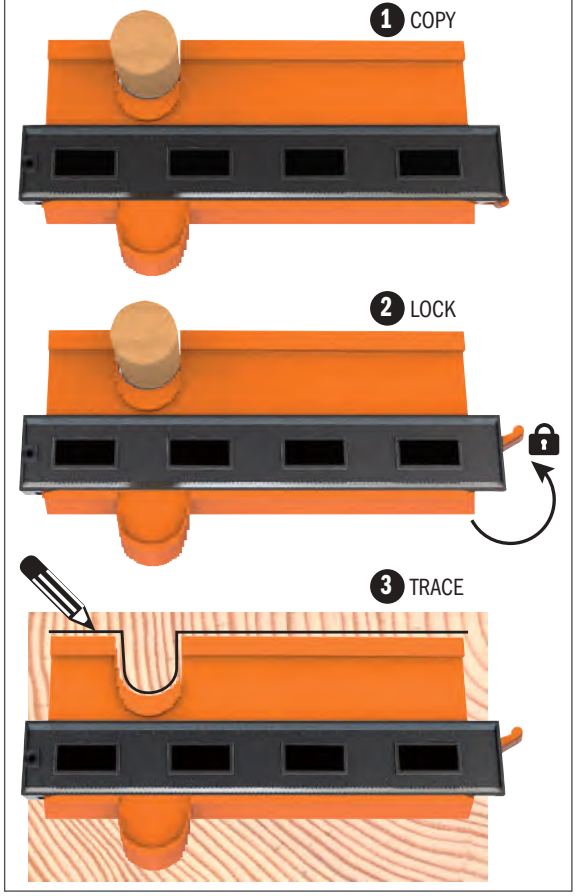
DESCRIPTION		ORDER NO.
Contour Duplicator Gauge	5	CDG-001



TYPE OF SHAPE



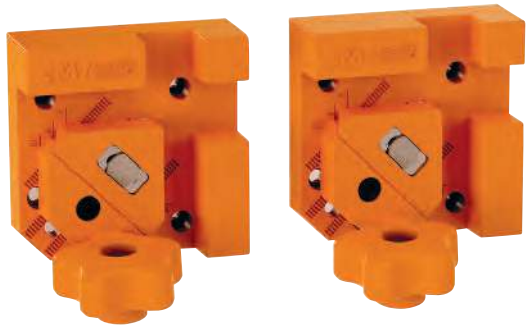
EASY TO USE - ACCURATE MEASUREMENT



Adjustable Corner Frame Clamps

CFC-002

CMT Adjustable Corner Frame Clamps will easily create the perfect 90° angle or handy T-joints typical in shelving, cabinets and frame applications using boards of variable thicknesses from 6 to 25.4mm. These clamps allow you to work independently, and above all, hands-free so you can glue, dry-fit, nail, screw, or square your joint securely and accurately – just like a professional. The special design allows you to immobilize the panels from the inside (hex key) and from the outside (knob) according to your project needs. Set up is easy as 1-2-3: position the clamp, twist the knob and presto! Equal pressure is instantly applied on each side of the corner and you have a perfectly squared 90° joint! Made of sturdy and durable plastic material, the clamp features a double graduated scale in mm/inches for a broad range of adjustments.









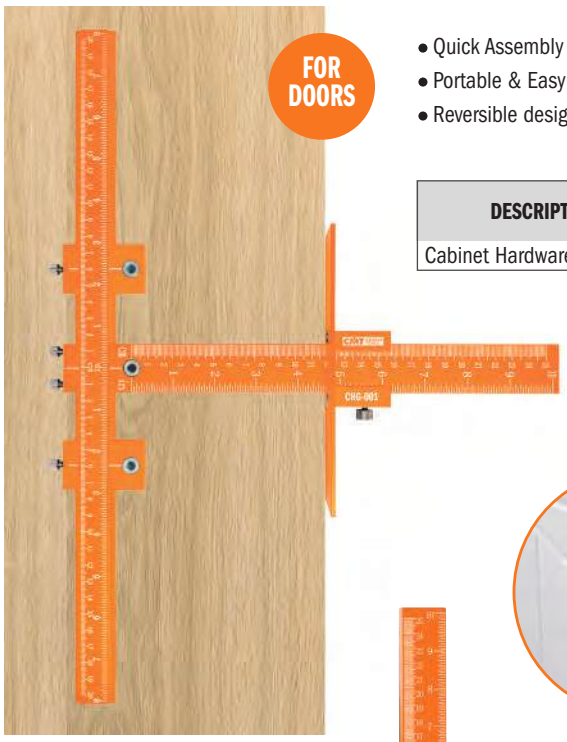
DESCRIPTION	ORDER NO.
2 pcs. Adjustable Corner Frame Clamps 100x100x35	CFC-002

Cabinet Hardware Jig Guide

new

CMT ORANGE TOOLS®

CHG-001



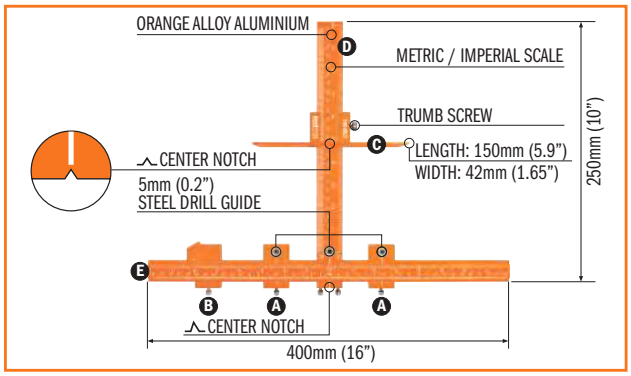
- Quick Assembly & Precise Positioning
- Portable & Easy to use
- Reversible design for Left & Right Doors

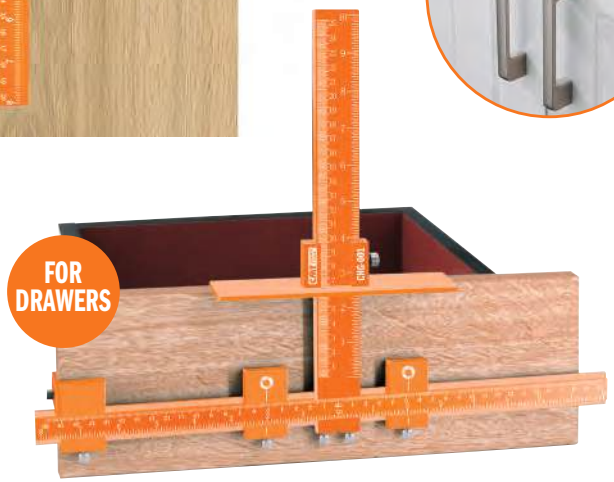
DESCRIPTION	ORDER NO.
Cabinet Hardware Jig Guide	**CHG-001**

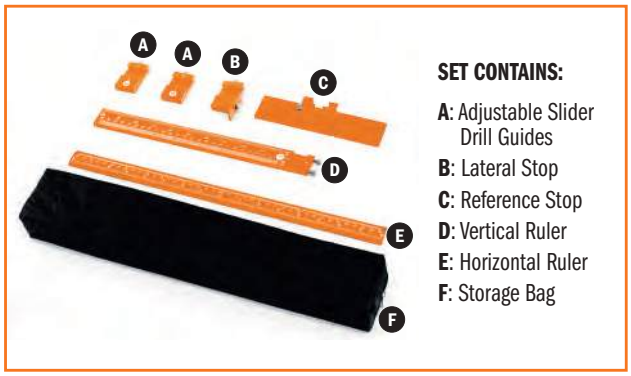
TECHNICAL DETAILS:

- Vertical scale:..... 0~250mm (0~10")
- Horizontal scale (each side):..... 0~200mm (0~8")
- Dimension:..... 410 x 310 x 42mm (16.15" x 12.2" x 1.65")
- Weight:..... 0.55Kg (1.2lb)









SET CONTAINS:

A: Adjustable Slider Drill Guides
B: Lateral Stop
C: Reference Stop
D: Vertical Ruler
E: Horizontal Ruler
F: Storage Bag

3-piece Precise Measurement Pack

DMS-001



DESCRIPTION	ORDER NO.
3-piece Measurament Pack	**DMS-001**
Set contains:	
Digital angle finder	**DAF-001**
Digital height gauge	**DHG-001**
Digital angle gauge	**DAG-001**



DAF-001



DHG-001



DAG-001

Digital Height Gauge

CMT ORANGE TOOLS®

DHG-001



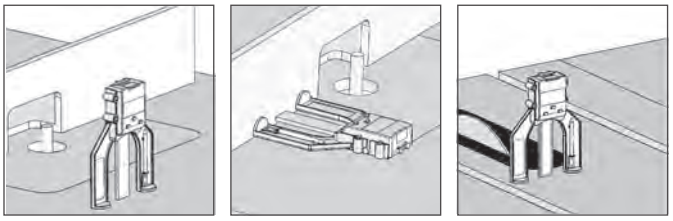
- Digital height gauge (mm/inch/fraction).
- Precise measurements for: Router bits, Saw blades, Band saw blades, Cutter heads, Drill bits, Holes depth.
- Measuring ruler with locking screw.
- Self standing with magnets.
- Depht pin to measure narrow holes or channels.
- Instruction manual.



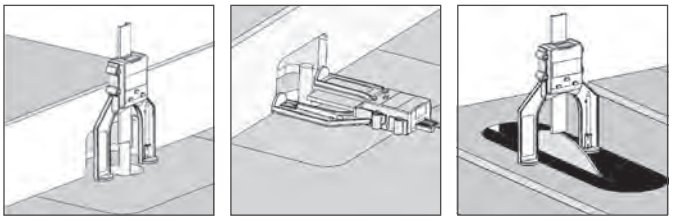
✓Compliant with:
ANSI/US 4200A-2023



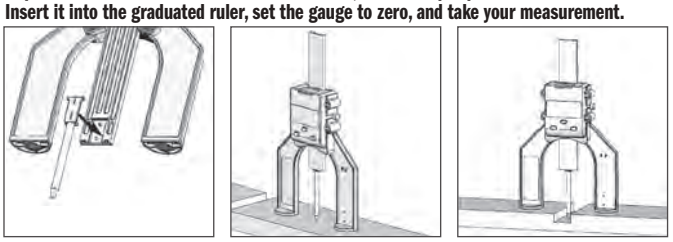
Place your gauge on a flat surface and set to zero



Position your gauge on tools that you want to measure



Depth Pin to measure narrow holes or channels, use the depth pin.
Insert it into the graduated ruler, set the gauge to zero, and take your measurement.



TECHNICAL DETAILS:

- Measuring range: .....0~80mm (0~3-1/8");
- Depht pin: .....0~52mm (0~2")
- Wide opening: .....60mm (2.35")
- Resolution: .....0.05mm (0.002")
- Accuracy: .....±0.1mm (±0.004")
- Battery: .....**Not Included**
- Battery Type: .....CR2032-3V; Lithium Button Cell

DESCRIPTION		ORDER NO.
Digital Height Gauge	10	**DHG-001**

Digital Moisture Meter

DMM-001

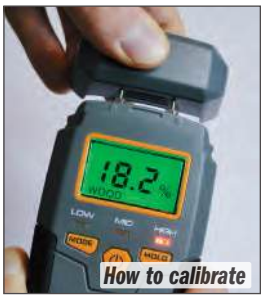




Ideal for use in woodworking, building construction and agriculture industries. The **DMM-001** is also an invaluable tool in the restoration field. Ideal for locating moisture in carpets and sub-flooring.
Ultra-sensitive Digital Moisture Meter easily detects hidden leaks in wood, concrete, plaster and 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







- 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)
- Accuracy: ..... ±2%
- Backlight shut off: ..... Approx. 15 seconds
- Auto power off: ..... After 3 minutes idle
- Battery: .....**Not 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

CMT ORANGE TOOLS®





Ideal for miter saws and table saws.
Precisely sets saw blade bevel angles.

DAG-001

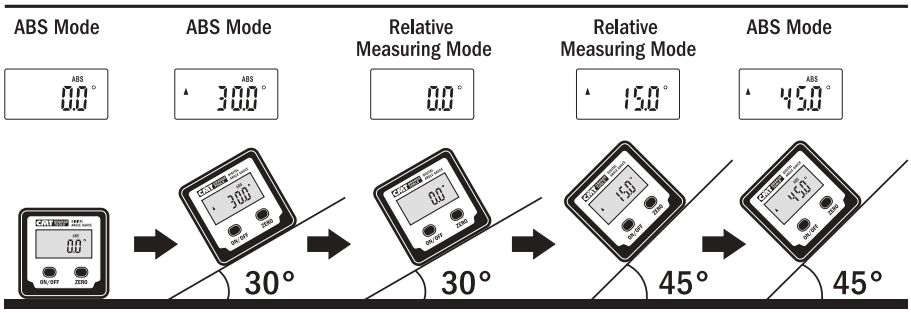
- Automatic LCD backlight.
- Large display for easy digital reading.
- Measurements in absolute or relative mode.
- Angles displayed in degrees.
- Automatic digit inversion for overhead measurements.
- Magnetic base.
- Carry Case included.
- Instruction manual.



DESCRIPTION	ORDER NO.
Digital Angle Gauge	**DAG-001**

TECHNICAL DETAILS:

- Range: ..... ±90°x 4
- Resolution: ..... 0.1°
- Accuracy: ..... ±0.1°(0°-90°); ±0.2°
- Battery: ..... **Not Included**
- Battery Type: ..... AAA-1.5V; Alkaline
- Dimensions: ..... 60 x 60 x 28mm
  (2-3/8" x 2-3/8" x 1-1/8")



Horizontal Plane

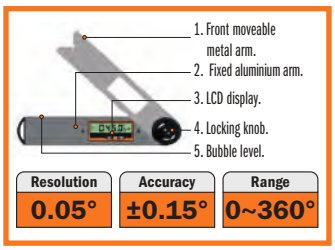
Digital Angle Finder



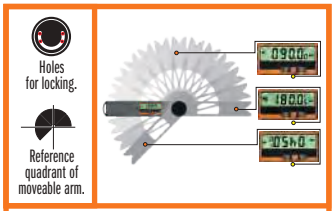
✓Compliant with: ANSI/US 4200A-2023

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.

DAF-001



DESCRIPTION	ORDER NO.
Digital Angle Finder	**DAF-001**





- 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°
- Accuracy: ..... ±0.15°
- Battery: ..... **Not Included**
- Battery Type: ... CR2032-3V; Lithium Button Cell
- Dimensions: .... 268 x 50 x 25mm (10-1/2" x 2" x 1")

Watch the video on YouTube



Laminate/Veneered-Panel Cutter

DET-003

A very useful hand tool for clean, splinter-free cuts on laminates and veneer with no waste. Place your material into the fence provided and run the cutter 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.



TECHNICAL DETAILS:

- 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**

Spare parts **DET-003K** Pair of cutters right-left for DET-003

Edge Banding Iron

DET-004

Turn on the **DET-004** Edge Banding Iron using the switch and place it on the stand provided. After about 10 minutes, the iron will reach its maximum temperature. You can then apply the pre-glued tape to the edge of your panel by running the tool over it.
The non-stick surface of the base and its shape make it easy and quick to apply the edging.



TECHNICAL DETAILS:

- Power: 30W
- Voltage: 110-230V (50-60Hz)
- Maximum temperature: 180° ±10° C
- Plug type: F
- Cable length: 1.3m
- Weight: 0.4 Kg

DESCRIPTION	ORDER NO.
Edge Banding Iron	**DET-004**

Edge Banding End Trimmer

DET-002

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**.



DESCRIPTION	ORDER NO.
Edge Banding End Trimmer	**DET-002**

Spare parts **DET-002K** 2 pcs. replacement blade set 55x13x1.5mm

Double-Edge Trimmer

DET-001

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.



DESCRIPTION	ORDER NO.
Double-Edge Trimmer	**DET-001**

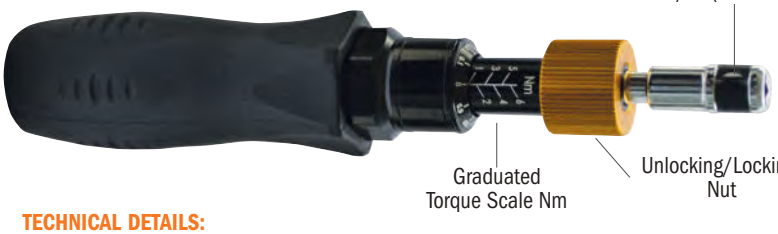
Spare parts **DET-001K** Spare knives for double-edge trimmer

Adjustable Torque Screwdriver Set 1~6 Nm

TW-006



The Adjustable Torque Screwdriver set includes 20 types of inserts and provides a sturdy protective case to store and keep tools safe. In addition to the instruction manual, inside you'll find the calibration certificate (unique for each instrument) according to DIN ISO 6789 & ASME B107.300-2010.



Standard Equipment

- Torque screwdriver
- 20 types of inserts:
  - 0-1-2-3 (n°4 pcs)
  - 8-9-15-20-25 (n°5 pcs.)
  - 3-4-5-6 (n°4 pcs.)
  - 1.5-2-3-4-5-6 (n°6 pcs.)
  - Square Adaptor 1/4" (6.35mm), n°1 pc.
- Plastic case
- Instruction manual
- Calibration certificate

TECHNICAL DETAILS:

- Range..... 1~6 Nm
- Resolution..... 0.1 Nm
- Tolerance..... ±6%
- Length..... 195mm (7.7")
- Weight..... 335gr. (11.8oz)
- Automatic quick-release, audible and palpable click, when selected torque is reached
- Automatic reset after 90°
- Right-handed (CW)

TORQUE SUGGESTED*

THREAD	Nm
M2.5	1.0
M3	1.2
1/8"	1.4
M3.5	1.8
M4	2.7
M5	5.3

*** Suggested tightening torque for CMT screws (Class 8.8)**

To download this user manual in a different language, visit **www.cmtorangetools.com**

APPLICATION:





The Adjustable Torque Screwdriver is versatile enough for use in many fields, but we recommend it for the tightening or fastening of CMT bits and cutter heads with interchangeable knives.

Some CMT products may require the use of an extension, which is not included in the **TW-006** set.

DESCRIPTION		ORDER NO.
Adjustable torque screwdriver set 1~6 Nm	24	TW-006

Interchangeable Torque Wrench 20~200 Nm

TW-200

The Interchangeable Torque Wrench comes complete with a sturdy protective case to store and keep tools safe, an instruction manual, and calibration certification (unique for each instrument) according to DIN ISO 6789 & ASME B107.300-2010.



Scale Adjuster — Torque Scale (Nm/Lbt-ft) — Interchangeable Head S=14x18mm

Optional



TW-2836 (ER16 & ER20)
TW-4045 (ER25)
TW-5055 (ER32)
TW-5862 (ER40 & EOC25)
TW-8001 (Kinetic Dust Extractor 992)
TW-1001 (Kinetic Dust Extractor 992)



TW-A912



TW-A095
TW-A127

TECHNICAL DETAILS:

- Range..... 20~200 Nm (10-150 lbf-ft)
- Resolution..... 1 Nm
- Tolerance..... ±4%
- Length..... 500mm (19.7")
- Weight..... 1.15Kg. (40.6oz)
- Automatic quick-release, audible and palpable click, when selected torque is reached
- Right-handed (CW)

TORQUE SUGGESTED*

CHUCK/COLLET	Nm	Lbf-ft
ER16	57	42
ER20	80	59
ER25	104	77
ER32	135	100
ER40	176	130
EOC25	122	90

*** Suggested tightening torque for CMT Chuck/Collet**

To download this user manual in a different language, visit **www.cmtorangetools.com**

APPLICATION:



The Interchangeable Torque Wrench is versatile enough for use in many fields, but we recommend it for the tightening of CMT chucks.

DESCRIPTION	S mm		ORDER NO.
Interchangeable Torque Wrench 20~200 Nm	14x18	12	TW-200
Hook Head Insert Ø=28-36mm (ER16 & ER20)	14x18	1	TW-2836
Hook Head Insert Ø=40-45mm (ER25)	14x18	1	TW-4045
Hook Head Insert Ø=50-55mm (ER32)	14x18	1	TW-5055
Hook Head Insert Ø=58-62mm (ER40 & EOC25)	14x18	1	TW-5862
Hook Head Insert Ø=80mm (Kinetic Dust Extractor 992)	14x18	1	TW-8001
Hook Head Insert Ø=100mm (Kinetic Dust Extractor 992)	14x18	1	TW-1001
Push Ratchet Insert S2=3/8"	14x18	5	TW-A095
Push Ratchet Insert S2=1/2"	14x18	5	TW-A127
Adaptor Insert S2=9x12mm	14x18	50	TW-A912

Bench Block Set

CMT ORANGE TOOLS®

BBS-001

These blocks are great for holding your workpiece steady without resorting to the use of clamps. Their anti-slip surface grip adheres to both your bench top and the underside of your workpiece. By raising the workpiece off the main bench top, you automatically create extra clearance underneath so you can put your router bits and cutters conveniently to work!

Lenght: 75mm
Width: 50mm
Height: 25mm





DESCRIPTION	ORDER NO.
Bench block set (4 pcs.) 75x50x25	**BBS-001**

Bit Organizer

03.51

100 bits at your fingertips
You always need your most used bits within reach! They also need to be safely organized. CMT offers a perfect solution for keeping them in order with a handy organizer. Conveniently holds up to 100 router or drill bits of any size with the use of a CMT interchangeable bushing to fit all shank diameters. See options listed below.







DESCRIPTION	ORDER NO.
Bit Organizer 320x320x45mm (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: Tools Cleaner

CMT ORANGE TOOLS®

998

An incredibly effective cleaner for all cutting tools!

Pitch and resin residues from wood can significantly shorten the lifespan of cutting tools. **Formula 2050** has received rave reviews from professional sharpeners, often described as a"phenomenal" product. What makes it so effective? **Formula 2050** penetrates microscopic crevices in the resin, breaking the bond between the residue and carbide or steel surfaces.
The bottom line? **Formula 2050** keeps your tools clean and extends their lifespan! Prolonged use may cause damage to special coating treatments applied to aluminum tool surfaces. Use with caution.





998.001.01



998.001.03

Prolonged use 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	2	998.001.03

Contact our Sales Department to learn more about our delivery terms and minimum order requirements.

- Removes pitch, resin, and other sticky residues from all wood cutting tools (circular saw blades, router bits, drill bits, knives, planer blades, etc.).
- It can be applied with a spray bottle or used in cleaning preparations for ultrasonic washers (50°C, 15 minutes) or immersion tanks.
- Spray on tool surface and allow to soak in for a few minutes. Wipe clean with a cloth, rag or sponge.
- No rinsing required after cleaning, because protects against rust and corrosion, preventing rust formation even on saw table surfaces.

Formula 998: Lubricant for Wood, *Neutralizes Resin*

998

- **Formula 998**: Lubricant for Wood, reduces friction caused by wood resin build-up.
- Reduces friction caused by pitch and resin build-up, and prevents chips and sawdust from adhering to workpieces.
- Anti-corrosive properties are ideal for application on worktables.
- Highly effective against moisture.

Watch the video on YouTube

DESCRIPTION		ORDER NO.
1 lt. spray bottle	12	998.002.01
5 lt. plastic jug	2	998.002.03

Contact our Sales Department to learn more about our delivery terms and minimum order requirements.



998.002.01





998.002.03



DIRECTIONS FOR USE: Apply the product directly to machine parts. This creates a protective lubricating layer that facilitates the smooth sliding of wood pieces, prevents sticking, and neutralizes all types of physical and chemical adhesion.
Mineral oil-based product, silicone-free.

Latex Coated Gloves

These protective gloves are not only comfortable but offer high elasticity, impressive grip as well as good resistance to abrasion, perforation and tears. CE Certified and Mechanical Hazards EN 388:2016 compliant (2132X). Available in three sizes!



GLA



DESCRIPTION		ORDER NO.
Latex coated gloves M (8)	25	GLA-08M
Latex coated gloves L (9)	25	GLA-09L
Latex coated gloves XL (10)	25	GLA-10XL

CMT Professional Tool Bag

BAG-001

- 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

DESCRIPTION		ORDER NO.
CMT Professional Tool Bag	12	BAG-001





5 rubber studs at bottom



Carpenter Pencil & Ink Pen

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 high precision tracing and marking virtually any surface. Easy to erase.
Strong break-resistance lead center withstands rough handling as well as the rigours and extreme conditions of the construction environment.

PCL-1



PCL-2

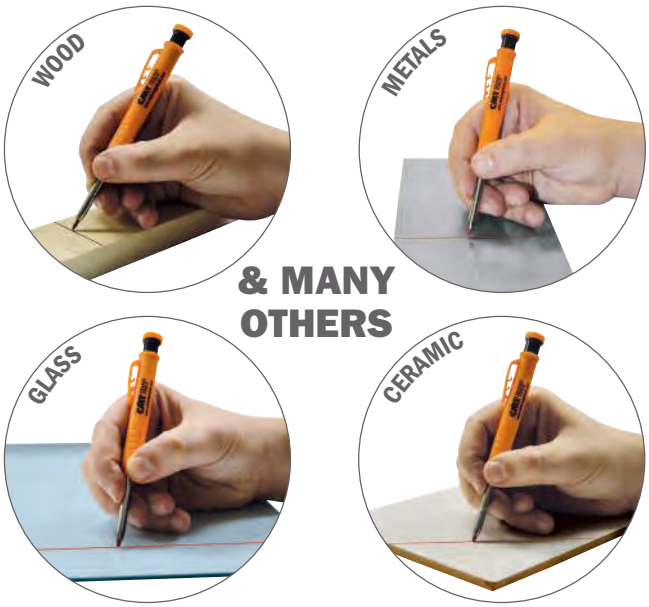


DESCRIPTION		ORDER NO.
Carpenter Pencil	50	PCL-1
CMT Ink Pen	50	PCL-2

Deep Hole Mechanical Marker

- Tip length 45mm (05.7mm) for marking tight and hard to reach places.
- Push-feed button for automatic lead advancement with built-in sharpener.
- CMT refills Ø2.8mm insertable at tip or opposite end.
- Sturdy metal body and handy pocket clip.
- Marks a variety of surfaces, rough or smooth, dry, wet or dusty.
- CMT refills available in Graphite (2B) or Crayon (red & yellow), each marker includes one graphite lead.
- **Graphite** ideal for marking: Paper, Wood, Laminates, Masonry, Stone and Artificial Stone, Metals and Non-Ferrous Metals.
- **Crayon*** ideal for marking: Plastics, Ceramic, Glass, Paper, Wood, Laminates, Masonry, Stone and Artificial Stone, Metals and Non-Ferrous Metals.

*Colored leads are made of wax, which means they are softer and more fragile than graphite leads. Handle them with care.



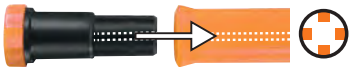
PCL-3D



DESCRIPTION	ORDER NO.
Deep Hole Mechanical Marker (display)	PCL-3D
Set contains	
24 pcs. PCL-3 Deep Hole Mechanical Marker	
8 pcs. PCL-3B Graphite Refills Leads (6 pcs.)	
4 pcs. PCL-3C Graphite (2 pcs.) & Crayon Refills Leads (2 pcs. red + 2 pcs. yellow)	



WARNING:
Avoid breakage!
To close after refilling, carefully align the four grooves inside of pen barrel and cap.



Align the 4 grooves

DESCRIPTION		ORDER NO.
Graphite Refills Leads (6 pcs.)	20	PCL-3B
Graphite (2 pcs.) & Crayon Refills Leads (2 pcs. red + 2 pcs. yellow)	20	PCL-3C



PCL-3C

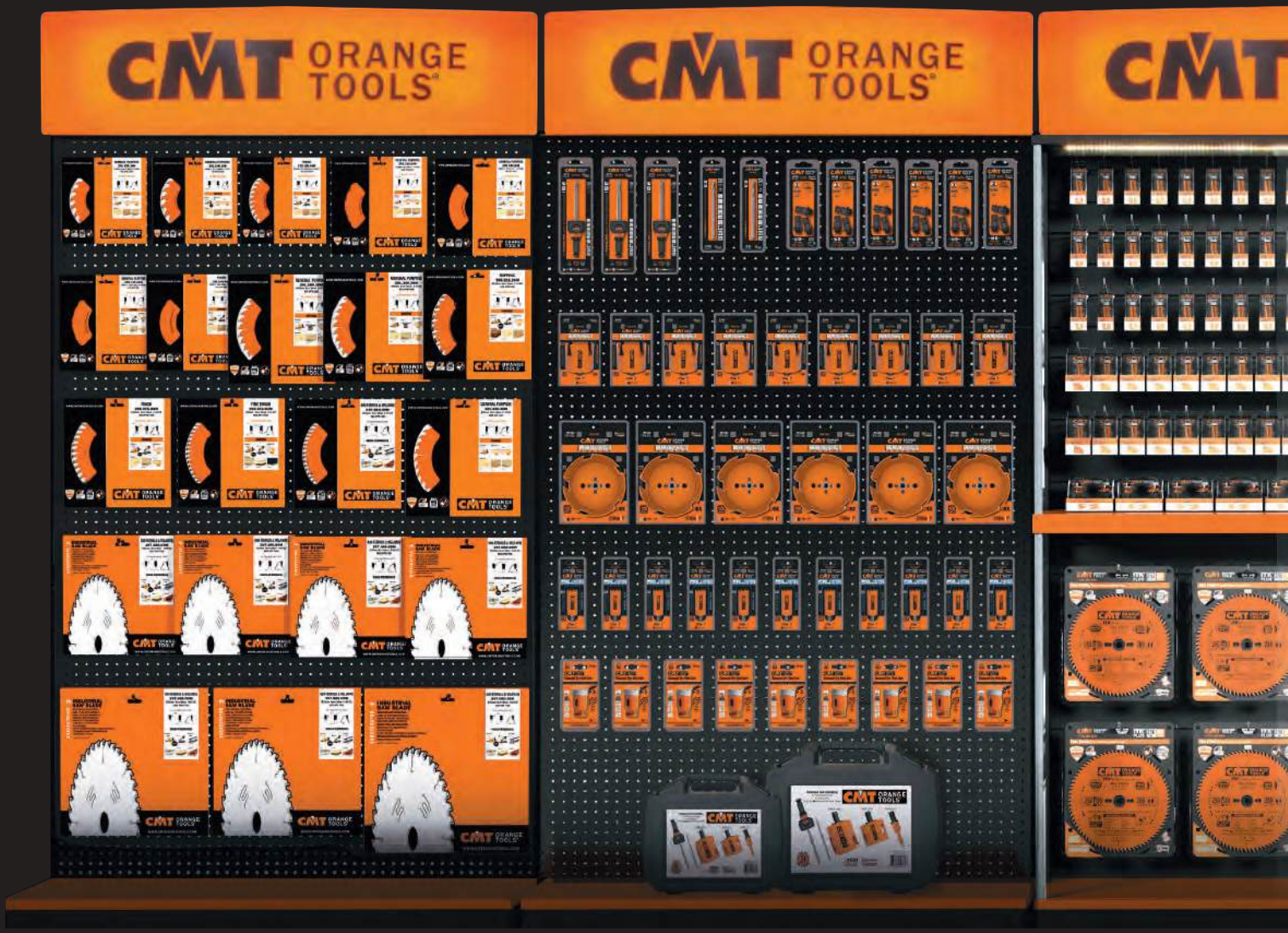


2 PCS 2B GRAPHITE
2 PCS YELLOW CRAYON
2 PCS RED CRAYON

PCL-3B



6 PCS 2B GRAPHITE


CMT ORANGE TOOLS
CMT ORANGE TOOLS
CMT

DISPLAY CABINETS



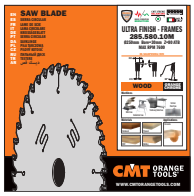
PRODUCTS	PAGE
Display Cabinets for Saw Blades	428
Display Cabinets for Sabre & Jig Saw Blades	429
Display Cabinets for Multi-Cutters	430
Display Cabinets for Router Bits	431
Display Cabinets for Drill & Boring Bits	432
Display Cabinets for Hole Saws	433
Display Cabinets for Router Bits & Forstner Bits	434
Mini Counter Display for Multi Tools	435

Display Cabinets for Saw Blades

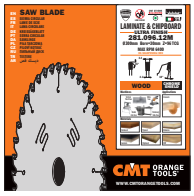
A sturdy steel saw blade display cabinet equipped with a backlight to place anywhere in your store. Hang and display a variety of different saw blades. Contact your CMT representative to seek advice on the most effective sawblade display composition for your needs. **Tools not included.** Dimensions in cm.

SUITABLE FOR ALL BLADE TYPES

ORANGE CHROME



XTREME



NON-STICK ORANGE SHIELD COATING

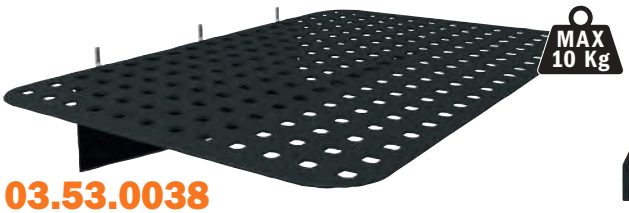


ITK PLUS®



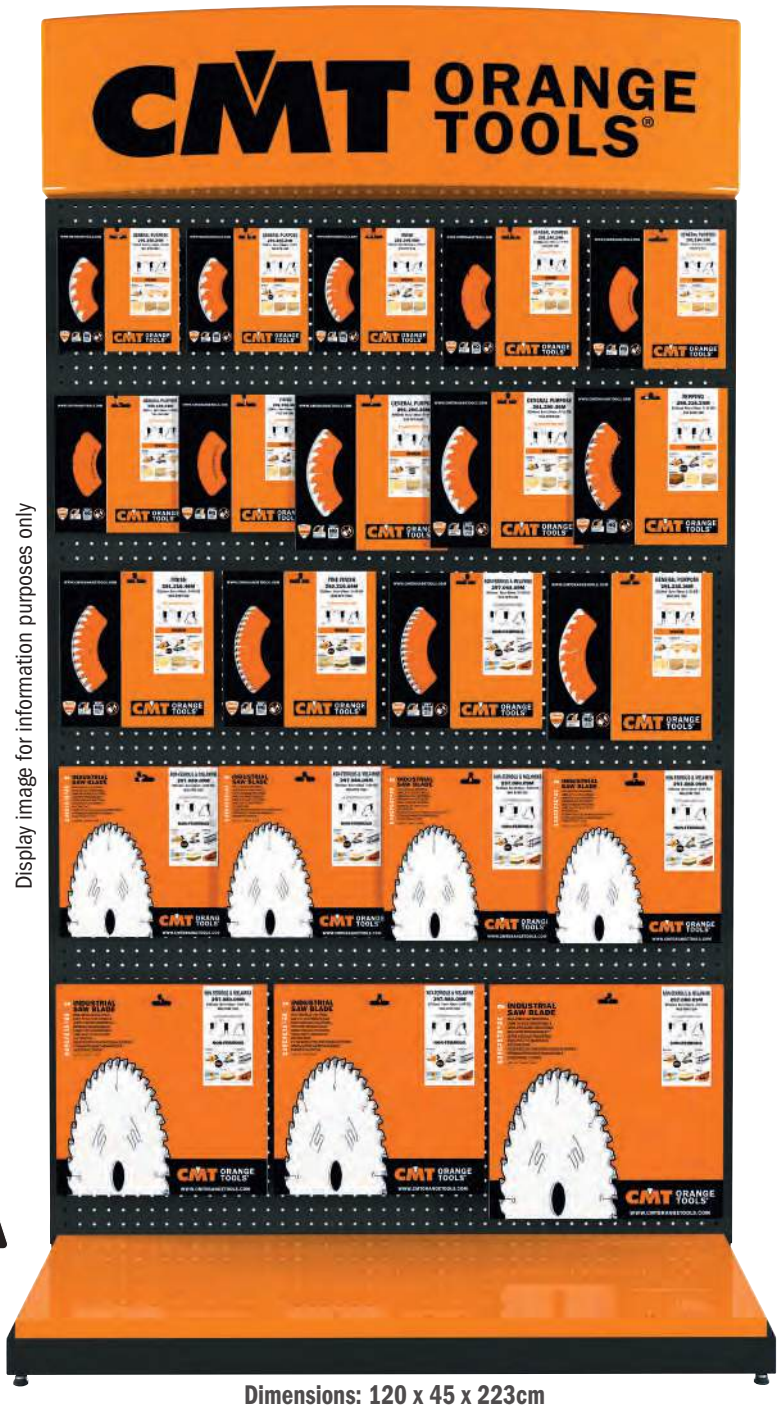
CMT CONTRACTOR TOOLS





03.53.0038
Minimum order 2-pieces or multiple
For use with display cabinets 03.00.0038 and 03.00.0045

03.00.0038



Display image for information purposes only

Dimensions: 120 x 45 x 223cm

DISPLAYS THAT SELL!



03.53.0011-X24
(150mm)



03.53.0012-X24
(50mm)

DESCRIPTION	ORDER NO.
Display Cabinet with backlight (220V) for saw blades (blades and hooks not included - sold separately)	**03.00.0038**
Hooks 50mm. (24 pcs. pack)	**03.53.0012-X24**
Hooks 150mm. (24 pcs. pack)	**03.53.0011-X24**
Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045	**03.53.0038**
Lighted header sign CMT ORANGE TOOLS (220V) ***(spare parts)***	**03.54.0084**
LED TUBE (220V) for sign display ***(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.** Dimensions in cm.

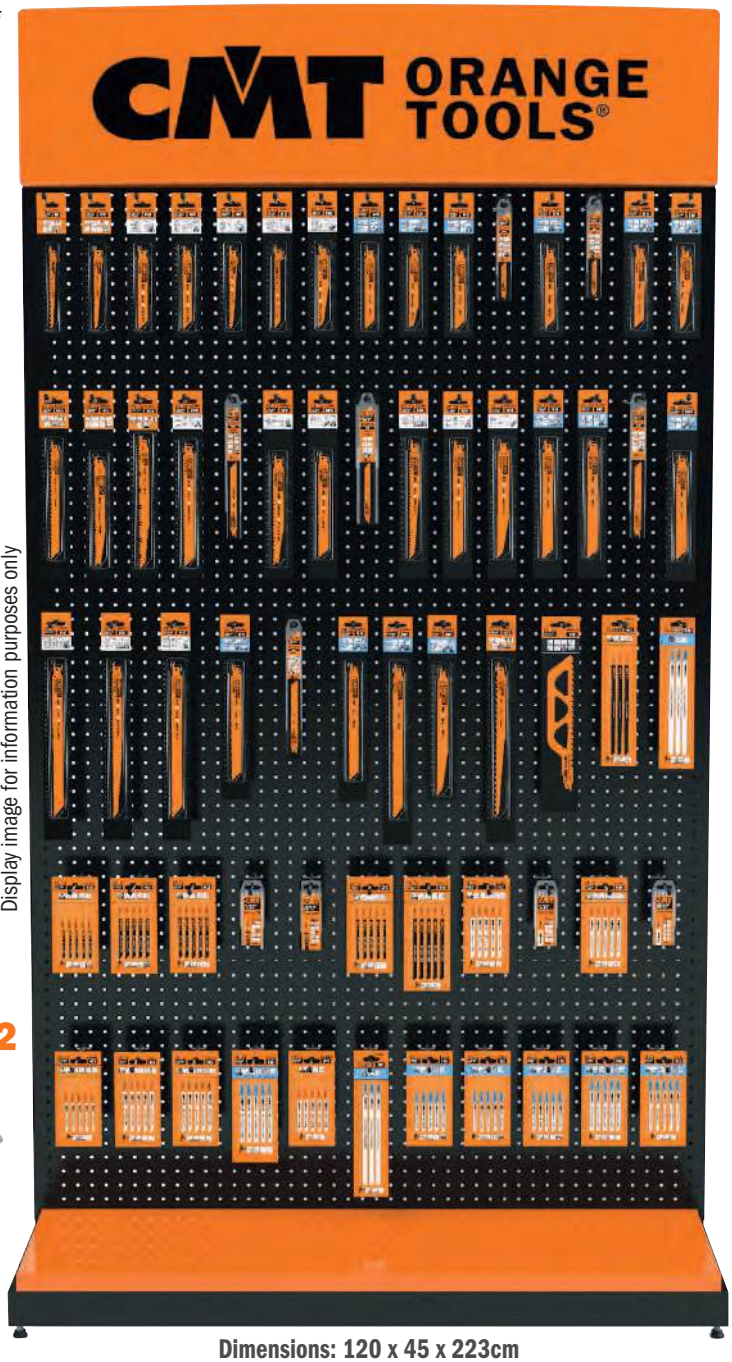
IMBALL0143

Cardboard counter 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 countertops, existing shelves or free-space inside CMT 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



Display image for information purposes only

Dimensions: 120 x 45 x 223cm





BULK PACK 5 PCS.



BULK PACK 25 PCS.



BULK PACK 5 PCS.



BULK PACK 20 PCS.

03.53.0020-X12

(50mm, for JS)



03.53.0012-X24

(50mm)



03.53.0011-X24

(150mm)



DESCRIPTION	ORDER NO.
Cardboard Counter display only (blades not included)	**IMBALL0143**
Display cabinet with backlight (220V) for sabre and jig saw blades (blades and hooks not included - sold separately)	**03.00.0038**
Hooks 50mm. (24 pcs. pack)	**03.53.0012-X24**
Hooks 50mm. for JS (12 pcs. pack)	**03.53.0020-X12**
Hooks 150mm. (24 pcs. pack)	**03.53.0011-X24**
Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045	**03.53.0038**
Lighted header sign CMT ORANGE TOOLS 220V ***(spare parts)***	**03.54.0084**
LED TUBE 220V for sign display ***(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.** Dimensions in cm.





OMF LINE

new ECO PACK





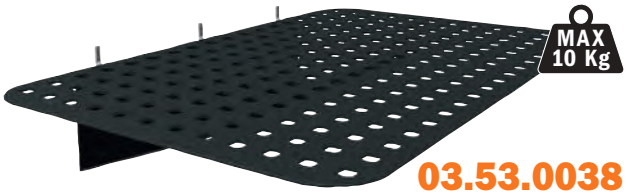
OMM LINE



03.53.0011-X24
(150mm)



03.53.0012-X24
(50mm)



03.53.0038
Minimum order 2 pieces or multiple
For use with display cabinets 03.00.0038 and 03.00.0045

03.00.0038



Display image for information purposes only

Dimensions: 120 x 45 x 223cm

DISPLAYS THAT SELL!

DESCRIPTION	ORDER NO.
Display cabinet with backlight (220V) for multi-cutters (tools and hooks not included - sold separately)	**03.00.0038**
Hooks 50mm. (24 pcs. pack)	**03.53.0012-X24**
Hooks 150mm. (24 pcs. pack)	**03.53.0011-X24**
Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045	**03.53.0038**
Lighted header sign CMT ORANGE TOOLS 220V ***(spare parts)***	**03.54.0084**
LED TUBE 220 V for sign display ***(spare parts)***	**03.54.0097**

Display Cabinet for Router Bits

This sturdy piece 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 section can perfectly fit 10 of the most popular boxed sets or saw blades, if required.
Glass doors are secured with key lock.



DELUXE PACKAGING
RECLOSEABLE AND REUSABLE



03.53.0012-X24
(50mm)



03.53.0042-X24
(150mm)



03.53.0017
Tool Shelf (270x209x1,5mm)
Display cabinet accomodates up to 40 shelves.

03.00.0042



Display image for information purposes only

Dimensions: 120 x 31 x 223cm

DESCRIPTION	ORDER NO.
Display cabinets complete with: 246 HW router bits (S=Ø6mm), 66 spare parts (your choice of saw blades) and assorted hooks	**700.300.00L**
Display cabinets complete with: 246 HW router bits (S=Ø8mm), 66 spare parts (your choice of saw blades) and assorted hooks	**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 (tools and hooks not included - sold separately)	**03.00.0042**
Hooks 50mm. (24 pcs. pack)	**03.53.0012-X24**
Hooks 150mm. (24 pcs. pack)	**03.53.0042-X24**
Tool shelf (270x209x1.5mm) for CMT display cabinet 03.00.0042 (sold separately)	**03.53.0017**
LED TUBE 220V for sign display (spare parts)	**03.54.0097**
Set of 2 pieces of 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 TOOLS 220V ***(spare parts)***	**03.54.0084**

03.00.0042

Build up your stock of CMT Drill and Boring bits now by ordering this convenient display case! Get organized and keep your tools within reach and visible! 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.** Dimensions in cm.

- **Fit Top Selling 120 SKUs.**
- **Fit up to 20 Deep**
- **Secured Glass with Key Lock**

XTREME BORING BITS







Display image for information purposes only

Dimensions:
120 x 31 x 223cm

03.53.0017

Steel shelf for Drill & Boring bits.
Fit up to 40 shelves into one 03.00.0042 display case.
Fastening screw to secure bits on shelf: **990.010.00**

Dimensions: 270 x 209 x 1.5mm

DISPLAYS THAT SELL!

DESCRIPTION	ORDER NO.
Display Cabinet for Drill and Boring Bits (Shelves, Bits & Screws not included - sold separately)	**03.00.0042**
Tool Shelf (270x209x1.5mm) for Display Cabinet 03.00.0042 (Bits & Screws not included - sold separately)	**03.53.0017**
LED TUBE 220V for Header Sign ***(spare parts)***	**03.54.0097**
220V LED STRIPS (2 pcs. set) for Display Cabinet ***(spare parts)***	**03.54.0089**
Set of 2 Metal Supports (RH-LH) for Header Sign ***(spare parts)***	**03.53.0109**
Illuminated Header Sign CMT ORANGE TOOLS 220V ***(spare parts)***	**03.54.0084**

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.** Dimensions in cm.

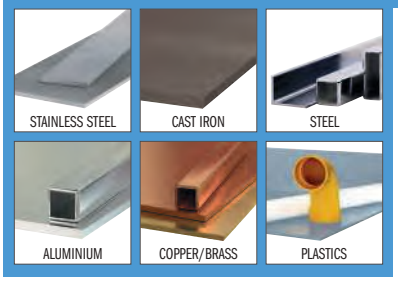
SERIES 550X: MULTI-PURPOSE





HW
10X LONGER LIFE
FASTER 5X

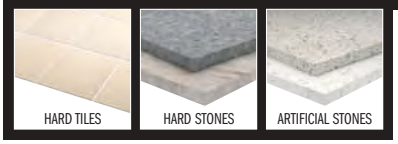
SERIES 551X: BI-METAL PLUS





BIM 8% Co
2X LONGER LIFE

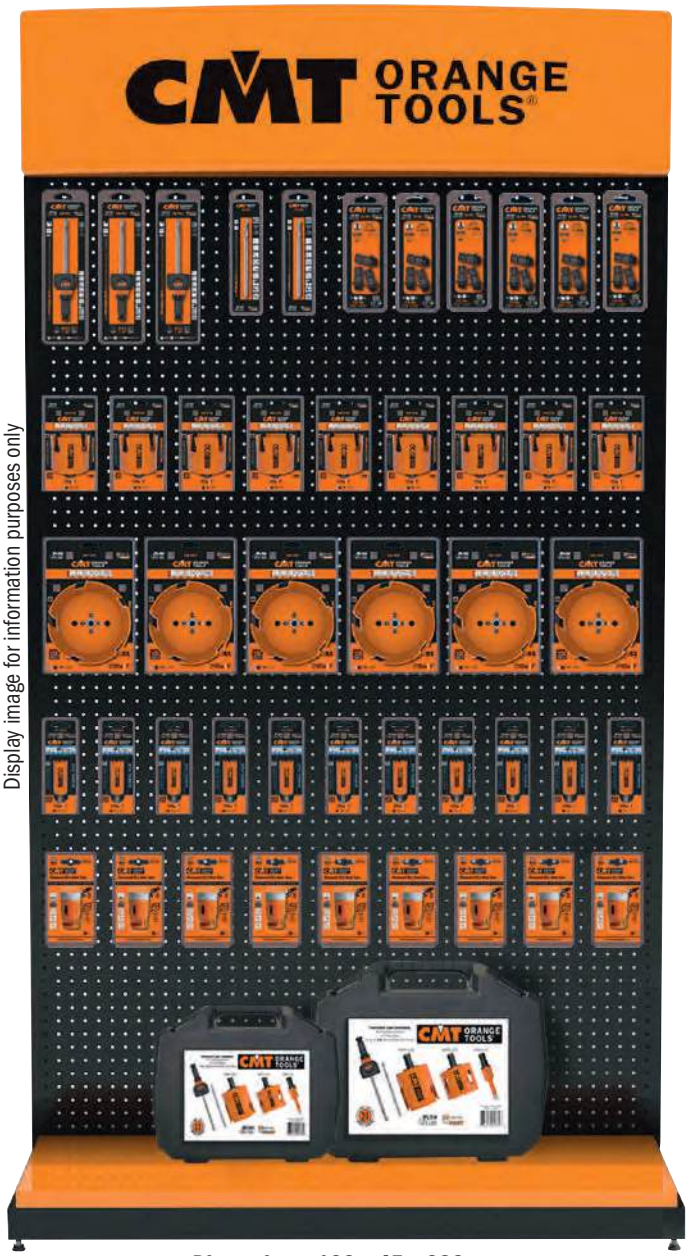
SERIES 552: DIAMOND DRY





GRIT
LONG LIFE

03.00.0038

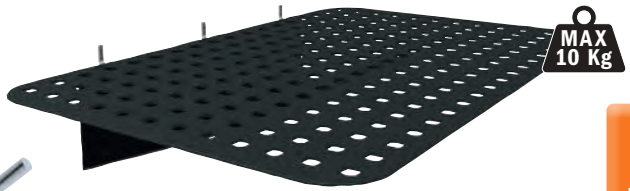


Display image for information purposes only

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
For use with display cabinets 03.00.0038 and 03.00.0045

DISPLAYS THAT SELL!

DESCRIPTION	ORDER NO.
Display cabinet with backlight (220V) (Hole Saws & Hooks not included, sold separately)	03.00.0038
Hooks 150mm. (24 pcs. pack)	03.53.0011-X24
Hooks 200mm. (24 pcs. pack)	03.53.0013-X24
Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045	03.53.0038
Illuminated Header Sign CMT ORANGE TOOLS 220V ***(spare parts)***	03.54.0084
LED TUBE 220V for Header Sign ***(spare parts)***	03.54.0097

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.

03.00.0002



03.00.0002



Display image for information purposes only



DELUXE PACKAGING
RECLOSEABLE AND REUSABLE





CLAMSHELL PACKAGING



03.53.0042-X24
(150mm)



03.53.0012-X24
(50mm)

DISPLAYS THAT SELL!

DESCRIPTION	ORDER NO.
Display cabinet with: 76 HW Router bits (S=Ø6mm), 8 spare parts (2 pcs. each) and assorted hooks	**700.084.00**
Display cabinet with: 76 HW Router bits (S=Ø8mm), 8 spare parts (2 pcs. each) and assorted hooks	**900.084.00**
Display cabinet for Router / Forstner bits (Tools & Hooks not included - sold separately)	**03.00.0002**
Hooks 50mm. (24 pcs. pack)	**03.53.0012-X24**
Hooks 150mm. (24 pcs. pack)	**03.53.0042-X24**

Mini Counter Display for Multi Tools

This simple yet attractive counter display will definitely increase sales because it improves visibilty. This cabinet shows off a variety of tools: jig saw blades, sabre saw blades, oscillating tools, router bits, Forstner bits, drill bits and hole saws. That's the best way to attract and encourage customers to buy! A sturdy steel body featuring our trademark orange colour makes for an ideal eye-catching counter-top display! **Tools not included.** Dimensions in cm.

03.00.0043





Dimensions: 35 x 56 x 16cm





Display image for information purposes only

03.00.0045



Dimensions: 38 x 145 x 35cm

Display image for information purposes only

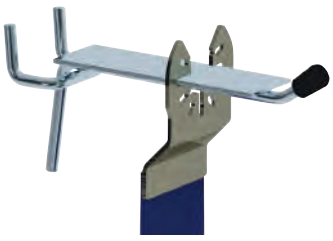
03.53.0020-X12

(50mm for JS)



03.53.0014-X12

(50mm for OMM & OMS)





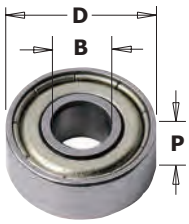
03.53.0012-X24

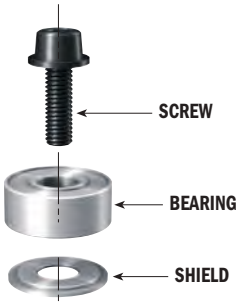
(50mm)

DESCRIPTION	ORDER NO.
Mini-Counter Display (Tools & Hooks not included - sold separately)	03.00.0043
Medium-sized Display Cabinet (Tools & Hooks not included - sold separately)	03.00.0045
Hooks 50mm. (24 pcs. pack)	03.53.0012-X24
Hooks 50mm. for OMM & OMS (12 pcs. pack)	03.53.0014-X12
Hooks 50mm. for JS (12 pcs. pack)	03.53.0020-X12
Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045	03.53.0038

BEARINGS

791





SAFETY RECOMMENDATIONS: **be sure to keep the black washer right side up so that it corresponds with the bearing rotation during reassembly.**

*** After resharpening, always switch to an undersized bearing:**

791.062.00 Ø9.3 **replaces** 791.002.00 (Ø9.5)
791.063.00 Ø12.5 **replaces** 791.003.00 (Ø12.7)

Sold in 10 pc. case.
Minimum 10 pc. or multiple orders.



****** DELRIN® CYLINDRICAL BEARINGS**



**** 10° DELRIN® CONICAL BEARINGS**

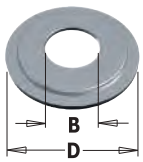


***** DELRIN® TRIANGULAR BEARINGS**

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
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
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
15.88	5/8	4.76	3/16	5	10	791.018.00
15.88	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
19.05	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	9.53	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		8		9	10	791.037.00
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****
15.88	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****
25.4	1	4.76	3/16	6.8	10	791.049.00****
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	6.8	10	791.043.00***

SHIELDS FOR BEARINGS

990

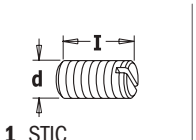


B mm	D mm			ORDER NO.
4.76	9.5		10	990.422.00
4.76	12.7		10	990.423.00
6.35	19		10	990.425.00
12.7	34.9		10	990.426.00

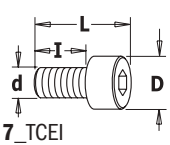
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

SCREWS 990





1_STIC



7_TCEI



2_STEI Flat



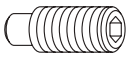
8_TSPEI



3_STEI Conical



9_TCPTI



4_STEI Pin



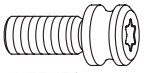
10_TSPTI



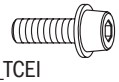
5_TCEI Guide



11_TBTI



6_WEEKE®



12_TCEI

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	M8x25x33	13	7	10	990.099.00
M5x10		1	10	990.003.00	1/8"x1/2"x5/8"	5.5	7	10	990.059.00
M2x4		2	10	990.113.00	M5x10x15	8.5	7	10	990.010.00
M4x4		2	10	990.016.00	M4x4x6	8	8	10	990.004.00
M4x20		2	10	990.091.00	M5x9x12	9.8	8	10	990.055.00
M5x4		2	10	990.015.00	M5x5x8	9	8	10	990.067.00*
M5x5		2	10	990.001.00	M6x8x10	8.8	8	10	990.083.00
M5x5 cupped tip		2	10	990.006.00	M6x8.7x12	12	8	10	990.116.00
M3x3		3	10	990.005.00	1/4"-20x7/8"	12	8	10	990.097.00
M5x5		3	10	990.002.00	1/8"x3/8"x1/2"	7	12	10	990.058.00
M6x6		3	10	990.007.00	M5x11.5x17	8 T20	6	10	990.088.00
M4x3		3	10	990.013.00	M3x4x5.7	4.5 T8	9	10	990.082.00
M4x4		3	10	990.014.00	M2.5x3x4.5	3 T7	10	10	990.070.00
M6x5		3	10	990.009.00	M2.5x4.5x6	3.7 T8	10	10	990.071.00
M6x8		4	10	990.087.00	M4x2x3.2	6 T9	10	10	990.079.00
M6x10		4	10	990.106.00	M5x3.6x6.1	8.8 T25	10	10	990.080.00
M6x16		4	10	990.066.00	M5x5x8	9 T25	10	10	990.093.00
M6x20		4	10	990.084.00	M5x13x18	6.8 T15	10	10	990.063.00
M8x12		4	10	990.065.00	M3.5x3.5x6	6 T15	11	10	990.072.00
M8x16		4	10	990.064.00	M3.5x4.8x6.8	6 T15	11	10	990.115.00
M8x20		4	10	990.086.00	M4x5.5x8	7.4 T20	11	10	990.094.00
M5x5x9	6	5	10	990.068.00	M3.5x5x7.2	9 T15	11	10	990.073.00
M2.5x6x8.5	4.5	7	10	990.062.00	M3.5x6x8,5	7 T15	11	10	990.077.00
M3x6x9	5.5	7	10	990.051.00	M4x3.5x5.7	9 T15	11	10	990.074.00
M3x10x13	5.5	7	10	990.053.00	M4x4x6.2	6 T15	11	10	990.076.00
M3x16x19	5.5	7	10	990.054.00	M4x4x6.2	8.8 T15	11	10	990.056.00
M4x6x10	7	7	10	990.052.00	M4x6x8	6 T15	11	10	990.078.00
M4x12x16	7	7	10	990.061.00	M4x6x8.2	9 T15	11	10	990.075.00
M6x25x31	10	7	10	990.098.00					

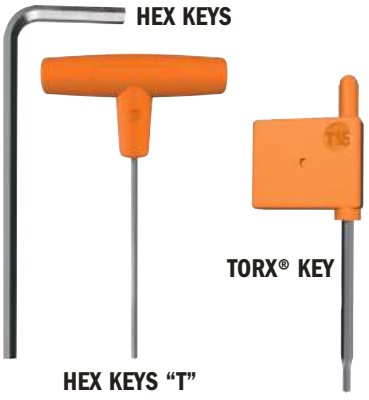
* Slotted head screw

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

KEYS FOR SCREWS 991



DESCRIPTION		ORDER NO.	DESCRIPTION		ORDER NO.
HEX KEYS			3x90x135mm	10	991.083.00
0.9mm (for screw M2)	10	991.055.00	4x50x95mm	10	991.081.00
1.5mm (for screw M3)	10	991.056.00	4x100x145mm	10	991.084.00
2mm (for screw M4)	10	991.060.00	TORX® KEY		
3/32" (for screw 1/8W)	10	991.057.00	T7	10	991.074.00
2.5mm (for screw M5)	10	991.062.00	T8	10	991.063.00
3mm	10	991.067.00	T9	10	991.069.00
4mm	10	991.064.00	T15	10	991.061.00
5mm	10	991.065.00	T20	10	991.072.00
6mm	10	991.066.00	T25	10	991.073.00
HEX KEYS "T"			T30	10	991.071.00
3x40x85mm	10	991.082.00			

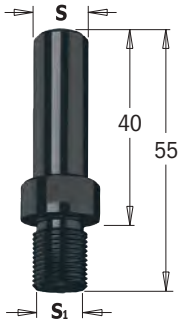
STOP COLLARS 541



B mm		ORDER NO.	B mm		ORDER NO.
3.175	10	541.009.00	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			

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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:
- 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:
- Strength steel.
- Precisely machined for accuracy.

Collet not included.

ROUTER CHUCK EXTENSIONS WITH COLLET 796.001/002

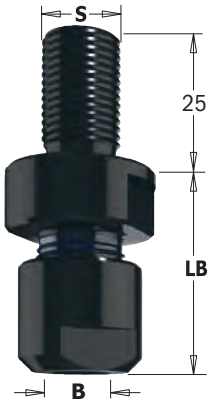


S mm	COLLET INCLUDED mm	FOR COLLETS mm	L mm		ORDER NO.
12	8	6 - 6.35 - 8 - 9.5	81	10	796.002.01
12	12	10 - 12 - 12.7	88	10	796.002.00
12.7	6.35	6 - 6.35 - 8 - 9.5	81	10	796.001.01
12.7	12.7	10 - 12 - 12.7	88	10	796.001.00

TECHNICAL DETAILS:
- 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:
- Strength steel.
- Precisely machined for accuracy.

Collet not included.

COLLETS 796.500/600



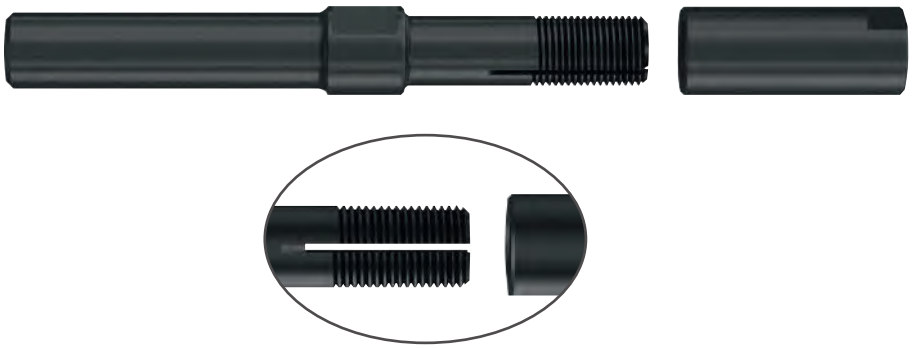
B mm		ORDER NO.	B mm		ORDER NO.
6	10	796.560.00	10	10	796.600.00
6.35	10	796.564.00	12	10	796.620.00
8	10	796.580.00	12.7	10	796.627.00
9.5	10	796.595.00			

ROUTER CHUCK EXTENSION 796.003



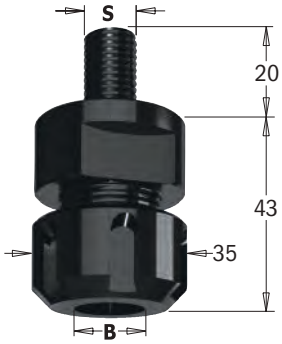
S mm	B mm	L mm			ORDER NO.
12	8	100		10	796.003.08

TECHNICAL DETAILS:
- High strength resistant steel.
- Precisely machined for accuracy.



Collet not required.

"ER20" CHUCKS 796



S mm	FOR COLLETS 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:
- Strength steel.
- Precisely machined for accuracy.

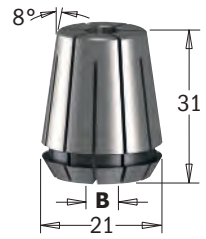
Collet not included.

SAFETY TIPS



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

"ER20" PRECISION COLLETS FOR 796.122/142/162 184



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



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

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

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BUSHINGS

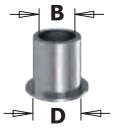
799



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					

REDUCTION BUSHING FOR BEARING

799



D mm	B mm			ORDER NO.
6.35	4.76		10	799.019.00
8	4.76		10	799.017.00
12.7	4.76		10	799.014.00
12.7	8		10	799.022.00

ARBORS

798

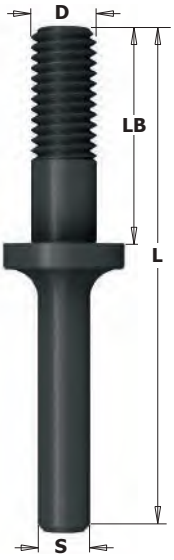


S mm	S1 mm			ORDER NO.
M10x1.5	M10x1.5		10	798.101.00
M10x1.5	M12x1		10	798.102.00
M12x1	M10x1.5		10	798.121.00
M12x1	M12x1		10	798.122.00

TECHNICAL DETAILS:
- Strength steel.
- Precisely machined for accuracy.

SLOT CUTTER ARBORS

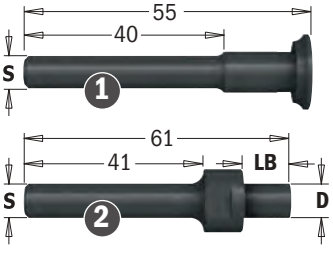
7/8/924



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	23	71	10				924.133.00	824.133.00
M8	26	61	10	724.060.00	824.064.00	924.080.00		
M8	26	67.5	10				924.120.00	824.127.00
M8	29.75	71	10				924.131.00	824.131.00
M8	35.5	71	10				924.132.00	824.132.00
M8	40	81	10				924.128.00	824.128.00
M8	40	86	10			924.083.00		
M8	41	85	10				924.136.00	824.136.00
M8	47	97	10				924.130.00	824.130.00
M8	57	100	10				924.137.00	824.137.00
M12	39.5	85	10				924.134.00	824.134.00
M12	54	97	10				924.129.00	824.129.00
M12	54.5	100	10				924.135.00	824.135.00

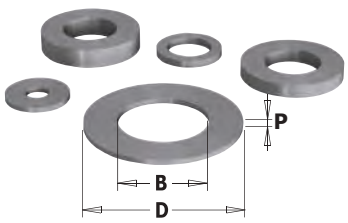
SLOT CUTTER ARBORS

7/8/924



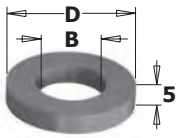
	L mm	D mm	LB mm		ORDER NO. S=Ø6mm	ORDER NO. S=Ø6.35mm	ORDER NO. S=Ø8mm		ORDER NO. S=Ø12.7mm
	ARBORS FOR 823 SLOT CUTTERS WITH COUNTERBORE								
1	55			10	724.061.00	824.061.00	924.081.00		824.121.00
2	61	8	11	10	724.062.00		924.082.00		824.122.00

SHIELDS FOR ASSEMBLY — 541

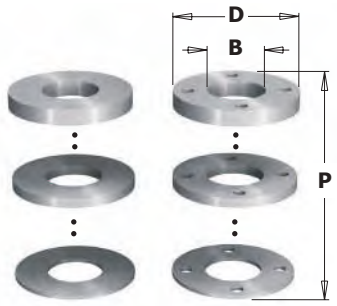


B mm	D mm	P mm		ORDER NO.	B mm	D mm	P mm		ORDER NO.
3.25	9	1.6	10	**541.550.00**	8	14.7	5.8	10	**541.519.00**
3.25	15.88	2	10	**541.552.00**	12	20	2	10	**541.512.00**
5.2	15.88	2.5	10	**541.551.00**	12	20	3	10	**541.511.00**
6.4	9.53	2.2	10	**541.514.00**	12	18	0.1	10	**541.526.00**
8	14	0.1	10	**541.515.00**	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**

SPACERS SET — 695.998



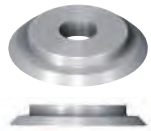
SPACER RING



SPACER SETS — SPACER SETS WITH PIN HOLE

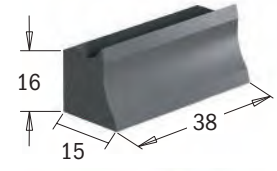
D mm	B mm	P mm	FOR CUTTER HEAD		ORDER NO.
SPACER RING					
30	60	5	694.021 - 694.022	1	**299.560.30**
31.75	60	5	694.021 - 694.022	1	**299.560.31**
35	60	5	694.021 - 694.022	1	**299.560.35**
40	60	5	694.021 - 694.022	1	**299.560.40**
50	70	5	694.021 - 694.022	1	**299.570.50**
SPACER SETS					
50	30	9	694.015	10	**695.998.01**
50	31.75	9	694.015	10	**695.998.02**
55	35	9	694.015	10	**695.998.03**
60	40	9	694.015	10	**695.998.04**
70	50	9	694.015	10	**695.998.05**
50	30	33	694.005	10	**695.998.11**
50	31.75	33	694.005	10	**695.998.12**
55	35	33	694.005	10	**695.998.13**
60	40	33	694.005	10	**695.998.14**
70	50	22	694.005	10	**695.998.15**
SPACER SETS WITH PIN HOLE					
65	30	8	694.001 & 694.015	10	**695.998.21**
65	31.75	8	694.001 & 694.015	10	**695.998.22**
65	35	8	694.001 & 694.015	10	**695.998.23**

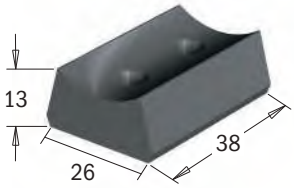
THREADED RINGS FOR 694.001 CUTTER HEADS — 695.996



DESCRIPTION		ORDER NO.
M4 (Ø10x1.6mm)	10	**695.996.01**
M4 (Ø12x1.7mm)	10	**695.996.02**

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**	42x11x9.5mm	10	**695.999.42**
38x15x16mm (for 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**

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13 Piece Router Bit Set	266
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Conversion Table

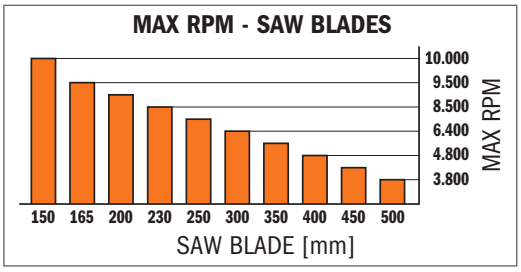
INCH DECIMALS	INCH FRACTIONS (x)						MILLIMETERS					
	1/64	1/32	1/16	1/8	1/4	1/2	mm	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
								25.400	50.800	76.200	101.600	127.000
0.015625	1/64						0.397	25.797	51.197	76.597	101.997	127.397
0.031250		1/32					0.794	26.194	51.595	76.994	102.394	127.794
0.046875	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

SAW BLADES SAFETY



WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING.
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- If necessary, use the reduction ring included with the blade and, in any case, use only CMT reduction rings. The thickness of the rings must always be less than the main blade body thickness.
- Ensure that the flanges to secure the blade, which must be of equal diameter, are at least 1/3 the blade diameter and are parallel to each other.
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.
- Resharpening must only be performed by a qualified and competent sharpening service center. Resharpened angles must match the original geometry of the manufacturer and therefore be compliant with all required safety regulations.



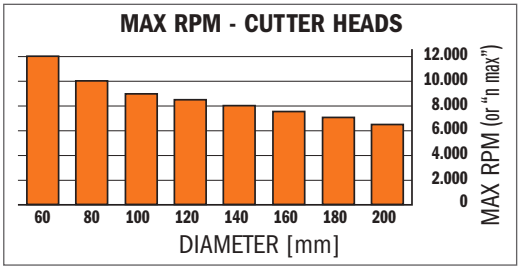
For specific RPM, follow marking on the tool/packaging.

CUTTER HEADS SAFETY



WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING.
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- Ensure that insert knives or movable parts are tightened and assembled correctly before use. If replacing/reversing them, only use the original screws supplied by the manufacturer.
- Ensure the tool is correctly installed, securely tightened, and aligned respecting the proper direction of rotation or direction. The cutting edges must not come into contact with each other or with any clamping components and should move freely without any obstructions.
- Follow the markings on the tool indicating the type of feed (MAN for manual or MEC for mechanical).
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.



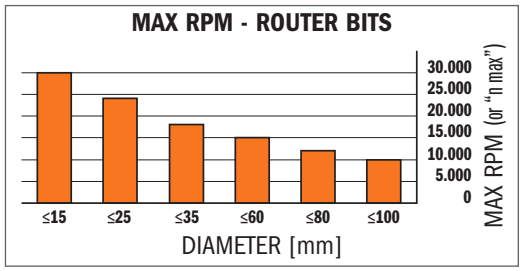
For specific RPM, follow marking on the tool/packaging.

ROUTER BITS, DOWEL DRILLS, BITS FOR DRILLS AND POWER TOOLS SAFETY



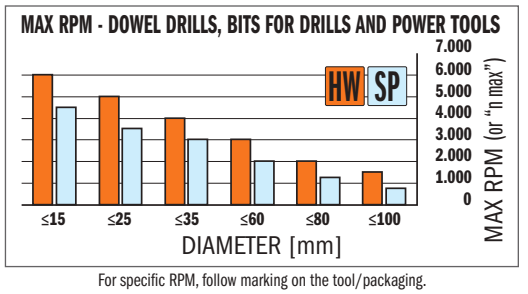
WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING. REMOVE ALL PACKAGING MATERIALS, INCLUDING PROTECTIVE PLASTIC ELEMENTS, FROM THE TOOL SHANK BEFORE USE.
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- Insert the tool into the collet according to the minimum clamping length marked on the shank or as per EN 847: S ≤ 10mm: Collet insertion ≥ 20mm; 10 < S < 25mm: Collet insertion ≥ 2 × S. Leave a minimum gap between the tool's end and the collet bottom.
- Ensure that insert knives or movable parts are tightened and assembled correctly before use. If replacing/reversing them, only use the original screws supplied by the manufacturer.
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.
- Resharpening must only be performed by a qualified and competent sharpening service center. Resharpened angles must match the original geometry of the manufacturer and therefore be compliant with all required safety regulations.



For specific RPM, follow marking on the tool/packaging.





For specific RPM, follow marking on the tool/packaging.

BEFORE USING ANY TOOL, PLEASE CAREFULLY READ ALL SAFETY RECOMMENDATIONS.

SCAN THIS QR CODE TO ACCESS THE "SAFETY AND RECYCLE" SECTION OF OUR WEBSITE, WHERE YOU'LL FIND:
· ALL THE SAFETY RECOMMENDATIONS FOR USING OUR TOOLS.
· RECYCLING GUIDELINES FOR PACKAGING.
BY CLICKING ON THE CORRESPONDING TOOL CATEGORY, YOU WILL FIND THE RECOMMENDATIONS IN 12 LANGUAGES.

Explanation of Symbols

HW HW TUNGSTEN CARBIDE TIPPED	HWM SOLID TUNGSTEN CARBIDE	INSERT CARBIDE INSERT CARBIDE	CARBIDE GRIT CARBIDE GRIT
PCD DP POLYCRYSTALLINE DIAMOND	GRIT DIAMOND GRIT		
INOX INOX	HSS HSS HIGH SPEED STEEL (HS)	HPS HIGH PERFORMANCE STEEL	HCS HIGH CARBON STEEL
SP ALLOYED TOOL STEEL	BIM 8% Co BIMETAL WITH 8% COBALT	BIM TiN BIMETAL WITH 8% COBALT + TIN COATED TEETH	
Z1 ONE CUTTING EDGE	Z2 TWO CUTTING EDGES	Z3 THREE CUTTING EDGES	Z3R THREE CUTTING EDGES WITH CHIPBREAKER
Z4 FOUR CUTTING EDGES	Z4R FOUR CUTTING EDGES WITH CHIPBREAKER	Z6 SIX CUTTING EDGES	Z12 TWELVE 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	Z6+3 SIX + THREE CUTTING EDGES	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	TOOL WITH BEARING
UP UPCUT BIT	DOWN DOWNCUT BIT	UP DOWN UPCUT & DOWNCUT BIT	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	SP 0.015 STANDARD PRECISION RUN-OUT 0.015	HP 0.005 HIGH PRECISION RUN-OUT 0.005	ANTIKICK-BACK
ORANGE CHROME CORROSION FREE CHROME SHIELD COATING ORANGE CHROME® & CHROME SHIELD	NON-STICK ORANGE SHIELD COATING NON-STICK ORANGE SHIELD COATING®	CORROSION FREE NICKEL COATING NICKEL COATING	EXTRA HARD DLCS CHROME COATING DLCS CHROME COATING
CORROSION FREE VAPO HEAT VAPO HEAT TREATMENT	CORROSION FREE TiCN COATING TICN COATING	SAW BLADE WITH DAMPENING SLOTS WITH FILL	SAW BLADE WITH DAMPENING SLOTS WITHOUT FILL
CARDBOARD BOX FOR SAW BLADES	CLAMSHELL CARRY CASE FOR SAW BLADES	PLASTIC CARRY CASE FOR SAW BLADES	PLASTIC BOX FOR CUTTER HEAD
LONG LIFE EXTRA LONG LIFE LONG LIFE & EXTRA LONG LIFE	2X CUTTING 4X CUTTING 2X/4X CUTTING EDGE	3X LONGER LIFE THAN UNCOATED 3X LONGER LIFE THAN UNCOATED	40X 50X 60X LONGER LIFE THAN CARBIDE 40X/50X/60X LONGER LIFE THAN CARBIDE
WEAR FIVE FINGER GLOVES	WEAR SAFETY GLASSES	WEAR EAR PROTECTION	WEAR DUST MASK
WEAR SAFETY SHOES	WEAR SAFETY HELMET	WARNING	

Conditions of trading

PREMISE **C.M.T**. products are the result of technological innovation achieved through continuous research applied on a vast scale. Drawings, technical data, photos of the products and packaging are supplied for the sole purpose of informing the customer and are not binding in any manner. **C.M.T.** may undertake, when necessary, modifications and improvements without applying these innovations to the parts already supplied. The operational tolerances conform to technical standards that are acceptable for this range of tools.

ACCEPTANCE OF THE CONTRACT All orders for our products are meant to be accepted at the price and sale conditions that are legally in force at the date of delivery.
Every order will be treated and supplied according to the following general sale conditions. By placing an order or accepting an offer, the customer accepts, without any reservations, all conditions expressly mentioned hereafter.
Any other derogation will only be accepted upon written consent by **C.M.T.** All other cases not contained within these conditions will fall under the Italian Civil Code.
Offers and order confirmations will be processed according to stock availability. Any order, even those taken by our representative agents, will be subject to our acceptance, which could also be a partial one.
We will notify the acceptance of any order by an order confirmation in which we will indicate all details pertaining to the items purchased, their price and expected delivery date. Therefore, we will not be able to accept any modification after three working days from the date of receipt.

MINIMUM AMOUNT ACCEPTABLE **C.M.T.** will only be able to accept and process orders for a minimum net amount of €100,00.
In case of acceptance of the order, we will add €15,00 for shipping and handling.

PRICES The prices stated in **C.M.T.'s** quotation and price lists are gross and are intended to be "ex-works".
Prices and VAT will be those in force at the date of shipping. To the best of our knowledge, the prices indicated in our catalogues, price lists and order confirmations are correct. However, **C.M.T.** cannot be held legally liable for reserving the right to change prices without notification in line with the manufacturer's cost increases.

DELIVERY Delivery dates in the order confirmation are given as an indication of the estimated delivery time. They have to be considered as reliable only in case of normal operating conditions, and there shall be no liability on the part of the Seller for any failure to deliver due to causes beyond the Seller's control. **C.M.T.** will also not be able to accept any cancellation of existing orders which were not delivered in time due to external impediments.
Standard products will be shipped within five working days from receipt of the order.

SHIPPING AND HANDLING The packing of our products will be charged on the final invoice, while shipping is "ex-works" from our factory at Chiusa di Ginestreto (Pesaro).
All products supplied by C.M.T. travel at the customer's own risk.
C.M.T. retains the right to charge freight costs on the invoice in case of value under the minimum amount acceptable of €100,00.
C.M.T. will not be held responsible for any damage, theft or tampering that might occur during transport, and for which the forwarder will be legally liable according to article 1693 of the Civil Code. The customer, for his part, will have to check the goods at the moment of receipt and, in case any anomaly or damage is found, he will have to apply for a refund to be addressed to the forwarder.

PAYMENT 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.
Deferred methods of payment will have to be previously agreed with the Seller. In this case, if one or more instalments are not paid, the agreement will automatically expire according to article 1186 of the Civil Code.
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.
In case of non payment, **C.M.T.** reserves the right to suspend any further supply of its products.

WARRANTY All professional tools by **C.M.T.** are manufactured according to high standards of technology and are therefore warranted against any possible defect. This warranty does not cover damage or tampering which can be ascribed to inappropriate use. It is also not applicable for tools that have been re-sharpened.
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.

CMT DEFECTIVE TOOLING OR SHIPPING ERROR RETURN POLICY CMT accepts the return of tools that are defective or have been shipped in error. All returned tools require proof of purchase, prior approval from a CMT Manager and a return authorization number, issued by C.M.T. UTENSILI SPA, PRIOR to returning.
10% restocking fee: If tooling is in like new condition (no damage to packaging or tooling, restrictions or other terms may apply).
Shipping: Returning dealer is responsible for all cost associated to shipping product back to CMT.

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PLACE OF JURISDICTION For any legal matter the place of jurisdiction is Pesaro.
All contracts, even those made with foreign Buyers or for goods to be sent abroad, are regulated by Italian legislation.

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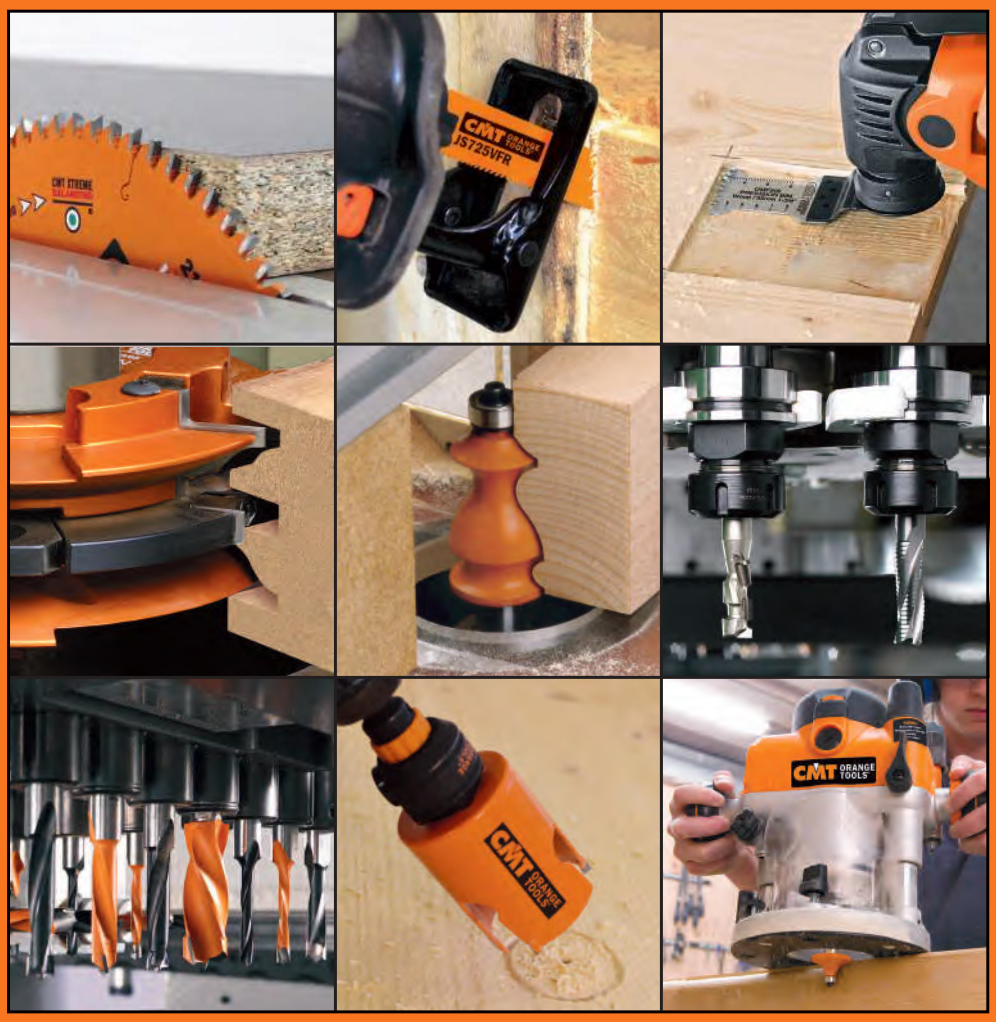
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CMT ORANGE TOOLS®



C.M.T. UTENSILI S.p.A.

Via della Meccanica, sn
61122 Pesaro (PU) - Italia

Tel. +39 0721 48571
Fax +39 0721 481021

info@cmtorangetools.com

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