

# **CMT** ORANGE TOOLS™



**Saw Blades**



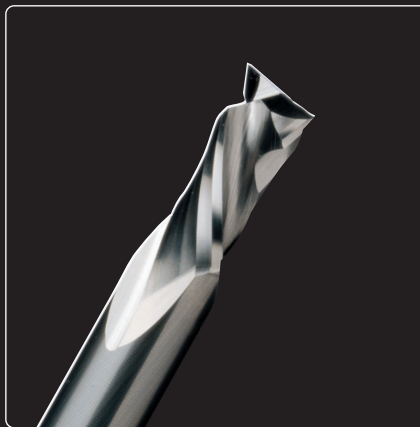
**Cutter Heads & Knives**



**Router Bits & Sets**



**Router Bits Sets**



**CNC Router Bits & Chucks**



**Dowel Drills**



**Boring Bits**



**Jigs & Accessories**



**Power tools**

*Catalog* **2012**

## Welcome to the 2012 catalog

*Dear customer,*

*Thank you for your interest in CMT products.*

*Browse our new catalog at your leisure and choose from a wider range of innovative and state-of-the-art woodworking tools, from router bits and sets, saw blades, CNC cutters, cutter heads, chucks, boring bits, power tools, and many more.*

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

*We continually strive to develop our technical know-how and invest in research and development, but our priority is customer care.*

*A satisfied customer is worth more than any other achievements, therefore each page of this catalog contains CMT's highest dedication to the professional woodworker.*

*Should you not find a product that is fitting your needs, please let us know.*

*Our highly skilled engineers and operators are eager to design it for you to assist you with your woodworking operations.*

*Thank you for your interest in CMT Orange Tools.*

**Your CMT Team**



## Abbreviations

<b>A</b>	= Cutting angle
<b><math>\alpha</math></b>	= Hook angle
<b>ATB</b>	= Alternate top bevel grind
<b>B</b>	= Bore diameter
<b><math>\beta</math></b>	= Type of grind
<b>C</b>	= Bearing diameter
<b>COMBI3</b>	= Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60
<b>COMBI5</b>	= Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120
<b>COMBI7</b>	= Pin-Hole 2/10/80 + 1/11/85 + 2/11/115 + 2/11/148 + 2/14/100 + 2/14/125 + 2/19/120
<b>D</b>	= Diameter
<b>D<sub>2</sub></b>	= Overall diameter
<b>D<sub>3</sub></b>	= For shank diameter
<b><math>\emptyset</math></b>	= Diameter
<b>d</b>	= Small cutting diameter
<b>FFT</b>	= Flat flat trapezoidal
<b>FTG</b>	= Flat top grind
<b>FWF</b>	= Flat with alternate chamfer
<b>H</b>	= Cutting depth
<b>HDF</b>	= Hollow ground teeth
<b>l</b>	= Cutting length
<b>l<sub>1</sub></b>	= Cutting length
<b>l<sub>2</sub></b>	= Cutting length
<b>Inches</b>	= Inches
<b>K</b>	= Kerf thickness
<b>L</b>	= Overall length
<b>LB</b>	= Adjusting length
<b>LH</b>	= Left-hand rotation
<b>MATB</b>	= Alternate top bevel with chamfer grind
<b>MTCG</b>	= Triple chip grind (trapezoidal) with chamfer
<b>mm</b>	= Millimeters
<b>P</b>	= Plate thickness
<b>PTFE</b>	= Non-stick industrial coating, black and orange
<b>R</b>	= Radius
<b>R<sub>1</sub></b>	= Radius
<b>RH</b>	= Right-hand rotation
<b>RPM</b>	= Round per minute
<b>S</b>	= Shank diameter
<b>T<sub>1</sub></b>	= Thickness / Maximum joint thickness
<b>TCG</b>	= Triple chip grind (trapezoidal)
<b>V</b>	= Spurs
<b>Z</b>	= Number of teeth
<b>□</b>	= On request
<b>●</b>	= Solid tungsten carbide



Saw blades

9~42

Saw blades



Tools with bore & knives

43~83

Tools with bore  
& Knives



Router bits & sets

84~174

Router Bits  
& Sets



CNC router cutters & chucks

175~208

CNC Router Cutter  
& Chucks



Industrial dowel drills

209~234

Industrial  
Dowel Drills



Bits for hand power tools

235~251

Bits for Hand  
Power Tools



Spare parts

252~256

Spare Parts



Power tools & accessories

257~283

Power Tools  
& Accessories



Display cabinets

284~289

Display Cabinets

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

By now, the story has been told. After over 40 years of success and quality in manufacturing woodworking tools - orange woodworking tools, to be precise - word just sort of gets around. We have grown and we have changed, but one thing still remains the same: our commitment to making only the highest quality woodworking tools.



Pesaro, Italy



Greensboro, United States



Valencia, Spain

**NEW! CMT Global Web Site!**

- Full line catalogue available on line
- Instructional video on select products
- Instruction manuals available for download
- Listing of authorized CMT distributors
- Company history, tech information, testimonial and more!

**CMT ORANGE TOOLS**

**THE ART OF CUTTING**

Market Area: Where are you from?

Language: Choose favourite:

News: [News](#) [WF 2008 - August 20-23, 2008](#) [Atlanta](#) [More news](#)

**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.

**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 live up to the specifications set out in the design - quality performance from the final product depends on it. When it comes to selecting raw materials, we don't cut corners. At CMT, we know that high quality tools come only from high quality raw materials, so we use only solid bar stock steel and specially formulated micrograin carbide to manufacture our bits and blades.

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

**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.

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



**QUALITY CONTROL** - Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and equipment to ensure that each bit has been manufactured with precision and accuracy and that it will give the long-lasting performance you expect from a CMT orange tool. CMT is in the process of adopting the directives set out in ISO 9001 which will give SPC quality control by an independent party under the Common Market Directives ISO 9001. Quality control is the final step of the production process, but it's just as important as the first.

**WE RECYCLE** - The water used during production must be pure and free from contaminants or hard minerals like iron or calcium which can build up and damage the machinery. 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.

**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.



Loading the automated multi-axis CNC sharpening machines.



Fully automated assembly and marking.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

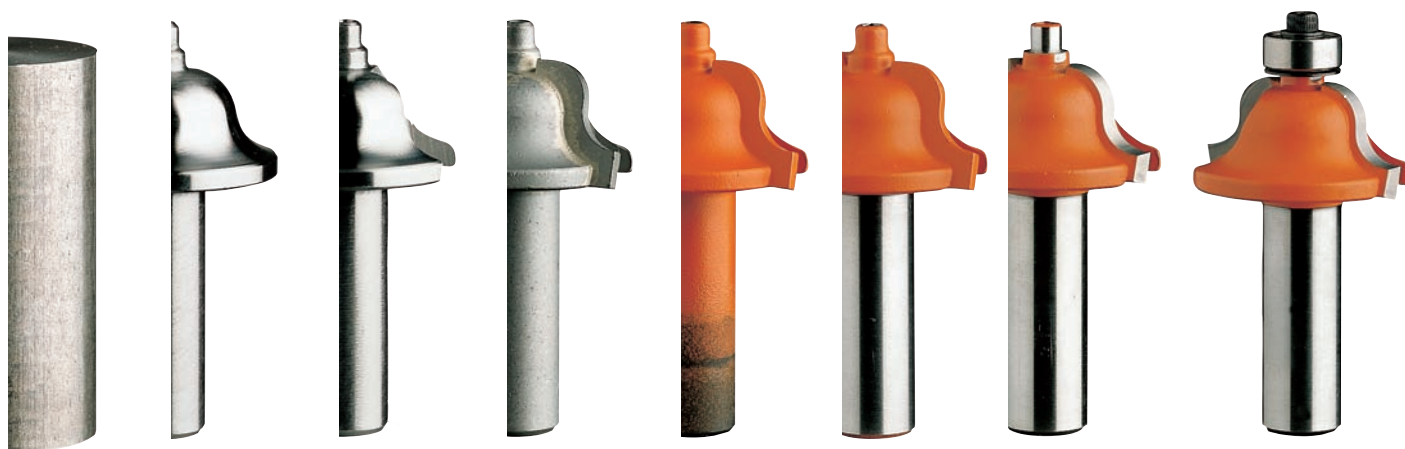
Spare Parts

Power Tools & Accessories

Display Cabinets

**BUILDING THE WORLD'S FINEST CUTTING TOOLS**

We built our foundations - and our reputation for high quality - on the craftsman-like manufacture of boring bits and router bits. Times have changed and technology has completely altered the way things are done, and in this regard CMT is no exception. Our facilities have been newly renovated and our equipment today represents the most advanced technology available on the market, but we still make and will continue to make routers and boring bits with all the skill and care that we always have.

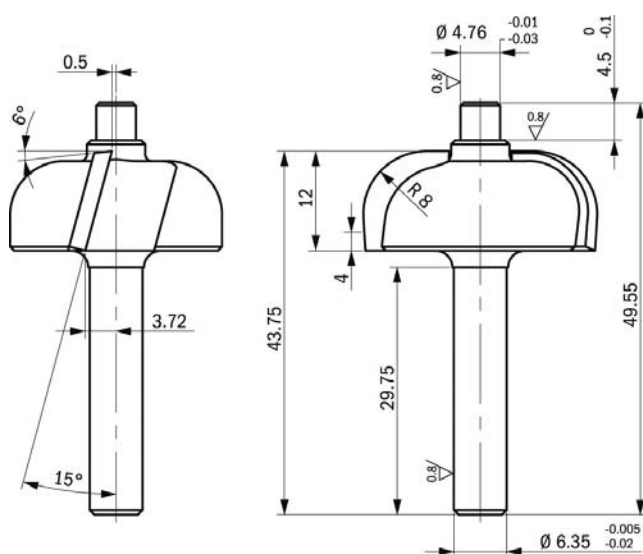


**DESIGN** - We engineer each tool with its purpose in mind. Years of developing high performance tools means that many of our top-selling tools are tried and true, the result of continuously perfecting each design, but we don't stop there. New materials, new profiles and new methods of working keep emerging. At CMT, we want to stay on the cutting edge of what's new in the industry so our technical department constantly evaluates current market developments and, by using state of the art software and years of experience, designs tools that are worthy of the CMT mark.

**MATERIALS** - Essentially, the main components of a router bit are just two: steel and carbide. If either of these is less than the best, the tool we make will show it. We've researched steel and carbide since the beginning, and found exactly what we were looking for:

► **Superior steel**

All our steel comes from right above the border, in Switzerland, where they use an exclusive hot drawing process to forge the solid bar stock we use to manufacture our router bit shanks and bodies. The result is steel that is superior in strength and exceptionally resistant to fatigue and abrasion.



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## ► 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 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 of material, so we make sure that our carbide tips can handle each individual job. This means specially formulating the carbide of each tool so that the compositions vary from being super hard (for tough cutting jobs like laminates) to being less hard (to absorb the impact when cutting large profiles) and everything in between.

► **Grinding and Sharpening** The final step in the production process is no different from the rest: sharpening and grinding are done to extreme precision on multi-axis CNC machines. Each bevel and angle is ground or sharpened to the micron, to produce a cutting edge that is both razor sharp yet extremely durable.



680°C in seconds - and the brazing is complete.

**QUALITY CONTROL** - In even the most carefully done task, there's always room for error. However at CMT, we take measures to prevent even this. Just like we have always done, we manually check the quality of our tools at each step of the manufacturing process, and we still make test cuts with rail & stile bits to make sure the cut fits. However, now we also use a fully automatic measuring process that measures every dimension of the tool without actually coming into contact with it, to make sure that the tool measurements are accurate and that the profiles conform precisely to technical specifications. We also use this system to gauge the wear and tear on the CNC machines.



CMT's fully automatic measuring system.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

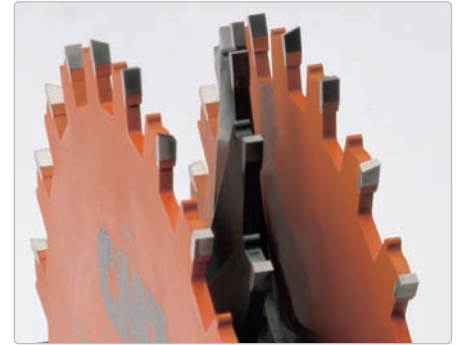
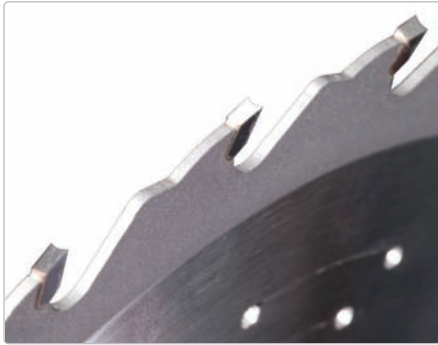
Power Tools & Accessories

Display Cabinets



## HOW WE PRODUCE OUR HIGH QUALITY BLADES

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



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

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

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



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

- ▶ **Steel** - It's the heart of the blade, so CMT uses only the finest steel available: super 42-44 Rockwell hardness steel.
- ▶ **Carbide** - The cutting tips of every CMT blade are made from the best grades of micrograin carbide.



Laser cutting the steel plates.

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

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

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

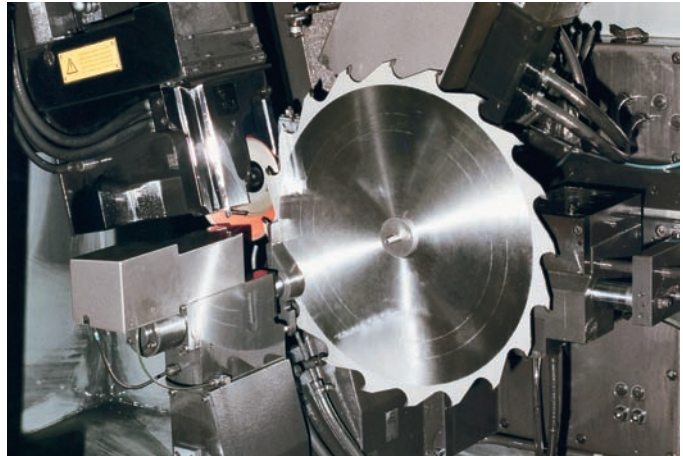


Grinding and tensioning the blades.

► **Silver-copper-silver sandwich brazing** - Once again, experience has been a good teacher. Automated brazing with a special silver-copper-silver "sandwich" brazing compound yields excellent results and reduces the chances of failed welds. In addition, this combination of metals is critical during brazing because as the steel body and the carbide tipped teeth are heated and cooled, they expand and contract at different rates. The copper layer acts as a buffer and keeps the carbide from cracking during cool down shrinkage. When wood-working, the copper provides flexibility and resistance to impact which in turn protects the carbide tips and steel shoulders when cutting through harder substances or knots in the wood.

► **Specially formulated carbide tips** - What is true for router bit carbide tips is also true for the carbide tips on saw blades: what's good for one type of blade may not be good for another. At CMT, we have studied carbide formulas and their impact on blade performance and have developed specially formulated carbide tips to match each blade's application. Larger blades require an extra-fine harder carbide that holds its edge and resharpenes easily, while smaller blades need a special carbide that can withstand the occasional nail or imperfections that often occur in construction work. For each blade and each use, there is carbide made especially for it.

► **Sharpening and laser marking** - The final step is sharpening the micrograin carbide teeth. During the sharpening phase, each angle is ground to razor-sharp precision - down to the Milacron - on multi-axis CNC machines. We also laser mark our blades so you have all the details about the blade type and its uses, right there on the blade.



Sharpening the carbide tips.

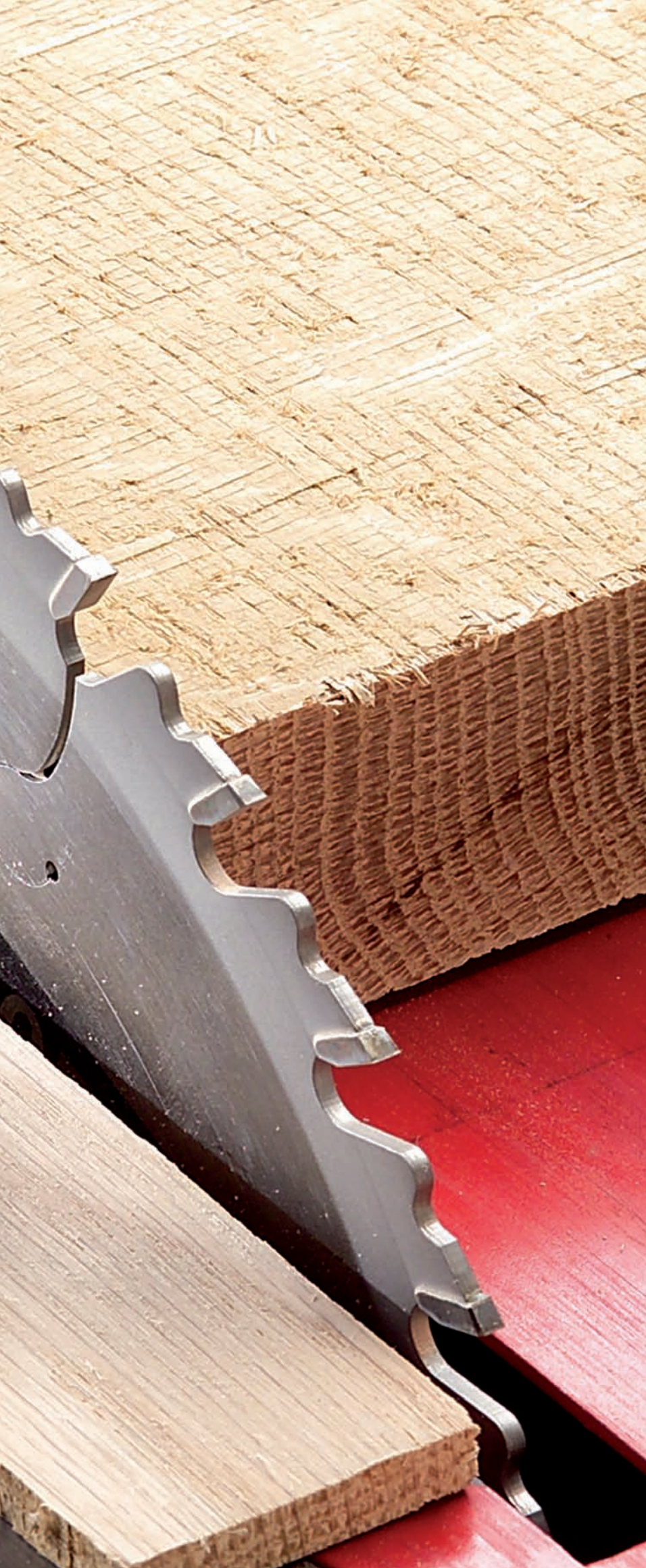
► **Packaging and instructions** - CMT blades are packed and protected for shipping, display and storage in either a sturdy cardboard box or in a patented heavy duty HDPE plastic case that's as durable as our tools. Illustrated instructions for resharpening are included with your CMT blade so that you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



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



# Saw blades



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# Thin-kerf multi-rip saw blades with rakers

industrial line



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

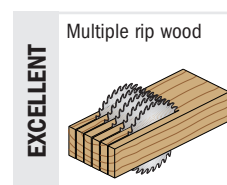
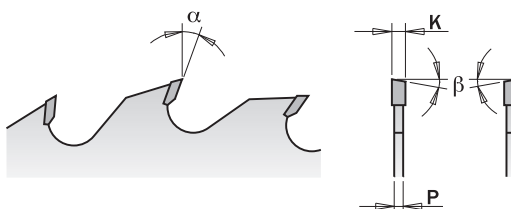
## 280



**APPLICATION:** for rip cuts where the thin-kerf reduces material wastes.  
**MACHINES:** multi-rip machines with one or two shafts.  
**MATERIAL:** wet or dry hardwood.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 10
- Grade ISO: K20
- Hardness (HV10): 1.640
- Transverse rupture strength (N/mm<sup>2</sup>): 2.200



D mm	B mm	Key way mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
180	40		21+3	2,5	1,8	18°	FLAT	<b>280.021.07S</b>
200	40		21+3	2,5	1,8	18°	FLAT	<b>280.021.08S</b>
250	70	21 x 5	20+4	2,7	1,8	18°	10° ATB	<b>280.020.10V</b>
250	80	13 x 5	20+4	2,7	1,8	18°	10° ATB	<b>280.020.10W</b>
300	70	21 x 5	24+4	2,7	1,8	18°	10° ATB	<b>280.024.12V</b>
300	80	13 x 5	24+4	2,7	1,8	18°	10° ATB	<b>280.024.12W</b>

# Thin-kerf multi-rip saw blades with rakers

industrial line



Spare Parts

Power Tools & Accessories

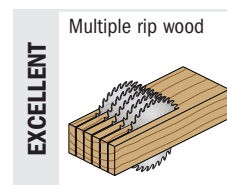
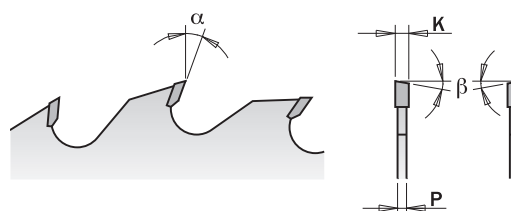
## 277



**APPLICATION:** for rip cuts. Mounted on the sides of gang rip saws, these act as shoulder saw blades and help ensure stability and reduce vibrations under extreme work load.  
**MACHINES:** multi-rip machines with one or two shafts.  
**MATERIAL:** thick wet or dry hardwood.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 10
- Grade ISO: K20
- Hardness (HV10): 1.640
- Transverse rupture strength (N/mm<sup>2</sup>): 2.200



D mm	B mm	Key way mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
300	30		24+4	4,0	2,8	18°	10° ATB	<b>277.024.12M</b>
300	70	21 x 5	24+4	4,0	2,8	18°	10° ATB	<b>277.024.12V</b>
300	80	13 x 5	24+4	4,0	2,8	18°	10° ATB	<b>277.024.12W</b>
350	30		24+6	4,2	2,8	18°	10° ATB	<b>277.024.14M</b>
350	70	21 x 5	24+6	4,2	2,8	18°	10° ATB	<b>277.024.14V</b>

# Multi-rip saw blades with rakers

industrial line



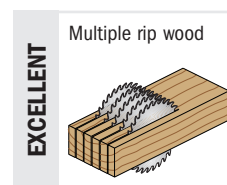
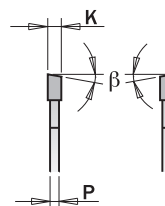
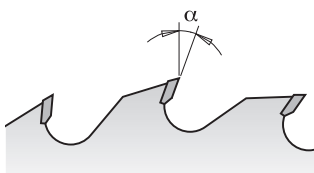
## 279



**APPLICATION:** for rip cuts where the rakers prevent the wood contact with the steel plate.  
**MACHINES:** multi-rip machines with one or two shafts.  
**MATERIAL:** wet or dry soft and hardwood.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 10
- Grade ISO: K20
- Hardness (HV10): 1.640
- Transverse rupture strength (N/mm<sup>2</sup>): 2.200



D mm	B mm	Key way mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
250	30		20+4	3,2	2,2	18°	10° ATB	<b>279.020.10M</b>
250	70	21 x 5	20+4	3,2	2,2	18°	10° ATB	<b>279.020.10V</b>
250	80	13 x 5	20+4	3,2	2,2	18°	10° ATB	<b>279.020.10W</b>
300	30		24+4	3,2	2,2	18°	10° ATB	<b>279.024.12M</b>
300	60	21 x 5	24+4	3,2	2,2	18°	10° ATB	<b>279.024.12U</b>
300	70	21 x 5	24+4	3,2	2,2	18°	10° ATB	<b>279.024.12V</b>
300	80	13 x 5	24+4	3,2	2,2	18°	10° ATB	<b>279.024.12W</b>
350	30		28+4	3,5	2,5	18°	10° ATB	<b>279.028.14M</b>
350	60	21 x 5	28+4	3,5	2,5	18°	10° ATB	<b>279.028.14U</b>
350	70	21 x 5	28+4	3,5	2,5	18°	10° ATB	<b>279.028.14V</b>
350	80	14 x 5	28+4	3,5	2,5	18°	10° ATB	<b>279.028.14W</b>
400	30		28+6	4,0	2,8	18°	10° ATB	<b>279.028.16M</b>
400	70	21 x 5	28+6	4,0	2,8	18°	10° ATB	<b>279.028.16V</b>

# Multi-rip anti-kickback saw blades

industrial line



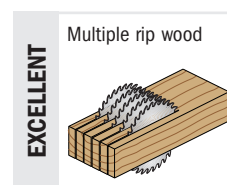
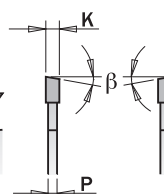
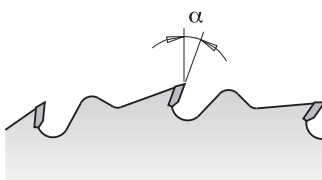
## 278



**APPLICATION:** for rip cuts where the special steel plate prevents vibrations during work  
**MACHINES:** multi-rip machines with one or two shafts.  
**MATERIAL:** dry soft and hardwood.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 10
- Grade ISO: K20
- Hardness (HV10): 1.640
- Transverse rupture strength (N/mm<sup>2</sup>): 2.200



D mm	B mm	Key way mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
300	30		28	3,2	2,2	18°	10° ATB	<b>278.028.12M</b>
300	70	21 x 5	28	3,2	2,2	18°	10° ATB	<b>278.028.12V</b>
350	30		36	3,5	2,5	18°	10° ATB	<b>278.036.14M</b>
350	70	21 x 5	36	3,5	2,5	18°	10° ATB	<b>278.036.14V</b>

# Saw blades for building contractors

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

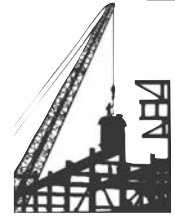
Power Tools & Accessories

Display Cabinets



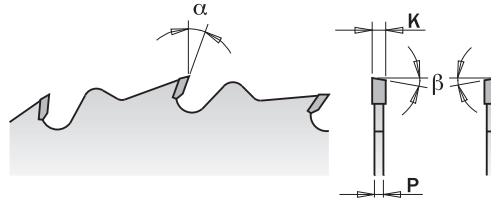
## 286

**APPLICATION:** for rip and crosscuts especially designed for building contractors.  
**MACHINES:** table saws and portable machines.  
**MATERIAL:** soft and hardwood and panels with nails, metal clips and pieces of concrete.



**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 6~10
- Grade ISO: K20
- Hardness (HV10): 1.550
- Transverse rupture strength (N/mm<sup>2</sup>): 2.600



**EXCELLENT**

Soft wood with nails, screw, concrete, etc.

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

**Shop tips:**

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

## Rip saw blades

industrial line



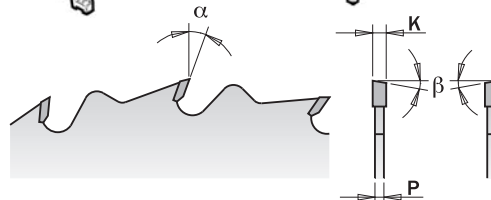
## 285-290-293

**APPLICATION:** for rip and glue line rip cuts.  
**MACHINES:** table and special saws, portable and ripping machines for automatic or manual feeding.  
**MATERIAL:** soft and hardwood.



**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8~10
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



**EXCELLENT**

Rip wood

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

\* Non-low noise

# Rip & crosscut saw blades

industrial line



## 285-291-294

**APPLICATION:** for optimal quality rip and crosscuts.

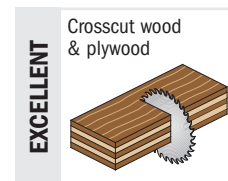
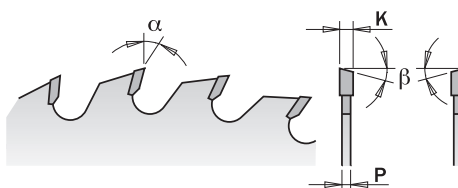
**MACHINES:** table and special saws, portable machines.

**MATERIAL:** soft and hardwood, wood-based panels.



**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8~10
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



D mm	B mm	Pin Hole 	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
200	30	2/10/60 + 2/7/42	36	3,2	2,2	15°	10° ATB	285.036.08M
200	30	2/10/60 + 2/7/42	48	3,2	2,2	15°	15° ATB	285.048.08M
250*	20	COMBI3	40	3,2	2,2	15°	10° ATB	285.040.10H
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	285.040.10M
250	30	COMBI3	48	3,2	2,2	15°	10° ATB	285.048.10M
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	285.060.10M
250	35		40	3,2	2,2	15°	10° ATB	285.040.10R
250	35		60	3,2	2,2	10°	15° ATB	285.060.10R
260	30	2/10/60 + 2/7/42	48	2,8	1,8	15°	10° ATB	285.048.11M
260	30	2/10/60 + 2/7/42	60	2,8	1,8	10°	15° ATB	285.060.11M
270*	30	2/7/42	42	2,8	1,8	15°	15° ATB	291.270.42M
275	20		42	3,2	2,2	15°	10° ATB	285.042.11H
280*	30	2/10/60 + 2/7/42	64	2,8	1,8	10°	15° ATB	295.064.11M
300*	20	COMBI3	48	3,2	2,2	15°	10° ATB	285.048.12H
300	30	COMBI3	36	3,2	2,2	15°	10° ATB	285.036.12M
300	30	COMBI3	48	3,2	2,2	15°	10° ATB	285.048.12M
300	30	COMBI3	60	3,2	2,2	15°	10° ATB	285.060.12M
300	30	COMBI3	72	3,2	2,2	10°	15° ATB	285.072.12M
300	35		48	3,2	2,2	15°	10° ATB	285.048.12R
300	35		72	3,2	2,2	10°	15° ATB	285.072.12R
305*	30	2/10/60 + 2/7/42	54	2,8	1,8	-5° Neg.	15° ATB	294.054.22M
315*	30	2/10/60 + 2/7/42	36	3,2	1,8	15°	10° ATB	285.036.13M
315*	30	COMBI3	54	3,2	2,2	15°	10° ATB	294.054.12M
350	30	COMBI3	54	3,5	2,5	15°	10° ATB	285.054.14M
350	30	COMBI3	72	3,5	2,5	15°	10° ATB	285.072.14M
350	30	COMBI3	84	3,5	2,5	10°	15° ATB	285.084.14M
350	35		54	3,5	2,5	15°	10° ATB	285.054.14R
350	35		84	3,5	2,5	10°	15° ATB	285.084.14R
400	30	COMBI3	48	3,5	2,5	20°	10° ATB	285.048.16M
400	30	COMBI3	60	3,5	2,5	10°	15° ATB	285.060.16M
450	30	2/10/60	54	3,8	2,8	15°	15° ATB	285.054.18M
450	30	2/10/60	66	3,8	2,8	10°	15° ATB	285.066.18M
500	30	2/10/60	60	3,8	2,8	15°	15° ATB	285.060.20M
500	30	2/10/60	72	3,8	2,8	10°	15° ATB	285.072.20M

\* Non-low noise



# Finishing saw blades

industrial line

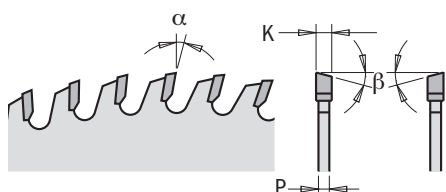


## 285

**APPLICATION:** for optimal quality crosscuts.  
**MACHINES:** table and sizing saws, portable machines.  
**MATERIAL:** soft, hard and exotic wood, wood-based panels.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300

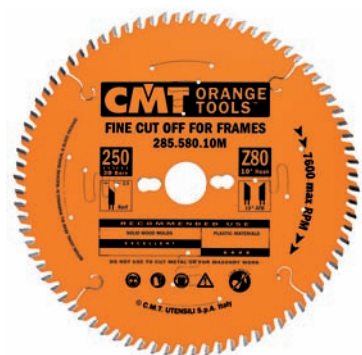


<b>EXCELLENT</b>	Two-sided melamine	Plywood
<b>GOOD</b>	Rip wood	Cross wood

D	B	Pin Hole	Z	K	P	α	β	ORDER NO.
mm	mm			mm	mm			
150	30	2/7/42	48	3,2	2,2	5°	15° ATB	<b>285.048.06M</b>
180	30	2/7/42	56	3,2	2,2	5°	15° ATB	<b>285.056.07M</b>
200	30	2/10/60 + 2/7/42	64	3,2	2,2	5°	15° ATB	<b>285.064.08M</b>
250	30	COMBI3	80	3,2	2,2	5°	15° ATB	<b>285.080.10M</b>
250	35		80	3,2	2,2	5°	15° ATB	<b>285.080.10R</b>
300	30	COMBI3	96	3,2	2,2	5°	15° ATB	<b>285.096.12M</b>
300	35		96	3,2	2,2	5°	15° ATB	<b>285.096.12R</b>
305	30	2/10/60 + 2/7/42	72	3,2	2,2	10°	15° ATB	<b>285.072.22M</b>
315	30	2/10/60 + 2/7/42	72	3,2	2,2	10°	15° ATB	<b>285.072.13M</b>
350	30	COMBI3	108	3,5	2,5	5°	15° ATB	<b>285.108.14M</b>
350	35		108	3,5	2,5	5°	15° ATB	<b>285.108.14R</b>
400	30	COMBI3	96	3,5	2,5	10°	15° ATB	<b>285.096.16M</b>
400	30	2/10/60 + 2/7/42	120	3,5	2,5	10°	15° ATB	<b>285.120.16M</b>

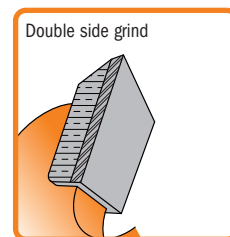
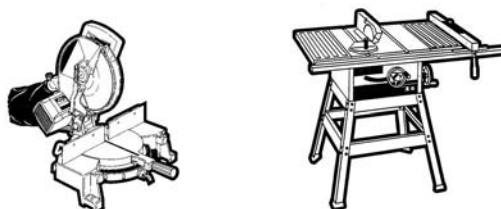
# Super finishing saw blades for cutting frames

XTreme line



## 285.5 XTREME

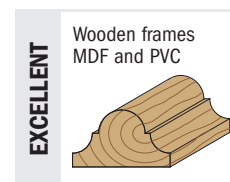
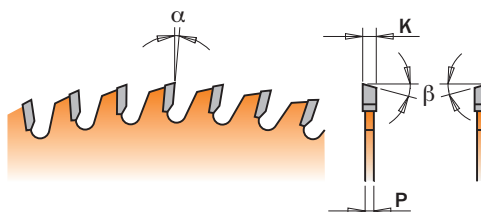
**APPLICATION:** for optimal quality crosscuts on moulds and end trimming for perfect joints.  
**MACHINES:** table and sizing saws, single or double mitre saws.  
**MATERIAL:** soft and hardwood, MDF.



## XTREME performance!

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



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

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

# Low noise & Chrome coated saw blades with ATB grind

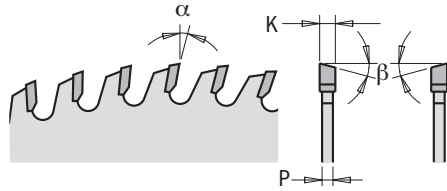
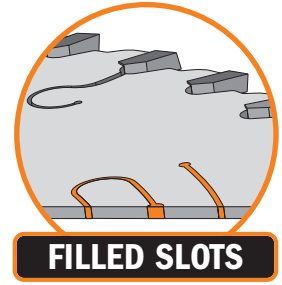
new

**CMT ORANGE TOOLS™**

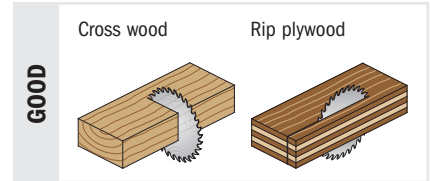


**285**

**APPLICATION:** for optimal quality rip and crosscuts.  
**MACHINES:** table and special saws, portable machines.  
**MATERIAL:** soft and hardwood, wood-based panels.

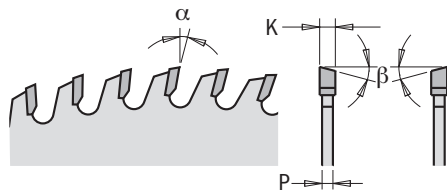


**TECHNICAL DETAILS OF CARBIDE TEETH:**  
 - Teeth height mm: 8  
 - **CHROMIUM** Grade ISO: KCR06  
 - Hardness (HV10): 1.950  
 - Transverse rupture strength (N/mm<sup>2</sup>): 2.300

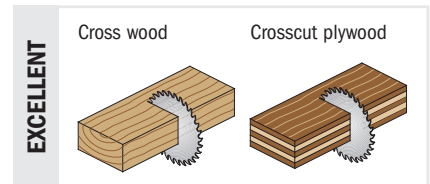


D mm	B mm	Pin Hole	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	285.640.10M
300	30	COMBI3	48	3,2	2,2	15°	10° ATB	285.648.12M
350	30	COMBI3	54	3,5	2,5	15°	10° ATB	285.654.14M

**APPLICATION:** for optimal quality crosscuts.  
**MACHINES:** table and sizing saws, portable machines.  
**MATERIAL:** soft, hard and exotic wood, wood-based panels.

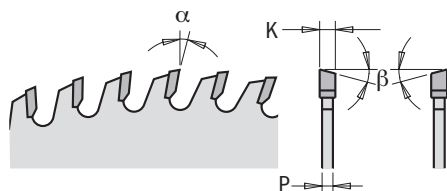


**TECHNICAL DETAILS OF CARBIDE TEETH:**  
 - Teeth height mm: 8  
 - **CHROMIUM** Grade ISO: KCR06  
 - Hardness (HV10): 1.950  
 - Transverse rupture strength (N/mm<sup>2</sup>): 2.300

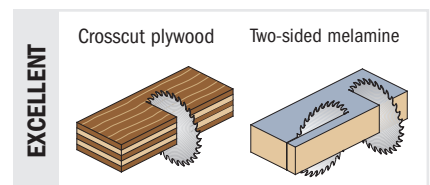


D mm	B mm	Pin Hole	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	285.660.10M
300	30	COMBI3	72	3,2	2,2	10°	15° ATB	285.672.12M
350	30	COMBI3	84	3,5	2,5	10°	15° ATB	285.684.14M

**APPLICATION:** for high-quality cross cutting.  
**MACHINES:** table and sizing saws, portable machines.  
**MATERIAL:** soft, hard and exotic wood, wood-based panels, one-side veneered, paper-base laminate and thermoplastic material.



**TECHNICAL DETAILS OF CARBIDE TEETH:**  
 - Teeth height mm: 8  
 - **CHROMIUM** Grade ISO: KCR06  
 - Hardness (HV10): 1.950  
 - Transverse rupture strength (N/mm<sup>2</sup>): 2.300



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

# Super fine finishing blade

XTreme line



## 274 XTREME

**APPLICATION:** for high-quality cross cutting.

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

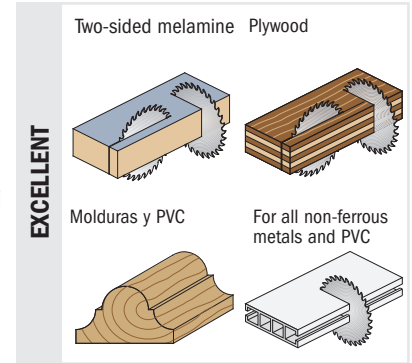
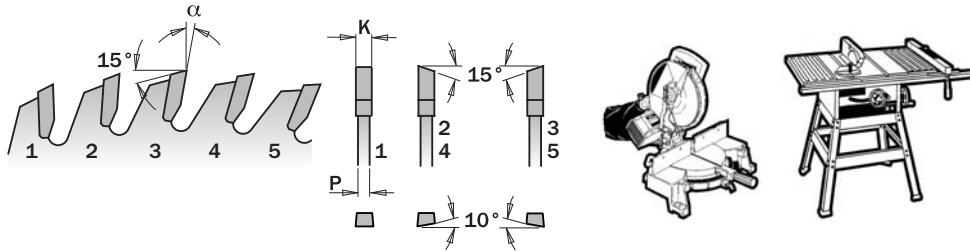
**MATERIAL:** soft, hard and exotic wood, wood-based panels, one-side veneered, paper-base laminate and thermoplastic material.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300

**Max run out tolerance 0,05mm**

### XTREME performance!



D	B	Pin Hole	Z	K	P	α	β	ORDER NO.
mm	mm	⊕⊕		mm	mm	°		
250	30	COMBI3	80	3,2	2,2	15°	1FTG+4ATB	<b>274.080.10M</b>
300	30	COMBI3	100	3,2	2,2	15°	1FTG+4ATB	<b>274.100.12M</b>

# Fine cut-off saw blades for two-sided melamine

industrial line



## 287

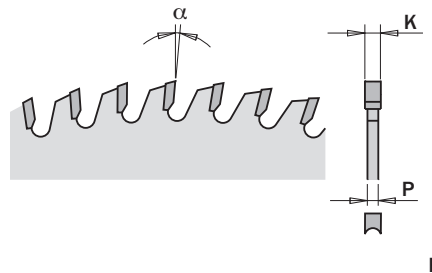
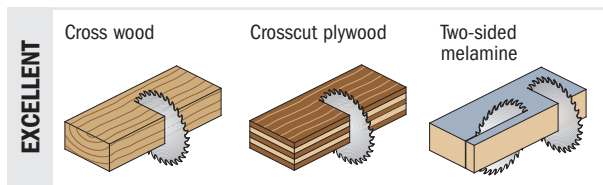
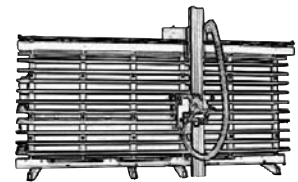
**APPLICATION:** for sizing cuts, perfect finish with high feed rate and long tool life without using scoring blade.

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

**MATERIAL:** one-side or double side laminated and hard coating panels, thermoplastic.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D	B	Pin Hole	Z	K	P	α	β	ORDER NO.
mm	mm	⊕⊕		mm	mm	°		
<b>Positive hook angle</b>								
<b>new</b> 160	20	2/6/32	34	2,6	1,8	10°	HDF	<b>287.034.06H</b>
220	30	2/7/42	42	3,2	2,2	10°	HDF	<b>287.042.09M</b>
250	30	COMBI3	48	3,2	2,2	10°	HDF	<b>287.048.10M</b>
303	30	COMBI3	60	3,2	2,2	10°	HDF	<b>287.060.12M</b>
<b>Negative hook angle</b>								
220	30	2/7/42	42	3,2	2,2	-6°	HDF	<b>287.043.09M</b>
250	30	COMBI3	48	3,2	2,2	-6°	HDF	<b>287.049.10M</b>
303	30	COMBI3	60	3,2	2,2	-6°	HDF	<b>287.061.12M</b>

# Fine cut-off saw blades for two-sided melamine

industrial line



**283**



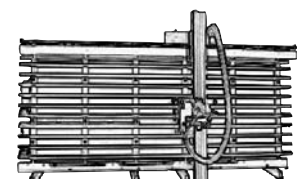
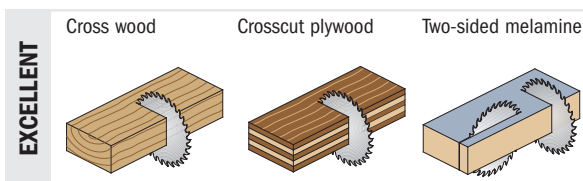
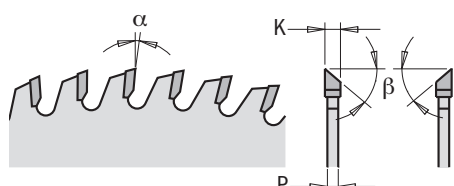
**APPLICATION:** for sizing cuts, perfect finishing on both sides of double-sided panels without using scoring blades.

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

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

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Pin Hole	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
220*	30	2/7/42	64	3,2	2,2	-5°	40° ATB	<b>283.064.09M</b>
250	30	COMBI3	80	3,2	2,2	-2°	40° ATB	<b>283.080.10M</b>
300	30	COMBI3	96	3,2	2,2	2°	40° ATB	<b>283.096.12M</b>
350	30	COMBI3	108	3,5	2,5	5°	40° ATB	<b>283.108.14M</b>

\* Non-low noise

# Fine cut-off saw blades for melamine two-sided

Xtreme line



**210 XTREME**



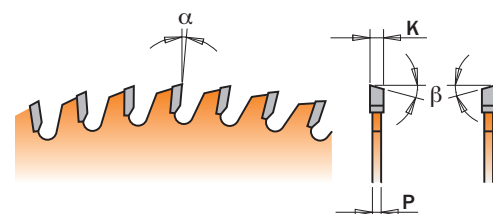
**APPLICATION:** for sizing cuts, perfect finishing on both sides on bilaminated panels without using scoring blade.

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

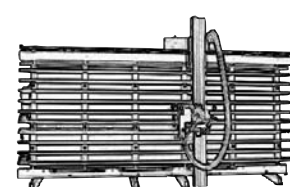
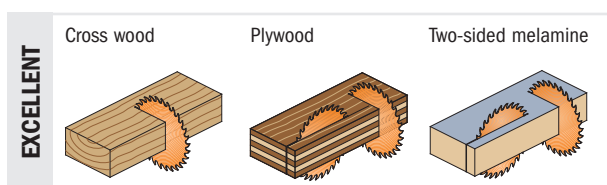
**MATERIAL:** one-side or double-sided laminated panels with coating and veneered.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



**XTREME performance!**



D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
250	30	80	3,2	2,2	5°	40° ATB	<b>210.080.10M</b>
300	30	96	3,2	2,2	5°	40° ATB	<b>210.096.12M</b>

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

## Low noise &amp; Chrome coated saw blades with TCG grind

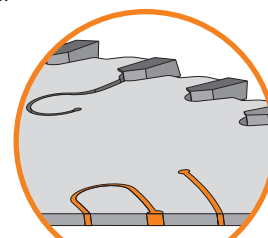
new

CMT ORANGE  
TOOLS™

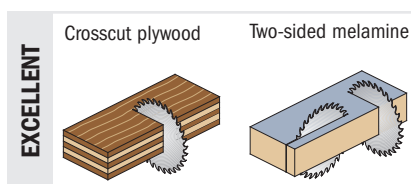
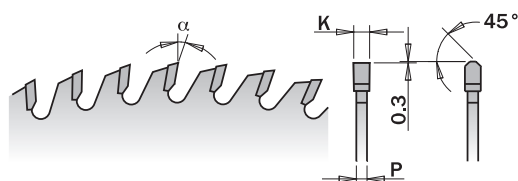
281


**APPLICATION:** for sizing cuts, perfect finishing by using scoring blades.**MACHINES:** table saws, horizontal and vertical sizing machines.**MATERIAL:** single or double-sided plastic-laminated panels.**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8~10
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



FILLED SLOTS



D mm	B mm	Pin Hole 	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
250	30	COMBI3	80	3,2	2,2	5°	TCG	<b>281.680.10M</b>
300	30	COMBI3	72	3,2	2,2	10°	TCG	<b>281.672.12M</b>
300	30	COMBI3	96	3,2	2,2	5°	TCG	<b>281.696.12M</b>
350	30	COMBI3	108	3,2	2,5	5°	TCG	<b>281.708.14M</b>

## Melamine and laminated long-lasting saw blades

XTreme line

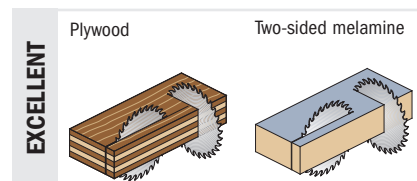


295 XTREME

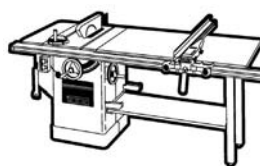
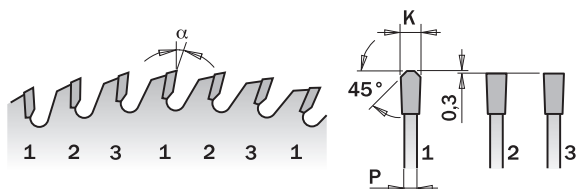
**APPLICATION:** for sizing cuts, perfect finishing without using scoring blade.**MACHINES:** table saws, horizontal and vertical sizing machines.**MATERIAL:** double-sided laminated panels.**TECHNICAL DETAILS OF CARBIDE TEETH:**


- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR05
- Hardness (HV10): 2.150
- Transverse rupture strength (N/mm<sup>2</sup>): 2.500

Max run out tolerance 0,05mm



XTREME performance!



D mm	B mm	Pin Hole 	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
250	30	COMBI3	78	3,2	2,2	10°	FFT	<b>295.078.10M</b>
300	30	COMBI3	96	3,2	2,2	10°	FFT	<b>295.096.12M</b>
350	30	COMBI3	108	3,5	2,5	10°	FFT	<b>295.108.14M</b>

# Laminated and chipboard saw blades

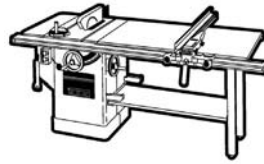
industrial line



**281**

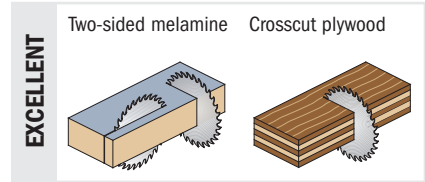
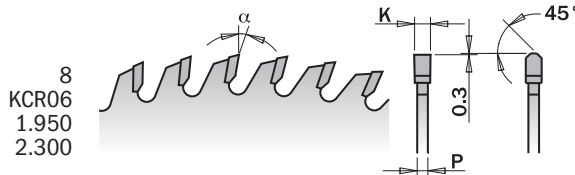


**APPLICATION:** for sizing cuts, perfect finishing by using scoring blades.  
**MACHINES:** table saws, horizontal and vertical sizing machines.  
**MATERIAL:** single or double-sided plastic-laminated panels.



**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Pin Hole ⊕⊖	Z	K mm	P mm	α	β	ORDER NO.
160**	20	4/7/32 45°	40	2,4	1,6	10°	TCG	<b>281.160.40H</b>
200*	30	2/7/42	64	3,2	2,2	10°	TCG	<b>281.064.08M</b>
220*	30	2/7/42	64	3,2	2,2	10°	TCG	<b>281.064.09M</b>
250	30	COMBI3	60	3,2	2,2	10°	TCG	<b>281.060.10M</b>
250	30	COMBI3	80	3,2	2,2	10°	TCG	<b>281.080.10M</b>
300	30	COMBI3	72	3,2	2,2	10°	TCG	<b>281.072.12M</b>
300	30	COMBI3	96	3,2	2,2	10°	TCG	<b>281.096.12M</b>
350	30	COMBI3	84	3,5	2,5	10°	TCG	<b>281.084.14M</b>
350	30	COMBI3	108	3,5	2,5	10°	TCG	<b>281.108.14M</b>

\* Non-low noise

\*\* Suitable for Virutex machine

# Laminated and chipboard saw blades

XTreme line



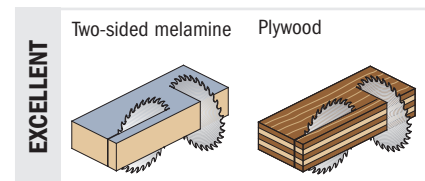
**281 XTREME**



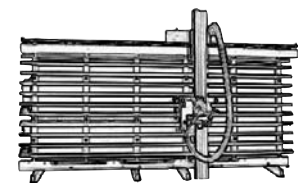
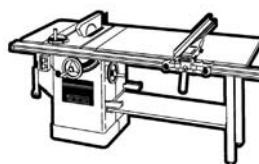
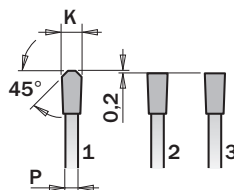
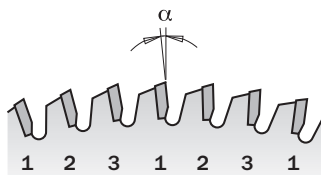
**APPLICATION:** for sizing cuts, perfect finishing without using scoring blade.  
**MACHINES:** table saws, horizontal and vertical sizing machines.  
**MATERIAL:** single or double-sided laminated panels.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8~10
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



**XTREME performance!**



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	<b>281.063.09M</b>
250	30	COMBI3	60	3,2	2,2	-3°	FFT	<b>281.061.10M</b>
250	30	COMBI3	81	3,2	2,2	-3°	FFT	<b>281.081.10M</b>
300	30	COMBI3	72	3,2	2,2	-3°	FFT	<b>281.073.12M</b>
300	30	COMBI3	96	3,2	2,2	-3°	FFT	<b>281.097.12M</b>

# DP laminated and chipboard saw blades

XTreme line



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 237 XTREME



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

**MACHINES:** table saws, horizontal and vertical sizing machines.

**MATERIAL:** one-side or double-sided plastic-laminated panels, MDF and HDF.

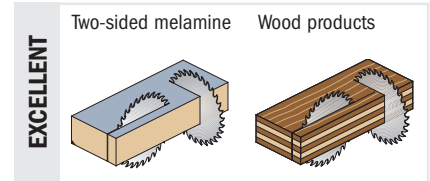
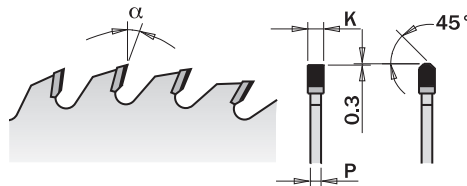
**50X**  
LONGER LIFE  
THAN CARBIDE

### XTREME performance!

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 4
- Grade ISO: 2µm
- Hardness (HV): 10.000
- Reafilable: 6 Veces

4  
2µm  
10.000  
6 Veces



D mm	B mm	Pin Hole 	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	48	3,2	2,2	10°	45° TCG	<b>237.048.10M</b>
300	30	COMBI3	60	3,2	2,2	10°	45° TCG	<b>237.060.12M</b>
350	30	COMBI3	72	3,5	2,4	15°	45° TCG	<b>237.072.14M</b>

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

# DP conical scoring blades

XTreme line



Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 238 XTREME



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

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

**MATERIAL:** one-side or double-sided plastic-laminated panels, MDF and HDF.

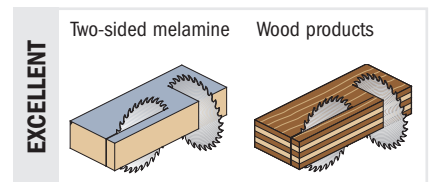
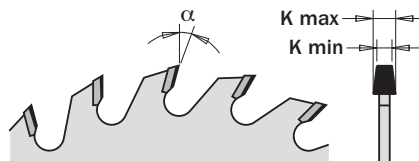
**50X**  
LONGER LIFE  
THAN CARBIDE

### XTREME performance!

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 4
- Grade ISO: 2µm
- Hardness (HV): 10.000
- Reafilable: 6 Veces

4  
2µm  
10.000  
6 Veces



D mm	B mm	Z	K mm	α	β	ORDER NO.
120	20	20	3,1-3.7	5°	CONICAL	<b>238.120.20H</b>
125	20	20	3,1-3.7	5°	CONICAL	<b>238.125.20H</b>

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

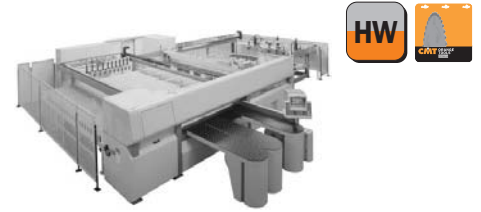
# Panel sizing saw blades

industrial line



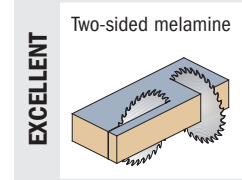
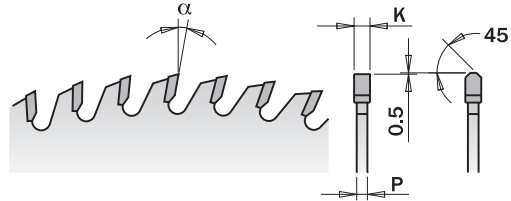
## 281-282


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

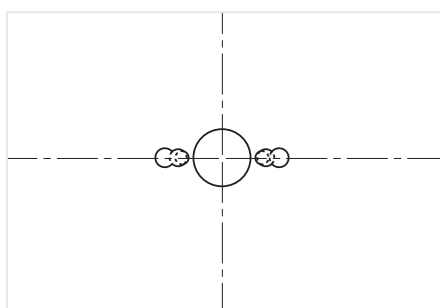


### TECHNICAL DETAILS OF CARBIDE TEETH:

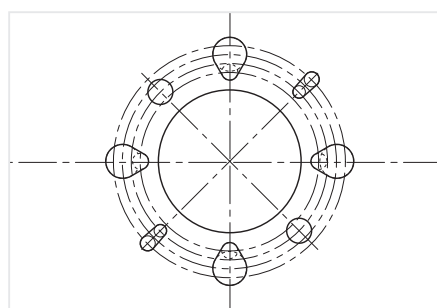
- Teeth height mm: 8~10
- **CHROMIUM** Grade ISO: KCR05
- Hardness (HV10): 2.150
- Transverse rupture strength (N/mm<sup>2</sup>): 2.500



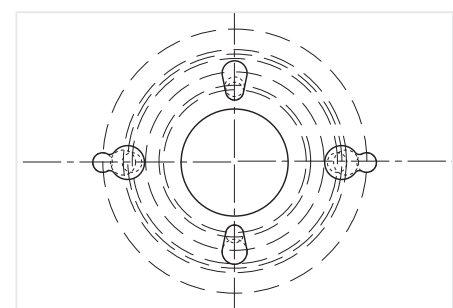
D mm	B mm	Pin Hole 	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	60	3,2	2,2	10°	TCG	<b>281.060.10M</b>
250	30	COMBI3	80	3,2	2,2	10°	TCG	<b>281.080.10M</b>
300	30	COMBI3	60	4,4	3,2	16°	TCG	<b>282.060.12M</b>
300	30	COMBI3	72	3,2	2,2	10°	TCG	<b>281.072.12M</b>
300	30	COMBI3	96	3,2	2,2	10°	TCG	<b>281.096.12M</b>
300	75		60	4,4	3,2	16°	TCG	<b>282.060.12X</b>
300	80	COMBI5	60	4,4	3,2	16°	TCG	<b>282.060.12W</b>
350	30	COMBI3	54	4,4	3,2	16°	TCG	<b>282.054.14M</b>
350	30	COMBI3	72	4,4	3,2	16°	TCG	<b>282.072.14M</b>
350	30	COMBI3	108	3,5	2,5	10°	TCG	<b>281.108.14M</b>
350	50	3/12,5/80	72	4,4	3,2	16°	TCG	<b>282.072.14T</b>
350	60	4/9/100	72	4,4	3,2	16°	TCG	<b>Y282.072.14U</b>
350	75	4/15/105	54	4,4	3,2	16°	TCG	<b>282.054.14X</b>
350	75	4/15/105	72	4,4	3,2	16°	TCG	<b>282.072.14X</b>
350	80	COMBI5	54	4,4	3,2	16°	TCG	<b>282.054.14W</b>
350	80	COMBI5	72	4,4	3,2	16°	TCG	<b>282.072.14W</b>
355	30	2/7/42 + 2/10/60	72	4,4	3,2	16°	TCG	<b>S282.03556</b>
380	60	COMBI7	72	4,8	3,5	16°	TCG	<b>282.072.15U</b>
400	30	2/10/60	60	4,4	3,2	16°	TCG	<b>282.060.16M</b>
400	30	2/10/60	72	4,4	3,2	16°	TCG	<b>282.072.16M</b>
400	60	COMBI7	72	4,4	3,2	16°	TCG	<b>282.072.16U</b>
400	75	4/15/105	60	4,4	3,2	16°	TCG	<b>282.060.16X</b>
400	75	4/15/105	72	4,4	3,2	16°	TCG	<b>282.072.16X</b>
400	80	COMBI5	60	4,4	3,2	16°	TCG	<b>282.060.16W</b>
400	80	COMBI5	72	4,4	3,2	16°	TCG	<b>282.072.16W</b>
430	75	4 / 15/105	72	4,4	3,2	16°	TCG	<b>282.072.17X</b>
430	80	COMBI5	72	4,4	3,2	16°	TCG	<b>282.072.17W2</b>
450	60	COMBI7	72	4,8	3,5	16°	TCG	<b>282.072.18U</b>
450	80	COMBI5	72	4,8	3,5	16°	TCG	<b>282.072.18W2</b>
500	60	COMBI7	72	4,8	3,5	16°	TCG	<b>282.072.20U</b>
500	80	COMBI5	72	4,8	3,5	16°	TCG	<b>Y282.072.20W</b>
550	100		72	5,2	3,5	16°	TCG	<b>282.072.22A</b>



**COMBI3 PIN HOLE:**  
 2/7/42mm  
 2/9/46,4mm  
 2/10/60mm



**COMBI5 PIN HOLE:**  
 2/7/110mm  
 2/8,4/130mm  
 2/14/110mm  
 4/9/100mm  
 4/19/120mm



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



# Conical scoring blades

industrial line



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 288

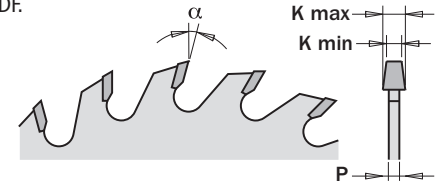
**APPLICATION:** for chip-free scoring on plastic-laminated panels.

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

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

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8~10
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Pin Hole	Z	K mm	P mm	α	β	ORDER NO.
100	20		20	3,1-4,0	2,5	5°	CONICAL	<b>288.100.20H</b>
100	22		20	3,1-4,0	2,5	5°	CONICAL	<b>288.100.20K</b>
120	20		24	3,1-4,0	2,5	5°	CONICAL	<b>288.120.24H</b>
120	20		24	3,4-4,6	2,5	5°	CONICAL	<b>288.120.24H1</b>
120	22		24	3,1-4,0	2,5	5°	CONICAL	<b>288.120.24K</b>
125	20		24	3,1-4,0	2,5	5°	CONICAL	<b>288.125.24H</b>
125	20		24	3,4-4,6	2,5	5°	CONICAL	<b>288.125.24H1</b>
125	20		24	4,3-3,5	3,2	10°	CONICAL	<b>288.125.24H2</b>
125	22		24	3,1-4,0	2,5	5°	CONICAL	<b>288.125.24K</b>
125	45		24	4,3-5,5	3,2	10°	CONICAL	<b>288.125.24Q</b>
140	16	1/6/33	24	3,1-4,0	2,2	10°	CONICAL	<b>Y288.140.24E</b>
150	45		36	4,3-5,5	3,2	10°	CONICAL	<b>288.150.36Q</b>
160	45	3/11/70	36	4,3-5,5	3,2	10°	CONICAL	<b>288.160.36Q</b>
160	55	3/7/66	36	4,3-5,5	3,2	10°	CONICAL	<b>288.160.360</b>
160	55	3/7/66	36	4,7-6,0	3,5	10°	CONICAL	<b>Y288.160.3602</b>
180	20		36	4,3-5,5	3,2	10°	CONICAL	<b>Y288.180.36H</b>
180	30		36	4,3-5,5	3,2	10°	CONICAL	<b>288.180.36M</b>
180	45		36	4,7-6,0	3,5	10°	CONICAL	<b>288.180.36Q</b>
180	55		36	5,0-6,2	3,5	10°	CONICAL	<b>288.180.360</b>
180	50	3/12,5/80	44	4,3-5,5	3,2	10°	CONICAL	<b>288.180.44T</b>
200	20		36	4,3-5,5	3,2	10°	CONICAL	<b>288.200.36H</b>
200	45		36	4,7-6,0	3,5	10°	CONICAL	<b>288.200.36Q</b>
200	45		36	4,3-5,5	3,2	10°	CONICAL	<b>Y288.200.36Q2</b>
200	65	2/9/100+2/9/110	36	4,3-5,5	3,2	10°	CONICAL	<b>288.200.36J</b>
215	50	3/15/80	42	4,3-5,5	3,2	10°	CONICAL	<b>288.215.42T</b>
300	50	3/15/80	48	4,3-5,5	3,2	10°	CONICAL	<b>288.300.48T</b>
300	65	2/9/100+2/9/110	72	4,3-5,5	3,2	10°	CONICAL	<b>288.300.72J</b>

# Adjustable scoring blades

industrial line



## 289

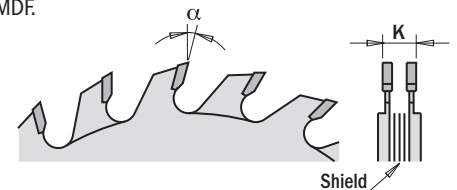
**APPLICATION:** for chip-free scoring on plastic-laminated panels.

**MACHINES:** horizontal and vertical sizing machines equipped with scoring device not allowing for cutting depth adjustment.

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

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 7
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Z	K mm	α	β	ORDER NO.
70	20	8+8	2,8-3,6	15°	FLAT	<b>289.070.16H</b>
80	20	10+10	2,8-3,6	15°	FLAT	<b>289.080.20H</b>
100	20	10+10	2,8-3,6	15°	FLAT	<b>289.100.20H</b>
100	22	10+10	2,8-3,6	15°	FLAT	<b>289.100.20K</b>
120	20	12+12	2,8-3,6	15°	FLAT	<b>289.120.24H</b>
120	22	12+12	2,8-3,6	15°	FLAT	<b>289.120.24K</b>
125	20	12+12	2,8-3,6	15°	FLAT	<b>289.125.24H</b>
125	22	12+12	2,8-3,6	15°	FLAT	<b>289.125.24K</b>

# Non-ferrous metal and laminated panel saw blades

industrial line



## 296-297

**APPLICATION:** for cutting and dividing tubes, drawn products and solid blocks.

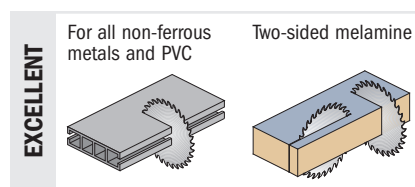
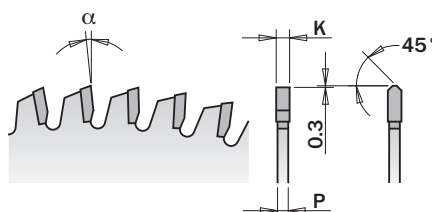
**MACHINES:** single or double mitre saws, radial saws.  
Recommended use with the saw blade over the workpiece.  
Use series 296 for portable machines.

**MATERIAL:** aluminum, brass, copper alloys, plastic, composite material, melamine and laminated panels.

**WARNING:** it is recommended to use a liquid lubricant.  
Wax stick for lubrication NOT RECOMMENDED

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height series 296, mm: 6
- Teeth height series 297, mm: 8
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



### Saw blades for portable machines. Negative hook angle

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

\* Non-low noise

Remarks: in plastic carry case

### Saw blades to fit on trim- and mitre saws, table saws and combined joinery machines. Negative hook angle

D mm	B mm	Pin Hole ⊕⊗	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	80	3,2	2,5	-6° Neg.	TCG	<b>297.080.10M</b>
250	32	2/12/64	80	3,2	2,5	-6° Neg.	TCG	<b>297.080.10P</b>
260	30	2/10/60 + 2/7/42	80	2,8	2,2	-6° Neg.	TCG	<b>297.080.11M</b>
280*	30	2/10/60 + 2/7/42	64	3,2	2,5	-6° Neg.	TCG	<b>297.064.11M</b>
300	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	<b>297.096.12M</b>
300	32	2/12/64	96	3,2	2,5	-6° Neg.	TCG	<b>297.096.12P</b>
305*	30	2/10/60 + 2/7/42	96	3,2	2,5	-6° Neg.	TCG	<b>297.096.13M</b>
315	30	2/10/60 + 2/7/42	96	3,2	2,5	-6° Neg.	TCG	<b>297.096.23M</b>
350	30	COMBI3	108	3,2	2,5	-6° Neg.	TCG	<b>297.108.14M</b>
350	32	4/12/64	108	3,2	2,5	-6° Neg.	TCG	<b>297.108.14P</b>
400	30	2/10/60	120	3,8	3,2	-6° Neg.	TCG	<b>297.120.16M</b>
400	32	4/12/64	108	3,8	3,2	-6° Neg.	TCG	<b>297.108.16P</b>
450	30	2/10/60	140	3,8	3,2	-6° Neg.	TCG	<b>Y297.140.18M</b>
450	32	2/12/64	108	3,8	3,2	-6° Neg.	TCG	<b>297.108.18P</b>
500	32	2/12/64	120	4,0	3,2	-6° Neg.	TCG	<b>297.120.20P</b>

\* Non-low noise

Remarks: in cardboard box

# Non-ferrous metal and plastic material saw blades

industrial line



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



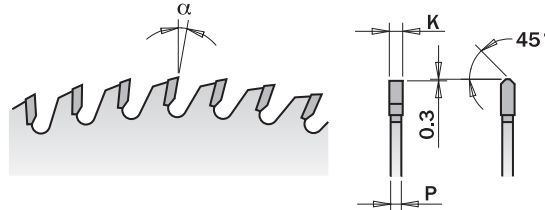
## 284

- APPLICATION:** for cutting and dividing tubes, drawn products and solid blocks.
- MACHINES:** table saws, single or double mitre saws with mechanical clamping of the workpiece.
- MATERIAL:** aluminum, brass, copper alloys, plastic, composite materials.
- WARNING:** it is recommended to properly clamp the workpiece during cutting operations and to use a liquid lubricant.  
Wax stick for lubrication NOT RECOMMENDED.



### TECHNICAL DETAILS OF CARBIDE TEETH:

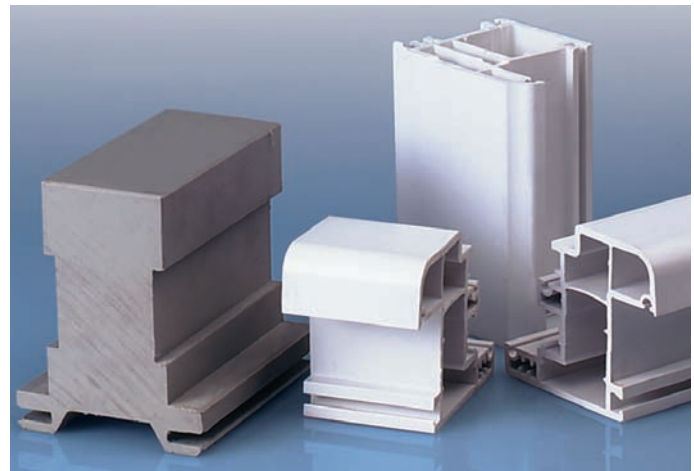
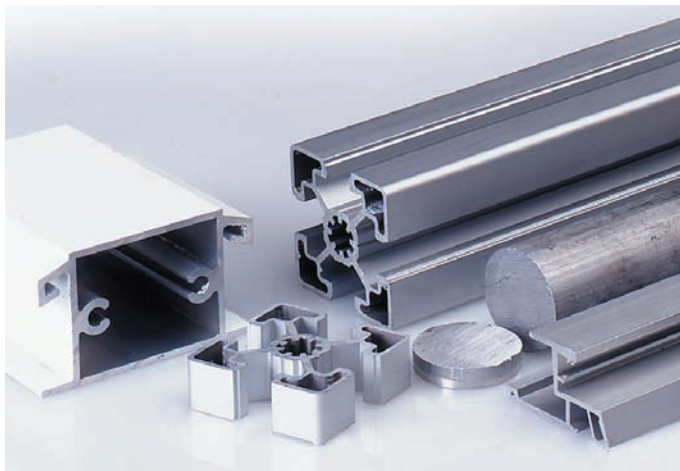
- Teeth height mm: 8
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



**EXCELLENT** For all non-ferrous metals and PVC

### Saw blades for industrial machines. Positive hook angle

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



# Dry cutter saw blades



## 226

**APPLICATION:** for crosscutting on different kinds of materials.

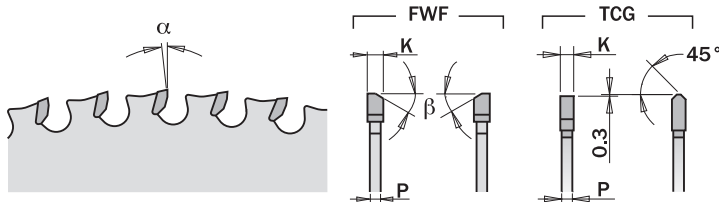
**MACHINES:** dry-cutter and mitre saws without lubrication.

**MATERIAL:** for ferrous materials and constructional steel.

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

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 5
- Grade ISO: K30
- Hardness (HV10): 1.520
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



**EXCELLENT** For iron, steel, PVC, compound materials, melamine

D mm	B mm	RPM	RPM max	Z	K mm	P mm	α	β	ORDER NO.
136,5*	10	5500	10900	30	1,5	1,2	0°	TCG	<b>226.030.05</b>
136,5*	20	5500	10900	30	1,5	1,2	0°	TCG	<b>226.030.05H</b>
160	20	4700	9300	30	2,0	1,6	0°	TCG	<b>226.030.06H</b>
165	15,87<>	4600	9000	36	1,5	1,2	0°	TCG	<b>226.036.06</b>
165	20	4700	9300	36	1,5	1,2	0°	TCG	<b>226.036.06H</b>
184	15,87<>	4100	8000	48	2,0	1,6	0°	TCG	<b>226.048.07</b>
190	30	4000	8000	40	2,0	1,6	0°	TCG	<b>226.040.07M</b>
210	15,87<>	3600	7300	48	2,2	1,8	0°	TCG	<b>226.048.08</b>
210	30	3600	7300	48	2,2	1,8	0°	TCG	<b>226.048.08M</b>
235	30	3200	6400	48	2,2	1,8	0°	TCG	<b>226.048.09M</b>
<b>new</b> 254	15,87	3000	5900	48	2,2	1,8	0°	8° FWF	<b>226.048.10</b>
254	15,87	3000	5900	60	2,2	1,8	0°	8° FWF	<b>226.060.10</b>
254**	30	3000	5900	60	2,2	1,8	0°	8° FWF	<b>226.060.10M</b>
305	25,4	2500	4900	60	2,2	1,8	0°	8° FWF	<b>226.060.12</b>
305	25,4	2500	4900	80	2,2	1,8	0°	8° FWF	<b>226.080.12</b>
305**	30	2500	4900	80	2,2	1,8	0°	8° FWF	<b>226.080.12M</b>
355	25,4	2100	4200	80	2,2	1,8	0°	8° FWF	<b>226.080.14</b>
355	25,4	2100	4200	90	2,2	1,8	0°	8° FWF	<b>226.090.14</b>
355**	30	2100	4200	90	2,2	1,8	0°	8° FWF	<b>226.090.14M</b>

\* Non-low noise

\*\* Saw blade in cardboard box

# Solid surface saw blades

industrial line

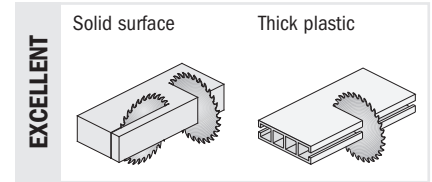
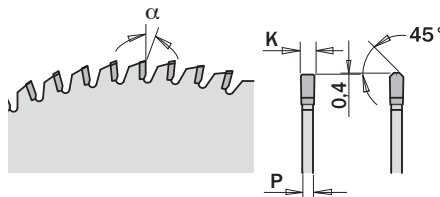


**223**

- APPLICATION:** for swirl free cuts.  
**MACHINES:** table saws and panel sizing.  
**MATERIAL:** solid surface materials (Dupont Corian®, Wilsonart Gibraltar®, SSV Fountainhead®, Varicor®, etc.) and thick plastic.  
**WARNING:** not recommended for use on mitre saws.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Pin Hole ⊕⊗	Z	K mm	P mm	α	β	ORDER NO.
250	30	COMBI3	72	3,2	2,5	0°	MTCG	<b>223.072.10M</b>
300	30	COMBI3	84	3,2	2,5	0°	MTCG	<b>223.084.12M</b>

# PVC & plexiglass saw blades

Industrial line

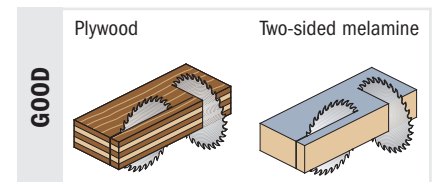
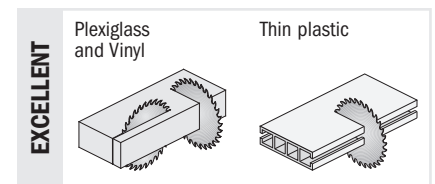
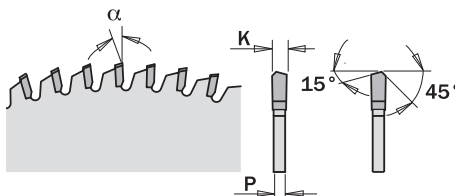


**222**

- APPLICATION:** for perfect cuts without melting and scratching.  
**MACHINES:** table saws, panel sizing and mitre saws.  
**MATERIAL:** thin plastic, plexiglass, vinyl, plywood, laminated flooring.

**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



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	<b>222.080.10M</b>
300	30	COMBI3	96	2,8	2,2	-3°	MATB	<b>222.096.12M</b>

# Ultra industrial thin-kerf blades

CMT's Industrial Thin-Kerf saw blades set new standards in saw blade technology.

In fact, these high-quality long-lasting blades offer added value and a quality/price ratio that can't simply be found anywhere.

Manufactured using breakthrough design, state-of-the-art computer-controlled equipment and the finest steel and carbide, ITK blades combine the standard advantages of thin-kerf blades with CMT's trademark worldwide-renowned reliability.

Try ITK! From design to materials, to production and packaging, you will discover a brand new name, and new standards in cutting performance!



## ITK Blades Feature:

- Anti-kickback design
- Ultra thin kerf
- Laser cut arbor and plate
- High quality steel
- Tri-metal brazing
- Finest micrograin carbide
- Low noise

## Ultra thin-kerf rip and crosscut blades

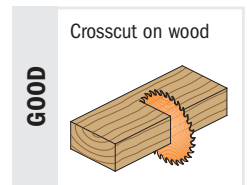
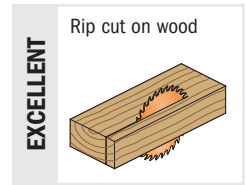
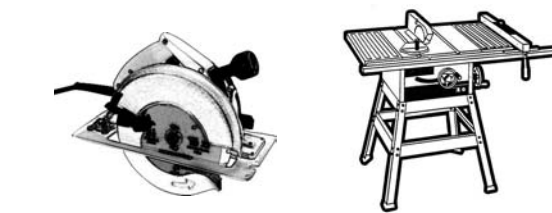


### 271

**APPLICATION:** for rip cuts where the ultra thin-kerf reduces material wastes.

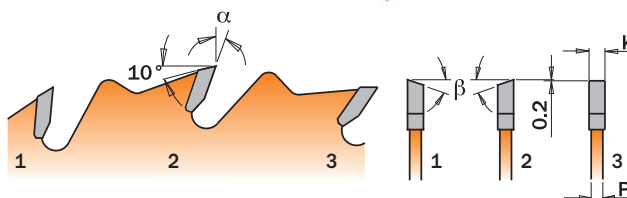
**MACHINES:** table and mitre saws, portable and cordless machines.

**MATERIAL:** soft and hardwood.



#### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 5~6
- Grade ISO: K20
- Hardness (HV10): 1.550
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



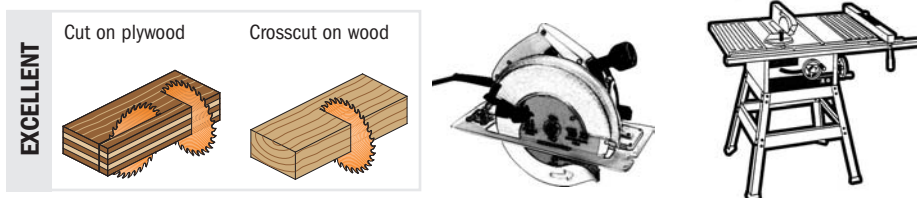
D mm	B mm	Pin Hole ⊕⊖	Z	K mm	P mm	α	β	ORDER NO.
130	16		12	1,3	0,8	25°	1 FTG+2/20° ATB	<b>271.130.12E</b>
136	10		18	1,5	1,0	20°	1 FTG+2/20° ATB	<b>271.136.18D</b>
136	20		18	1,5	1,0	20°	1 FTG+2/20° ATB	<b>271.136.18H</b>
150	20		18	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.150.18H</b>
160	16		18	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.160.18E</b>
160	20	2/6/32	18	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.160.18H</b>
165	16		18	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.165.18</b>
165	20		24	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.165.24H</b>
184	16		24	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.184.24E</b>
184	20		24	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.184.24H</b>
184	30	2/7/42	24	1,3	0,8	20°	1 FTG+2/20° ATB	<b>271.184.24M</b>
190	30	2/7/42	24	1,5	1,0	20°	1 FTG+2/20° ATB	<b>271.190.24M</b>
200	30	2/7/42	36	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.200.36M</b>
216	30		36	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.216.36M</b>
235	25		36	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.235.36L</b>
235	30	2/7/42	36	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.235.36M</b>
250	30	COMBI3	24	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.250.24M</b>
250	30	COMBI3	42	1,7	1,2	20°	1 FTG+2/15° ATB	<b>271.250.42M</b>
300	30	COMBI3	45	2,4	1,8	20°	1 FTG+2/15° ATB	<b>271.300.45M</b>

# Ultra thin-kerf fine compound mitre saw blades



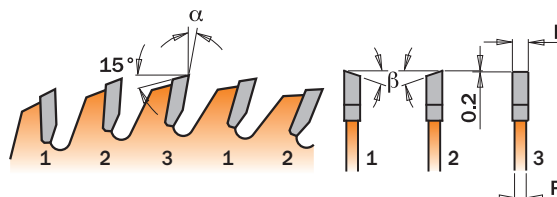
## 272

**APPLICATION:** for rip and crosscuts where the ultra thin-kerf reduces material wastes.  
**MACHINES:** table and mitre saws, portable and cordless machines.  
**MATERIAL:** soft and hardwood, plywood.



### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 5~8
- Grade ISO: K01
- Hardness (HV10): 1.840
- Transverse rupture strength (N/mm<sup>2</sup>): 2.050



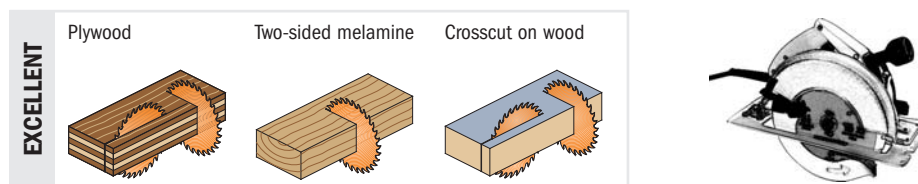
D mm	B mm	Pin Hole 	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
136	10		36	1,3	0,8	20°	1 FTG+2/15° ATB	<b>272.136.36D</b>
136	20		36	1,3	0,8	20°	1 FTG+2/15° ATB	<b>272.136.36H</b>
165	16		36	1,3	0,8	20°	1 FTG+2/20° ATB	<b>272.165.36</b>
165	20		36	1,3	0,8	20°	1 FTG+2/20° ATB	<b>272.165.36H</b>
184	30	2/7/42	42	1,3	0,8	20°	1 FTG+2/20° ATB	<b>272.184.42M</b>
190	30	2/7/42	42	1,3	0,8	20°	1 FTG+2/20° ATB	<b>272.190.42M</b>
250	30	COMBI3	60	1,7	1,2	20°	1 FTG+2/15° ATB	<b>272.250.60M</b>
300	30	COMBI3	72	2,4	1,8	20°	1 FTG+2/15° ATB	<b>272.300.72M</b>

# Ultra thin-kerf fine finishing saw blades



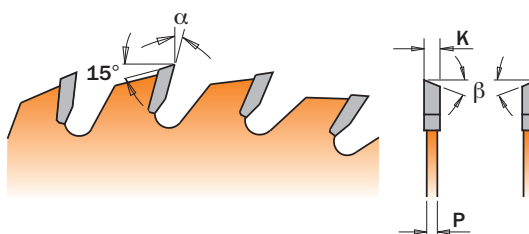
## 273

**APPLICATION:** for crosscuts, perfect finishing where the ultra thin-kerf reduces material wastes.  
**MACHINES:** table and mitre saws, portable and cordless machines.  
**MATERIAL:** soft, hard and exotic wood, wood-based panels, one-sided veneered, paper-based laminated.



### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 7~8
- **CHROMIUM** Grade ISO: KCR06
- Hardness (HV10): 1.950
- Transverse rupture strength (N/mm<sup>2</sup>): 2.300



D mm	B mm	Pin Hole 	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
250	30	COMBI3	80	1,7	1,2	15°	40° ATB	<b>273.250.80M</b>
300	30	COMBI3	96	2,4	1,8	15°	40° ATB	<b>273.300.96M</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessoires

Display Cabinets

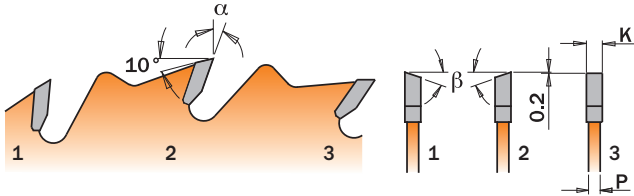
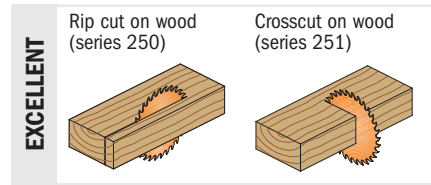
# Saw blades for building contractors

for portable machines

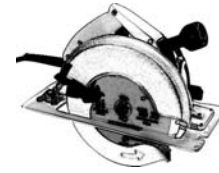


## 250-251

**APPLICATION:** for rip cuts especially designed for building contractors.  
**MACHINES:** portable and cordless machines.  
**MATERIAL:** single and hardwood, panels with nails, metal clips and pieces of concrete.



\*Kit 10 pcs.



D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
184	15,87 $\diamond$	24	1,9	1,2	20°	1FTG+2/20° ATB	<b>250.024.07</b>
184	15,87 $\diamond$	24	1,9	1,2	20°	1FTG+2/20° ATB	<b>250.024.07-X10*</b>
184	15,87 $\diamond$	40	1,9	1,2	20°	1FTG+4/20° ATB	<b>251.040.07</b>
184	15,87 $\diamond$	40	1,9	1,2	20°	1FTG+4/20° ATB	<b>251.040.07-X10*</b>

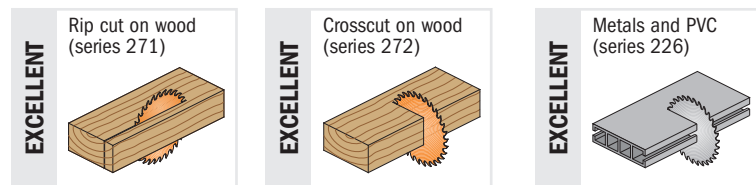
# Ultra thin-kerf saw blades

for cordless saws

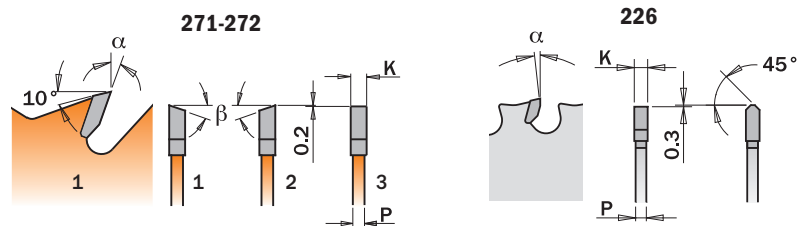


## 271-272-226

**APPLICATION (SERIES 271-272):** for rip and crosscuts where the ultra thin-kerf reduces material wastes.  
**MACHINES (SERIES 271-272):** portable cordless machines.  
**MATERIAL (SERIES 271-272):** soft and hardwood, plywood.



**APPLICATION (SERIES 226):** for crosscuts of different kinds of materials.  
**MACHINES (SERIES 226):** portable cordless machines.  
**MATERIAL (SERIES 226):** for ferrous materials and construction steel.



D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
<b>Ripping cordless saw blades (series 271)</b>							
136	10	18	1,5	1,0	20°	1FTG+2/20° ATB	<b>271.136.18D</b>
136	20	18	1,5	1,0	20°	1 FTG+2/20° ATB	<b>271.136.18H</b>
165	16	18	1,3	0,8	20°	1FTG+2/20° ATB	<b>271.165.18</b>
165	20	24	1,3	0,8	20°	1FTG+2/20° ATB	<b>271.165.24H</b>
184	16	24	1,3	0,8	20°	1FTG+2/20° ATB	<b>271.184.24E</b>
<b>Crosscutting cordless saw blades (series 272)</b>							
136	10	36	1,3	0,8	20°	1FTG+2/15° ATB	<b>272.136.36D</b>
136	20	36	1,3	0,8	20°	1FTG+2/15° ATB	<b>272.136.36H</b>
165	16	36	1,3	0,8	20°	1FTG+2/20° ATB	<b>272.165.36</b>
165	20	36	1,3	0,8	20°	1FTG+2/20° ATB	<b>272.165.36H</b>
<b>Metal, PVC and compound material cordless saw blades (series 226)</b>							
136,5	10	30	1,5	1,2	0°	TCG	<b>226.030.05</b>
136,5	20	30	1,5	1,2	0°	TCG	<b>226.030.05H</b>
165	16	36	1,5	1,2	0°	TCG	<b>226.036.06</b>

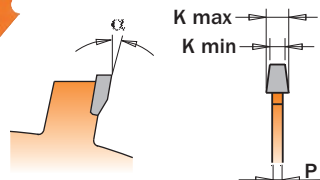


## DP saw blades for ultra-hard materials

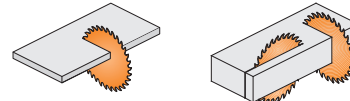
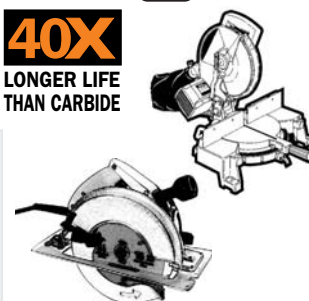

**CMT ORANGE TOOLS™**

**236**
**APPLICATION:** for rip and crosscuts on abrasive materials.

**MACHINES:** mitre saws, portable and cordless machines.

**MATERIAL:** cement fibre boards (Hardieplank® and Hardiepanel®), plasterboard, solid wood, panel materials, plastic.

**GOOD**

Hardieplank® and Hardiepanel®, chipboard, MDF, Corian, Duroplast, Formica, Thermoplast, and plasterboard.


**40X**  
LONGER LIFE  
THAN CARBIDE


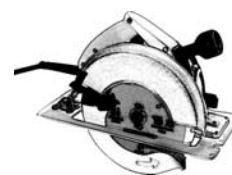
D mm	B mm	B inches	Pin Hole ⊕⊗	Z	K mm	P mm	α	β	ORDER NO.
160	20		2/6/32	4	2,1-2,2	1,6	12°	CONICAL	<b>236.160.04H</b>
160	20		2/6/32	10	2,1-2,2	1,6	12°	CONICAL	<b>236.160.10H</b>
180	20		2/6/32	4	2,1-2,2	1,6	12°	CONICAL	<b>236.180.04H</b>
184,5	15,87<>	5/8<>		4	1,6-1,7	1,4	12°	CONICAL	<b>236.004.07</b>
190	30		2/7/42	4	2,1-2,2	1,6	12°	CONICAL	<b>236.190.04M</b>
190	30		2/7/42	12	2,1-2,2	1,6	12°	CONICAL	<b>236.190.12M</b>
216	30			14	2,1-2,2	1,6	12°	CONICAL	<b>236.216.14M</b>
230	30		2/7/42	4	2,1-2,2	1,6	12°	CONICAL	<b>236.230.04M</b>
250	30		COMBI3	16	2,1-2,2	1,6	12°	CONICAL	<b>236.250.16M</b>
254	15,87	5/8		6	2,1-2,2	1,6	12°	CONICAL	<b>236.006.10</b>
300	30		COMBI3	20	2,1-2,2	1,6	12°	CONICAL	<b>236.300.20M</b>
305	25,4	1/2		8	2,1-2,2	1,6	12°	CONICAL	<b>236.008.12</b>

## Rip saw blades

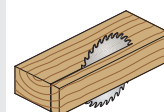
for portable machines


**290**
**APPLICATION:** for rip cuts.

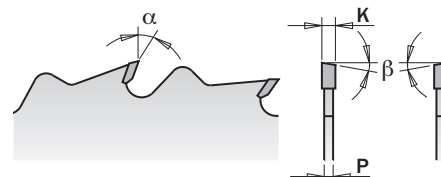
**MACHINES:** mitre saws and portable machines.

**MATERIAL:** soft and hardwood.

**EXCELLENT**

Rip cut on wood


**TECHNICAL DETAILS OF CARBIDE TEETH:**

- Teeth height mm: 6~8
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



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

# Crosscut saw blades

for portable machines

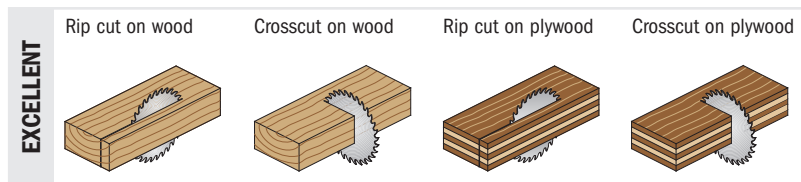


## 291

**APPLICATION:** for rip and crosscuts.

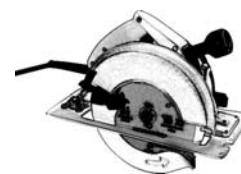
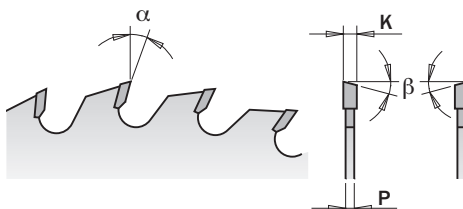
**MACHINES:** table and mitre saws, portable machines.

**MATERIAL:** soft and hardwood, plywood.



### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 6~8
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



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

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## Fine cut-off saw blades

for portable machines

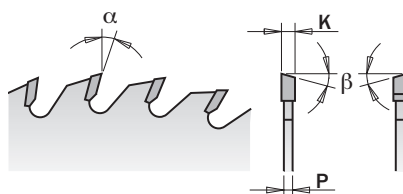
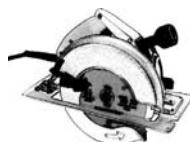
# CMT ORANGE TOOLS™



**292 APPLICATION:** for crosscuts, perfect finishing.

**MACHINES:** table and mitre saws, portable machines.

**MATERIAL:** soft, hard and exotic wood, wood-based panels, one-sided veneered, paper-based laminated.



### TECHNICAL DETAILS OF CARBIDE TEETH:

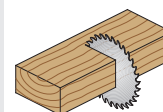
- Teeth height mm: 6~8
- Grade ISO: K10
- Hardness (HV10): 1.765
- Transverse rupture strength (N/mm<sup>2</sup>): 2.150



\* Suitable for  
Virutex machines

EXCELLENT

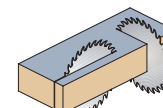
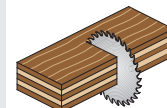
Crosscut on wood




Crosscut on plywood

Two-sided melamine

GOOD



D mm	B mm	Pin Hole 	Z	K mm	P mm	α	β	ORDER NO.
120	20	2/5,5/30	40	1,8	1,0	10°	15° ATB	<b>292.120.40H</b>
150	20		40	2,4	1,4	15°	15° ATB	<b>292.150.40H</b>
160	16		40	2,6	1,6	10°	15° ATB	<b>292.160.40E</b>
160	20	2/6/32	40	2,6	1,6	10°	15° ATB	<b>292.160.40H</b>
160*	20	4/7/32 (45°)	40	2,4	1,6	10°	TCG	<b>281.160.40H</b>
160	30	2/7/42	40	2,6	1,6	10°	15° ATB	<b>292.160.40M</b>
160	20	2/7/42	56	2,6	1,6	15°	15° ATB	<b>292.160.56H</b>
165	20	2/6/32	40	2,6	1,6	10°	15° ATB	<b>292.165.40H</b>
165	30	2/7/42	40	2,6	1,6	15°	15° ATB	<b>292.165.40M</b>
170	30	2/7/42	40	2,6	1,6	15°	15° ATB	<b>292.170.40M</b>
180	20	2/6/32	40	2,6	1,6	15°	15° ATB	<b>292.180.40H</b>
180	30	2/7/42	40	2,6	1,6	15°	15° ATB	<b>292.180.40M</b>
184	16		40	2,6	1,6	15°	15° ATB	<b>292.184.40E</b>
184	30		40	2,6	1,6	15°	15° ATB	<b>292.184.40M</b>
190	16	2/6/32	40	2,6	1,6	15°	15° ATB	<b>292.190.40E</b>
190	20	2/6/32	40	2,6	1,6	15°	15° ATB	<b>292.190.40H</b>
190	30	2/7/42	40	2,6	1,6	15°	15° ATB	<b>292.190.40M</b>
190	30	2/7/42	64	2,6	1,6	15°	15° ATB	<b>292.190.64M</b>
190	20 (Festool® FF)	Key 5/7/2,5	48	2,4	1,6	10°	15° ATB	<b>292.190.48FF</b>
200	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.200.48M</b>
210	25		48	2,8	1,8	15°	15° ATB	<b>292.210.48L</b>
210	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.210.48M</b>
210	30	2/7/42	64	2,8	1,8	15°	15° ATB	<b>292.210.64M</b>
216	30		64	2,8	1,8	-5° Neg.	15° ATB	<b>292.216.64M</b>
220	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.220.48M</b>
225	30	2/7/42	48	2,8	1,8	10°	15° ATB	<b>292.225.48M</b>
230	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.230.48M</b>
230	30	2/7/42+2/10/60	64	2,8	1,8	15°	15° ATB	<b>292.230.64M</b>
235	25		48	2,8	1,8	15°	15° ATB	<b>292.235.48L</b>
235	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.235.48M</b>
240	30	2/7/42	48	2,8	1,8	15°	15° ATB	<b>292.240.48M</b>
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	<b>285.060.10M</b>
260	30	2/10/60 + 2/7/42	60	2,8	1,8	10°	15° ATB	<b>285.060.11M</b>

## Garden trimmer saw blades



**298 APPLICATION:** for cutting grass, bushes and small trees.

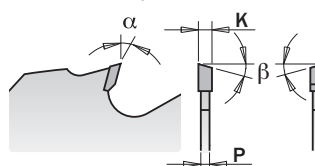
**MACHINES:** hedge trimmers.

**MATERIAL:** grass, bushes and small trees.

**WARNING:** *please* always wear safety glasses and ear protection  
*please* always use the safety guard provided with your machines.

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 6
- Grade ISO: special
- Hardness (HV10): 1.550
- Transverse rupture strength (N/mm<sup>2</sup>): 2.600



EXCELLENT



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

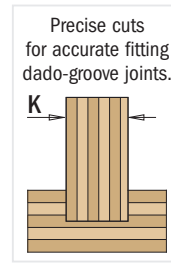
# Precision dado

**230** CMT thoroughly researched the shortcomings of “standard” dado sets and learned what cabinet makers required most from an “ideal” dado. The result was the superior CMT precision dado, designed with the following features:

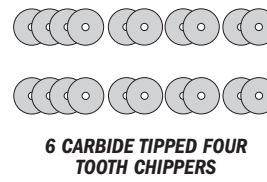
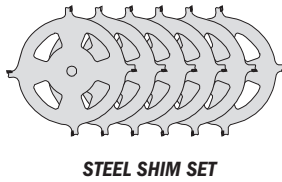
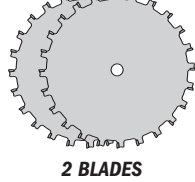
- anti-kickback design to reduce the possibility of overfeeding that can occur when cutting mass material.
- splinter resistant cuts in veneer plywood, melamine and hard and soft woods;
- shim sets included for cuts between 6,35mm (1/4”) and 22,23mm (7/8”).



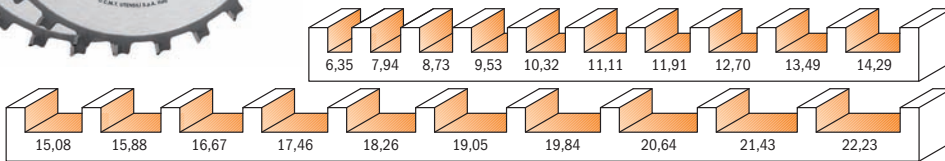
Splinter resistant cuts in all woods, plywoods and wood composites.



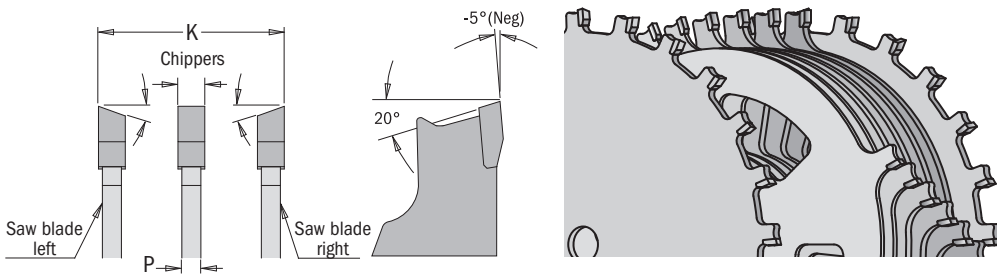
**Set includes:**



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

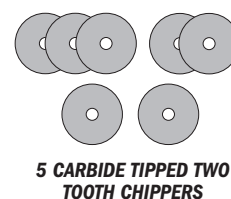
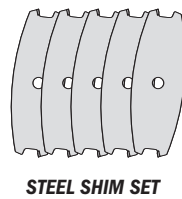
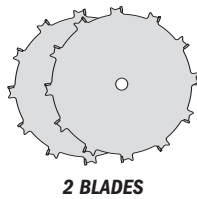


K mm	Number of required inside blades		
	1,6mm	2,4mm	3,2mm
6,35	0	0	0
7,94	1	0	0
8,73	0	1	0
9,53	0	0	1
10,32	1	1	0
11,11	1	0	1
11,91	0	1	1
12,70	0	0	2
13,49	1	1	1
14,29	1	0	2
15,08	0	1	2
15,88	0	0	3
16,67	1	1	2
17,46	1	0	3
18,26	0	1	3
19,05	0	0	4
19,84	1	1	3
20,64	1	0	4
21,43	0	1	4
22,23	1	1	4

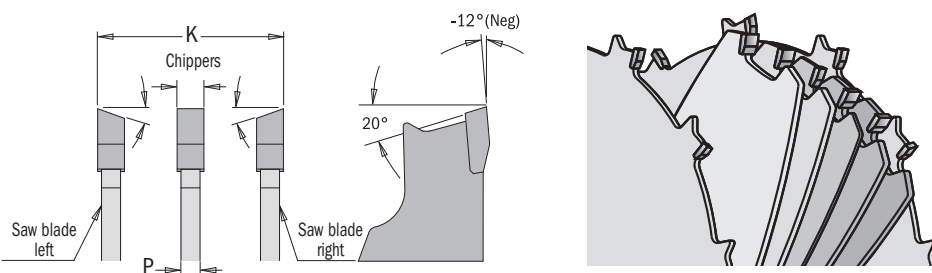
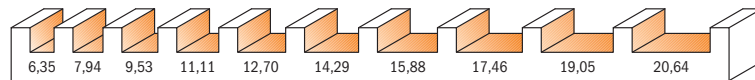


D mm	B mm	Z	P (inside blades)			K		α	β	ORDER NO.
			3,2mm	2,4mm	1,6mm	min.	max			
150	15,87	20	4 pcs.	1 pcs.	1 pcs.	6,35 - 22,23	-5°	FTG+ATB	<b>230.520.06</b>	
200	15,87	24	4 pcs.	1 pcs.	1 pcs.	6,35 - 22,23	-5°	FTG+ATB	<b>230.524.08</b>	
200	30	24	4 pcs.	1 pcs.	1 pcs.	6,35 - 22,23	-5°	FTG+ATB	<b>230.524.08M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

**Set includes:**



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



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

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

# Grooving saw blades

industrial line



## 240

**APPLICATION:** for grooving cuts or for rebating, chamfering, grooving and profiling as a set of tools.

**MACHINES:** double-end tenoner and moulding machines.

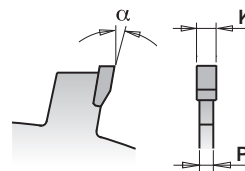
**MATERIAL:** soft and hardwood, wood-based panels, plastic.



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

### TECHNICAL DETAILS OF CARBIDE TEETH:

- Teeth height mm: 10
- Grade ISO: K01
- Hardness (HV10): 1.840
- Transverse rupture strength (N/mm<sup>2</sup>): 2.050



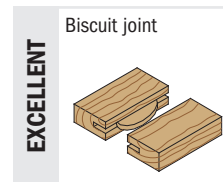
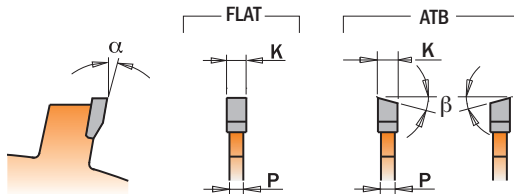
D mm	B mm	Z	K mm	P mm	α	β	ORDER NO.
150	30	12	2,0	1,4	15°	FLAT	240.020.06M
150	35	12	2,0	1,4	15°	FLAT	240.020.06R
150	30	12	3,0	2,0	15°	FLAT	240.030.06M
150	35	12	3,0	2,0	15°	FLAT	240.030.06R
150	30	12	4,0	3,0	15°	FLAT	240.040.06M
150	35	12	4,0	3,0	15°	FLAT	240.040.06R
150	30	12	5,0	3,0	15°	FLAT	240.050.06M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

# Biscuit joiner saw blades



## 240-241

CMT's 100mm biscuit joiner saw blades with orange PTFE industrial coating trademark make biscuit joints quickly and easily. High-grade German steel and 8 micrograin carbide-tipped teeth guarantee years of use. These blades fit Lamello, Dewalt, Porter-Cable, Skil, Bosch, Freud and other popular biscuit joints models.



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

\* For Virutex, Porter-Cable machines

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

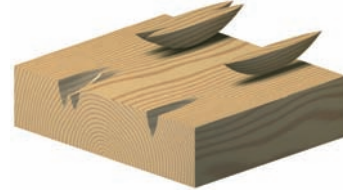
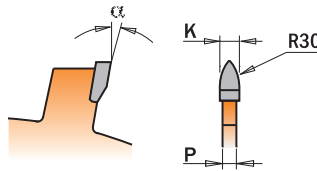
Display Cabinets

## Mini-spot circular saw blade for Lamello



### 240.004.04

The new CMT mini-spot saw blade is ideal for any type of repairing on solid wood. Resin, knots and other wood flaws are no longer a problem. Thanks to this product and original patches the cut points will be covered up perfectly. After repairing, the patches will practically be invisible, because the wood and patches grains will match in the same direction. For use with Lamello or other machines.



D mm	B mm	Z	K mm	P mm	α	β	ORDER NO.
100	22	4	8,0	6,0	18°	R30	<b>240.004.04</b>

## Balance blade & sanding disks



### 299.11



Before starting a saw project, balance your CMT blade in your table saw with the CMT balance blade and sanding disk. Mount the balance blade in your table saw and line it up with a square for accuracy. Remove the balance blade and mount your saw blade for true and precise cuts. You can also use the balance blade as a sander by attaching a self-stick sandpaper.



D mm	B mm	P mm	ORDER NO.
200	15,87	2,8	<b>299.111.00</b>
200	30	2,8	<b>299.111.00M</b>
250	15,87	2,8	<b>299.112.00</b>
250	30	2,8	<b>299.112.00M</b>

## Saw blades stabilizers



### 299.10

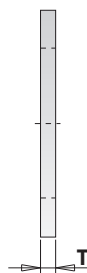
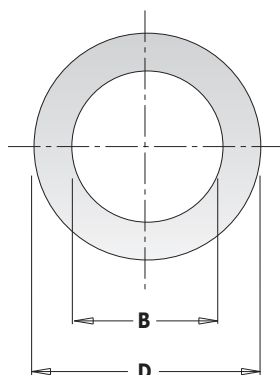
The CMT blade stabilizer virtually eliminates rim vibration to make cleaner, straighter cuts and extend the life of your CMT saw blade. It also helps eliminate distracting noise caused by vibration during cutting.

NOTE: use on stationary saws only. Each order includes 2 stabilizers.



Description	D mm	B mm	P mm	ORDER NO.
Stabilizer (2 pcs.) for Ø200mm	75	15,87	3,0	<b>299.101.00</b>
Stabilizer (2 pcs.) for Ø200mm	75	30	3,0	<b>299.101.00M</b>
Stabilizer (2 pcs.) for Ø250mm	125	15,87	3,0	<b>299.102.00</b>
Stabilizer (2 pcs.) for Ø250mm	125	30	3,0	<b>299.102.00M</b>
Stabilizer (2 pcs.) for Ø305mm	152	25,4	3,0	<b>299.103.00</b>

## Reduction rings for saw blades



### 299

D mm	B mm	T mm	ORDER NO.	D mm	B mm	T mm	ORDER NO.
15,87	10	1,2	<b>299.218.00</b>	30	16	2,0	<b>299.226.00</b>
15,87	12,7	1,2	<b>299.217.00</b>	30	18	1,4	<b>299.232.00</b>
20	12,7	1,2	<b>299.221.00</b>	30	20	1,4	<b>299.224.00</b>
20	16	1,2	<b>299.222.00</b>	30	22	1,4	<b>299.231.00</b>
20	18	1,4	<b>299.236.00</b>	30	20	2,0	<b>299.227.00</b>
25,4	15,87	1,4	<b>299.216.00</b>	30	25	1,4	<b>299.225.00</b>
25,4	19,05	1,4	<b>299.213.00</b>	30	25	2,0	<b>299.228.00</b>
25,4	20	1,4	<b>299.214.00</b>	30	25,4	2,0	<b>299.212.00</b>
25,4	22	1,4	<b>299.215.00</b>	32	30	2,0	<b>299.229.00</b>
30	15,87	1,4	<b>299.211.00</b>	35	30	2,0	<b>299.230.00</b>
30	16	1,4	<b>299.223.00</b>	35	32	2,0	<b>299.233.00</b>

# Saw blades for portable machines



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

MACHINE	D mm	B mm	RIPPING ORDER NO.	UNIVERSAL ORDER NO.	FINE CUT OFF ORDER NO.
<b>AEG</b>					
HK125A, HK125B	125	20		291.125.20H	
TKS42	130	20		291.130.20H	
HK40	140	20		291.140.20H	
HK45A, HK46S, HK52, HK737, HK46N, HKS52, AHK52, HKS46	150	20	290.150.12H	291.150.24H	292.150.40H
K55, K55E, K160, HK55	160	20	290.160.12H	291.160.24H	292.160.40H
HK190, HK65, HK66, HKS65, HKS66, HKSE66, K66,	190	30	290.190.12M	291.190.24M	292.190.40M
HK201	200	30	290.200.24M	291.200.36M	292.200.48M
HK75, HKS75	210	30	290.210.24M	291.210.36M	292.210.48M
HKS85, HKS35	230	30	290.230.24M	291.230.36M	292.230.48M
HK240	240	30	290.240.24M	291.240.36M	292.240.48M
<b>ATLAS COPCO</b>					
TKS42	130	20		291.130.20H	
K55S, K55SE	160	20	290.160.12H	291.160.24H	292.160.40H
K66S, K66SE	190	30	290.190.12M	291.190.24M	292.190.40M
HKS75	210	30	290.210.24M	291.210.36M	292.210.48M
HKS85	230	30	290.230.24M	291.230.36M	292.230.48M
<b>BLACK &amp; DECKER</b>					
BD855, KS855, U336, U975, U976	160	16	290.160.12E	291.160.24E	292.160.40E
SEC718, BD865E, KS865, P37-03, P37-05, DN229, DN59, DN820, HD1000, HD2062, SR300, SR362E, HD1100, BD229	184	16	290.180.12E	291.184.24E	292.184.40E
DN800, SEC818, DN810, SR700, BD800	210	30	290.210.24M	291.210.36M	292.210.48M
P39-02, SEC918	235	30	290.235.24M	291.235.36M	292.235.48M
<b>BOSCH</b>					
1551, 1559	140	20		291.140.20H	
GKS12V, PKS46, S1, S33, GKS46	150	16		291.150.24E	
GKS54, PKS54	160	16	290.160.12E	291.160.24E	292.160.40E
GKS55, 1552, 1556, 1563	170	30		291.170.24M	292.170.40M
1550, 1557, 1560	180	30	290.180.12M	291.180.24M	292.180.40M
P30, P300, PKS65	190	16	290.190.12E	291.190.24E	292.190.40E
PKS66, GKS65, GKS66, GKS68, 0051, 1564, 1553	190	30	290.190.12M	291.190.24M	292.190.40M
1561	200	30	290.200.24M	291.200.36M	292.200.48M
1554, 1558, 1565, GKS75S	210	30	290.210.24M	291.210.36M	292.210.48M
0052, 1562, 1566					
GKS85S	230	30	290.230.24M	291.230.36M	292.230.48M
1555	240	30	290.240.24M	291.240.36M	292.240.48M
<b>CASALS</b>					
BSC150, VSC50	150	20	290.150.12H	291.150.24H	292.150.40H
SC210, VSC70	210	30	290.210.24M	291.210.36M	292.210.48M
SC230	230	30	290.230.24M	291.230.36M	292.230.48M

MACHINE	D mm	B mm	RIPPING ORDER NO.	UNIVERSAL ORDER NO.	FINE CUT OFF ORDER NO.
<b>DeWALT</b>					
DW351	150	20	290.150.12H	291.150.24H	292.150.40H
DW62	184	30	290.180.12M	291.184.24M	292.184.40M
DW65, DW365	190	30	290.190.12M	291.190.24M	292.190.40M
DW700, DW701, DW707	216	30	290.216.24M	291.216.48M	292.216.64M
DW383	235	30	290.235.24M	291.235.36M	292.235.48M
DW86	240	30	290.240.24M	291.240.36M	292.240.48M
DW250, DW252, DW320, 1251, 1501, 1503, DW710, DW125, DW150, DW720, DW742	250	30	290.250.24M	285.040.10M	285.060.10M
<b>ELEKTRA-BECKUM</b>					
KS250, KGS250, GKS300	250	30	290.250.24M	285.040.10M	285.060.10M
<b>ELU</b>					
MH151	150	20	290.150.12H	291.150.24H	292.150.40H
MH155, MH55	170	30		291.170.24M	292.170.40M
MH65	180	30	290.180.12M	291.180.24M	292.180.40M
MH165, 265	190	30	290.190.12M	291.190.24M	292.190.40M
MH182, MH30, MH82	210	30	290.210.24M	291.210.36M	292.210.48M
PS174, PS274	216	30	290.216.24M	291.216.48M	292.216.64M
MH85	240	30	290.240.24M	291.240.36M	292.240.48M
TKS171, 170, 171 172, 173	250	30	290.250.24M	285.040.10M	285.060.10M
<b>FEIN</b>					
SSK646	150	20	290.150.12H	291.150.24H	292.150.40H
SSK660	160	20	290.160.12H	291.160.24H	292.160.40H
SSK661	210	30	290.210.24M	291.210.36M	292.210.48M
<b>FELISATTI</b>					
TP751	150	20	290.150.12H	291.150.24H	292.150.40H
TP765, TP766	190	30	290.190.12M	291.190.24M	292.190.40M
<b>FESTO</b>					
AUF35, S4	125	20		291.125.20H	
ATF55, AP55	160	20	290.160.12H	291.160.24H	292.160.40H
AU50, AUP50, AAU	160	30		291.160.24M	292.160.40M
AT5E, AUT42S, AU42S, AXT50LA, AXT55	170	30		291.170.24M	292.170.40M
AU55S, AU60P, AU60S, AUT60S	180	30	290.180.12M	291.180.24M	292.180.40M
AD65, AU65S, AXP65, AP68E, AUT65S	200	30	290.200.24M	291.200.36M	292.200.48M
PRECISIO CS 50	190	20		291.190.32FF	292.190.48FF
AU77S	220	30	290.220.24M	291.220.36M	292.220.48M
AXP85, AP88E, AP85E	240	30	290.240.24M	291.240.36M	292.240.48M
AD85-1, AE85	250	30	290.250.24M	285.040.10M	285.060.10M
<b>FLOTTJET</b>					
1011, 2011, 3011	250	30	290.250.24M	285.040.10M	285.060.10M
<b>FREUD</b>					
FC5184	184	30	290.180.12M	291.184.24M	292.184.40M
FTR250T	250	30	290.250.24M	285.040.10M	285.060.10M
<b>HAFFNER</b>					
KSU105	125	20		291.125.20H	
KSU50	160	20	290.160.12H	291.160.24H	292.160.40H
KSU110	170	30		291.170.24M	292.170.40M
KSU60	180	20		291.180.24H	292.180.40H

# Saw blades for portable machines

MACHINE	D mm	B mm	RIPPING ORDER NO.	UNIVERSAL ORDER NO.	FINE CUT OFF ORDER NO.
<b>HAFFNER</b>					
KSU113	180	30	290.180.12M	291.180.24M	292.180.40M
AKS	200	30	290.200.24M	291.200.36M	292.200.48M
KS75	210	30	290.210.24M	291.210.36M	292.210.48M
KL177, KL178, KSU118	220	30	290.220.24M	291.220.36M	292.220.48M
KL176, KS85, KSU85, SP187	235	30	290.235.24M	291.235.36M	292.235.48M
SP196, SP197, AKS, SP189, TGS161, TGS162					
TGS163, GS165, GS166, GS1, 2W, 2D, SP195, TGS198, GS150	250	30	290.250.24M	285.040.10M	285.060.10M
<b>HITACHI</b>					
C5Y	125	20		291.125.20H	
C5, FC5, FC5SA	150	20	290.150.12H	291.150.24H	292.150.40H
C6DA, FC6DA	160	20	290.160.12H	291.160.24H	292.160.40H
C6SA, PSU6	170	30		291.170.24M	292.170.40M
FC7SA, PSM-7, PSU-7	190	30	290.190.12M	291.190.24M	292.190.40M
C8U, C8FA, PSM-8, PSU-8	210	30	290.210.24M	291.210.36M	292.210.48M
C8FC	216	30	290.216.24M	291.216.48M	292.216.64M
C9U, PSM9, PSU9	235	30	290.235.24M	291.235.36M	292.235.48M
<b>HOLZ-HER</b>					
Derby, Mosquito, 2110, 2111, 2171	130	20		291.130.20H	
2260, 2270	140	20		291.140.20H	
2103, 2104, 2105, 2106, 2107, 2108, HKU50/264	160	20	290.160.12H	291.160.24H	292.160.40H
1563, 2115, 2266, 2271, 2281	170	30		291.170.24M	292.170.40M
HKU55, 2112, 2272, 2291	180	30	290.180.12M	291.180.24M	292.180.40M
2114, 2116, 2117, 2119, 2126, 2269, 2282	190	30	290.190.12M	291.190.24M	292.190.40M
HK201, 2113, 2292, 2555	200	30	290.200.24M	291.200.36M	292.200.48M
PKS267, 2267, 2284	210	30	290.210.24M	291.210.36M	292.210.48M
HKU75, 2274, 2279	220	30	290.220.24M	291.220.36M	292.220.48M
2118, 2120, 2171, 2293, 2294	230	30	290.230.24M	291.230.36M	292.230.48M
HKD65, 2268	240	30	290.240.24M	291.240.36M	292.240.48M
<b>KITY</b>					
0618	200	30	290.200.24M	291.200.36M	292.200.48M
<b>KRESS</b>					
CHKS 6055 /6050	160	20	290.160.12H	291.160.24H	292.160.40H
CHKS 6060 /1600	190	20	290.190.12H	291.190.24H	292.190.40H
<b>MAFELL</b>					
SF32, X40, XE40	125	20		291.125.20H	
MKS55, MS55, PS52, B55, FU50, X55, XE55, A55	160	20	290.160.12H	291.160.24H	292.160.40H
KS320	160	30		291.160.24M	292.160.40M
MKS65, MS65	190	30	290.190.12M	291.190.24M	292.190.40M

MACHINE	D mm	B mm	RIPPING ORDER NO.	UNIVERSAL ORDER NO.	FINE CUT OFF ORDER NO.
B65, X72	200	30	290.200.24M	291.200.36M	292.200.48M
HKS75, MS75	210	30	290.210.24M	291.210.36M	292.210.48M
B82	240	30	290.240.24M	291.240.36M	292.240.48M
MKS85, MS85, Erika 85	250	30	290.250.24M	285.040.10M	285.060.10M
<b>MAKITA</b>					
5600B	150	20	290.150.12H	291.150.24H	292.150.40H
5600NB, 5600RDW	160	20	290.160.12H	291.160.24H	292.160.40H
5800B, 5801B	180	20		291.180.24H	292.180.40H
5800BR	190	20	290.190.12H	291.190.24H	292.190.40H
5703R	190	30	290.190.12M	291.190.24M	292.190.40M
SR2100, LS0810	210	25	290.210.24L	291.210.36L	292.210.48L
SR2300, 5900B-R	235	25	290.235.24L	291.235.36L	292.235.48L
5903R	235	30	290.235.24M	291.235.36M	292.235.48M
<b>METABO</b>					
BTK0, KS0846S, KS0852S, 4341S, 61+2, KS52S, KS0946S	150	20	290.150.12H	291.150.24H	292.150.40H
BTK1, KS1155S	160	20	290.160.12H	291.160.24H	292.160.40H
6317S	180	20		291.180.24H	292.180.40H
KS4345S, 5348, KS4346S, KS65S, KS1468, KSE1668					
KS1266S	190	20	290.190.12H	291.190.24H	292.190.40H
KSE1678 KGS1670	210	30	290.210.24M	291.210.36M	292.210.48M
6322-S	220	30	290.220.24M	291.220.36M	292.220.48M
KS6323, KS1785S	240	30	290.240.24M	291.240.36M	292.240.48M
TK168S, TK1685, TK1688, TKU1633, TKU1693	250	30	290.250.24M	285.040.10M	285.060.10M
<b>PERLES</b>					
KS 50	150	20	290.150.12H	291.150.24H	292.150.40H
KS 70	210	30	290.210.24M	291.210.36M	292.210.48M
<b>RYOBI</b>					
MS 50	150	16		291.150.24E	
MS45, MS45E	150	20	290.150.12H	291.150.24H	292.150.40H
FM, W5502C	160	16	290.160.12E	291.160.24E	292.160.40E
MS 55	160	20	290.160.12H	291.160.24H	292.160.40H
MS 65	190	30	290.190.12M	291.190.24M	292.190.40M
MS 70	200	30	290.200.24M	291.200.36M	292.200.48M
MS 85, MS 80	220	30	290.220.24M	291.220.36M	292.220.48M
MS 85	230	30	290.230.24M	291.230.36M	292.230.48M
FM10A, 3100, 4200	240	30	290.240.24M	291.240.36M	292.240.48M
<b>SKIL</b>					
5246S	150	16		291.150.24E	
1850, 1850 H	150	20	290.150.12H	291.150.24H	292.150.40H
416, 534, 536, 552	160	16	290.160.12E	291.160.24E	292.160.40E
77, 537, 553, BIH, 559, 574, 857, 1865	184	16		291.184.24E	292.184.40E
1865, 5266, 5366, 5466	190	16	290.190.12E	291.190.24E	292.190.40E
1965, 5566, 5666	190	30	290.190.12M	291.190.24M	292.190.40M
1524H, 1873H	210	30	290.210.24L	291.210.36L	292.210.48L
1525, 1886, 1985, 1986	235	30	290.235.24M	291.235.36M	292.235.48M
<b>STAYER</b>					
Profiline, CP 46	140	20		291.140.20H	
CP 50	150	20	290.150.12H	291.150.24H	292.150.40H
SLL250, SCE250, CP66	250	30	290.250.24M	285.040.10M	285.060.10M



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D mm	B mm	Application	Z	K mm	P mm	α	β	ORDER NO.	Page
70	20	Panel sizing	8+8	2,8-3,6		15°	FLAT	289.070.16H	22
80	20	Panel sizing	10+10	2,8-3,6		15°	FLAT	289.080.20H	22
100	20	Panel sizing	10+10	2,8-3,6		15°	FLAT	289.100.20H	22
100	22	Panel sizing	10+10	2,8-3,6		15°	FLAT	289.100.20K	22
100	20	Panel sizing	20	3,1-4	2,5	5°	CONICAL	288.100.20H	22
100	22	Panel sizing	20	3,1-4	2,5	5°	CONICAL	288.100.20K	22
100	22	Grooving	4	8,0	6,0	18°	R30	240.004.04	35
100	22	Grooving	6	3,96	3,0	18°	10° ATB	240.006.04	34
100	22	Grooving	8	3,96	3,0	15°	10° ATB	240.008.04	34
100	22	Grooving	8	3,96	3/3,1	15°	FLAT	241.008.04	34
120	20	Panel sizing	12+12	2,8-3,6		15°	FLAT	289.120.24H	22
120	22	Panel sizing	12+12	2,8-3,6		15°	FLAT	289.120.24K	22
120	20	Panel sizing	20	3,1-3,7		5°	CONICAL	238.120.20H	22
120	20	Panel sizing	24	3,1-4	2,5	5°	CONICAL	288.120.24H	22
120	20	Panel sizing	24	3,4-4,6	2,5	5°	CONICAL	288.120.24H1	22
120	22	Panel sizing	24	3,1-4,0	2,5	5°	CONICAL	288.120.24K	22
120	20	Portables machines	40	1,8	1,0	10°	15° ATB	292.120.40H	32
125	20	Panel sizing	12+12	2,8-3,6		15°	FLAT	289.125.24H	22
125	22	Panel sizing	12+12	2,8-3,6		15°	FLAT	289.125.24K	22
125	20	Panel sizing	20	3,1-3,7		5°	CONICAL	238.125.20H	20
125	20	Portables machines	20	2,4	1,4	15°	15° ATB	291.125.20H	31
125	20	Panel sizing	24	3,1-4	2,5	5°	CONICAL	288.125.24H	22
125	20	Panel sizing	24	3,4-4,6	2,5	5°	CONICAL	288.125.24H1	22
125	20	Panel sizing	24	4,3-5,5	3,2	5°	CONICAL	288.125.24H2	22
125	22	Panel sizing	24	3,1-4,0	2,5	5°	CONICAL	288.125.24K	22
125	45	Panel sizing	24	4,3-5,5	3,2	5°	CONICAL	288.125.24Q	22
130	16	Portables machines	12	1,3	0,8	25°	1 FTG+2/20° ATB	271.130.12E	27
130	20	Portables machines	20	2,4	1,4	15°	15° ATB	291.130.20H	31
136	10	Portables machines	18	1,5	1,0	20°	1 FTG+2/20° ATB	271.136.18D	27,29
136	10	Portables machines	36	1,3	0,8	20°	1FTG+2/15° ATB	272.136.36D	28-29
136	20	Portables machines	18	1,5	1,0	20°	1 FTG+2/20° ATB	271.136.18H	27,29
136	20	Portables machines	36	1,3	0,8	20°	1FTG+2/15°?ATB	272.136.36H	28-29
136,5	10	Metal	30	1,5	1,2	0°	TCG	226.030.05	25,29
136,5	20	Metal	30	1,5	1,2	0°	TCG	226.030.05H	25,29
140	20	Portables machines	20	2,4	1,4	15°	15° ATB	291.140.20H	31
140	16	Panel sizing	24	3,1-4	2,2	10°	CONICAL	Y288.140.24E	22
150	20	Portables machines	12	2,4	1,4	20°	10° ATB	290.150.12H	30
150	30	Grooving	12	2,0	1,4	15°	FLAT	240.020.06M	34
150	30	Grooving	12	3,0	2,0	15°	FLAT	240.030.06M	34
150	30	Grooving	12	4,0	3,0	15°	FLAT	240.040.06M	34
150	30	Grooving	12	5,0	3,0	15°	FLAT	240.050.06M	34
150	30	Grooving	12	6,0	3,0	15°	FLAT	240.060.06M	34
150	35	Grooving	12	2,0	1,4	15°	FLAT	240.020.06R	34
150	35	Grooving	12	3,0	2,0	15°	FLAT	240.030.06R	34
150	35	Grooving	12	4,0	3,0	15°	FLAT	240.040.06R	34
150	35	Grooving	12	5,0	3,0	15°	FLAT	240.050.06R	34
150	35	Grooving	12	6,0	3,0	15°	FLAT	240.060.06R	34
150	20	Portables machines	18	1,3	0,8	20°	1 FTG+2/20° ATB	271.150.18H	27
150	15,87	Grooving	20	3,2		-5°	FTG+ATB	230.520.06	33
150	16	Portables machines	24	2,4	1,4	15°	15° ATB	291.150.24E	31
150	20	Portables machines	24	2,4	1,4	15°	15° ATB	291.150.24H	31
150	45	Panel sizing	36	4,3-5,5	3,2	10°	CONICAL	288.150.36Q	22
150	20	Portables machines	40	2,4	1,4	15°	15° ATB	292.150.40H	32
150	30	Wood	48	3,2	2,2	5°	15° ATB	285.048.06M	14
160	16	Portables machines	12	2,6	1,6	20°	10° ATB	290.160.12E	30
160	20	Abrasive materials	10	2,1-2,2	1,6	12°	CONICAL	236.160.10H	30
160	20	Portables machines	12	2,6	1,6	20°	10° ATB	290.160.12H	30
160	16	Portables machines	18	1,3	0,8	20°	1 FTG+2/20° ATB	271.160.18E	27
160	20	Portables machines	18	1,3	0,8	20°	1 FTG+2/20° ATB	271.160.18H	27
160	16	Portables machines	24	2,6	1,6	15°	15° ATB	291.160.24E	31
160	20	Portables machines	24	2,6	1,6	15°	15° ATB	291.160.24H	31
160	30	Portables machines	24	2,6	1,6	15°	15° ATB	291.160.24M	31
160	20	Metal	30	2,0	1,6	0°	TCG	226.030.06H	25
160	20	Two-sided melamine	34	2,6	1,8	10°	HDF	287.034.06H	16
160	45	Panel sizing	36	4,3-5,5	3,2	10°	CONICAL	288.160.36Q	22
160	55	Panel sizing	36	4,3-5,5	3,2	10°	CONICAL	288.160.36Q	22
160	55	Panel sizing	36	4,7-6,0	3,5	10°	CONICAL	Y288.160.36Q2	22
160	20	Abrasive materials	4	2,1-2,2	1,6	12°	CONICAL	236.160.04H	30
160	16	Portables machines	40	2,6	1,6	10°	15° ATB	292.160.40E	32
160	20 (Virutex)	Portables machines	40	2,4	1,6	10°	TCG	281.160.40H	19,32
160	20	Aluminium	40	2,8	2,2	-6° Neg.	TCG	296.160.40H	23
160	20	Portables machines	40	2,6	1,6	10°	15° ATB	292.160.40H	32
160	30	Portables machines	40	2,6	1,6	10°	15° ATB	292.160.40M	32
160	20	Aluminium	56	2,8	2,2	-6° Neg.	TCG	296.160.56H	23
160	20	Portables machines	56	2,6	1,6	15°	15° ATB	292.160.56H	32
165	16	Portables machines	18	1,3	0,8	20°	1 FTG+2/20° ATB	271.165.18	27,29
165	20	Portables machines	24	2,6	1,6	15°	15° ATB	291.165.24H	31
165	20	Portables machines	24	1,3	0,8	20°	1FTG+2/20° ATB	271.165.24H	27,29
165	30	Portables machines	24	2,6	1,6	15°	15° ATB	291.165.24M	31
165	15,87	Metal	36	1,5	1,2	0°	TCG	226.036.06	25,29
165	20	Metal	36	1,5	1,2	0°	TCG	226.036.06H	25
165	16	Portables machines	36	1,3	0,8	20°	1 FTG+2/20° ATB	272.165.36	28-29
165	20	Portables machines	36	1,3	0,8	20°	1FTG+2/20° ATB	272.165.36H	28-29
165	20	Portables machines	40	2,6	1,6	10°	15° ATB	292.165.40H	32



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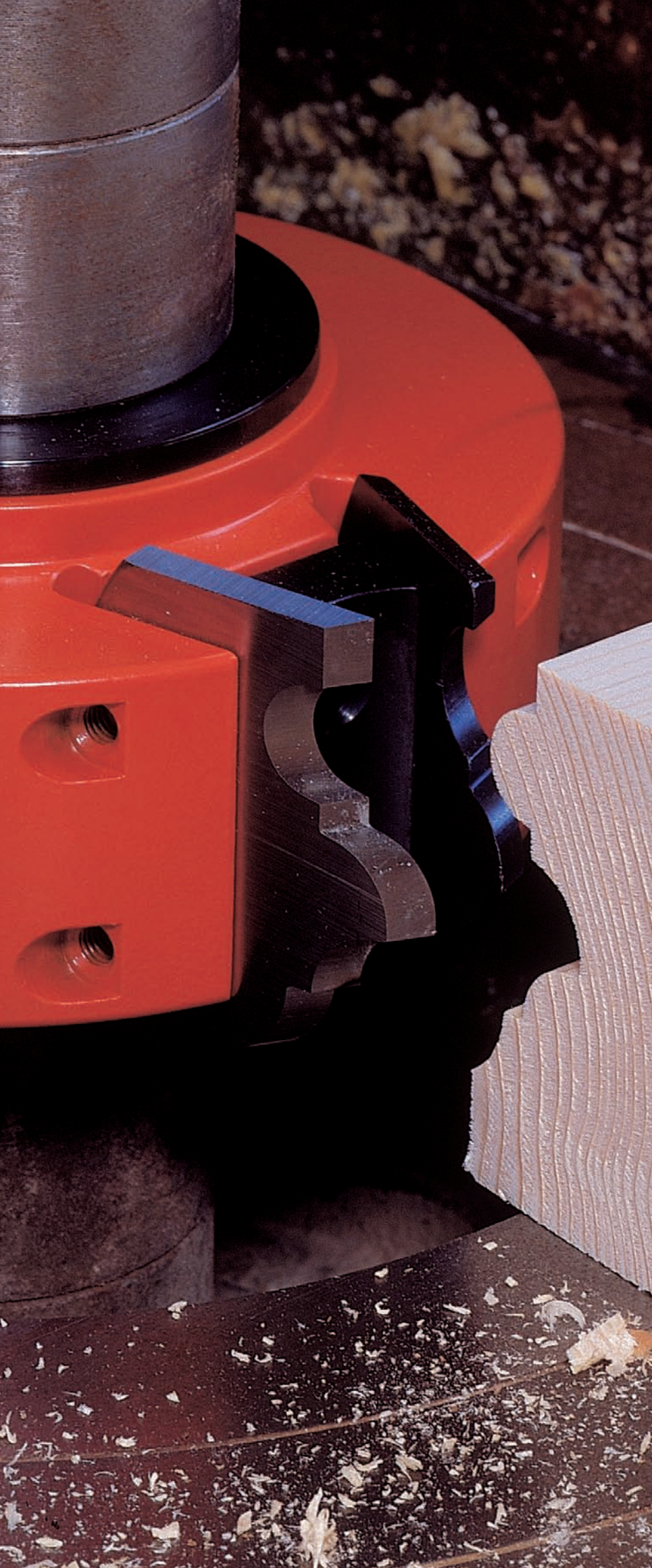
D mm	B mm	Application	Z	K mm	P mm	α	β	ORDER NO.	Page
210	30	Metal	48	2,2	1,8	0°	TCG	226.048.08M	25
210	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.210.64M	23
210	30	Portables machines	64	2,8	1,8	15°	15° ATB	292.210.64M	32
215	50	Panel sizing	42	4,3-5,5	3,2	10°	CONICAL	288.215.42T	22
216	30	Abrasive materials	14	2,1-2,2	1,6	12°	CONICAL	236.216.14M	30
216	30	Portables machines	24	2,8	1,8	-5° Neg.	15° ATB	290.216.24M	30
216	30	Portables machines	36	1,7	1,2	20°	1 FTG+2/15° ATB	271.216.36M	27
216	30	Portables machines	48	2,8	1,8	-5° Neg.	15° ATB	291.216.48M	31
216	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	297.064.09M	23
216	30	Portables machines	64	2,8	1,8	-5° Neg.	15° ATB	292.216.64M	32
220	30	Portables machines	24	2,8	1,8	20°	10° ATB	290.220.24M	30
220	30	Portables machines	36	2,8	1,8	15°	15° ATB	291.220.36M	31
220	30	Two-sided melamine	42	3,2	2,2	10°	HDF	287.042.09M	16
220	30	Two-sided melamine	42	3,2	2,2	-6°	HDF	287.043.09M	16
220	30	Portables machines	48	2,8	1,8	15°	15° ATB	292.220.48M	32
220	30	Two-sided melamine	63	3,2	2,2	-3°	FFT	281.063.09M	19
220	30	Two-sided melamine	64	3,2	2,2	-5°	40° ATB	283.064.09M	17
220	30	Two-sided melamine	64	3,2	2,2	10°	TCG	281.064.09M	19
225	30	Portables machines	36	2,8	1,8	20°	15° ATB	291.225.36M	31
225	30	Portables machines	48	2,8	1,8	10°	15° ATB	292.225.48M	32
225	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.225.64M	23
230	30	Portables machines	24	2,8	1,8	20°	10° ATB	290.230.24M	30
230	30	Portables machines	36	2,8	1,8	15°	15° ATB	291.230.36M	31
230	30	Abrasive materials	4	2,1-2,2	1,6	12°	CONICAL	236.230.04M	30
230	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.230.48M	23
230	30	Portables machines	48	2,8	1,8	15°	15° ATB	292.230.48M	32
230	30	Portables machines	64	2,8	1,8	15°	15° ATB	292.230.64M	32
235	25	Portables machines	24	2,8	1,8	20°	10° ATB	290.235.24L	30
235	30	Portables machines	24	2,8	1,8	20°	10° ATB	290.235.24M	30
235	25	Portables machines	36	2,8	1,8	15°	15° ATB	291.235.36L	31
235	25	Portables machines	36	1,7	1,2	20°	1 FTG+2/15° ATB	271.235.36L	27
235	30	Portables machines	36	2,8	1,8	15°	15° ATB	291.235.36M	31
235	30	Portables machines	36	1,7	1,2	20°	1 FTG+2/15° ATB	271.235.36M	27
235	25	Portables machines	48	2,8	1,8	15°	15° ATB	292.235.48L	32
235	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.235.48M	23
235	30	Portables machines	48	2,8	1,8	15°	15° ATB	292.235.48M	32
235	30	Metal	48	2,2	1,8	0°	TCG	226.048.09M	25
240	30	Portables machines	24	2,8	1,8	20°	10° ATB	290.240.24M	30
240	30	Portables machines	36	2,8	1,8	15°	15° ATB	291.240.36M	31
240	30	Portables machines	48	2,8	1,8	15°	15° ATB	292.240.48M	32
250	30	Abrasive materials	16	2,1-2,2	1,6	12°	CONICAL	236.250.16M	30
250	30	Abrasive materials	16	2,8	1,8	15°	5° ATB	286.016.10M	12
250	20	Garden	20	2,2	1,4	15°	10° ATB	298.250.20H	32
250	25,4	Garden	20	2,2	1,4	15°	10° ATB	298.250.20	32
250	30	Multirip	20+4	3,2	2,2	18°	10° ATB	279.020.10M	11
250	70	Multirip	20+4	2,7	1,8	18°	10° ATB	280.020.10V	10
250	70	Multirip	20+4	3,2	2,2	18°	10° ATB	279.020.10V	11
250	80	Multirip	20+4	2,7	1,8	18°	10° ATB	280.020.10W	10
250	80	Multirip	20+4	3,2	2,2	18°	10° ATB	279.020.10W	11
250	30	Wood	24	2,8	1,8	20°	10° ATB	290.250.24M	12,30
250	30	Portables machines	24	1,7	1,2	20°	1 FTG+2/15° ATB	271.250.24M	27
250	20	Wood	40	3,2	2,2	15°	10° ATB	285.040.10H	13,31
250	30	Wood	40	3,2	2,2	15°	10° ATB	285.040.10M	15
250	30	Wood	40	3,2	2,2	15°	10° ATB	285.040.10M	13,31
250	35	Wood	40	3,2	2,2	15°	10° ATB	285.040.10R	13
250	30	Portables machines	42	1,7	1,2	20°	1 FTG+2/15° ATB	271.250.42M	27
250	30	Two-sided melamine	48	3,2	2,2	10°	45° TCG	237.048.10M	20
250	30	Wood	48	3,2	2,2	15°	10° ATB	285.048.10M	13
250	30	Two-sided melamine	48	3,2	2,2	10°	HDF	287.048.10M	16
250	30	Two-sided melamine	48	3,2	2,2	-6°	HDF	287.049.10M	16
250	30	Wood	60	3,2	2,2	10°	15° ATB	285.660.10M	15
250	30	Wood	60	3,2	2,2	10°	15° ATB	285.060.10M	13,32
250	30	Two-sided melamine	60	3,2	2,2	10°	TCG	281.060.10M	19,21
250	30	Two-sided melamine	60	3,2	2,2	-3°	FFT	281.061.10M	19
250	30	Portables machines	60	1,7	1,2	20°	1 FTG+2/15° ATB	272.250.60M	28
250	35	Wood	60	3,2	2,2	10°	15° ATB	285.060.10R	13
250	30	Corian®	72	3,2	2,5	0°	MTCG	223.072.10M	26
250	30	Two-sided melamine	78	3,2	2,2	10°	FFT	295.078.10M	18
250	30	Wood	80	3,2	2,2	5°	15° ATB	285.080.10M	14
250	30	Two-sided melamine	80	3,2	2,2	10°	15° ATB	285.680.10M	15
250	30	Wood	80	3,0	2,5	10°	20° ATB	285.580.10M	14
250	30	Two-sided melamine	80	3,2	2,2	-2°	40° ATB	283.080.10M	17
250	30	Two-sided melamine	80	3,2	2,2	5°	40° ATB	210.080.10M	17
250	30	Two-sided melamine	80	3,2	2,2	5°	TCG	281.680.10M	18
250	30	Two-sided melamine	80	3,2	2,2	10°	TCG	281.080.10M	19,21
250	30	Two-sided melamine	80	3,2	2,2	15°	1FTG+4ATB	274.080.10M	16
250	30	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10M	23
250	30	Plexiglass & Plastic	80	2,8	2,2	-3°	MATB	222.080.10M	26
250	30	Portables machines	80	1,7	1,2	15°	40° ATB	273.250.80M	28
250	32	Aluminium	80	3,2	2,5	5° Pos.	TCG	284.080.10P	24
250	32	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10P	23
250	35	Wood	80	3,2	2,2	5°	15° ATB	285.080.10R	14
250	30	Two-sided melamine	81	3,2	2,2	-3°	FFT	281.081.10M	19
254	15,87	Abrasive materials	6	2,1-2,2	1,6	12°	CONICAL	236.006.10	30



# Saw blade index



D mm	B mm	Application	Z	K mm	P mm	α	β	ORDER NO.	Page
350	30	Wood	108	3,5	2,5	5°	15° ATB	285.108.14M	14
350	30	Two-sided melamine	108	3,5	2,5	10°	15° ATB	285.708.14M	15
350	30	Two-sided melamine	108	3,5	2,5	5°	40° ATB	283.108.14M	17
350	30	Two-sided melamine	108	3,5	2,5	5°	TCG	281.708.14M	18
350	30	Two-sided melamine	108	3,5	2,5	10°	TCG	281.108.14M	19,21
350	30	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14M	23
350	32	Aluminium	108	3,2	2,5	5°	TCG	284.108.14P	24
350	32	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14P	23
350	35	Wood	108	3,5	2,5	5°	15° ATB	285.108.14R	14
350	30	Two-sided melamine	108	3,5	2,5	10°	FFT	295.108.14M	18
350	30	Abrasive materials	24	3,2	2,2	15°	5° ATB	286.024.14M	12
350	30	Multirip	24+6	4,2	2,8	18°	10° ATB	277.024.14M	10
350	70	Multirip	24+6	4,2	2,8	18°	10° ATB	277.024.14V	10
350	30	Wood	28	3,5	2,5	20°	10° ATB	293.028.14M	12
350	30	Wood	28	3,5	2,5	20°	10° ATB	293.028.14M	12
350	35	Multirip	28+4	3,5	2,5	18°	10° ATB	279.028.14R	11
350	60	Multirip	28+4	3,5	2,5	18°	10° ATB	279.028.14U	11
350	60	Multirip	72	4,4	3,2	16°	TCG	Y282.072.14U	21
350	70	Multirip	28+4	3,5	2,5	18°	10° ATB	279.028.14V	11
350	80	Multirip	28+4	3,5	2,5	18°	10° ATB	279.028.14W	11
350	30	Multirip	36	3,5	2,5	18°	10° ATB	278.036.14M	11
350	70	Multirip	36	3,5	2,5	18°	10° ATB	278.036.14V	11
350	30	Wood	54	3,5	2,5	15°	10° ATB	285.054.14M	13
350	35	Wood	54	3,5	2,5	15°	10° ATB	285.054.14R	13
350	30	Wood	72	3,5	2,5	15°	10° ATB	285.072.14M	13
350	30	Panel sizing	72	4,4	3,2	16°	TCG	282.072.14M	21
350	50	Panel sizing	72	4,4	3,2	16°	TCG	282.072.14T	21
350	75	Panel sizing	54	4,4	3,2	16°	TCG	282.054.14X	21
350	75	Panel sizing	72	4,4	3,2	16°	TCG	282.072.14X	21
350	80	Panel sizing	54	4,4	3,2	16°	TCG	282.054.14W	21
350	80	Panel sizing	72	4,4	3,2	16°	TCG	282.072.14W	21
350	30	Wood	84	3,5	2,5	10°	15° ATB	285.084.14M	13
350	35	Wood	84	3,5	2,5	10°	15° ATB	285.084.14R	13
350	32	Aluminium	92	3,2	2,5	5°	TCG	284.092.14P	24
355	25,4	Metal	80	2,2	1,8	0°	8° FWF	226.080.14	25
355	25,4	Metal	90	2,2	1,8	0°	8° FWF	226.090.14	25
355	30	Panel sizing	72	4,4	3,2	16°	TCG	S282.03556	21
355	30	Metal	90	2,2	1,8	0°	8° FWF	226.090.14M	25
380	60	Panel sizing	72	4,8	3,5	16°	TCG	282.072.15U	21
400	30	Abrasive materials	28	3,2	2,2	15°	5° ATB	286.028.16M	12
400	30	Multirip	28+6	4,0	2,8	18°	10° ATB	279.028.16M	11
400	30	Panel sizing	60	4,4	3,2	16°	TCG	282.060.16M	21
400	30	Wood	36	3,5	2,5	20°	10° ATB	285.036.16M	12
400	30	Wood	48	3,5	2,5	20°	10° ATB	285.048.16M	13
400	30	Wood	60	3,5	2,5	10°	15° ATB	285.060.16M	13
400	30	Panel sizing	72	4,4	3,2	16°	TCG	282.072.16M	21
400	30	Wood	96	3,5	2,5	10°	15° ATB	285.096.16M	14
400	30	Aluminium	120	3,8	3,2	-6° Neg.	TCG	297.120.16M	23
400	30	Wood	120	3,5	2,5	10°	15° ATB	285.120.16M	14
400	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.16P	24
420	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.17P	24
400	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.16P	23
400	60	Panel sizing	72	4,4	3,2	16°	TCG	282.072.16U	21
400	70	Multirip	28+6	4,0	2,8	18°	10° ATB	279.028.16V	11
400	75	Panel sizing	60	4,4	3,2	16°	TCG	282.060.16X	21
400	75	Panel sizing	72	4,4	3,2	16°	TCG	282.072.16X	21
400	80	Panel sizing	60	4,4	3,2	16°	TCG	282.060.16W	21
400	80	Panel sizing	72	4,4	3,2	16°	TCG	282.072.16W	21
430	75	Panel sizing	72	4,4	3,2	16°	TCG	282.072.17X	21
450	30	Abrasive materials	32	3,8	2,8	15°	5° ATB	286.032.18M	12
450	30	Wood	36	3,8	2,8	20°	10° ATB	285.036.18M	12
450	30	Wood	54	3,8	2,8	15°	15° ATB	285.054.18M	13
450	30	Wood	66	3,8	2,8	10°	15° ATB	285.066.18M	13
450	30	Aluminium	140	3,8	3,2	-6° Neg.	TCG	Y297.140.18M	23
450	32	Aluminium	108	3,8	3,2	5°	TCG	284.108.18P	24
450	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.18P	23
450	60	Panel sizing	72	4,8	3,5	16°	TCG	282.072.18U	21
450	80	Panel sizing	72	4,8	3,5	16°	TCG	282.072.18W2	21
500	30	Wood	44	4,0	2,8	20°	10° ATB	285.044.20M	12
500	30	Wood	60	3,8	2,8	15°	15° ATB	285.060.20M	13
500	32	Aluminium	120	4,0	3,2	5°	TCG	284.120.20P	24
500	32	Aluminium	120	4,0	3,2	-6° Neg.	TCG	297.120.20P	23
500	30	Abrasive materials	36	3,8	2,8	15°	5° ATB	286.036.20M	12
500	30	Wood	72	3,8	2,8	10°	15° ATB	285.072.20M	13
500	60	Panel sizing	72	4,8	3,5	16°	TCG	282.072.20U	21
500	80	Panel sizing	72	4,8	3,5	16°	TCG	Y282.072.20W	21
550	30	Abrasive materials	40	4,2	3,2	15°	5° ATB	286.040.22M	12
550	100	Panel sizing	72	5,2	3,5	16°	TCG	282.072.22A	21
600	30	Abrasive materials	40	4,2	3,2	15°	5° ATB	286.040.24M	12



## Tools with bore & knives

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# Rabbeting cutter heads



## 694.100

These cutter heads have been designed for:

- rabbeting from top and from bottom
- jointing
- grooving

on your spindle moulder machines, double-end tenoner and edging machines.

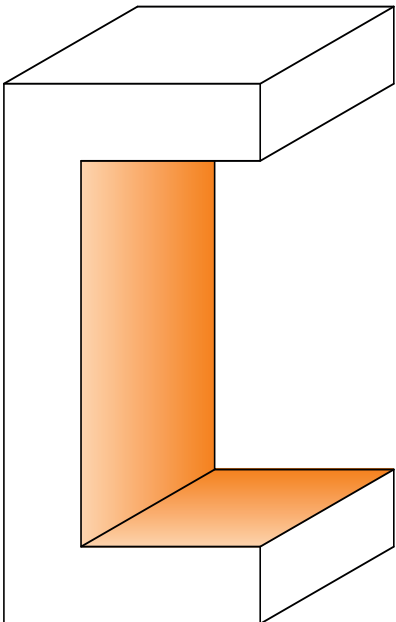
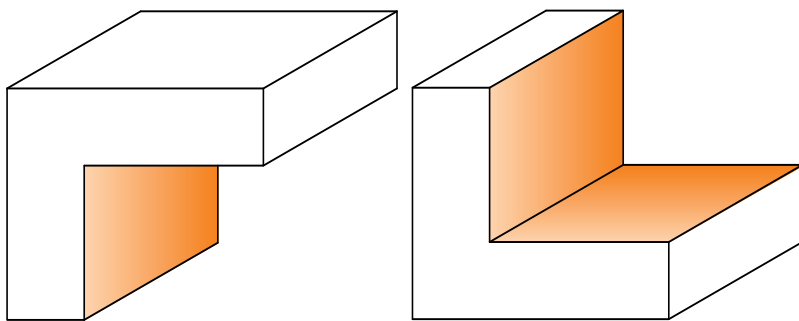
Perfect on all materials, but better results are achieved using chipboard, MDF, wood composites, plastic materials and laminates.

Improved design with shear angle.

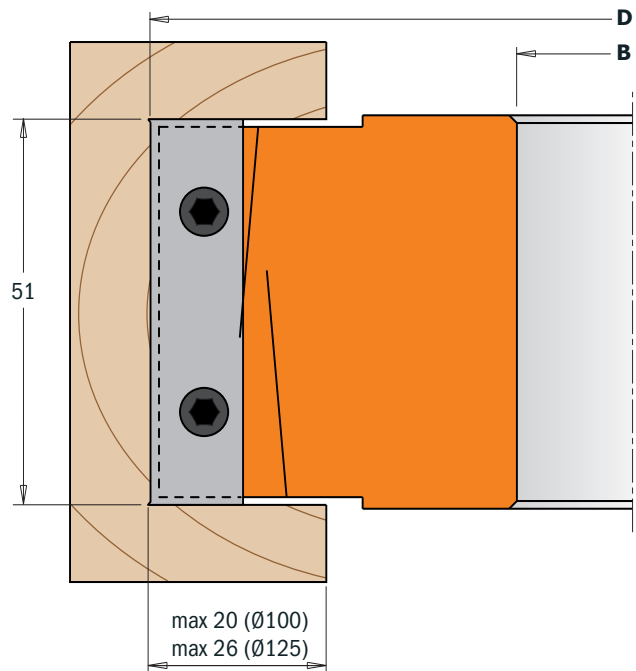
### Technical details:

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

Supplied in a solid plastic box



Drawings are 1:1 scale



D mm	B mm	Z	RPM	ORDER NO.	Spare parts							
100	19,05	2+4	7500~12500	<b>694.100.19</b>								
100	30	2+4	7500~12500	<b>694.100.30</b>	790.140.00	990.080.00	991.061.00	790.500.00	695.999.46	990.064.00	991.064.00	
100	31,75	2+4	7500~12500	<b>694.100.31</b>	790.140.00	990.080.00	991.061.00	790.500.00	695.999.46	990.064.00	991.064.00	
100	35	2+4	7500~12500	<b>694.100.35</b>	790.140.00	990.080.00	991.061.00	790.500.00	695.999.46	990.064.00	991.064.00	
125	40	2+4	6100~10000	<b>694.125.40</b>	790.140.00	990.080.00	991.061.00	790.500.00	695.999.46	990.064.00	991.064.00	
125	50	2+4	6100~10000	<b>694.125.50</b>	790.140.00	990.080.00	991.061.00	790.500.00	695.999.46	990.064.00	991.064.00	

# 3 piece adjustable grooving sets



**694.001**



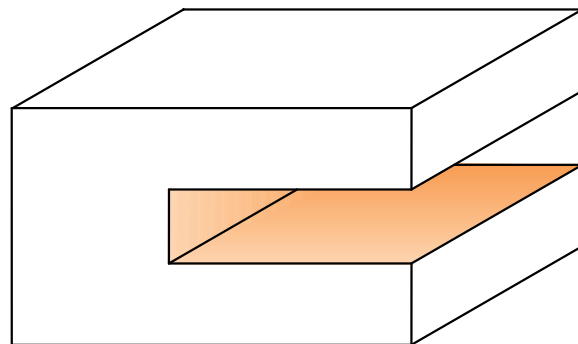
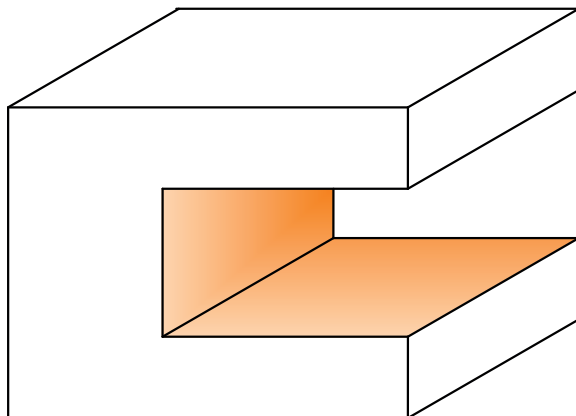
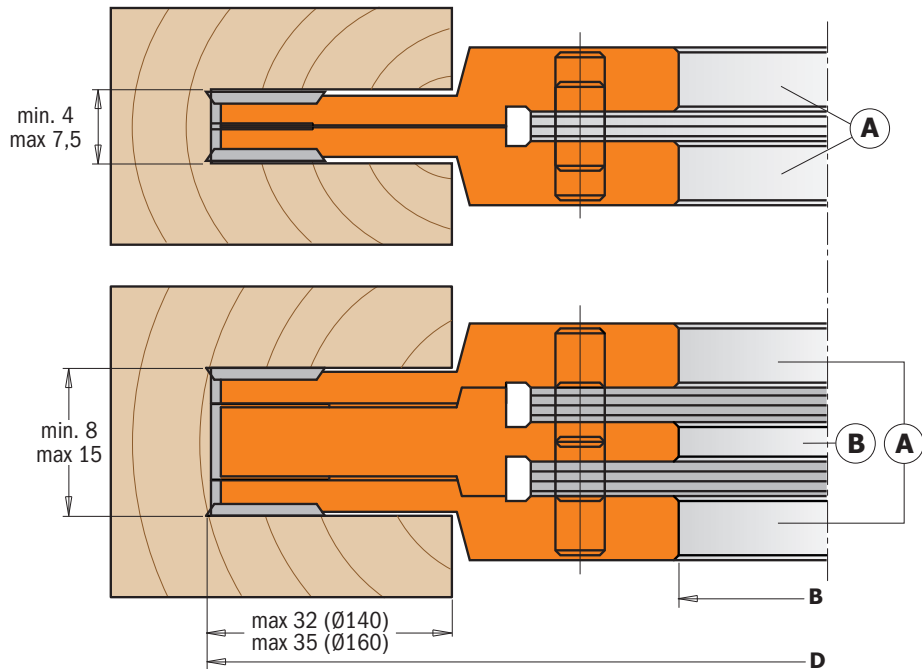
These cutter heads are the ideal tools to create precision slots and grooves on material from 4 to 15mm deep. These sets include:  
 - 2 cutter heads type (A) Z4 + V4  
 - 1 cutter head type (B) Z2  
 - 12 spacer rings from 0,1 to 2mm

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

**Technical details:**

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

Supplied in a solid plastic box



Drawings are 1:1 scale

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

**Spare parts**

**For cutter heads (A)**

- 990.079.00** M4x3,2mm Torx screws
- 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
- 991.069.00** T9 Torx key
- 991.072.00** T20 Torx key



# Planing and jointing spiral cutter heads



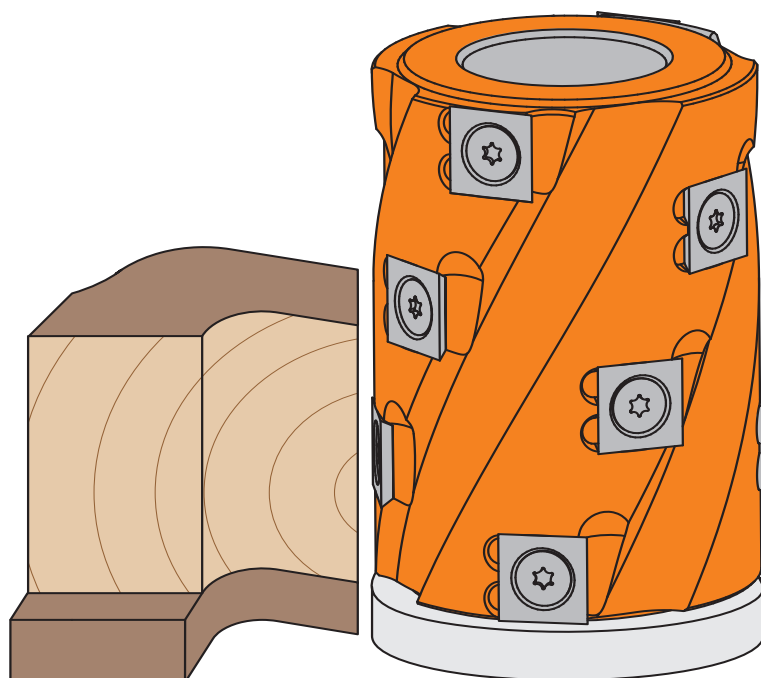
## 694.019

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

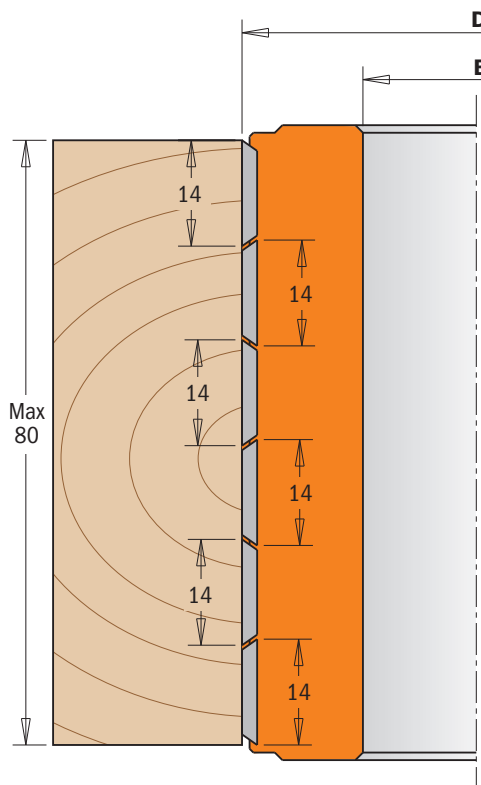
### Technical details:

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

Supplied in a plastic twistpack



Optional bearing



D mm	I mm	B mm	Z	RPM	ORDER NO.
62	80	30	12	8000~12000	<b>694.019.30</b>
62	80	35	12	8000~12000	<b>694.019.35</b>
80	80	40	12	8000~12000	<b>694.019.40</b>
80	80	50	12	8000~12000	<b>694.019.50</b>

### 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

- Optional:**
- 791.051.00** 30x62x16mm bearing
  - 791.052.00** 35x62x14mm bearing
  - 791.054.00** 40x80x18mm bearing
  - 791.053.00** 50x80x16mm bearing

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## 2 piece adjustable rounding & chamfering sets



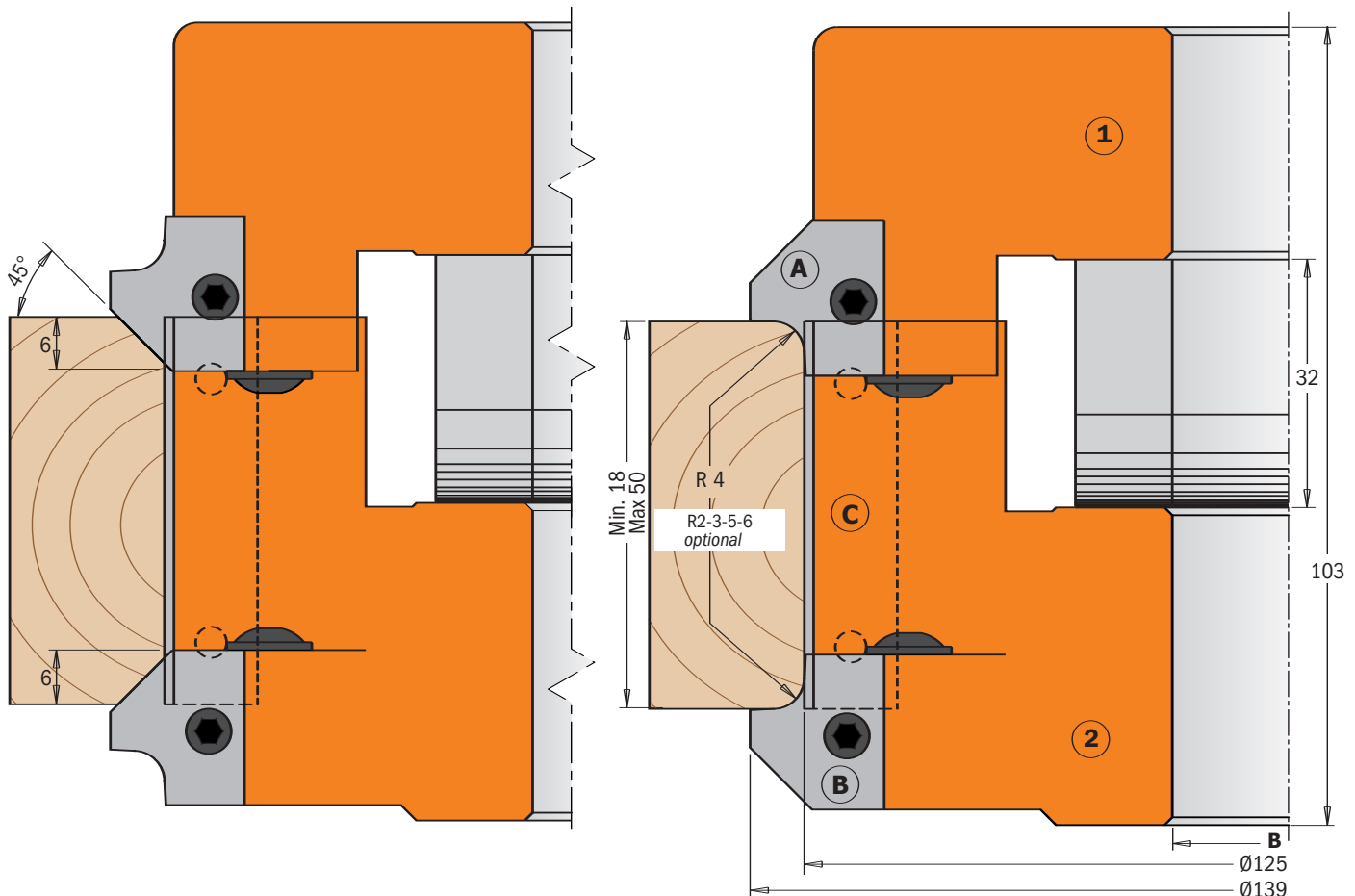
**694.005**

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

**Technical details:**

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

Supplied in a solid plastic box



D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
139	30	2+2	5500~9400	<b>694.005.30</b>	17x11x9,5mm	46x11x9,5mm		
139	31,75	2+2	5500~9400	<b>694.005.31</b>	695.999.17	695.999.46	990.086.00	695.998.11
139	35	2+2	5500~9400	<b>694.005.35</b>	695.999.17	695.999.46	990.086.00	695.998.12
139	40	2+2	5500~9400	<b>694.005.40</b>	695.999.17	695.999.46	990.086.00	695.998.13
139	50	2+2	5500~9400	<b>694.005.50</b>	695.999.17	695.999.46	990.086.00	695.998.14
139	50	2+2	5500~9400	<b>694.005.50</b>	695.999.17	695.999.46	990.086.00	695.998.15

<b>Spare parts</b>	<b>695.005.A4</b> R=4+45° pair of knives for roundover/chamfer (top)	<b>Optional:</b>	<b>695.005.A2</b> R=2+45° pair of knives for roundover/chamfer (top)
	<b>695.005.B4</b> R=4+45° pair of knives for roundover/chamfer (bottom)		<b>695.005.A3</b> R=3+45° pair of knives for roundover/chamfer (top)
	<b>790.500.00</b> 50x12x1,5mm knives		<b>695.005.A5</b> R=5+45° pair of knives for roundover/chamfer (top)
	<b>991.064.00</b> 4mm hex key		<b>695.005.A6</b> R=6+45° pair of knives for roundover/chamfer (top)
	<b>991.067.00</b> 3mm hex key		<b>695.005.B2</b> R=2+45° pair of knives for roundover/chamfer (bottom)
			<b>695.005.B3</b> R=3+45° pair of knives for roundover/chamfer (bottom)
			<b>695.005.B5</b> R=5+45° pair of knives for roundover/chamfer (bottom)
			<b>695.005.B6</b> R=6+45° pair of knives for roundover/chamfer (bottom)

# 45° chamfer cutter heads



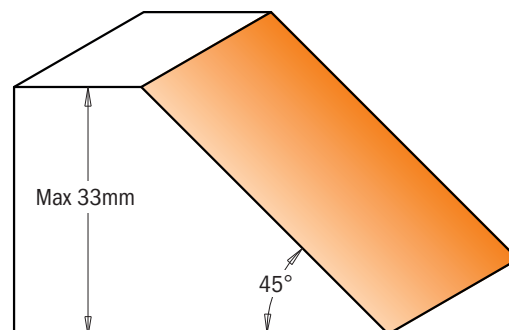
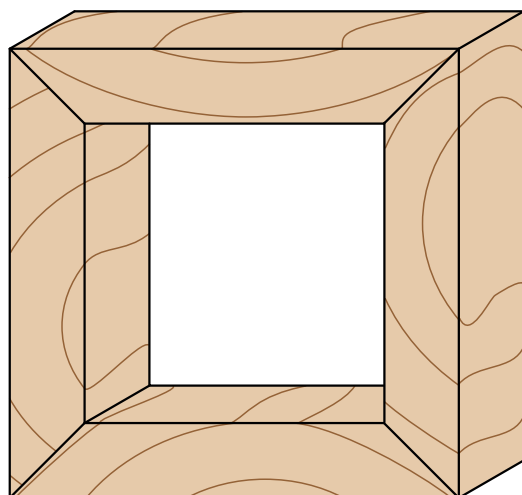
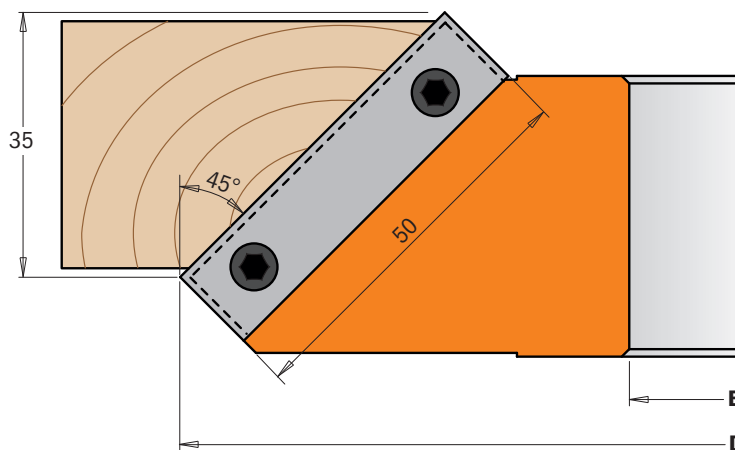
**694.002**

CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work. For use on spindle moulder machines, double-end tenoner and shaper machines. Perfect on all materials, but ideal on solid wood, veneered, panel and plastic-coated materials.

**Technical details:**

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

Supplied in a solid plastic box



Drawings are 1:1 scale

D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
150	30	2	5100~8800	<b>694.002.30</b>				
150	31,75	2	5100~8800	<b>694.002.31</b>	790.500.00	695.999.41	990.086.00	991.064.00
150	35	2	5100~8800	<b>694.002.35</b>	790.500.00	695.999.41	990.086.00	991.064.00
150	40	2	5100~8800	<b>694.002.40</b>	790.500.00	695.999.41	990.086.00	991.064.00
160	50	2	4800~8300	<b>694.002.50</b>	790.500.00	695.999.41	990.086.00	991.064.00

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Adjustable chamfer cutter heads with positive stop



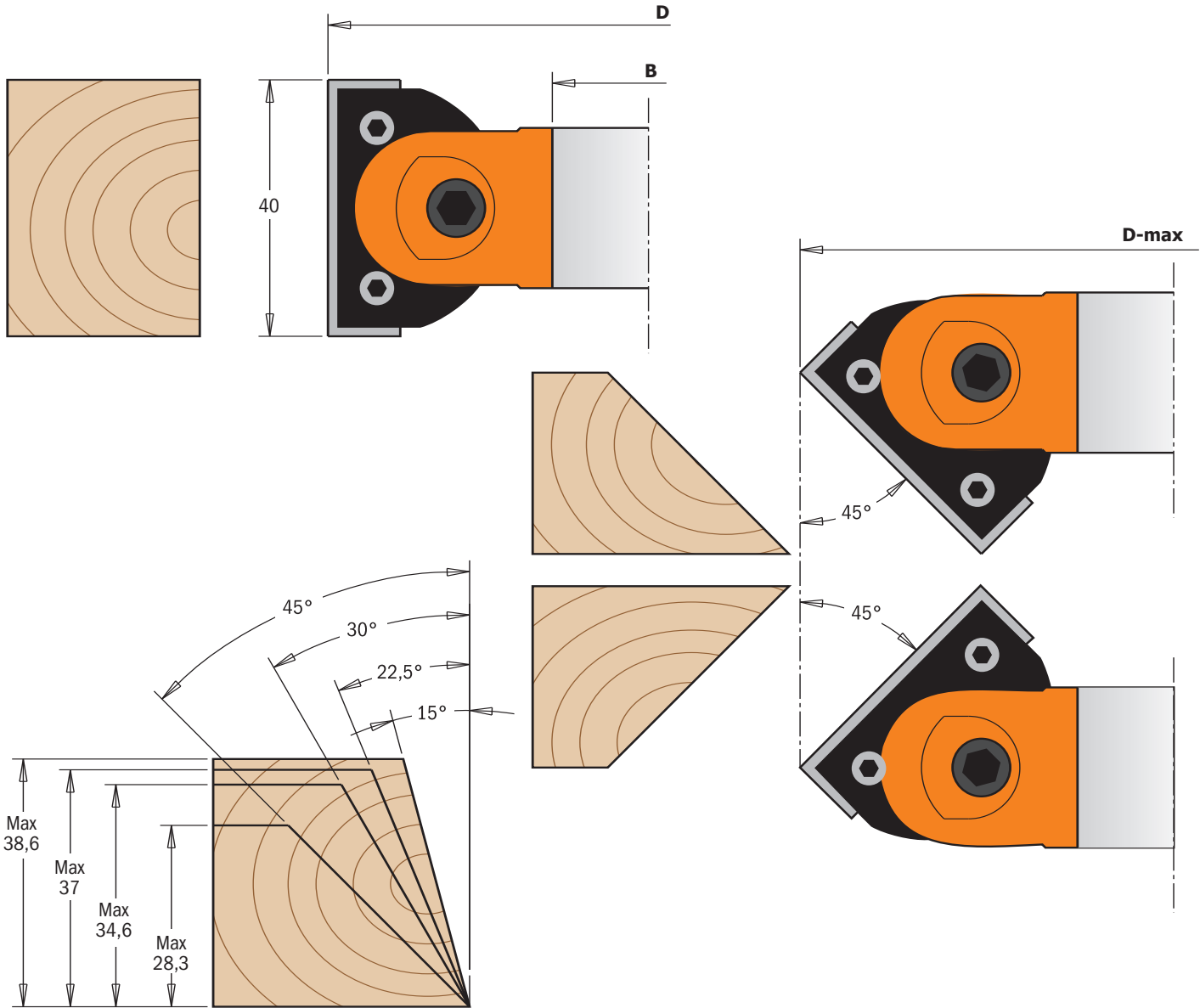
**694.018**

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

**Technical details:**

- Hard aluminium alloy body with high resistance to tensile and yield stress
- 2 HWM Knives 40x12x1,5mm (Z2)
- Tools for manual feed MAN
- Positive lock hold of HWM knives, swivel bodies infinitely adjustable on both sides from 0 to 45°, with positive stop every 7,5° step, thanks to the special built-in geared mechanism.

Supplied in a solid plastic box



*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

# Multiradius roundover cutter heads



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 694.003

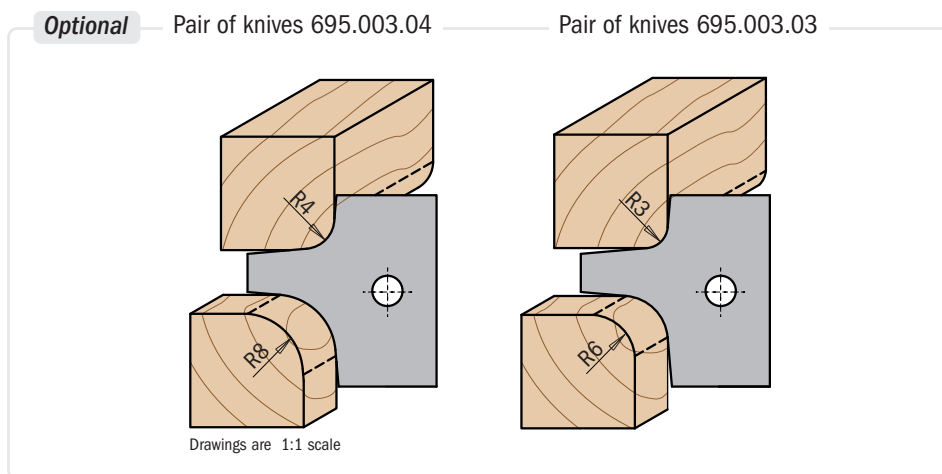
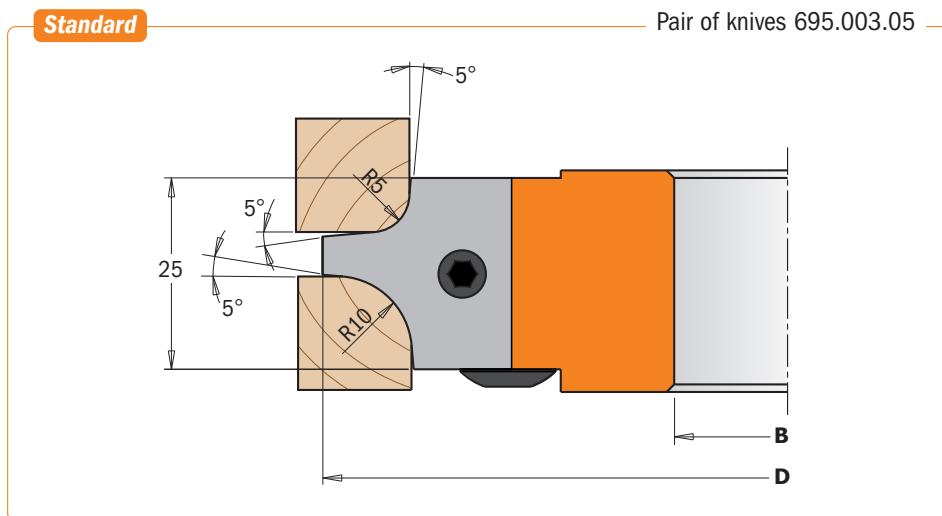


Innovative cutter heads supporting three different knives for making six radius roundover profiles. Standard cutter heads are sold with knives featuring radii 5 and 10mm; two more knife sets are available for radii 4-8mm and 3-6mm. For use on spindle moulder machines, double-end tenoner and shaper machines.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

### Technical details:

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

Supplied in a solid plastic box



D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
113	30	2	6700~11000	<b>694.003.30</b>	x2			
113	31,75	2	6700~11000	<b>694.003.31</b>	695.003.05	695.999.22	990.086.00	991.064.00
113	35	2	6700~11000	<b>694.003.35</b>	695.003.05	695.999.22	990.086.00	991.064.00
128	40	2	5900~9700	<b>694.003.40</b>	695.003.05	695.999.22	990.086.00	991.064.00
128	50	2	5900~9700	<b>694.003.50</b>	695.003.05	695.999.22	990.086.00	991.064.00

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

# Multiradius roundover cutter heads



## 694.004

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

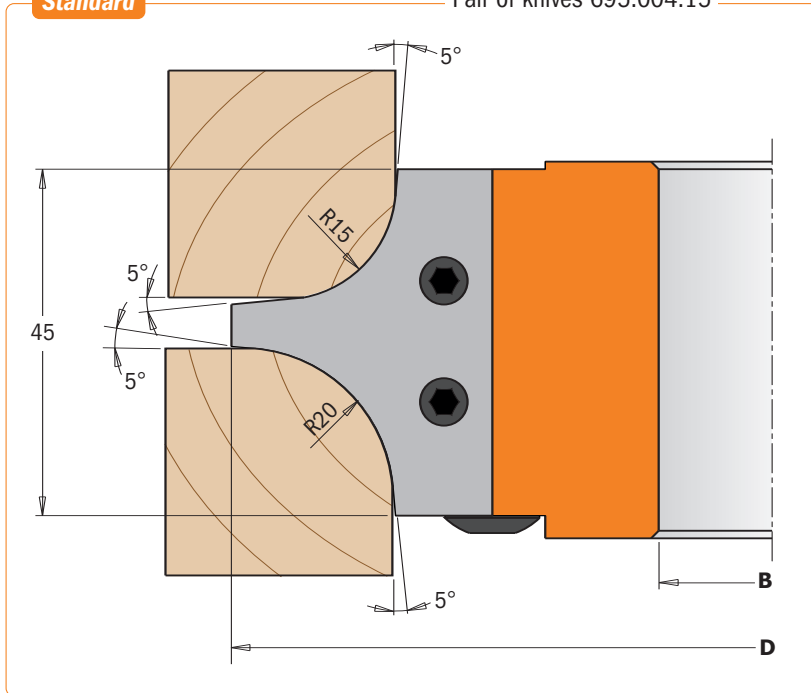
### Technical details:

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

Supplied in a solid plastic box

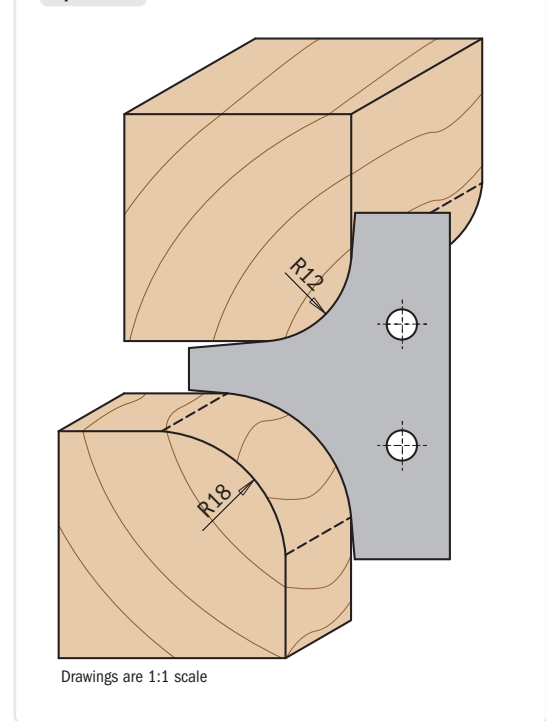
### Standard

Pair of knives 695.004.15



### Optional

Pair of knives 695.004.12



D mm	B mm	Z	RPM	ORDER NO.
132	30	2	5700-9500	<b>694.004.30</b>
132	31,75	2	5700-9500	<b>694.004.31</b>
132	35	2	5700-9500	<b>694.004.35</b>
147	40	2	5100-8500	<b>694.004.40</b>
147	50	2	5100-8500	<b>694.004.50</b>

### Spare parts



695.004.15	695.999.42	990.086.00	991.064.00
695.004.15	695.999.42	990.086.00	991.064.00
695.004.15	695.999.42	990.086.00	991.064.00
695.004.15	695.999.42	990.086.00	991.064.00
695.004.15	695.999.42	990.086.00	991.064.00

**Optional:** 695.004.12 R=12/18mm (45x34,5x2mm) pair of profiled knives

# Roundover and cove cutter heads



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 694.007

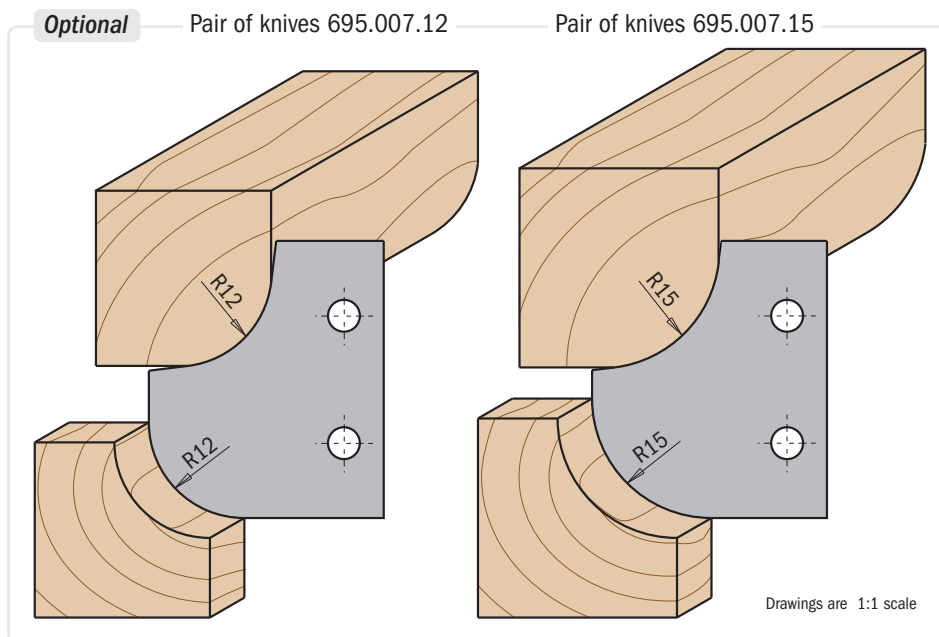
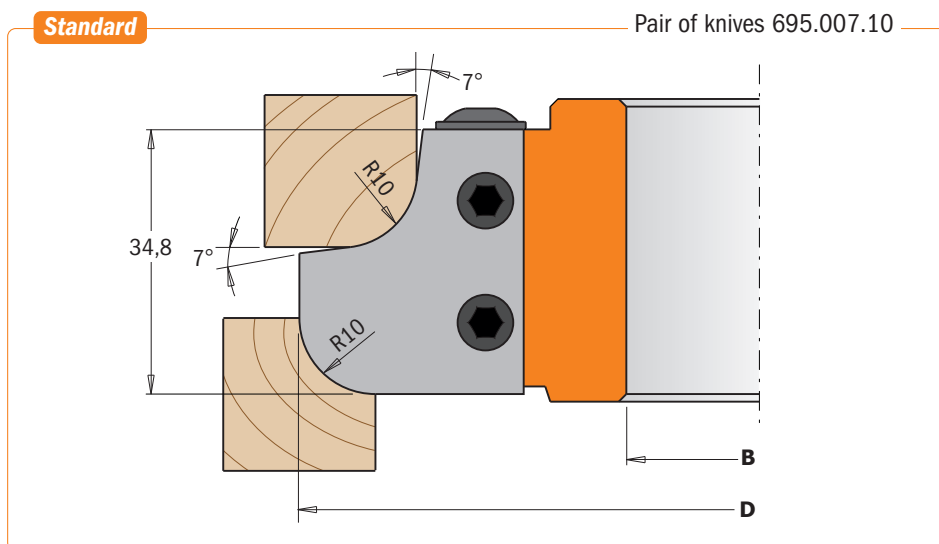


These cutter heads are perfect for making furniture, doors and drawer fronts simply and stylishly by giving them a final touch with a CMT cove bit. It is also used for making perfect roundover profiles, drop leaf counters and table tops. You can use three different knives for carrying out roundover and cove profiles with radius 10, 12 and 15mm. For use on spindle moulder machines, double-end tenoner and shaper machines. Perfect on all materials, but ideal on solid wood and panel materials.

### Technical details:

- Hard aluminium alloy body with high resistance to tensile and yield stress
- 2 HWM knives radius 10mm (34,8x29,3x2mm) [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

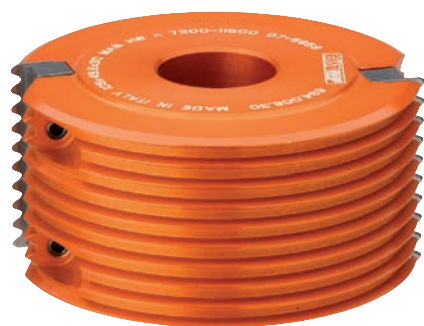
Supplied in a solid plastic box



D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
121	30	2	6300~10500	<b>694.007.30</b>	695.007.10	695.999.31	990.086.00	991.064.00
121	31,75	2	6300~10500	<b>694.007.31</b>	695.007.10	695.999.31	990.086.00	991.064.00
121	35	2	6300~10500	<b>694.007.35</b>	695.007.10	695.999.31	990.086.00	991.064.00
136	40	2	5600~9300	<b>694.007.40</b>	695.007.10	695.999.31	990.086.00	991.064.00
136	50	2	5600~9300	<b>694.007.50</b>	695.007.10	695.999.31	990.086.00	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

# Professional finger joint cutter heads



## 694.008

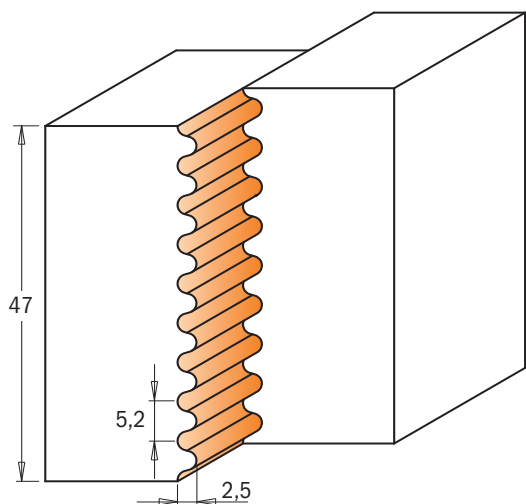
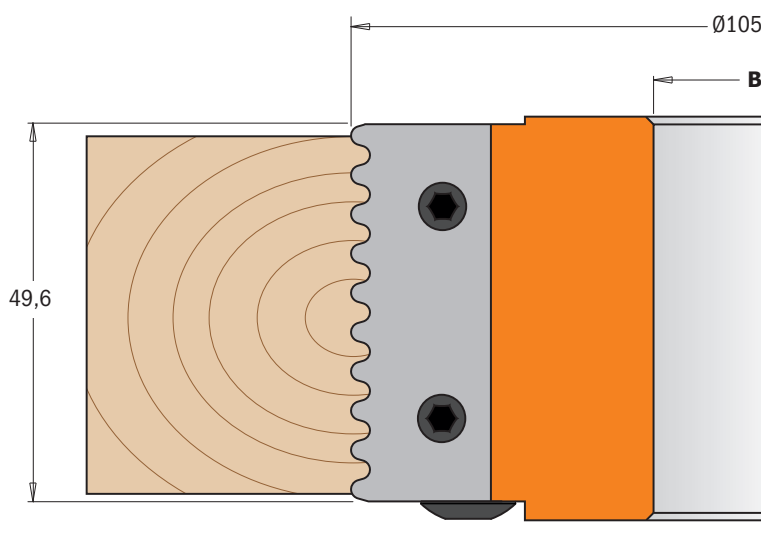
The professional CMT finger joint cutter heads allow for making the most incredibly strong side-to-side joints on all wood types and composites. The tightness of the joint and the maximum glue surface make the joint itself stronger than an unworked piece of wood, in stock with maximum 47mm in thickness. Ideal for molding manufactures and furniture makers.

For use on spindle moulder machines, double-end tenoner and shaper machines. Perfect on all materials, but ideal on solid wood and panel materials.

### Technical details:

- Hard aluminium alloy body with high resistance to tensile and yield stress
- 2 HWM knives 49,6x11,9x1,5mm [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

Supplied in a solid plastic box



Drawings are 1:1 scale

D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
105	30	2	7300~11500	<b>694.008.30</b>	x2			
105	31,75	2	7300~11500	<b>694.008.31</b>	695.008.01	695.999.49	990.066.00	991.067.00
105	35	2	7300~11500	<b>694.008.35</b>	695.008.01	695.999.49	990.066.00	991.067.00
105	40	2	7300~11500	<b>694.008.40</b>	695.008.01	695.999.49	990.066.00	991.067.00
105	50	2	7300~11500	<b>694.008.50</b>	695.008.01	695.999.49	990.066.00	991.067.00

**Optional:**

<b>695.998.2630</b>	Ø50x2,6x30mm guide ring
<b>695.998.2631</b>	Ø50x2,6x31,75mm guide ring
<b>695.998.2635</b>	Ø55x2,6x35mm guide ring
<b>695.998.2640</b>	Ø60x2,6x40mm guide ring
<b>695.998.2650</b>	Ø70x2,6x50mm guide ring

Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets



# Reverse glue joint cutter heads



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

54



**694.009**

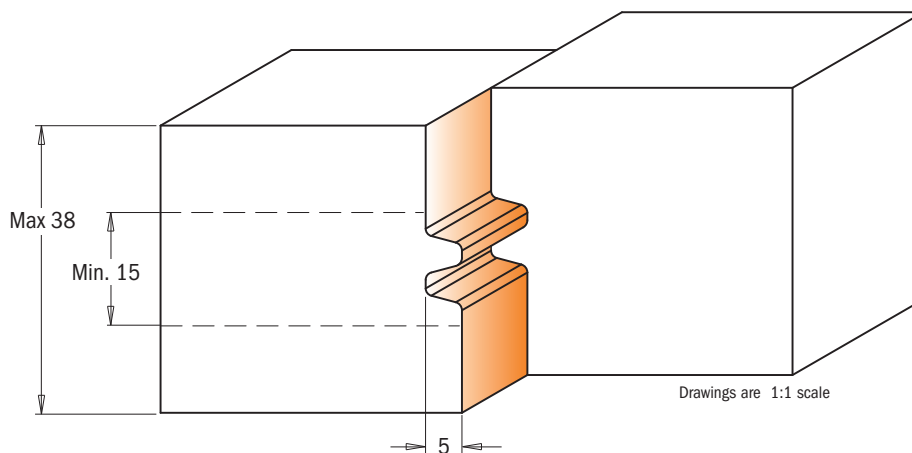
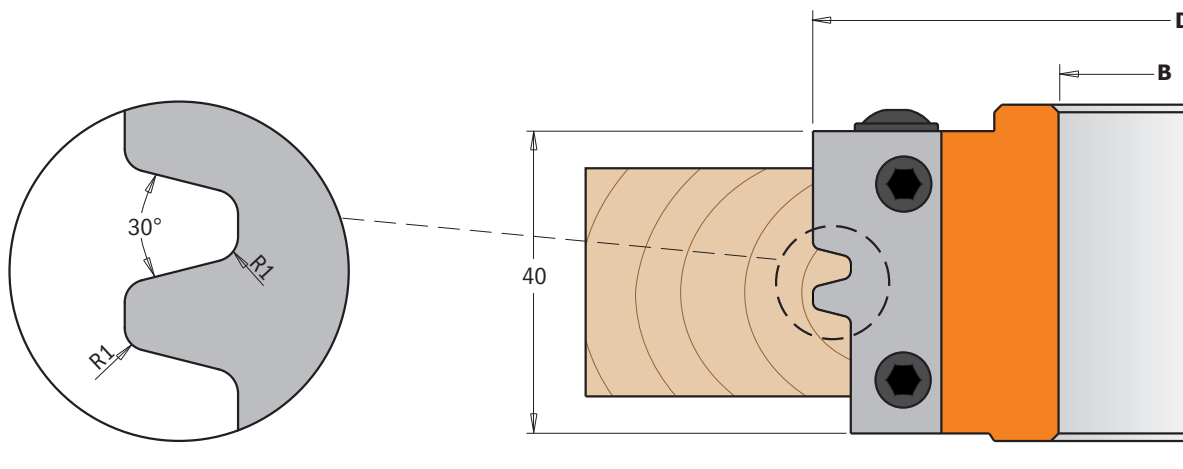


The most unique and important feature of these CMT cutter heads is the capacity to produce almost indestructible glue joints quickly and accurately. Ideal for shaping wide dimension panels, doors and furniture pieces. By accurately centering the cutter head to the wood, the upper and lower vertical cutting edges will cut equal proportions. Simply run one side of the panel, turn the panel over, and then run the opposite side - you will produce perfectly harmonized reverse cuts matching up to make flawless joints. Excellent results on most materials, but ideal on solid wood, coated and uncoated man-made materials.

**Technical details:**

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

**Supplied in a solid plastic box**



D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
100	30	2	7500~12500	<b>694.009.30</b>	x2			
100	31,75	2	7500~12500	<b>694.009.31</b>	695.009.01	695.999.38	990.086.00	991.064.00
100	35	2	7500~12500	<b>694.009.35</b>	695.009.01	695.999.38	990.086.00	991.064.00
120	40	2	6400~10500	<b>694.009.40</b>	695.009.01	695.999.38	990.086.00	991.064.00
120	50	2	6400~10500	<b>694.009.50</b>	695.009.01	695.999.38	990.086.00	991.064.00

# 45° lock miter cutter heads



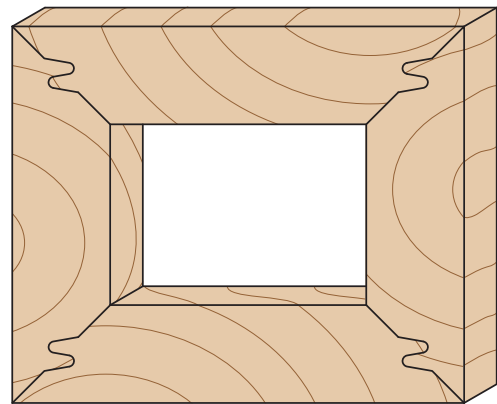
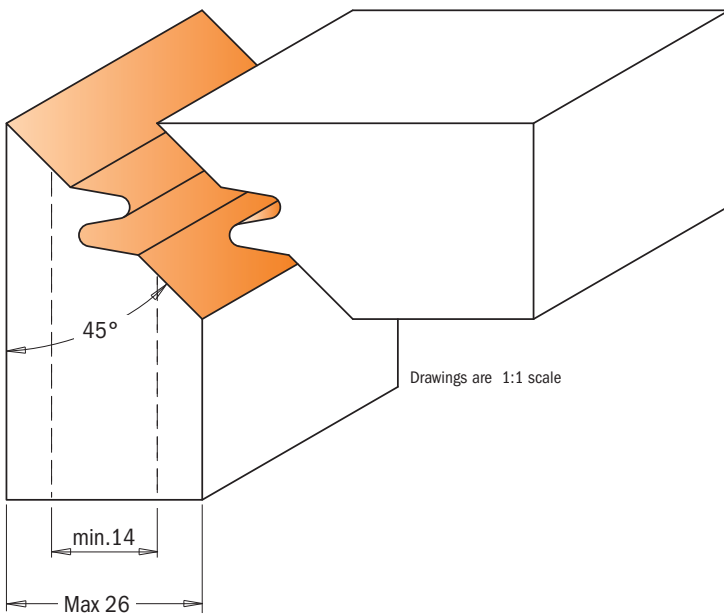
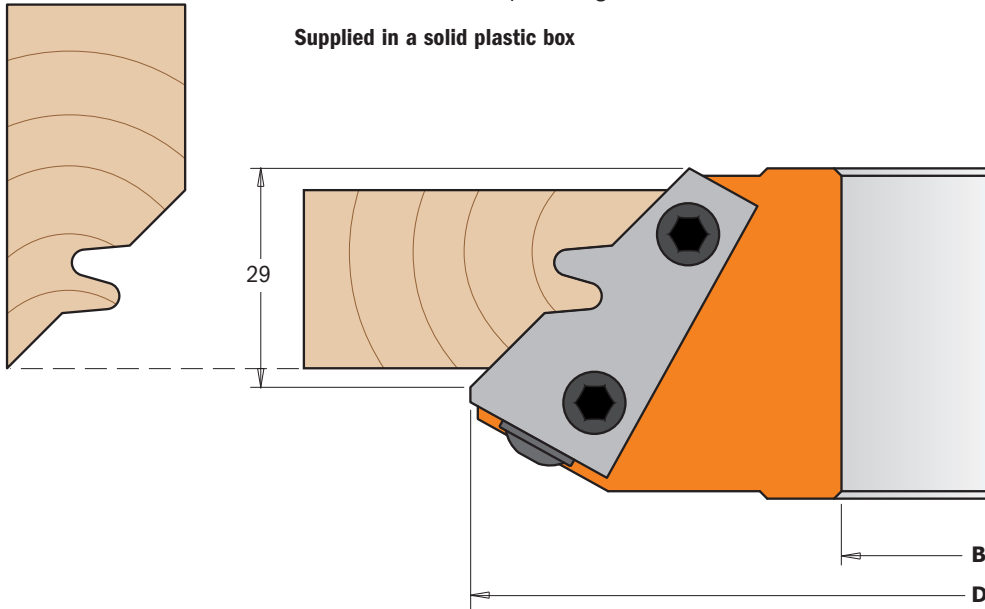
**694.011**

CMT's lock miter cutter heads are ideal for milling miter joints in stock with maximum 26mm (1") in thickness. Create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects. Two easy steps to produce perfectly fitting 45° miter joints: first, position your workpiece horizontally, then vertically. Also, create parallel glue joints in two steps: place your workpiece horizontally, internal side facing down, and then turn it facing up. For use on spindle moulder and shaper machines. Perfect on all materials, but ideal on solid wood and panels.

**Technical details:**

- Hard aluminium alloy body with high resistance to tensile and yield stress
- 2 HWM knives 43x23x2mm [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

**Supplied in a solid plastic box**



D mm	B mm	Z	RPM	ORDER NO.
140	30	2	5500~9500	<b>694.011.30</b>
140	31,75	2	5500~9500	<b>694.011.31</b>
140	35	2	5500~9500	<b>694.011.35</b>
140	40	2	5500~9500	<b>694.011.40</b>
150	50	2	5100~8800	<b>694.011.50</b>

*Spare parts*

Icon	Quantity	Part No.	Part No.	Part No.	Part No.
	x2	695.011.01	695.999.42	990.086.00	991.064.00
		695.011.01	695.999.42	990.086.00	991.064.00
		695.011.01	695.999.42	990.086.00	991.064.00
		695.011.01	695.999.42	990.086.00	991.064.00
		695.011.01	695.999.42	990.086.00	991.064.00

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Professional raised panel cutter heads



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

56



## 694.013

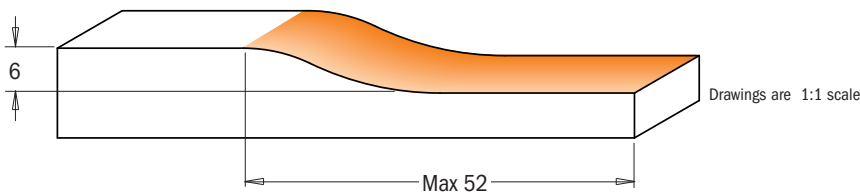
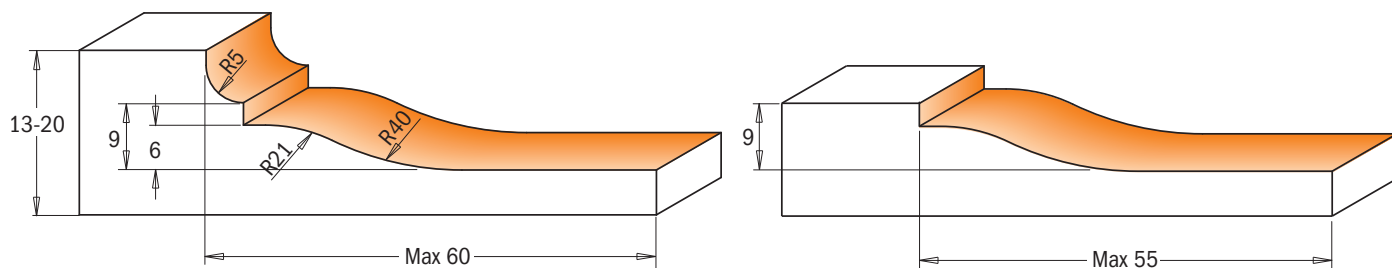
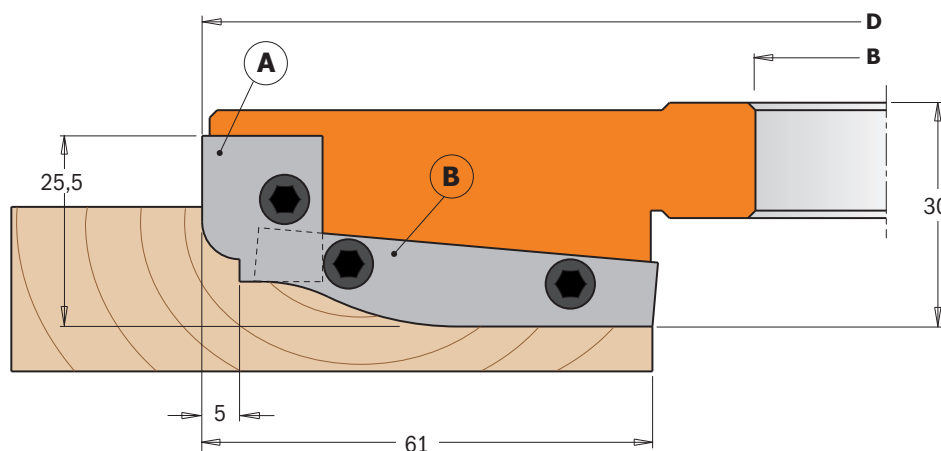


We offer the traditional approach to panel construction with these CMT raised panel cutter heads. Make classic raised panels on furniture, interior and cabinet doors on solid wood and wooden boards, and achieve three different profiles by adjusting the cutting depth. We recommend multiple passes for safe and accurate finishing. For use on spindle moulders. Perfect 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 type (A) 19,8x11,9x1,5mm [Z2]
- 2 HWM Knives type (B) 60x11,9x1,5mm [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

Supplied in a solid plastic box



D mm	B mm	Z	RPM	ORDER NO.	Spare parts				
183	30	2+2	4100~7000	<b>694.013.30</b>	x2	16x11x9,5mm	x2	53x11x9,5mm	
183	31,75	2+2	4100~7000	<b>694.013.31</b>	695.013.A1	695.999.16	695.013.A2	695.999.53	990.085.00
183	35	2+2	4100~7000	<b>694.013.35</b>	695.013.A1	695.999.16	695.013.A2	695.999.53	990.085.00
200	40	2+2	3800~6400	<b>694.013.40</b>	695.013.A1	695.999.16	695.013.A2	695.999.53	990.085.00
200	50	2+2	3800~6400	<b>694.013.50</b>	695.013.A1	695.999.16	695.013.A2	695.999.53	990.085.00

Spare parts **991.083.00** 3x90x135mm hex key

# 1 piece rail & stile cutter heads



## 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 head it is possible to cut two perfectly fitting profiles with no waste of time or efforts to move the fence or to replace the tool. Save money by purchasing one single head and improve your production's efficiency. For use on spindle moulders. Perfect on hardwood and panels with thickness between 22mm and 25mm.

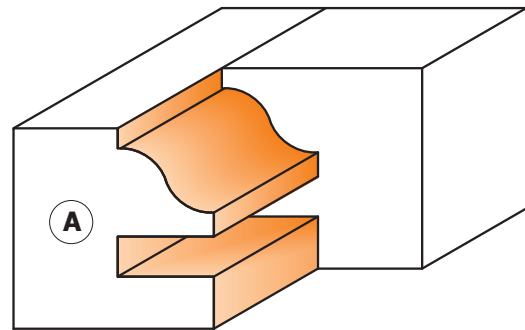
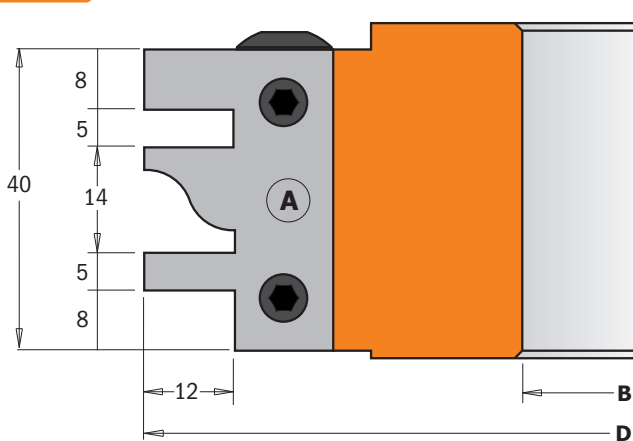
### Technical details:

- Hard aluminium alloy body with high resistance to tensile and yield stress
- 2 HWM Knives type (A) 40x24,5x2mm [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

Supplied in a solid plastic box

### Standard

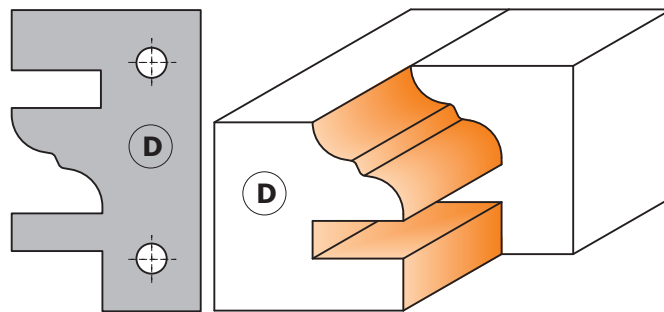
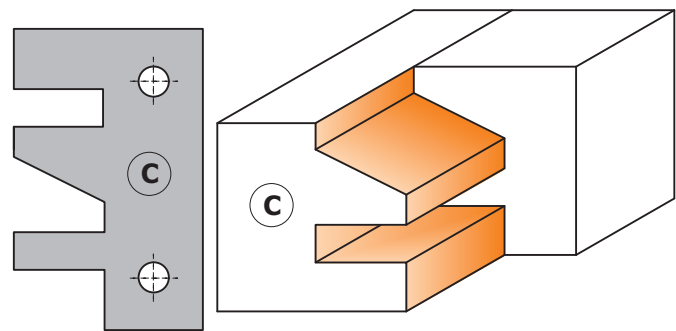
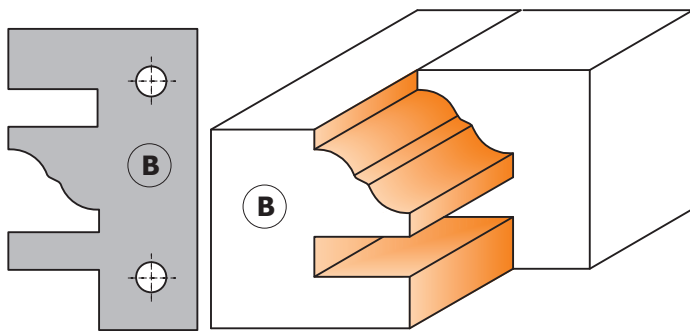
Pair of knives 695.014A



### Optional

Pair of knives 695.014B

Pair of knives 695.014C



Drawings are 1:1 scale

Pair of knives 695.014D

D mm	B mm	Z	RPM	ORDER NO.	Spare parts			
120	30	2	6400~10500	<b>694.014.30</b>				
120	31,75	2	6400~10500	<b>694.014.31</b>	695.014A	695.999.39	990.085.00	991.067.00
120	35	2	6400~10500	<b>694.014.35</b>	695.014A	695.999.39	990.085.00	991.067.00
120	40	2	6400~10500	<b>694.014.40</b>	695.014A	695.999.39	990.085.00	991.067.00
130	50	2	5900~9700	<b>694.014.50</b>	695.014A	695.999.39	990.085.00	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)

# Profile and counter profile cutter head sets



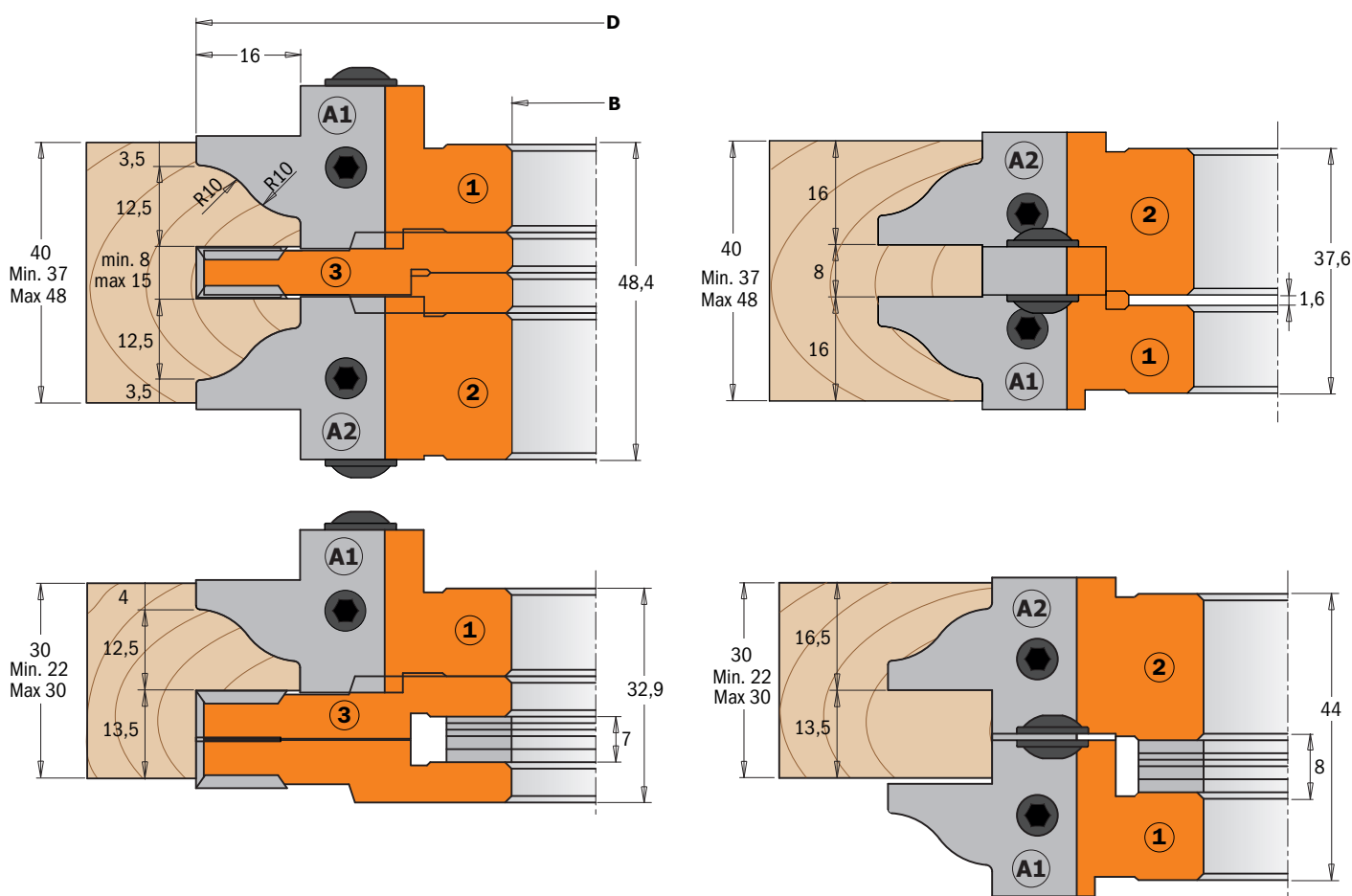
## 694.015

These versatile sets have been 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 from 8mm 15mm thick. For use on spindle moulders. Perfect on solid wood and panels with maximum 48mm (1-7/8") in thickness.

### Technical details:

- Hard aluminium alloy body with high resistance to tensile and yield stress for cutter heads (1 & 2);
- Super-strength steel body for cutter head (3)
- 2 HWM knives type (A1) 25x29,8x2mm [Z2]
- 2 HWM knives type (A2) 25x29,8x2mm [Z2]
- 4 HWM knives 7,65x12x1,5mm [Z4]
- 4 HWM knives 14x14x2m for heads type (1 & 2)
- 12 spacer rings from 0,1 to 3mm for heads type (1 & 2)
- 12 spacer rings from 0,1 to 2mm for heads type (3)
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

Supplied in a solid plastic box



D mm	B mm	Z + V	RPM	ORDER NO.
132	30	2+2	5700~9500	<b>694.015.30</b>
132	31,75	2+2	5700~9500	<b>694.015.31</b>
132	35	2+2	5700~9500	<b>694.015.35</b>
147	40	2+2	5100~8500	<b>694.015.40</b>
147	50	2+2	5100~8500	<b>694.015.50</b>

### Spare parts

Part	Part	Part
695.998.01	695.998.21	695.998.301
695.998.02	695.998.22	695.998.311
695.998.03	695.998.23	695.998.351
695.998.04	695.998.24	695.998.401
695.998.05	695.998.25	

### Spare parts

Head type (1)	Part	Description
<b>695.015.A1</b>	25x29,8x2mm HWM pair of knives (A1)	
<b>695.015.B1</b>	25x29,8x2mm HWM pair of knives (B1)	
<b>695.015.C1</b>	25x29,8x2mm HWM pair of knives (C1)	
<b>695.015.D1</b>	25x29,8x2mm HWM pair of knives (D1)	
<b>695.015.E1</b>	25x29,8x2mm HWM pair of knives (E1)	
<b>695.999.23</b>	23x11x9,5mm wedge for knives	
<b>990.084.00</b>	M6x20mm screw	

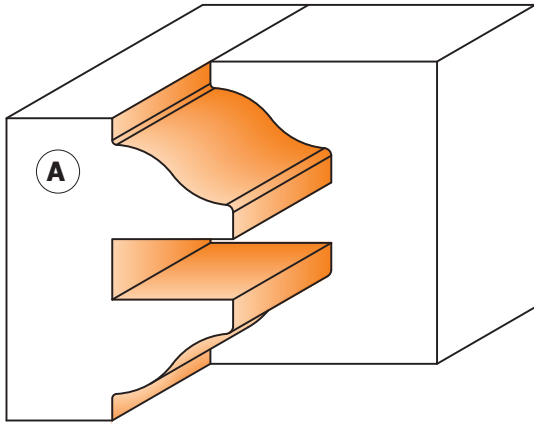
Head type (2)	Part	Description
<b>695.015.A2</b>	25x29,8x2mm HWM pair of knives (A2)	
<b>695.015.B2</b>	25x29,8x2mm HWM pair of knives (B2)	
<b>695.015.C2</b>	25x29,8x2mm HWM pair of knives (C2)	
<b>695.015.D2</b>	25x29,8x2mm HWM pair of knives (D2)	
<b>695.015.E2</b>	25x29,8x2mm HWM pair of knives (E2)	
<b>695.999.24</b>	23x11x9,5mm wedge for knives	
<b>990.084.00</b>	M6x20mm screws	

Head type (3)	Part	Description
<b>790.076.00</b>	7,65x12x1,5mm HWM knives	
<b>695.999.07</b>	6,8x11x9,5mm wedge for knives	
<b>990.063.00</b>	M5x18mm screw	
<b>790.140.00</b>	14x14x2mm HWM Knives	
<b>990.080.00</b>	M5x6,5mm screw	
<b>991.061.00</b>	T15 hex key	
<b>991.072.00</b>	T20 hex key	

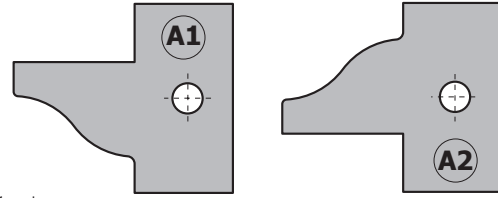
# Profile and counter profile cutter head sets

**Standard**

Pair of knives 695.015.A1  
 Pair of knives 695.015.A2

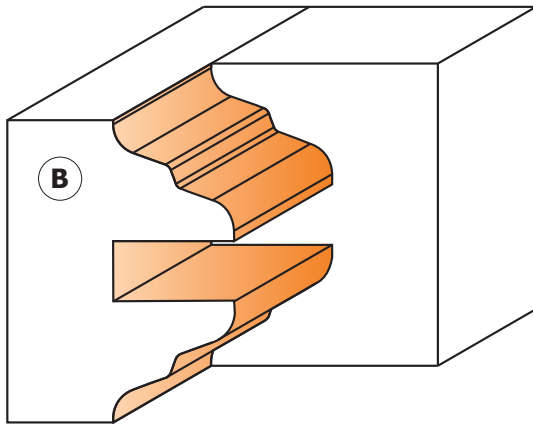
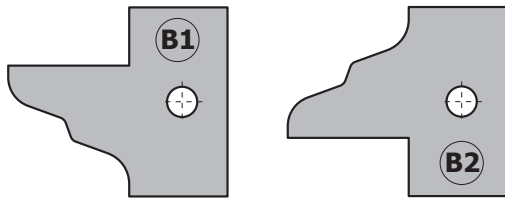


Drawings are 1:1 scale

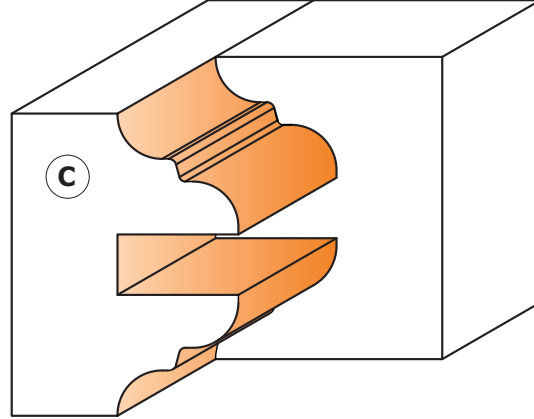
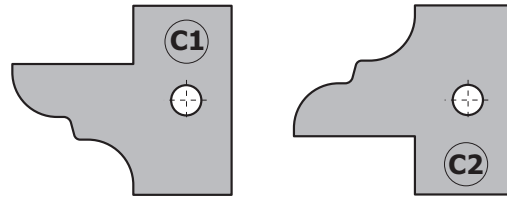


**Optional**

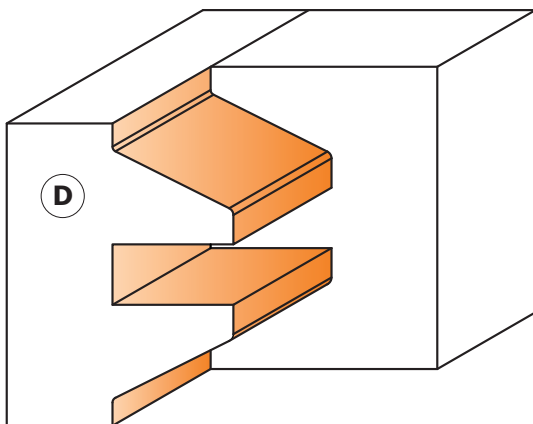
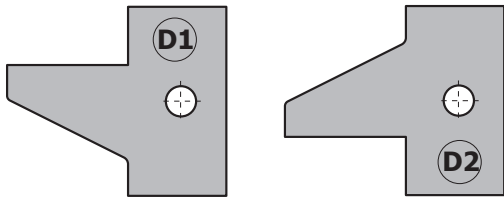
Pair of knives 695.015.B1  
 Pair of knives 695.015.B2



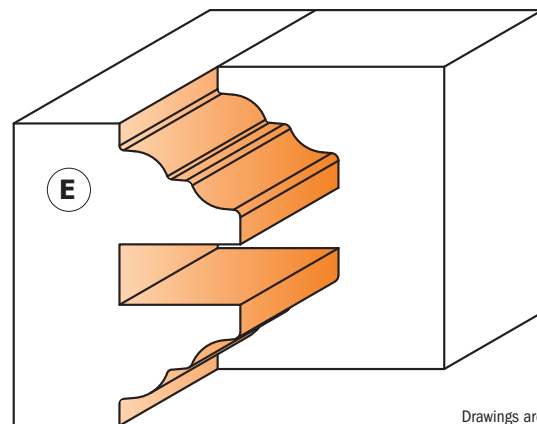
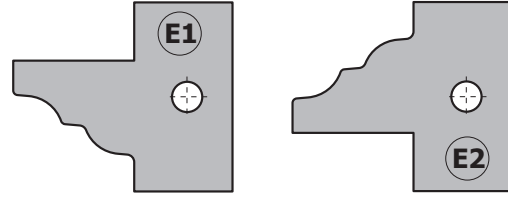
Pair of knives 695.015.C1  
 Pair of knives 695.015.C2



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



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



Drawings are 1:1 scale

# Cutter heads without limiters



**692**

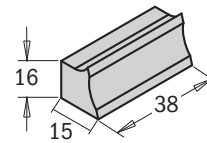
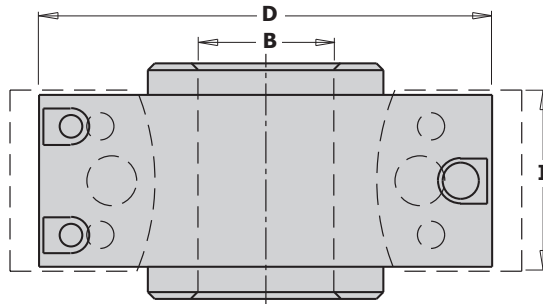


CMT cutter heads guarantee excellent performance for all your projects. For use on all types of moulder and spindle moulder machines.

**Technical details:**

- Hard aluminum or steel alloy cutter head without limiters, highly resistant to tensile and yield stress;
- Pair of universal straight knives;
- Tools for mechanical feed (MEC);
- Pins for the automatic positioning of the knives;
- Possibility to use knives with a height of 40mm or 50mm (order no. 690);

Supplied in a solid plastic box to contain up to 12 couples of knives.



D mm	I mm	B mm	RPM	ORDER NO.	ORDER NO.	Spare parts		
				Steel body	Alu body			
78	40	19,05	7000~9000		<b>692.078.19*</b>	692.999.01	990.064.00	991.064.00
78	40	30	7000~9000		<b>692.078.30*</b>	692.999.01	990.064.00	991.064.00
100	40-50	25,4	5500~8400		<b>692.100.26</b>	692.999.01	990.064.00	991.064.00
100	40-50	30	5500~8400	<b>692.101.30</b>	<b>692.100.30</b>	692.999.01	990.064.00	991.064.00
100	40-50	31,75	5500~8400		<b>692.100.31</b>	692.999.01	990.064.00	991.064.00
100	40-50	35	5500~8400	<b>692.101.35</b>	<b>692.100.35</b>	692.999.01	990.064.00	991.064.00
120	40-50	50	4800~7400	<b>692.121.50</b>	<b>692.120.50</b>	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



**693**



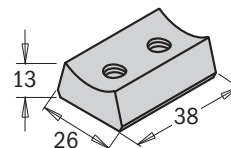
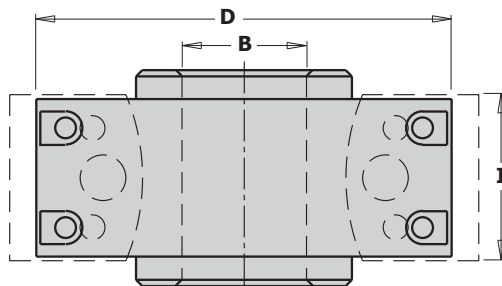
CMT cutter heads guarantee excellent performance for all your projects. For use on all types of moulder and spindle moulder machines.

**Technical characteristics:**

- Hard aluminum or steel alloy cutter head without limiters, highly resistant to tensile and yield stress;
- Pair of universal straight knives;
- 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).

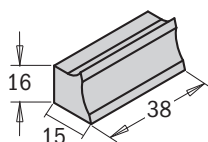
Made in compliance with the European Normative EN 847-1

Supplied in a solid plastic box to contain up to 12 couples of knives.



D mm	I mm	B mm	RPM	ORDER NO.	ORDER NO.	Spare parts		
				Steel body	Alu body			
78	40	30	7000~9000	<b>693.078.30</b>		693.999.01	990.065.00	991.064.00
100	40-50	30	5500~8400	<b>693.101.30</b>	<b>693.100.30</b>	693.999.01	990.065.00	991.064.00
100	40-50	31,75	5500~8400		<b>693.100.31</b>	693.999.01	990.065.00	991.064.00
100	40-50	35	5500~8400	<b>693.101.35</b>	<b>693.100.35</b>	693.999.01	990.065.00	991.064.00
120	40-50	50	4800~7400	<b>693.121.50</b>	<b>693.120.50</b>	693.999.01	990.065.00	991.064.00

# 13 piece multiprofile cutter head sets without limiters



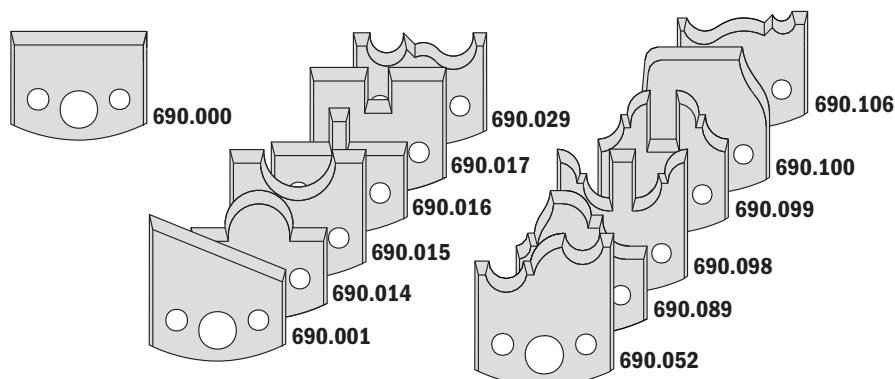
## 692



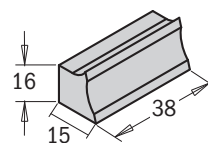
These sets are ideal for the professional woodworker for making joints and frames and include 3 essential profiles to produce kitchen doors. The cutter heads included in the sets allow the insertion of knives with a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

**These sets include:**

- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives;
- 13 pairs of knives with a cutting height of 40mm.



D mm	I mm	B mm	RPM	ORDER NO.	Spare parts		
78	40	19,05	7000~9000	<b>692.013.09</b>			
78	40	30	7000~9000	<b>692.013.01</b>	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	<b>692.013.10</b>	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	<b>692.013.02</b>	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	<b>692.013.11</b>	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	<b>692.013.03</b>	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	<b>692.013.04</b>	692.999.01	990.064.00	991.064.00



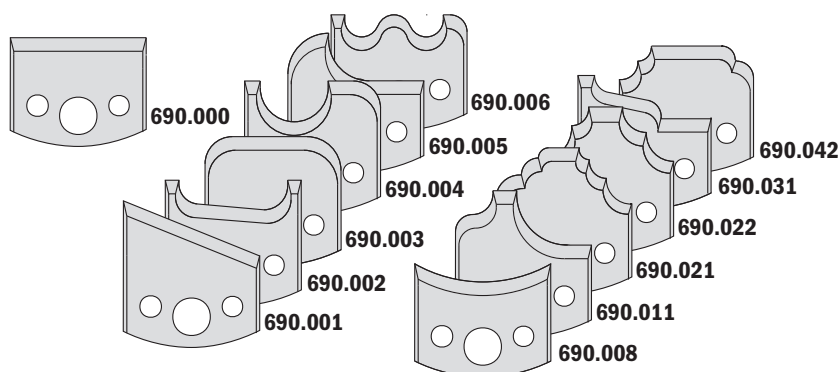
## 692



These sets are ideal for the professional woodworker and include 13 profile knives for making joints, frames, multiple profiles, moldings and chamfers. The cutter head included in the sets allow the insertion of knives with a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

**These sets include:**

- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives;
- 13 pairs of knives with a cutting height of 40mm.



D mm	I mm	B mm	RPM	ORDER NO.	Spare parts		
78	40	19,05	7000~9000	<b>692.013.12</b>			
78	40	30	7000~9000	<b>692.013.05</b>	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	<b>692.013.13</b>	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	<b>692.013.06</b>	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	<b>692.013.14</b>	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	<b>692.013.07</b>	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	<b>692.013.08</b>	692.999.01	990.064.00	991.064.00

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 7 piece multiprofile cutter head sets with limiters

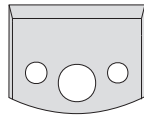
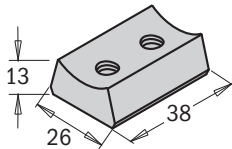


### 693

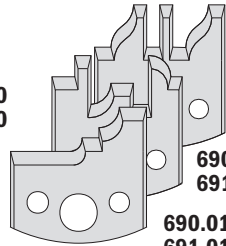
The professional woodworker has now the chance to make kitchen doors with a horizontal profile and male-and-female joints with two pairs of cutters. In fact, along with 7 profiled knives these sets also contains a specially designed cutter head that allows the insertion of knives with a height of either 40mm or 50mm, and safety limiters produced in compliance with the European normative EN 847-1. Both cutter head and knives are stored in solid plastic cases to prevent damage.

#### These sets include:

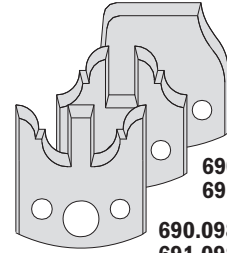
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives;
- 7 pairs of knives with 40mm of cutting;
- 7 pairs of relative limiters.



690.000  
691.000



690.097  
691.097  
690.096  
691.096  
690.019  
691.019



690.100  
691.100  
690.099  
691.099  
690.098  
691.098

D mm	I mm	B mm	RPM	ORDER NO.
100	40	30	5500~8400	<b>693.013.01</b>
100	40	35	5500~8400	<b>693.013.02</b>
120	40	50	4800~7400	<b>693.013.03</b>

#### 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

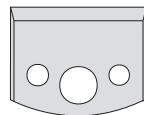
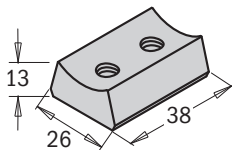


### 693

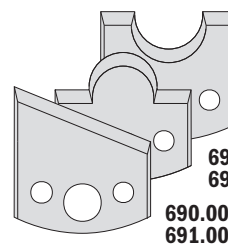
CMT has designed these sets containing 7 profiled knives and a cutter head for making joints, frames and chamfers. The cutter heads allow the insertion of knives with a height of either 40mm or 50mm and safety limiters produced in compliance with the European normative EN 847-1. Both cutter head and knives are stored in solid plastic cases to prevent damage.

#### These sets include:

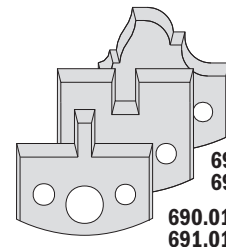
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives;
- 7 pairs of knives with 40mm of cutting;
- 7 pairs of relative limiters.



690.000  
691.000



690.015  
691.015  
690.014  
691.014  
690.001  
691.001



690.089  
691.089  
690.017  
691.017  
690.016  
691.016

D mm	I mm	B mm	RPM	ORDER NO.
100	40	30	5500~8400	<b>693.013.04</b>
100	40	35	5500~8400	<b>693.013.05</b>
120	40	50	4800~7400	<b>693.013.06</b>

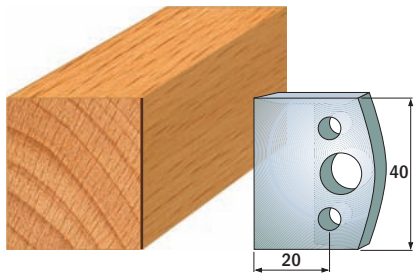
#### Spare parts

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

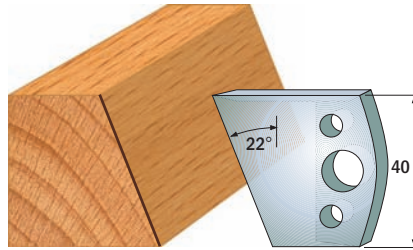
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

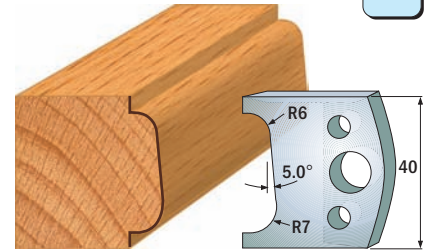
SP



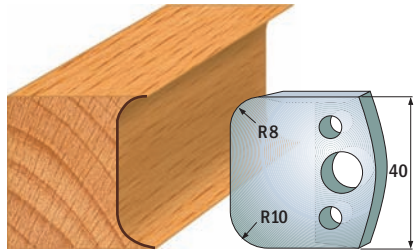
Pair of knives **690.000**  
Pair of limiters **691.000**



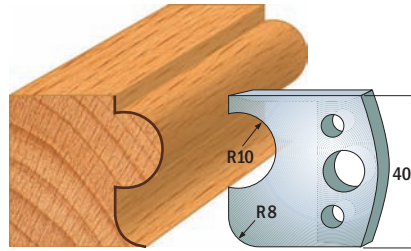
Pair of knives **690.001**  
Pair of limiters **691.001**



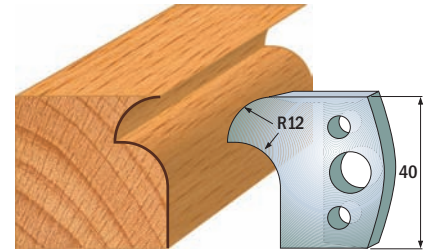
Pair of knives **690.002**  
Pair of limiters **691.002**



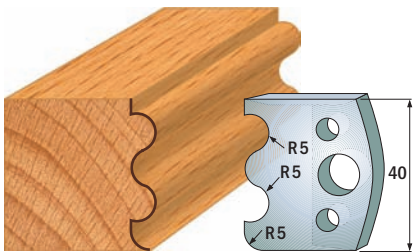
Pair of knives **690.003**  
Pair of limiters **691.003**



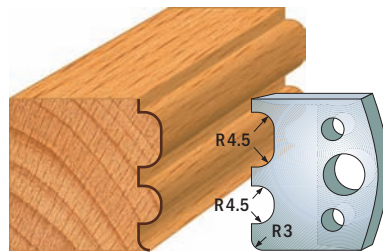
Pair of knives **690.004**  
Pair of limiters **691.004**



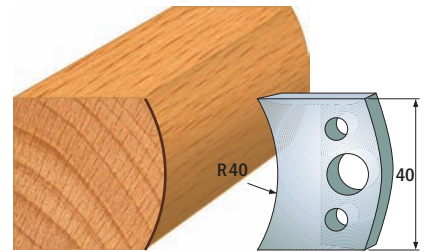
Pair of knives **690.005**  
Pair of limiters **691.005**



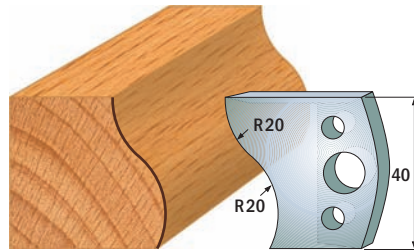
Pair of knives **690.006**  
Pair of limiters **691.006**



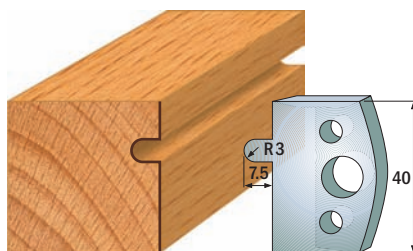
Pair of knives **690.007**  
Pair of limiters **691.007**



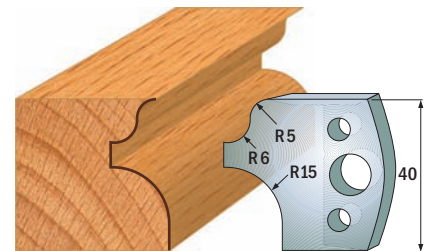
Pair of knives **690.008**  
Pair of limiters **691.008**



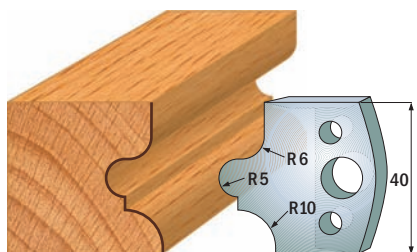
Pair of knives **690.009**  
Pair of limiters **691.009**



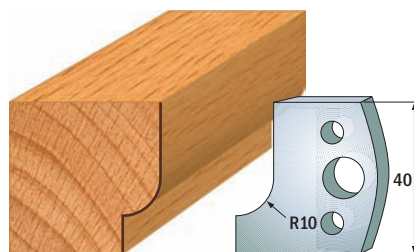
Pair of knives **690.010**  
Pair of limiters **691.010**



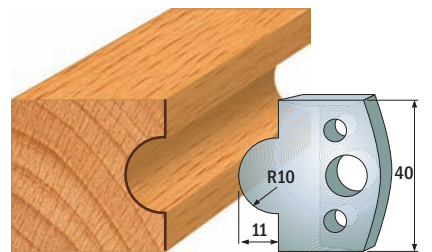
Pair of knives **690.011**  
Pair of limiters **691.011**



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 and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

# Profile knives and limiters

Cutting length=40mm Thickness=4mm



SP

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

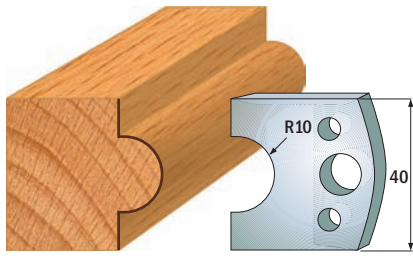
Industrial Dowel Drills

Bits for Hand Power Tools

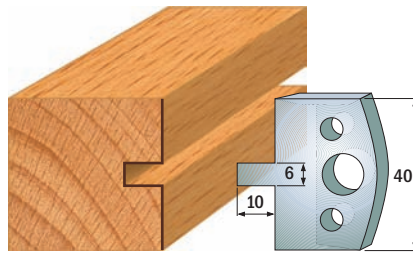
Spare Parts

Power Tools & Accessories

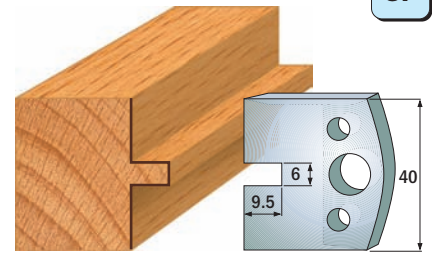
Display Cabinets



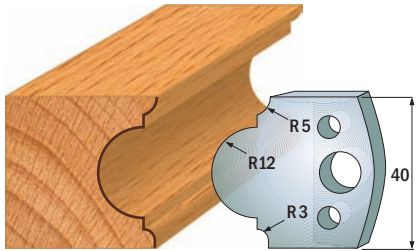
Pair of knives **690.015**  
Pair of limiters **691.015**



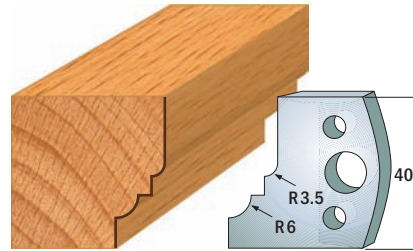
Pair of knives **690.016**  
Pair of limiters **691.016**



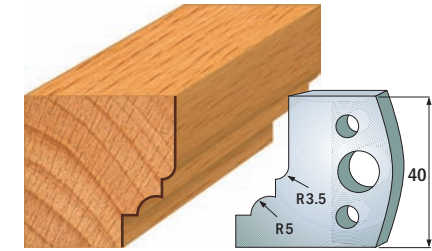
Pair of knives **690.017**  
Pair of limiters **691.017**



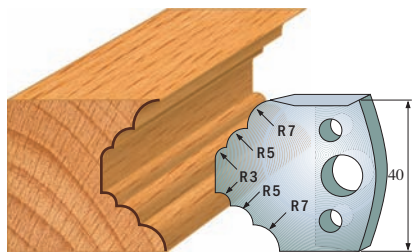
Pair of knives **690.018**  
Pair of limiters **691.018**



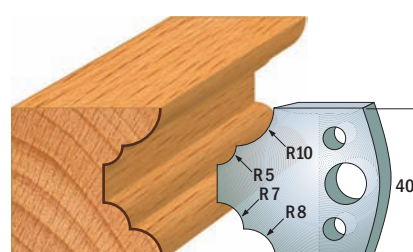
Pair of knives **690.019**  
Pair of limiters **691.019**



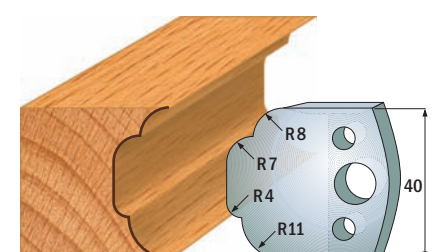
Pair of knives **690.020**  
Pair of limiters **691.020**



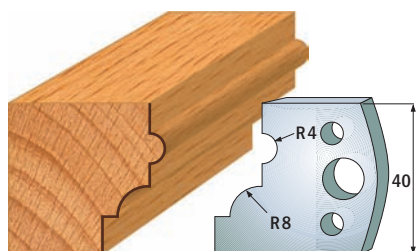
Pair of knives **690.021**  
Pair of limiters **691.021**



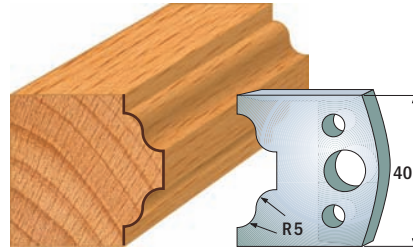
Pair of knives **690.022**  
Pair of limiters **691.022**



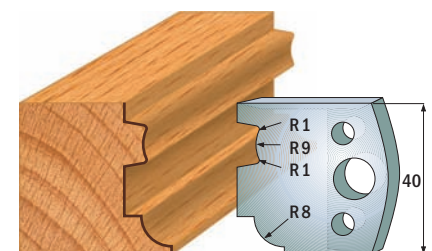
Pair of knives **690.023**  
Pair of limiters **691.023**



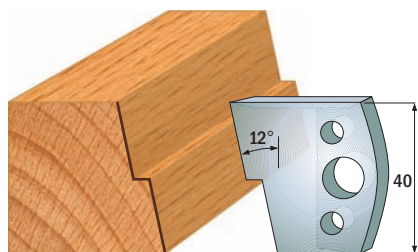
Pair of knives **690.024**  
Pair of limiters **691.024**



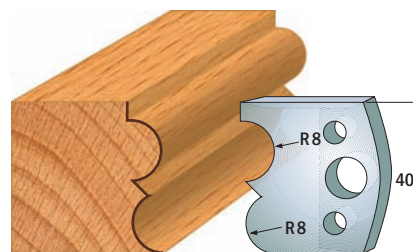
Pair of knives **690.025**  
Pair of limiters **691.025**



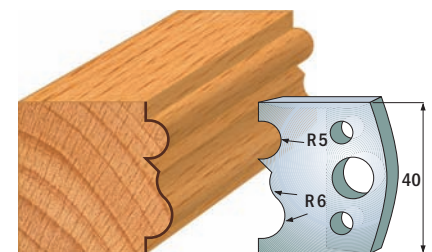
Pair of knives **690.026**  
Pair of limiters **691.026**



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 and limiters only available in pairs

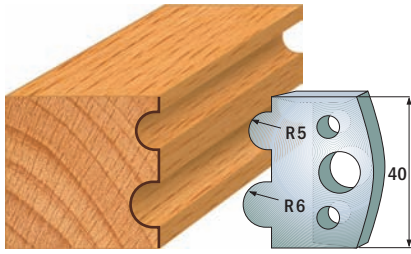
Drawings are 1:2 scale

Dimensions in mm.

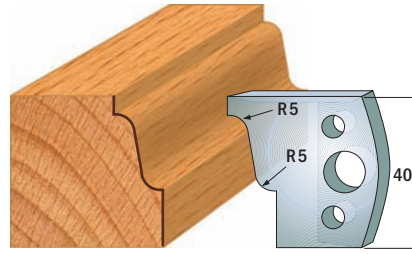
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

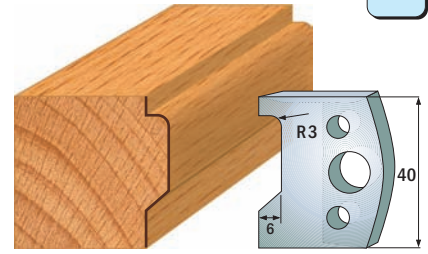
SP



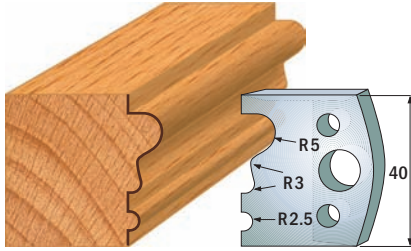
Pair of knives **690.030**  
Pair of limiters **691.030**



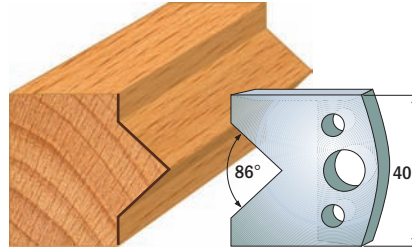
Pair of knives **690.031**  
Pair of limiters **691.031**



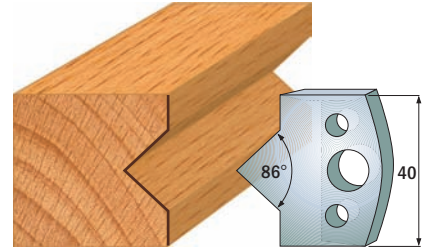
Pair of knives **690.032**  
Pair of limiters **691.032**



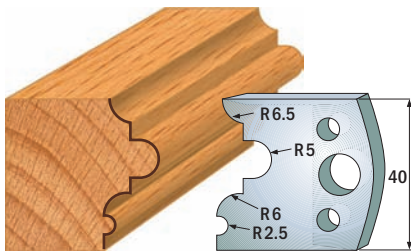
Pair of knives **690.033**  
Pair of limiters **691.033**



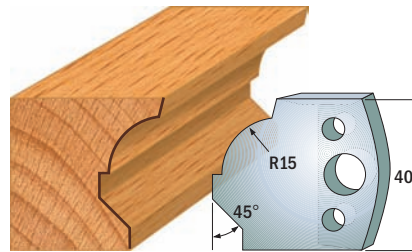
Pair of knives **690.034**  
Pair of limiters **691.034**



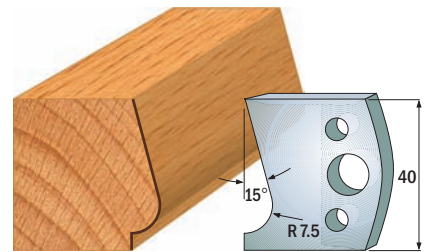
Pair of knives **690.035**  
Pair of limiters **691.035**



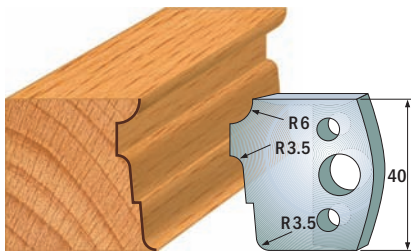
Pair of knives **690.036**  
Pair of limiters **691.036**



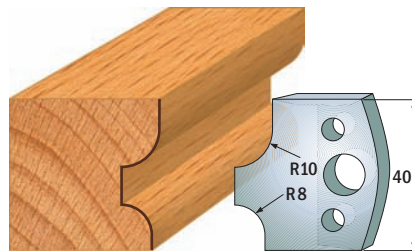
Pair of knives **690.037**  
Pair of limiters **691.037**



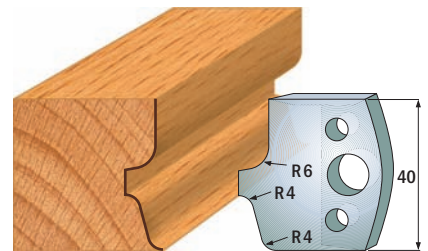
Pair of knives **690.038**  
Pair of limiters **691.038**



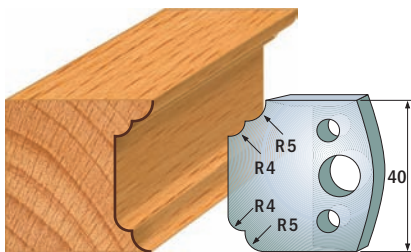
Pair of knives **690.039**  
Pair of limiters **691.039**



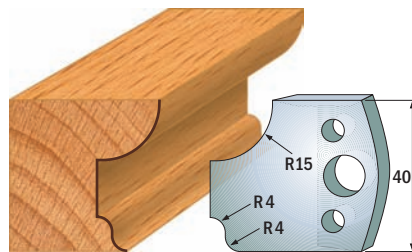
Pair of knives **690.040**  
Pair of limiters **691.040**



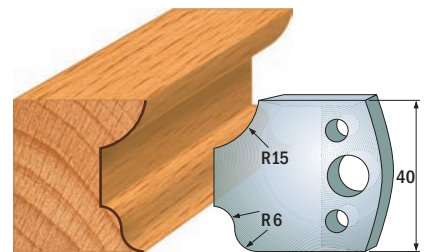
Pair of knives **690.041**  
Pair of limiters **691.041**



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 and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

# Profile knives and limiters

Cutting length=40mm Thickness=4mm



SP

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

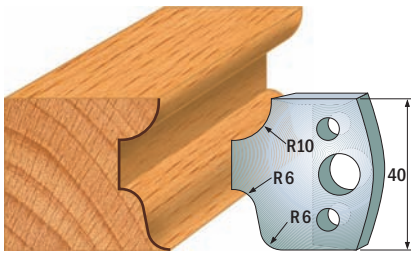
Industrial Dowel Drills

Bits for Hand Power Tools

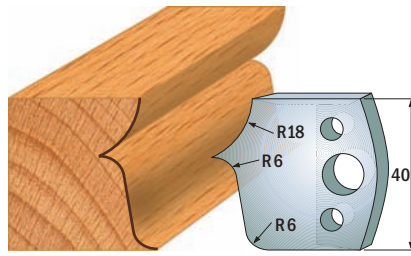
Spare Parts

Power Tools & Accessories

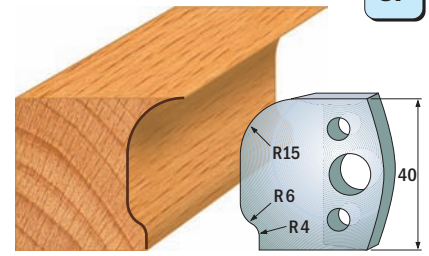
Display Cabinets



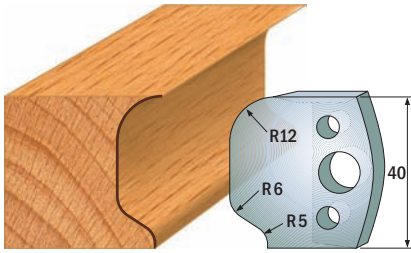
Pair of knives **690.045**  
Pair of limiters **691.045**



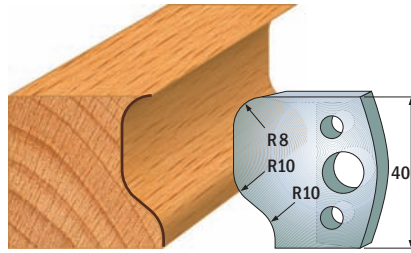
Pair of knives **690.046**  
Pair of limiters **691.046**



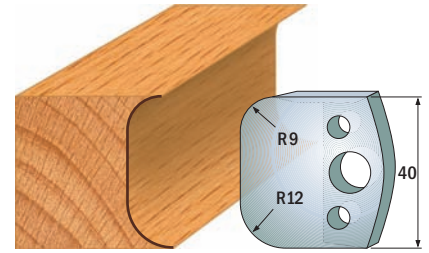
Pair of knives **690.047**  
Pair of limiters **691.047**



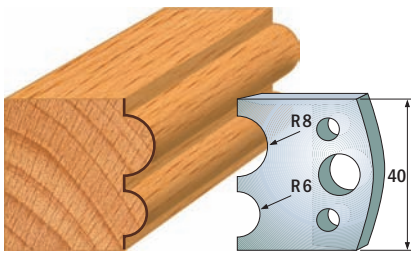
Pair of knives **690.048**  
Pair of limiters **691.048**



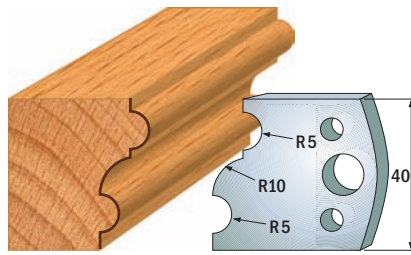
Pair of knives **690.049**  
Pair of limiters **691.049**



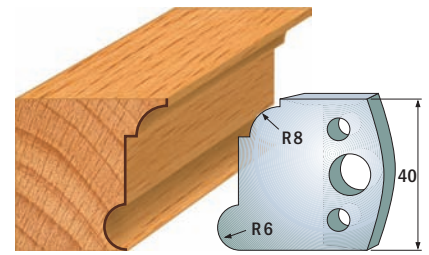
Pair of knives **690.050**  
Pair of limiters **691.050**



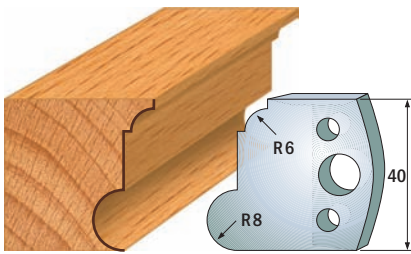
Pair of knives **690.051**  
Pair of limiters **691.051**



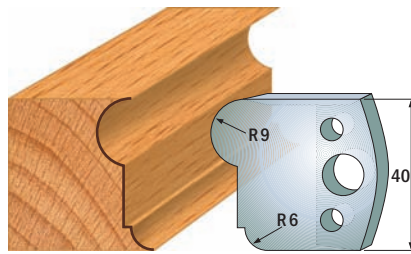
Pair of knives **690.052**  
Pair of limiters **691.052**



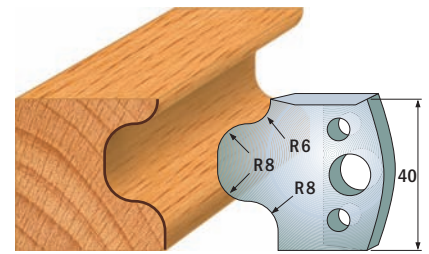
Pair of knives **690.053**  
Pair of limiters **691.053**



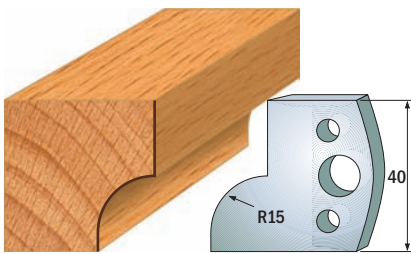
Pair of knives **690.054**  
Pair of limiters **691.054**



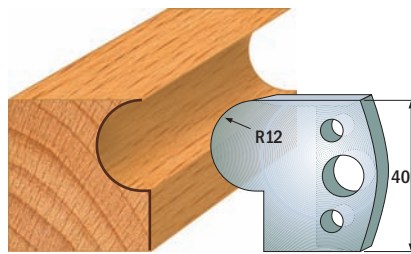
Pair of knives **690.055**  
Pair of limiters **691.055**



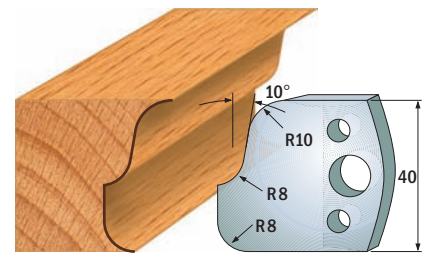
Pair of knives **690.056**  
Pair of limiters **691.056**



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 and limiters only available in pairs

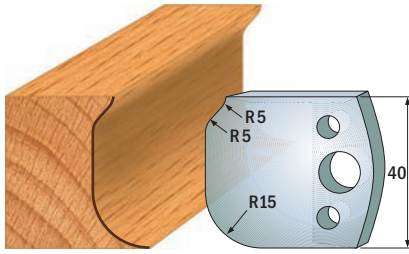
Drawings are 1:2 scale

Dimensions in mm.

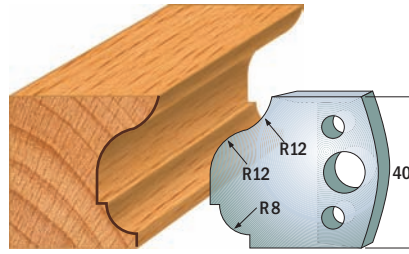
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

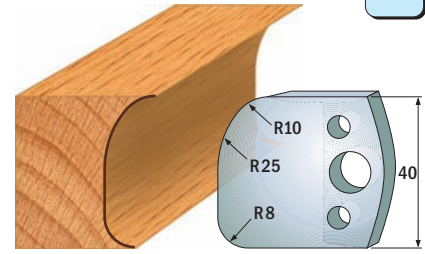
SP



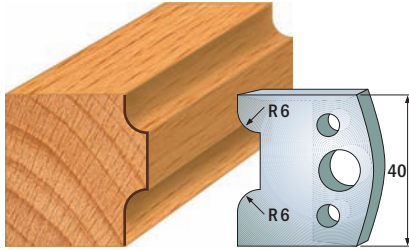
Pair of knives **690.060**  
Pair of limiters **691.060**



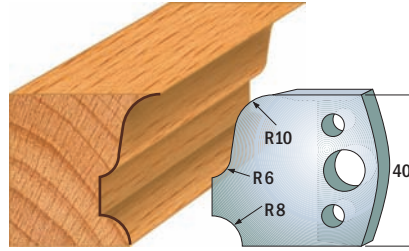
Pair of knives **690.061**  
Pair of limiters **691.061**



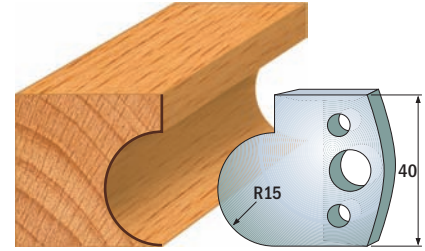
Pair of knives **690.062**  
Pair of limiters **691.062**



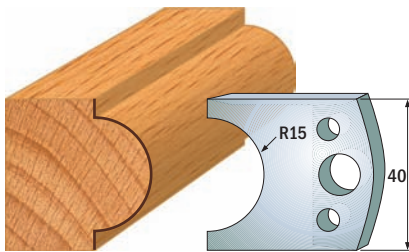
Pair of knives **690.063**  
Pair of limiters **691.063**



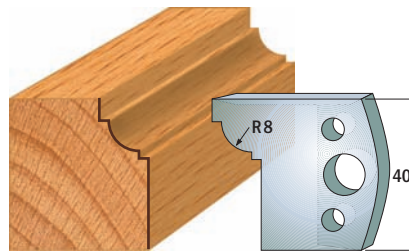
Pair of knives **690.064**  
Pair of limiters **691.064**



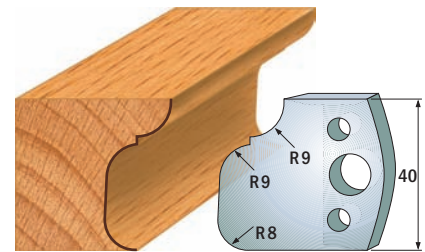
Pair of knives **690.065**  
Pair of limiters **691.065**



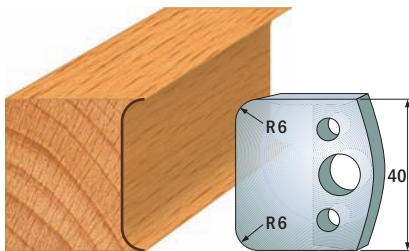
Pair of knives **690.066**  
Pair of limiters **691.066**



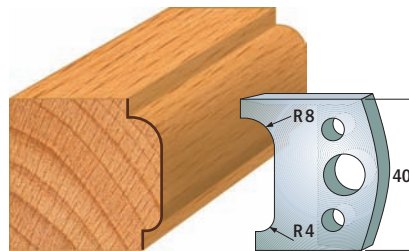
Pair of knives **690.067**  
Pair of limiters **691.067**



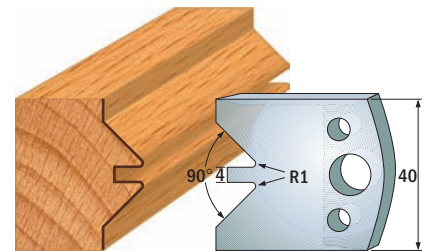
Pair of knives **690.068**  
Pair of limiters **691.068**



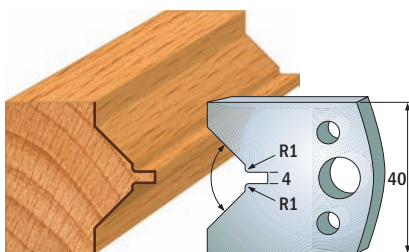
Pair of knives **690.069**  
Pair of limiters **691.069**



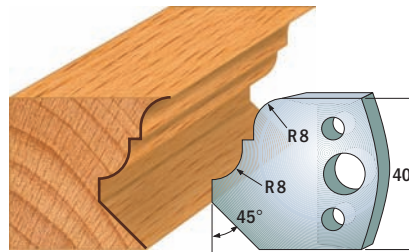
Pair of knives **690.070**  
Pair of limiters **691.070**



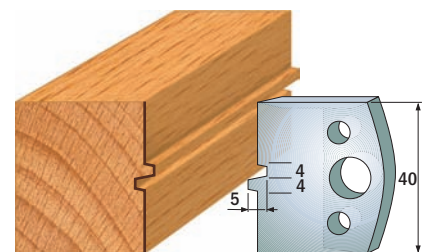
Pair of knives **690.071**  
Pair of limiters **691.071**



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 and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

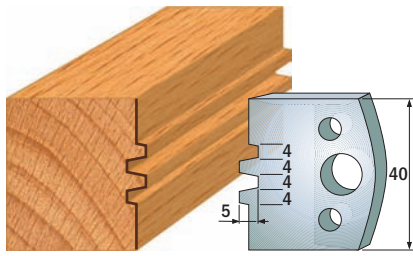
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

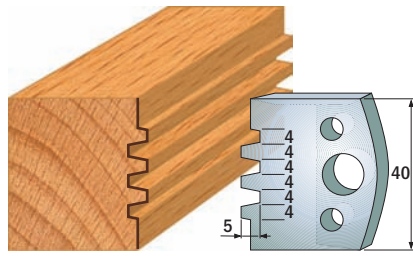


SP

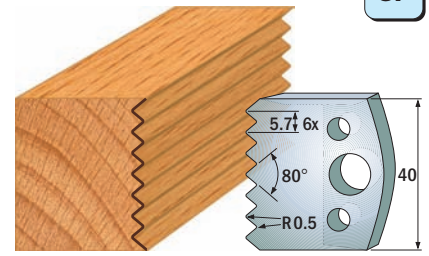
Saw blades  
Tools with bore & Knives  
Router Bits & Sets  
CNC Router Cutter & Chucks  
Industrial Dowel Drills  
Bits for Hand Power Tools  
Spare Parts  
Power Tools & Accessories  
Display Cabinets



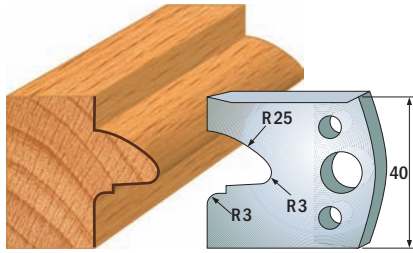
Pair of knives **690.075**  
Pair of limiters **691.075**



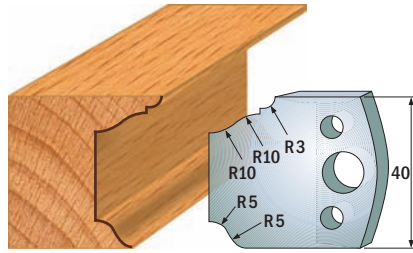
Pair of knives **690.076**  
Pair of limiters **691.076**



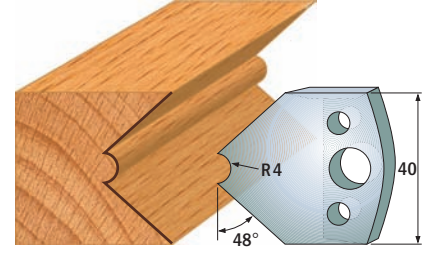
Pair of knives **690.077**  
Pair of limiters **691.077**



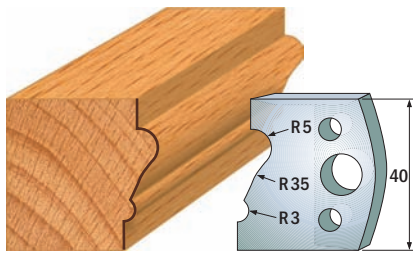
Pair of knives **690.078**  
Pair of limiters **691.078**



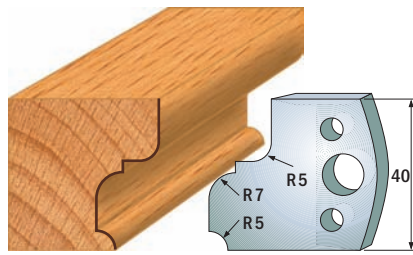
Pair of knives **690.079**  
Pair of limiters **691.079**



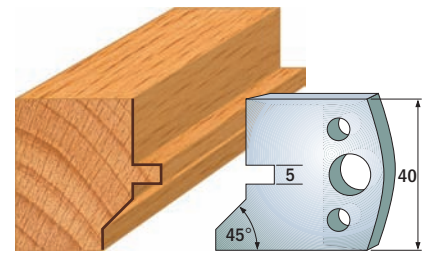
Pair of knives **690.080**  
Pair of limiters **691.080**



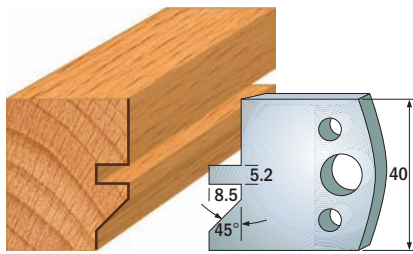
Pair of knives **690.081**  
Pair of limiters **691.081**



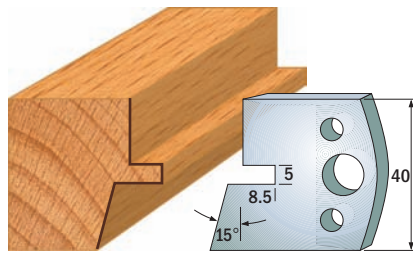
Pair of knives **690.082**  
Pair of limiters **691.082**



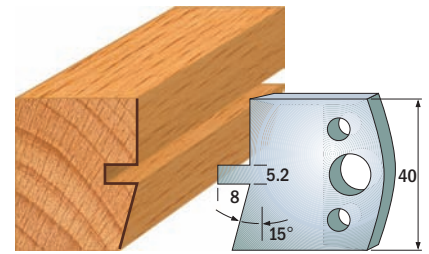
Pair of knives **690.083**  
Pair of limiters **691.083**



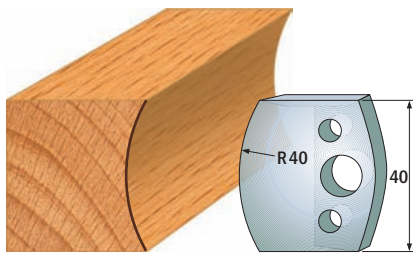
Pair of knives **690.084**  
Pair of limiters **691.084**



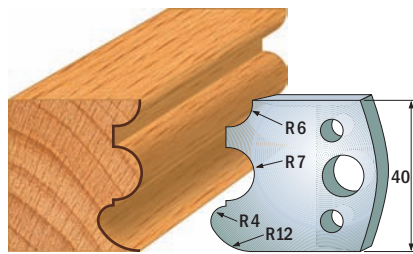
Pair of knives **690.085**  
Pair of limiters **691.085**



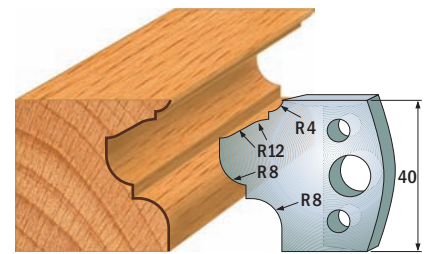
Pair of knives **690.086**  
Pair of limiters **691.086**



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 and limiters only available in pairs

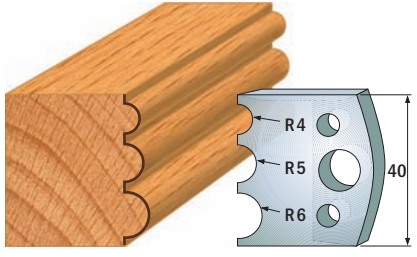
Drawings are 1:2 scale

Dimensions in mm.

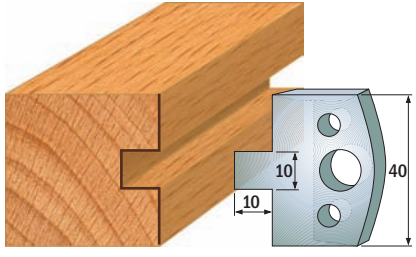
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

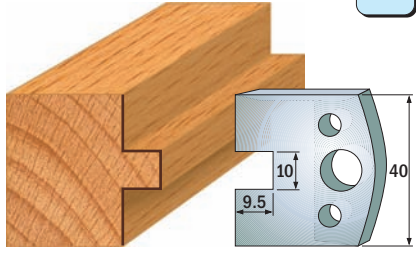
SP



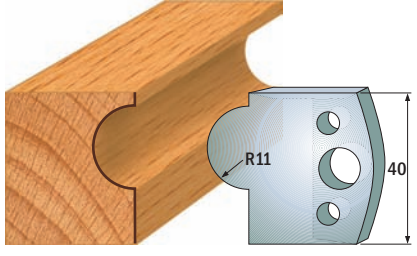
Pair of knives **690.090**  
Pair of limiters **691.090**



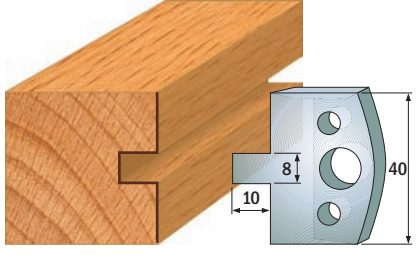
Pair of knives **690.091**  
Pair of limiters **691.091**



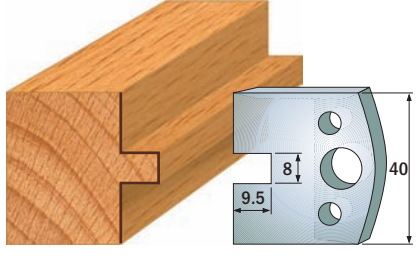
Pair of knives **690.092**  
Pair of limiters **691.092**



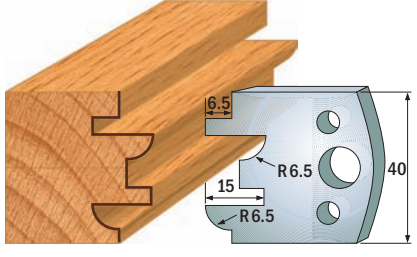
Pair of knives **690.093**  
Pair of limiters **691.093**



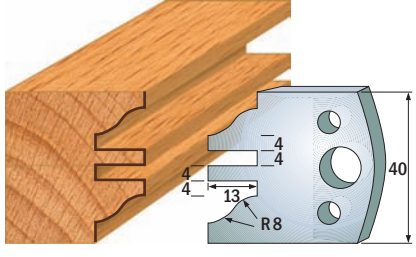
Pair of knives **690.094**  
Pair of limiters **691.094**



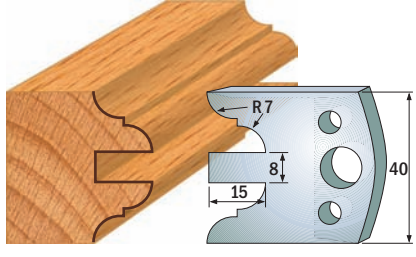
Pair of knives **690.095**  
Pair of limiters **691.095**



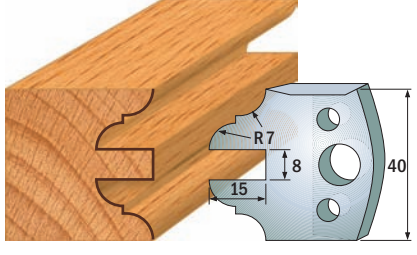
Pair of knives **690.096**  
Pair of limiters **691.096**



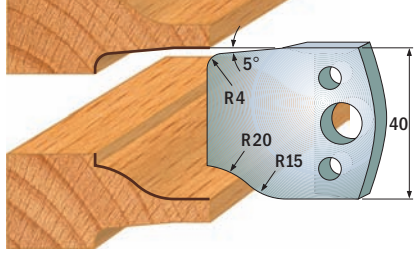
Pair of knives **690.097**  
Pair of limiters **691.097**



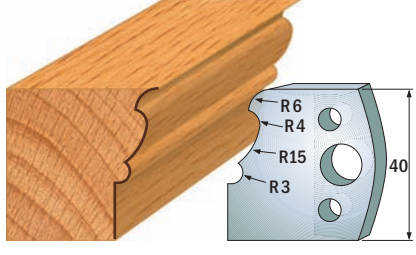
Pair of knives **690.098**  
Pair of limiters **691.098**



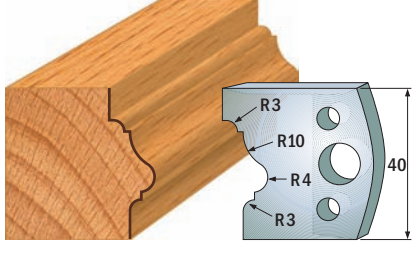
Pair of knives **690.099**  
Pair of limiters **691.099**



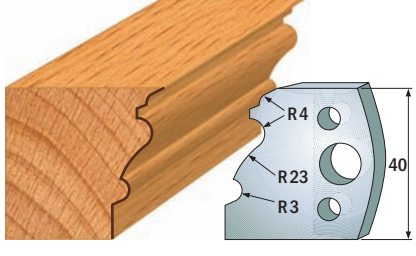
Pair of knives **690.100**  
Pair of limiters **691.100**



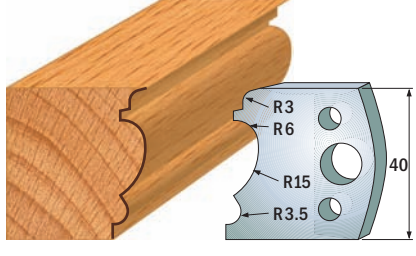
Pair of knives **690.101**  
Pair of limiters **691.101**



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 and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.



# Profile knives and limiters

Cutting length=40mm Thickness=4mm



SP

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

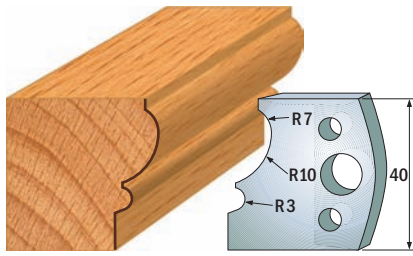
Industrial Dowel Drills

Bits for Hand Power Tools

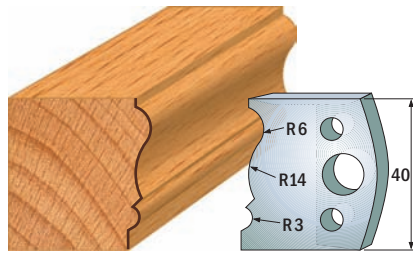
Spare Parts

Power Tools & Accessories

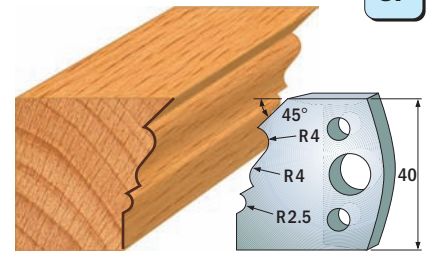
Display Cabinets



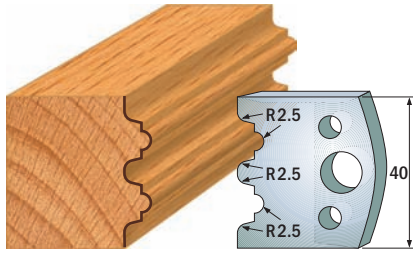
Pair of knives **690.105**  
Pair of limiters **691.105**



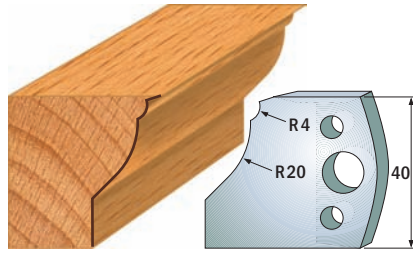
Pair of knives **690.106**  
Pair of limiters **691.106**



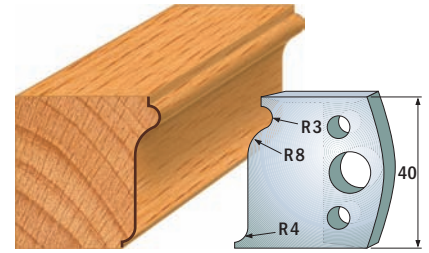
Pair of knives **690.107**  
Pair of limiters **691.107**



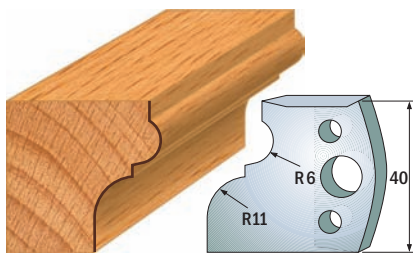
Pair of knives **690.108**  
Pair of limiters **691.108**



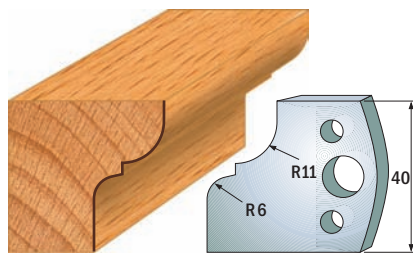
Pair of knives **690.109**  
Pair of limiters **691.109**



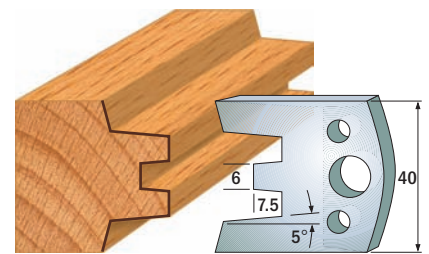
Pair of knives **690.110**  
Pair of limiters **691.110**



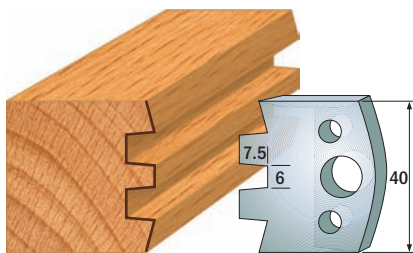
Pair of knives **690.111**  
Pair of limiters **691.111**



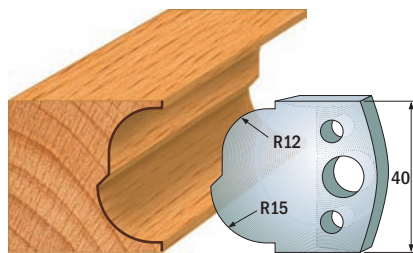
Pair of knives **690.112**  
Pair of limiters **691.112**



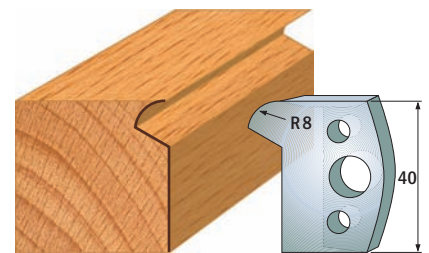
Pair of knives **690.113**  
Pair of limiters **691.113**



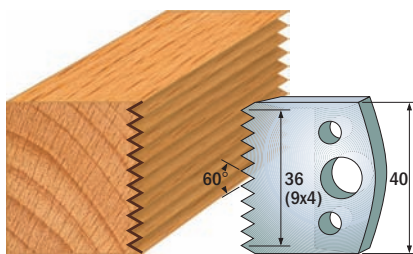
Pair of knives **690.114**  
Pair of limiters **691.114**



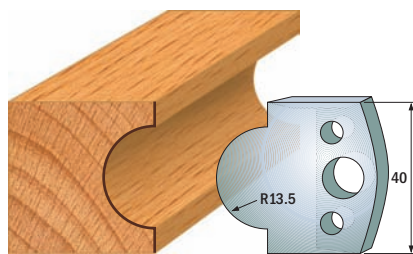
Pair of knives **690.115**  
Pair of limiters **691.115**



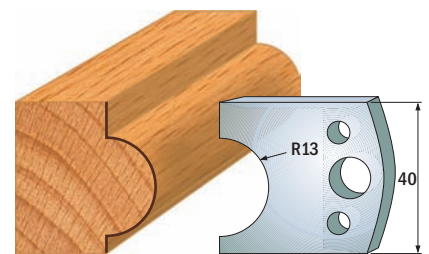
Pair of knives **690.116**  
Pair of limiters **691.116**



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 and limiters only available in pairs

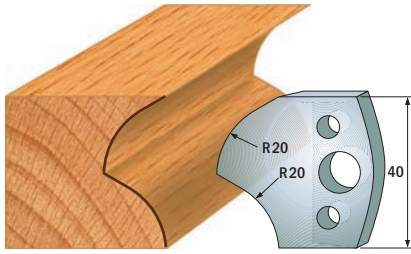
Drawings are 1:2 scale

Dimensions in mm.

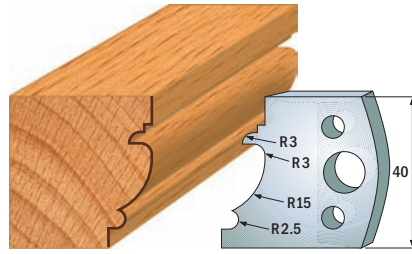
# Profile knives and limiters

Cutting length=40mm Thickness=4mm

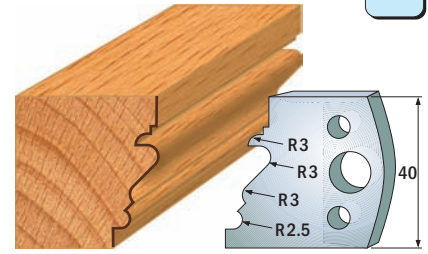
SP



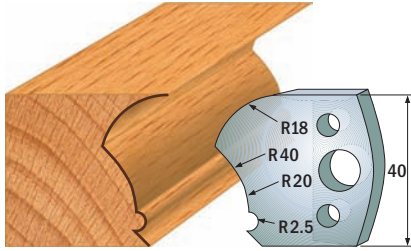
Pair of knives **690.120**  
Pair of limiters **691.120**



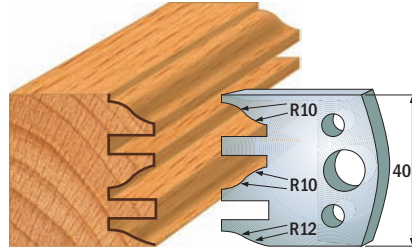
Pair of knives **690.121**  
Pair of limiters **691.121**



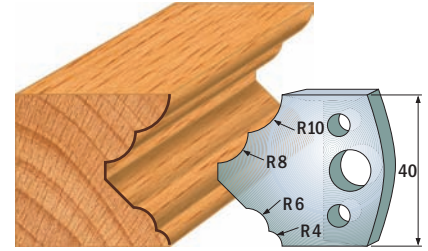
Pair of knives **690.122**  
Pair of limiters **691.122**



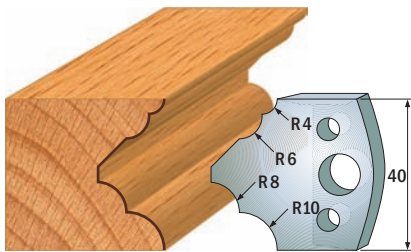
Pair of knives **690.123**  
Pair of limiters **691.123**



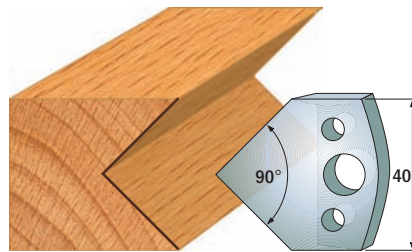
Pair of knives **690.124**  
Pair of limiters **691.124**



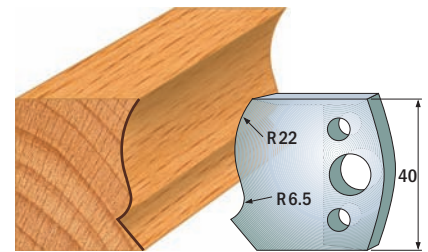
Pair of knives **690.125**  
Pair of limiters **691.125**



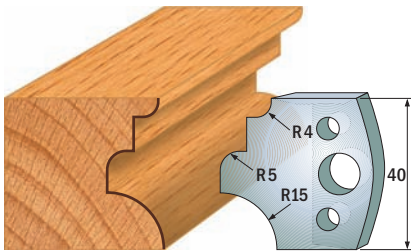
Pair of knives **690.126**  
Pair of limiters **691.126**



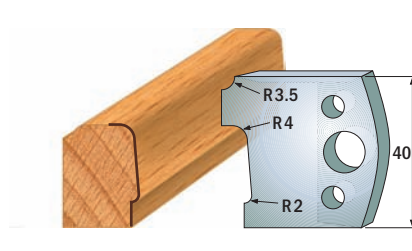
Pair of knives **690.127**  
Pair of limiters **691.127**



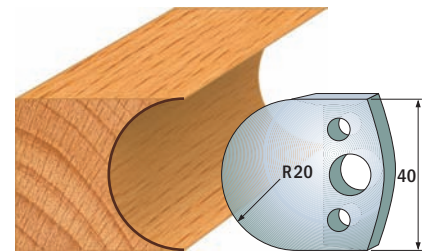
Pair of knives **690.128**  
Pair of limiters **691.128**



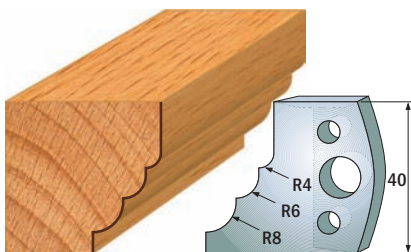
Pair of knives **690.129**  
Pair of limiters **691.129**



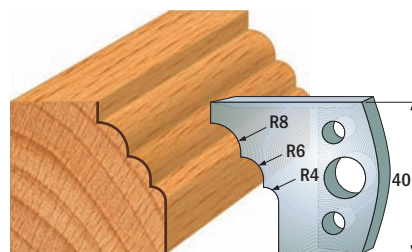
Pair of knives **690.130**  
Pair of limiters **691.130**



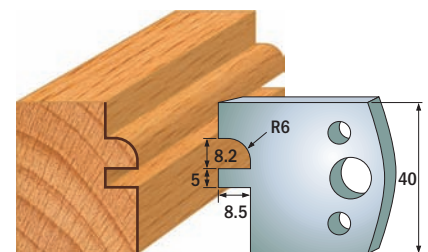
Pair of knives **690.131**  
Pair of limiters **691.131**



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



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



Pair of knives **690.134**  
Pair of limiters **691.134**

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

# Profile knives and limiters

Cutting length=40mm Thickness=4mm



SP

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

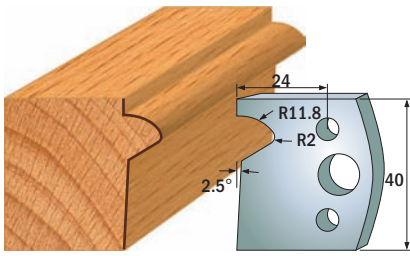
Industrial Dowel Drills

Bits for Hand Power Tools

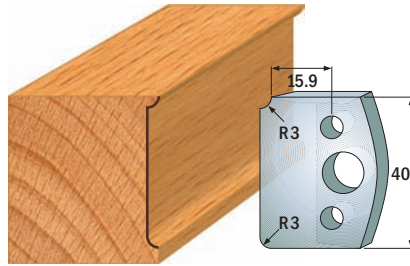
Spare Parts

Power Tools & Accessories

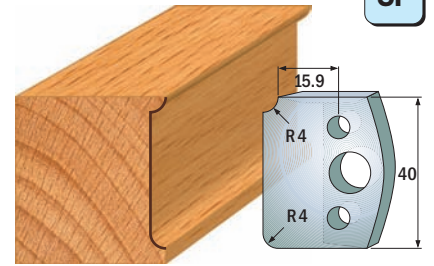
Display Cabinets



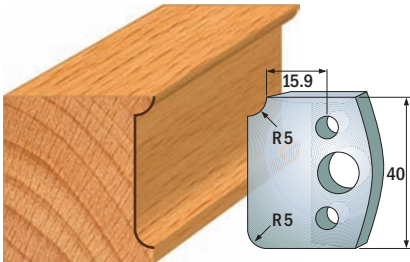
Pair of knives **690.135**  
Pair of limiters **691.135**



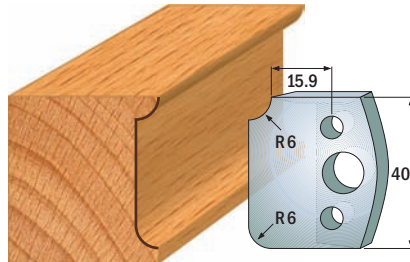
Pair of knives **690.170**  
Pair of limiters **691.170**



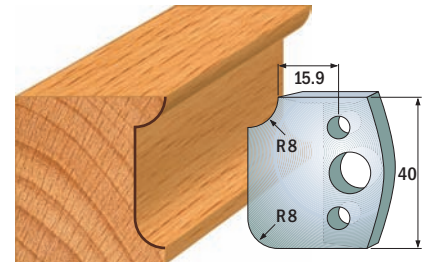
Pair of knives **690.171**  
Pair of limiters **691.171**



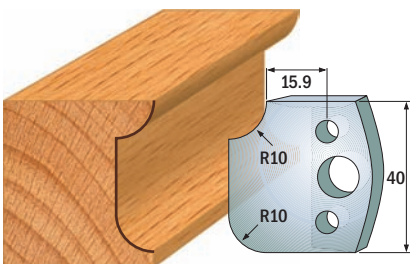
Pair of knives **690.172**  
Pair of limiters **691.172**



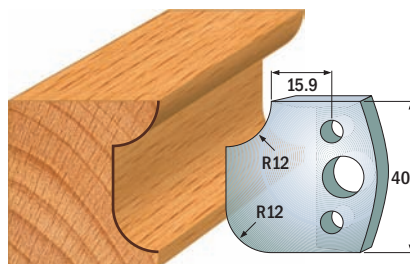
Pair of knives **690.173**  
Pair of limiters **691.173**



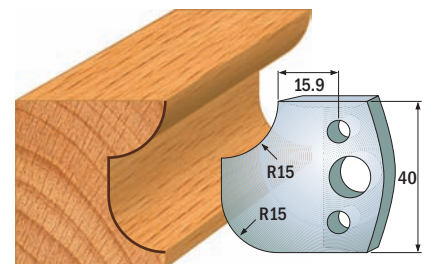
Pair of knives **690.174**  
Pair of limiters **691.174**



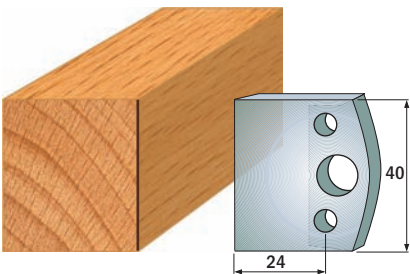
Pair of knives **690.175**  
Pair of limiters **691.175**



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



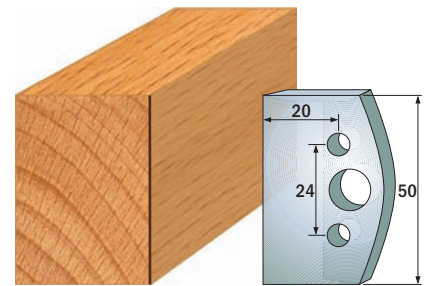
Pair of knives **690.177**  
Pair of limiters **691.177**



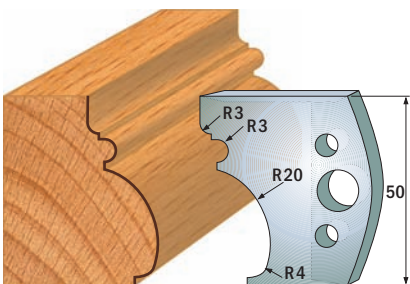
Pair of knives **690.192**  
Pair of limiters **691.192**

## Profile knives and limiters

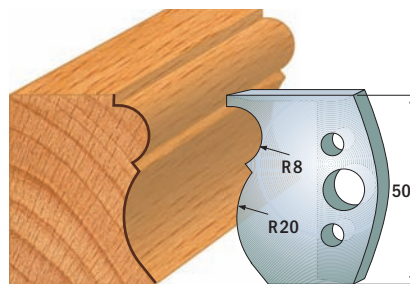
Cutting length=50mm Thickness=4mm



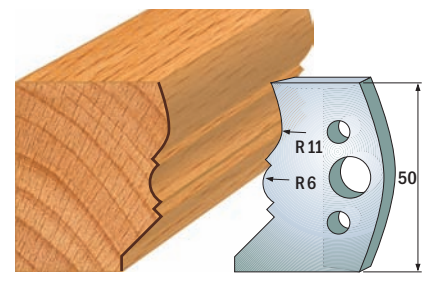
Pair of knives **690.500**  
Pair of limiters **691.500**



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



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



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

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

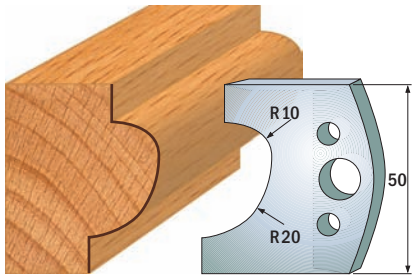
Dimensions in mm.

# Profile knives and limiters

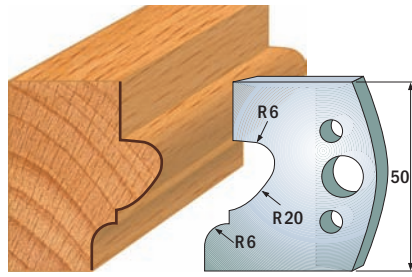
Cutting length=50mm Thickness=4mm



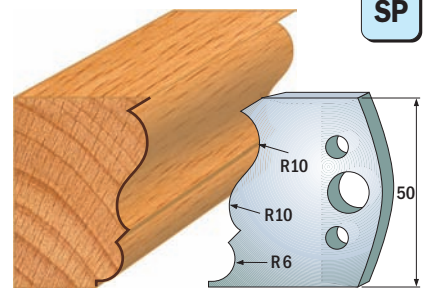
SP



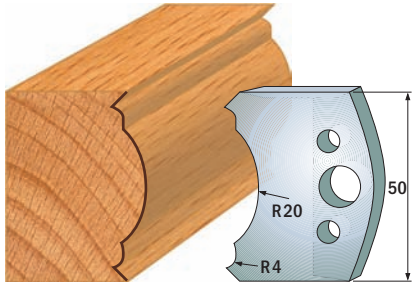
Pair of knives **690.504**  
Pair of limiters **691.504**



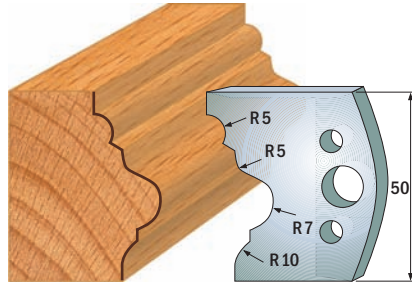
Pair of knives **690.505**  
Pair of limiters **691.505**



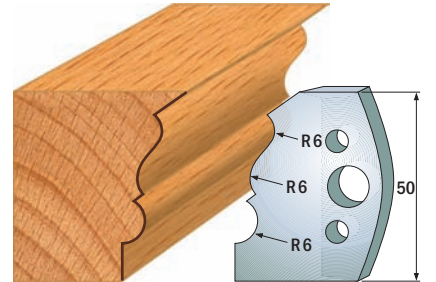
Pair of knives **690.506**  
Pair of limiters **691.506**



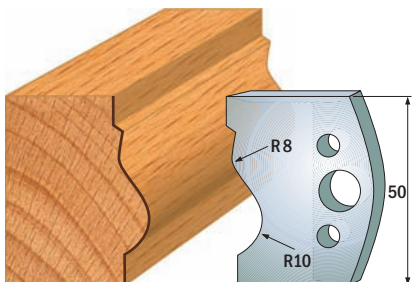
Pair of knives **690.507**  
Pair of limiters **691.507**



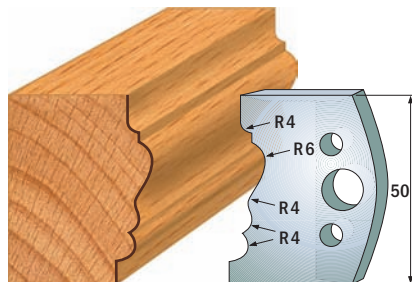
Pair of knives **690.508**  
Pair of limiters **691.508**



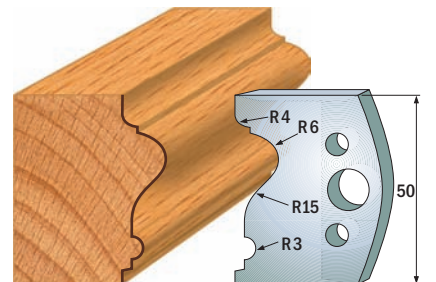
Pair of knives **690.509**  
Pair of limiters **691.509**



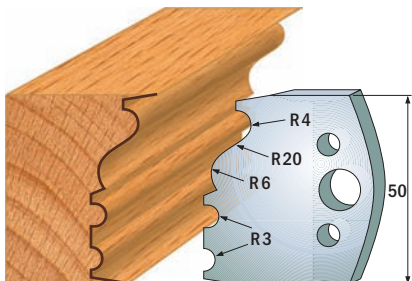
Pair of knives **690.510**  
Pair of limiters **691.510**



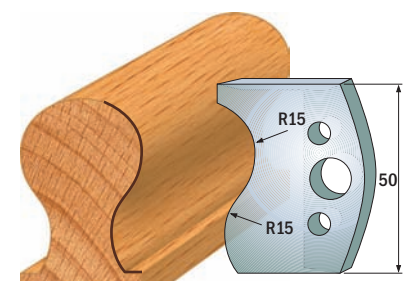
Pair of knives **690.511**  
Pair of limiters **691.511**



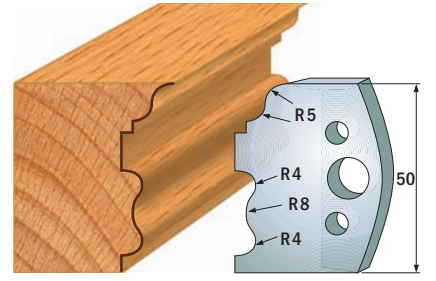
Pair of knives **690.512**  
Pair of limiters **691.512**



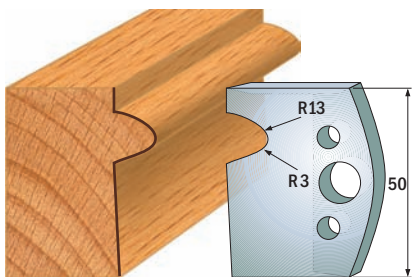
Pair of knives **690.513**  
Pair of limiters **691.513**



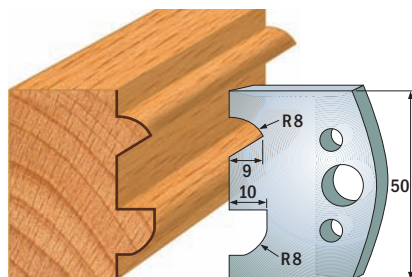
Pair of knives **690.514**  
Pair of limiters **691.514**



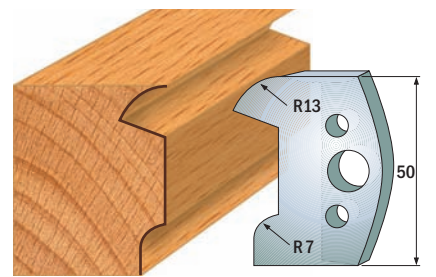
Pair of knives **690.515**  
Pair of limiters **691.515**



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



Pair of knives **690.517**  
Pair of limiters **691.517**



Pair of knives **690.518**  
Pair of limiters **691.518**

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

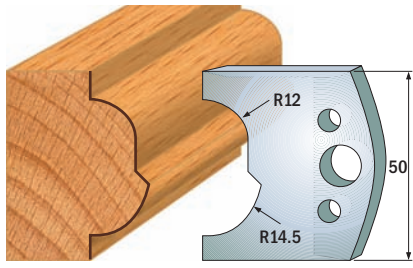
# Profile knives and limiters

Cutting length=50mm Thickness=4mm

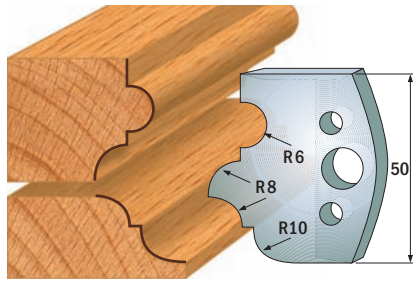


SP

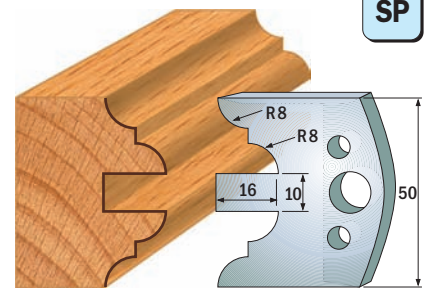
Saw blades  
Tools with bore & Knives  
Router Bits & Sets  
CNC Router Cutter & Chucks  
Industrial Dowel Drills  
Bits for Hand Power Tools  
Spare Parts  
Power Tools & Accessories  
Display Cabinets



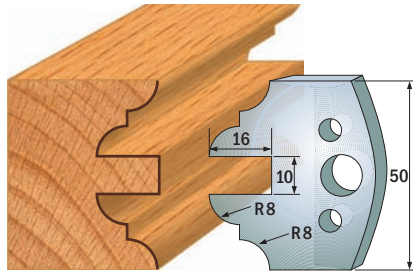
Pair of knives **690.519**  
Pair of limiters **691.519**



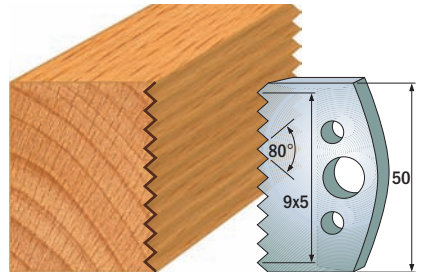
Pair of knives **690.520**  
Pair of limiters **691.520**



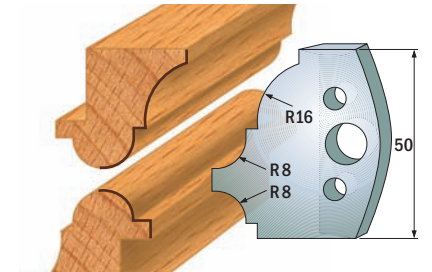
Pair of knives **690.522**  
Pair of limiters **691.522**



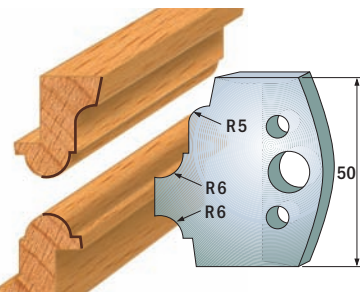
Pair of knives **690.523**  
Pair of limiters **691.523**



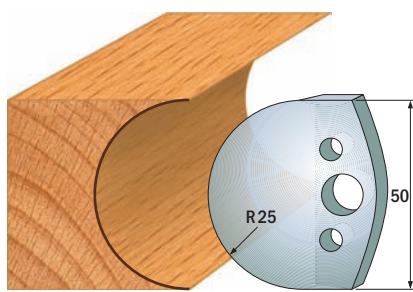
Pair of knives **690.524**  
Pair of limiters **691.524**



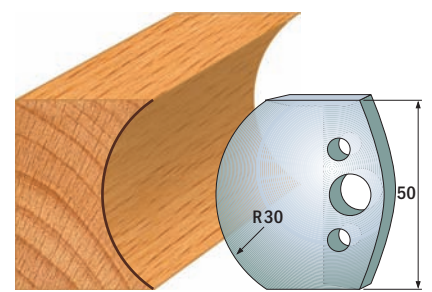
Pair of knives **690.541**  
Pair of limiters **691.541**



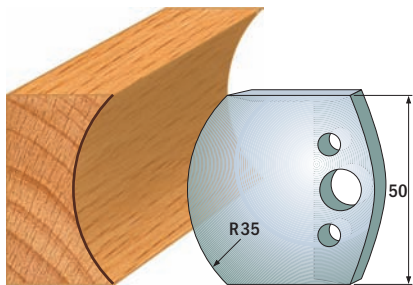
Pair of knives **690.542**  
Pair of limiters **691.542**



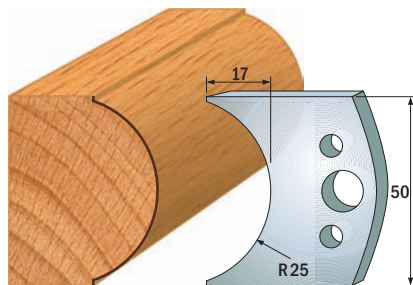
Pair of knives **690.543**  
Pair of limiters **691.543**



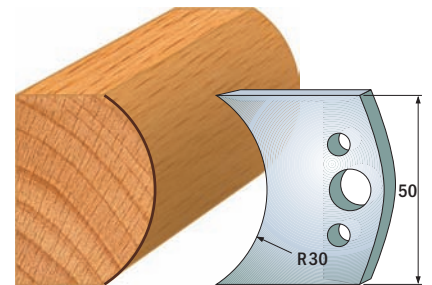
Pair of knives **690.544**  
Pair of limiters **691.544**



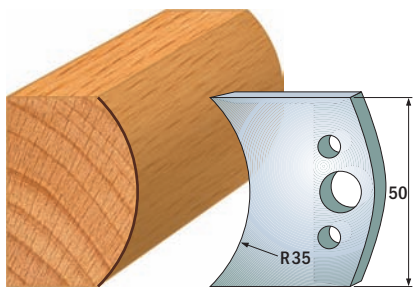
Pair of knives **690.545**  
Pair of limiters **691.545**



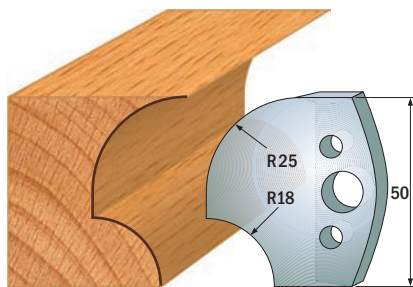
Pair of knives **690.546**  
Pair of limiters **691.546**



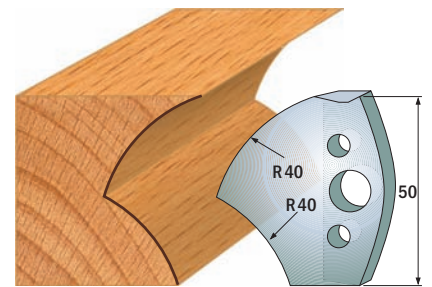
Pair of knives **690.547**  
Pair of limiters **691.547**



Pair of knives **690.548**  
Pair of limiters **691.548**



Pair of knives **690.549**  
Pair of limiters **691.549**



Pair of knives **690.550**  
Pair of limiters **691.550**

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

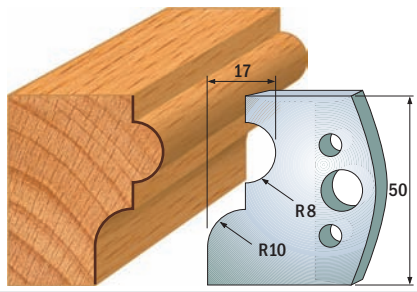
Dimensions in mm.

# Profile knives and limiters

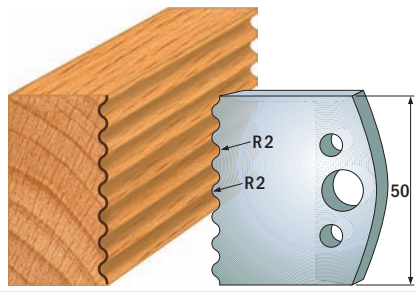
Cutting length=50mm Thickness=4mm



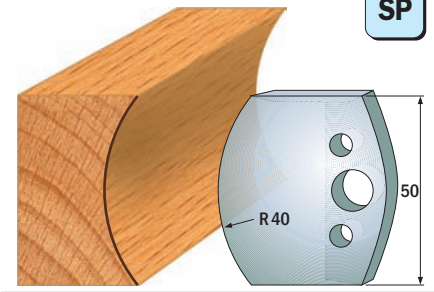
SP



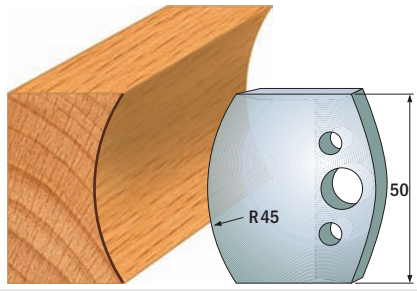
Pair of knives **690.551**  
Pair of limiters **691.551**



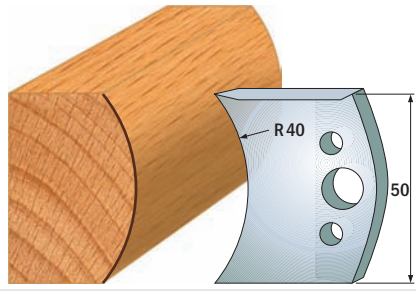
Pair of knives **690.552**  
Pair of limiters **691.552**



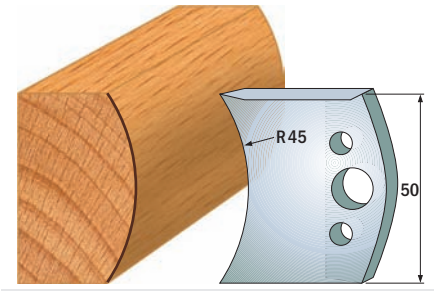
Pair of knives **690.553**  
Pair of limiters **691.553**



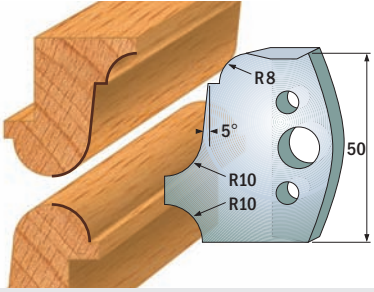
Pair of knives **690.554**  
Pair of limiters **691.554**



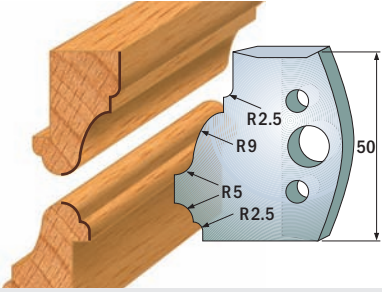
Pair of knives **690.555**  
Pair of limiters **691.555**



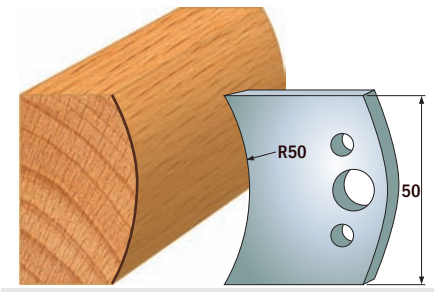
Pair of knives **690.556**  
Pair of limiters **691.556**



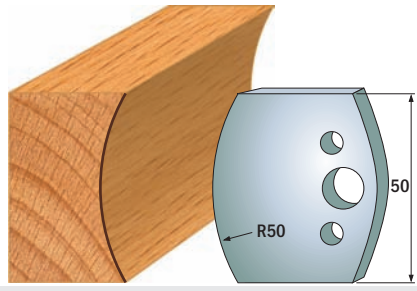
Pair of knives **690.557**  
Pair of limiters **691.557**



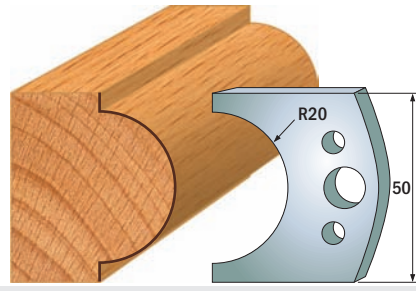
Pair of knives **690.558**  
Pair of limiters **691.558**



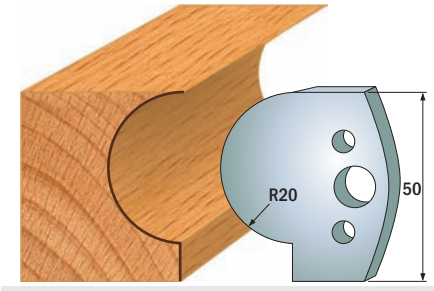
Pair of knives **690.559**  
Pair of limiters **691.559**



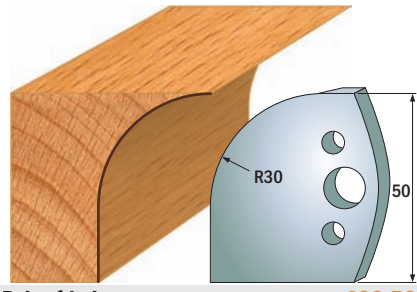
Pair of knives **690.560**  
Pair of limiters **691.560**



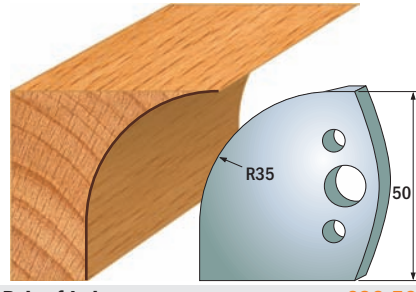
Pair of knives **690.561**  
Pair of limiters **691.561**



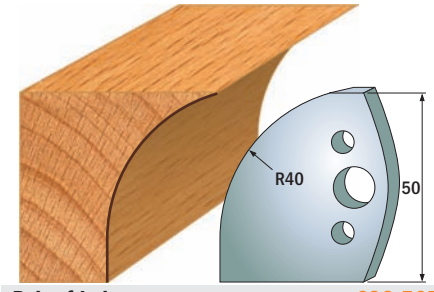
Pair of knives **690.562**  
Pair of limiters **691.562**



Pair of knives **690.563**  
Pair of limiters **691.563**



Pair of knives **690.564**  
Pair of limiters **691.564**



Pair of knives **690.565**  
Pair of limiters **691.565**

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

# Profile knives and limiters

Cutting length=50mm Thickness=4mm



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

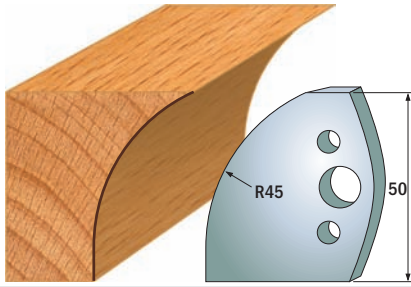
Bits for Hand Power Tools

Spare Parts

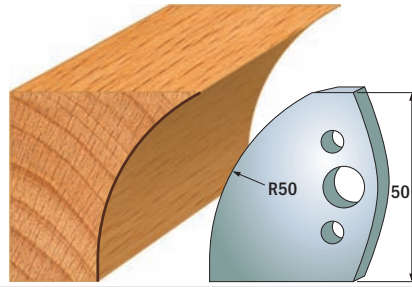
Power Tools & Accessories

Display Cabinets

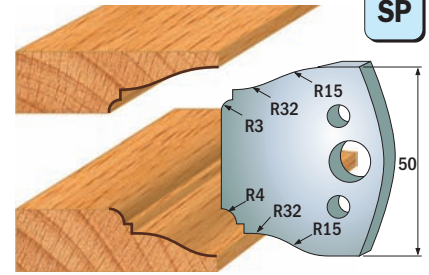
SP



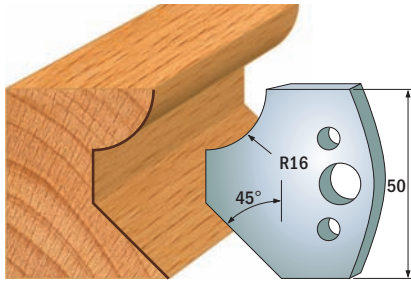
Pair of knives **690.566**  
Pair of limiters **691.566**



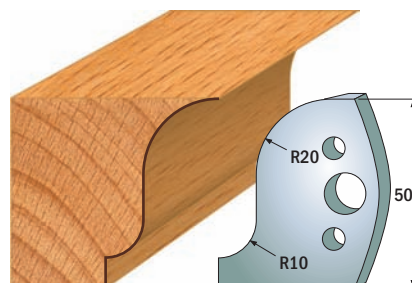
Pair of knives **690.567**  
Pair of limiters **691.567**



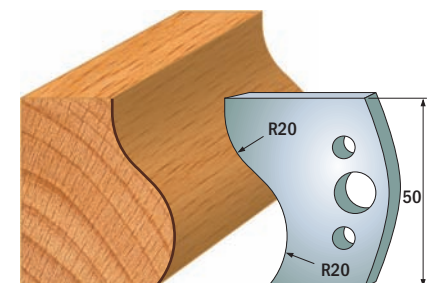
Pair of knives **690.568**  
Pair of limiters **691.568**



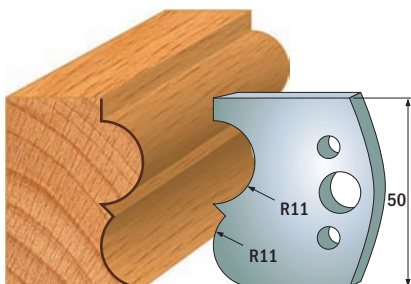
Pair of knives **690.569**  
Pair of limiters **691.569**



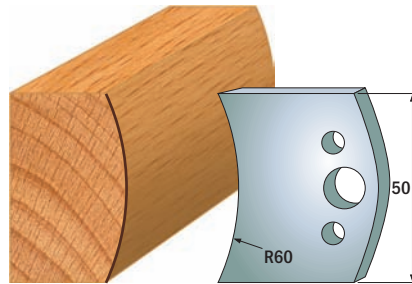
Pair of knives **690.570**  
Pair of limiters **691.570**



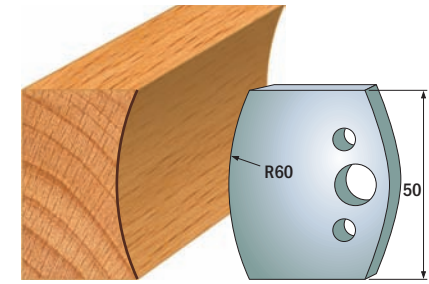
Pair of knives **690.571**  
Pair of limiters **691.571**



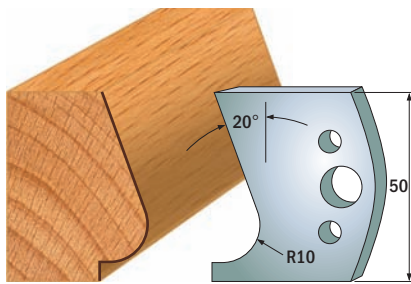
Pair of knives **690.572**  
Pair of limiters **691.572**



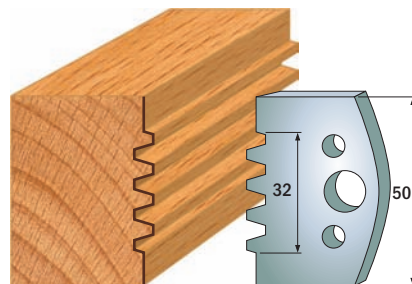
Pair of knives **690.573**  
Pair of limiters **691.573**



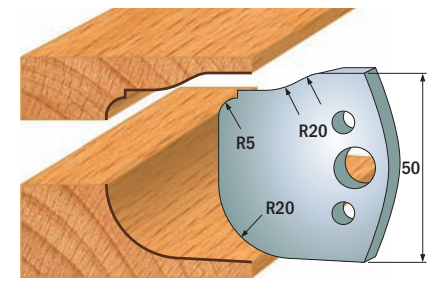
Pair of knives **690.574**  
Pair of limiters **691.574**



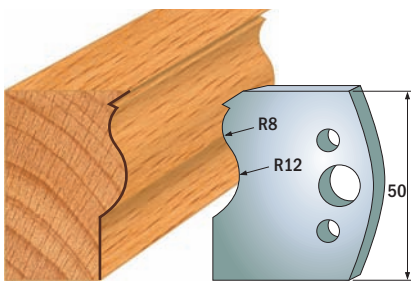
Pair of knives **690.575**  
Pair of limiters **691.575**



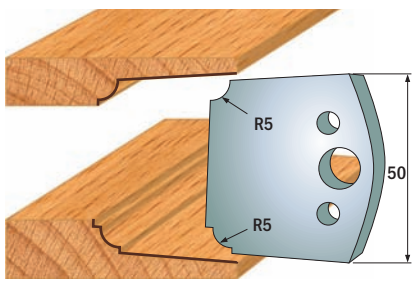
Pair of knives **690.576**  
Pair of limiters **691.576**



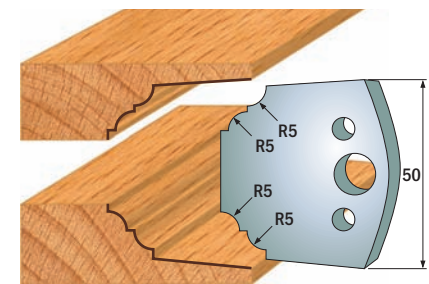
Pair of knives **690.577**  
Pair of limiters **691.577**



Pair of knives **690.578**  
Pair of limiters **691.578**



Pair of knives **690.579**  
Pair of limiters **691.579**



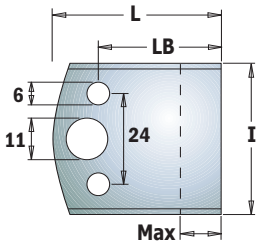
Pair of knives **690.580**  
Pair of limiters **691.580**

Note: all knives and limiters only available in pairs

Drawings are 1:2 scale

Dimensions in mm.

## Blank knives and limiters (to be sharpened)

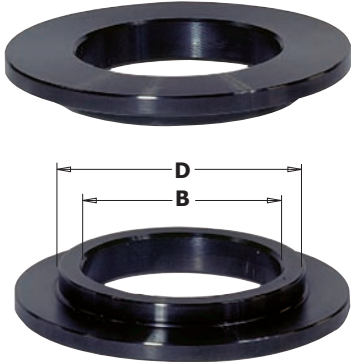


### 690-691

SP

Description	I mm	LB mm	L mm	Max profile mm	ORDER NO.
Pair of knives	40	32,5	44,5	18	<b>690.193</b>
Pair of knives	50	34	46	20	<b>690.599</b>
Pair of blank limiters	38	32,5	44,5	18	<b>691.193</b>
Pair of blank limiters	48	34	46	20	<b>691.599</b>

## Pair of bore reducers

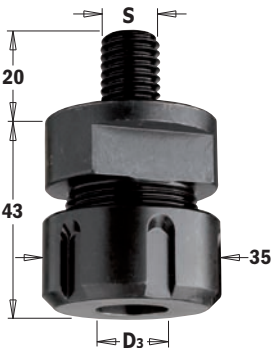


### 699

Description	D mm	B mm	ORDER NO.
Pair of bore reducers	19,05	12,7	<b>699.019.13</b>
Pair of bore reducers	25,4	19,05	<b>699.026.19</b>
Pair of bore reducers	30	19,05	<b>699.030.19</b>
Pair of bore reducers	30	25,4	<b>699.030.26</b>
Pair of bore reducers	31,75	19,05	<b>699.031.19</b>
Pair of bore reducers	31,75	25,4	<b>699.031.26</b>
Pair of bore reducers	31,75	30	<b>699.031.30</b>
Pair of bore reducers	35	30	<b>699.035.30</b>
Pair of bore reducers	35	32	<b>699.035.32</b>
Pair of bore reducers	35	31,75	<b>699.035.31</b>
Pair of bore reducers	40	30	<b>699.040.30</b>
Pair of bore reducers	40	32	<b>699.040.32</b>
Pair of bore reducers	40	35	<b>699.040.35</b>
Pair of bore reducers	50	30	<b>699.050.30</b>
Pair of bore reducers	50	32	<b>699.050.32</b>
Pair of bore reducers	50	35	<b>699.050.35</b>
Pair of bore reducers	50	40	<b>699.050.40</b>

For use in pair only

## Chucks and "ER20" collets for spindle moulder machine



### 796

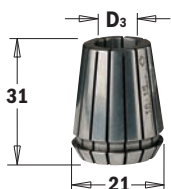
S mm	D <sub>3</sub> For collet diameter mm	L mm	ORDER NO.
M12x1,75	3 ~ 12,7	43	<b>796.122.00</b>
M14x2	3 ~ 12,7	43	<b>796.142.00</b>
M16x2	3 ~ 12,7	43	<b>796.162.00</b>

**Spare parts:** 992.483.03 M25x1,5mm clamping nut  
991.483.00 "ER20" key

**TECHNICAL DETAILS:**  
Super strength steel. Precisely machined for accuracy.

**Collet not included**

## "ER20" precision collets for 796.122/142/162 items



### 184

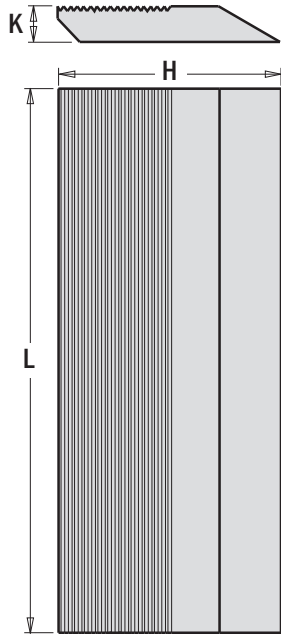
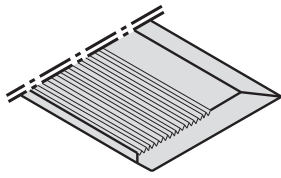
D <sub>3</sub> mm	ORDER NO.	D <sub>3</sub> mm	ORDER NO.
3	<b>184.030.20</b>	10	<b>184.100.20</b>
6	<b>184.060.20</b>	12	<b>184.120.20</b>
6,35	<b>184.064.20</b>	12,7	<b>184.127.20</b>
8	<b>184.080.20</b>		



# HS corrugated back moulder knives

**793**

HS



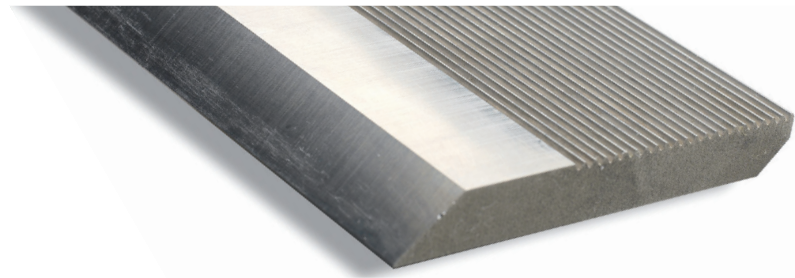
IN QUADROPACK PACKAGING

Sizes mm L H K	Knives pieces for each set	ORDER NO. HS 6%W
40 x 50 x 8	4	793.040.50
40 x 60 x 8	4	793.040.60
40 x 70 x 8	4	793.040.70
60 x 50 x 8	4	793.060.50
60 x 60 x 8	4	793.060.60
60 x 70 x 8	4	793.060.70
80 x 50 x 8	4	793.080.50
80 x 60 x 8	4	793.080.60
80 x 70 x 8	4	793.080.70
100 x 50 x 8	4	793.100.50
100 x 60 x 8	4	793.100.60
100 x 70 x 8	4	793.100.70
120 x 50 x 8	4	793.120.50
120 x 60 x 8	4	793.120.60
120 x 70 x 8	4	793.120.70
130 x 60 x 8	4	793.130.60
130 x 70 x 8	4	793.130.70
650 x 40 x 8	4	793.650.40
650 x 50 x 8	4	793.650.50
650 x 60 x 8	4	793.650.60
650 x 70 x 8	4	793.650.70

**REMARK:** special dimensions available on request.

**TECHNICAL DETAILS:**

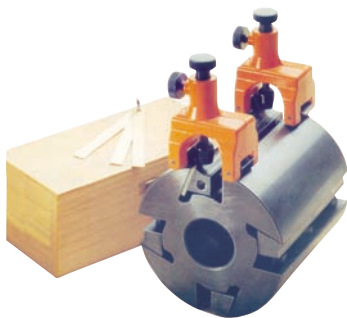
Corrugated back moulder knives for profile cutter heads with precise positioning, angle 60°, pitch 1,6mm.



MATERIAL	HS 6% W
Dry softwood	●
Wet softwood	●
Dry hardwood	●
Wet hardwood	○

- Suitable
- Party suitable

## Magnetic knife setting jigs



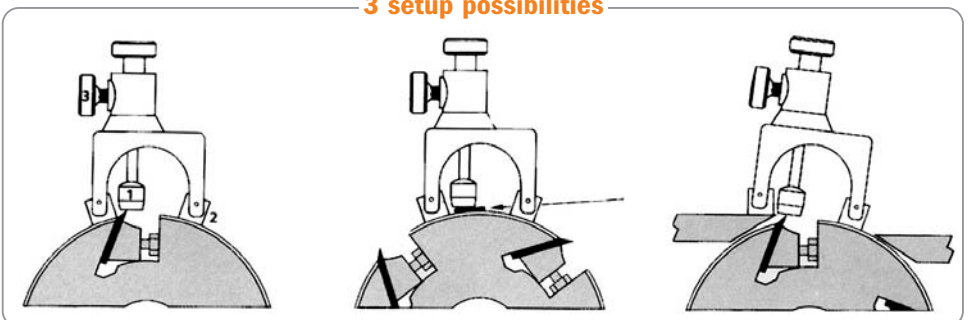
### CMT792

The best knives won't perform well unless they are properly installed and aligned. The built-in magnets grip both planer head and knives, while you use the integral adjustments to get your knives in perfect position.

1. MAGNETIZED CERAMIC STOP
2. JOINTS WITH MAGNETIZED CONNECTORS
3. PRECISION DEPTH STOP

Set supplied in a wooden box with 2 setters and gauge thickness 0,8 - 1 - 1,2mm.

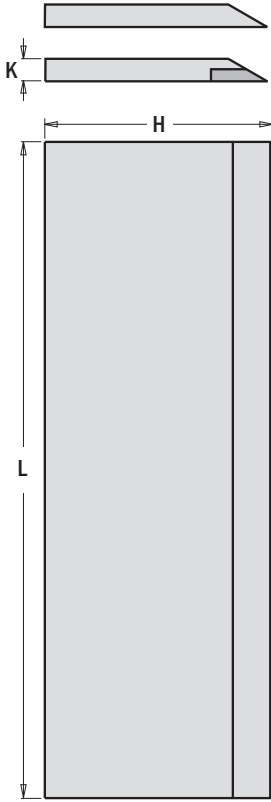
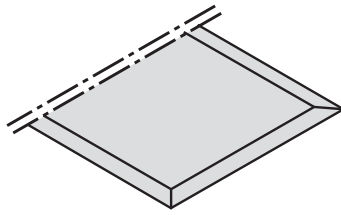
**3 setup possibilities**



Positioning onto the toolholder body with marking onto the original knife.

Positioning onto the toolholder body setting with one of the supplied gauges.

Positioning directly onto the machine table and the toolholder body.



IN QUADROPACK PACKAGING

## 792

HS HW

Sizes mm L H K	Knives pieces for each set	ORDER NO.	ORDER NO.	ORDER NO.
		HS 6%W	HS 18%W	HW
120 x 30 x 3	2		792.120.30	
130 x 30 x 3	2	792.131.30	792.130.30	792.132.30
150 x 30 x 3	2		792.150.30	
180 x 30 x 3	2	792.181.30	792.180.30	792.182.30
200 x 30 x 3	2	792.201.30	792.200.30	
210 x 30 x 3	2	792.211.30	792.210.30	
230 x 30 x 3	2	792.231.30	792.230.30	792.232.30
250 x 30 x 3	2	792.251.30	792.250.30	792.252.30
260 x 30 x 3	2	792.261.30	792.260.30	792.262.30
300 x 30 x 3	2	792.301.30	792.300.30	792.302.30
310 x 30 x 3	2	792.311.30	792.310.30	792.312.30
350 x 30 x 3	2	792.351.30	792.350.30	792.352.30
400 x 30 x 3	2	792.401.30	792.400.30	792.402.30
410 x 30 x 3	2	792.411.30	792.410.30	792.412.30
430 x 30 x 3	2	792.431.30	792.430.30	792.432.30
450 x 30 x 3	2	792.451.30	792.450.30	792.452.30
500 x 30 x 3	2	792.501.30	792.500.30	792.502.30
510 x 30 x 3	2	792.511.30	792.510.30	792.512.30
520 x 30 x 3	2	792.521.30	792.520.30	792.522.30
530 x 30 x 3	2	792.531.30	792.530.30	792.532.30
600 x 30 x 3	2	792.601.30	792.600.30	792.602.30
610 x 30 x 3	2	792.611.30	792.610.30	792.612.30
630 x 30 x 3	2	792.631.30	792.630.30	792.632.30
640 x 30 x 3	2		792.640.30	
710 x 30 x 3	2		792.710.30	
810 x 30 x 3	2	792.811.30	792.810.30	792.812.30
1050 x 30 x 3	2	792.998.30	792.997.30	792.999.30
300 x 35 x 3	2		792.300.35	
310 x 35 x 3	2	792.311.35		
350 x 35 x 3	2	792.351.35	792.350.35	
400 x 35 x 3	2	792.401.35	792.400.35	
410 x 35 x 3	2	792.411.35	792.410.35	
430 x 35 x 3	2		792.430.35	
450 x 35 x 3	2	792.451.35	792.450.35	
500 x 35 x 3	2	792.501.35	792.500.35	
510 x 35 x 3	2	792.511.35	792.510.35	
520 x 35 x 3	2	792.521.35	792.520.35	
530 x 35 x 3	2	792.531.35	792.530.35	
550 x 35 x 3	2	792.551.35		
600 x 35 x 3	2	792.601.35	792.600.35	
610 x 35 x 3	2	792.611.35	792.610.35	
630 x 35 x 3	2	792.631.35	792.630.35	
650 x 35 x 3	2	792.651.35		
710 x 35 x 3	2		792.710.35	
810 x 35 x 3	2	792.811.35	792.810.35	
820 x 35 x 3	2	792.821.35		
1050 x 35 x 3	2	792.998.35	792.997.35	

MATERIAL	HS 6%W	HS 18%W	HW
Dry softwood	●	●	
Wet softwood	●	○	
Dry hardwood	○	●	●
Wet hardwood	○	●	○
Chipboard			○
MDF			○
Glulam		○	●
Solid surface			○

- Suitable
- Party suitable

**Remark:** special dimensions available on request. The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Planer and jointer knives



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

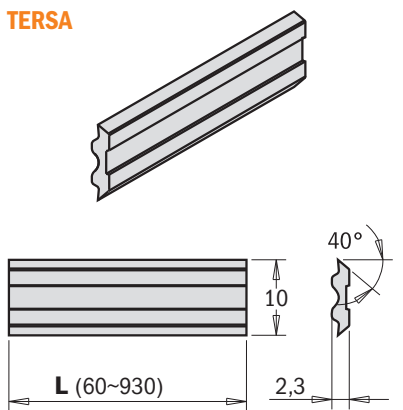
Bits for Hand Power Tools

Spare Parts

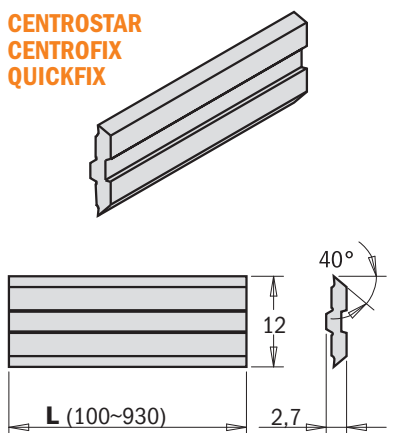
Power Tools & Accessories

Display Cabinets

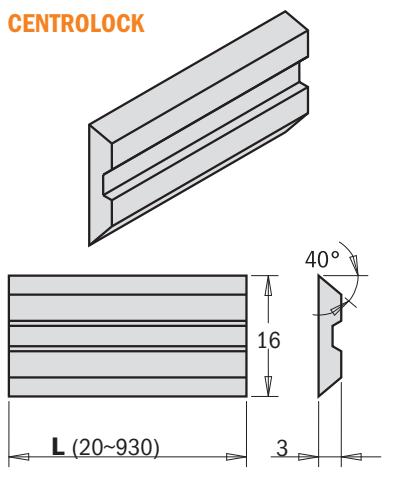
**TERSA**



**CENTROSTAR  
CENTROFIX  
QUICKFIX**



**CENTROLOCK**



2 KNIVES FOR EACH SET

MATERIAL	GOOD	EXCELLENT
Dry Softwood		●
Wet Softwood		●
Dry Hardwood		●
Wet Hardwood		●
Exotic Hardwood	●	

**795**

TERSA			CENTROSTAR, CENTROFIX, QUICKFIX			CENTROLOCK		
Size mm	ORDER NO.		Size mm	ORDER NO.		Size mm	ORDER NO.	
L H K			L H K			L H K		
60 x 10 x 2,3	795.060.10					20 x 16 x 3	795.020.16	
80 x 10 x 2,3	795.080.10					60 x 16 x 3	795.060.16	
100 x 10 x 2,3	795.100.10		100 x 12 x 2,7	795.100.12		80 x 16 x 3	795.080.16	
110 x 10 x 2,3	795.110.10		110 x 12 x 2,7	795.110.12		100 x 16 x 3	795.100.16	
120 x 10 x 2,3	795.120.10		120 x 12 x 2,7	795.120.12				
130 x 10 x 2,3	795.130.10		130 x 12 x 2,7	795.130.12		130 x 16 x 3	795.130.16	
			140 x 12 x 2,7	795.140.12				
150 x 10 x 2,3	795.150.10		150 x 12 x 2,7	795.150.12		150 x 16 x 3	795.150.16	
			160 x 12 x 2,7	795.160.12				
170 x 10 x 2,3	795.170.10		170 x 12 x 2,7	795.170.12		170 x 16 x 3	795.170.16	
180 x 10 x 2,3	795.180.10		180 x 12 x 2,7	795.180.12		180 x 16 x 3	795.180.16	
			190 x 12 x 2,7	795.190.12		190 x 16 x 3	795.190.16	
			200 x 12 x 2,7	795.200.12				
210 x 10 x 2,3	795.210.10		210 x 12 x 2,7	795.210.12		210 x 16 x 3	795.210.16	
			220 x 12 x 2,7	795.220.12				
230 x 10 x 2,3	795.230.10		230 x 12 x 2,7	795.230.12		230 x 16 x 3	795.230.16	
						235 x 16 x 3	795.235.16	
			240 x 12 x 2,7	795.240.12		240 x 16 x 3	795.240.16	
250 x 10 x 2,3	795.250.10		250 x 12 x 2,7	795.250.12				
260 x 10 x 2,3	795.260.10		260 x 12 x 2,7	795.260.12		260 x 16 x 3	795.260.16	
			270 x 12 x 2,7	795.270.12		270 x 16 x 3	795.270.16	
280 x 10 x 2,3	795.280.10		280 x 12 x 2,7	795.280.12				
300 x 10 x 2,3	795.300.10		300 x 12 x 2,7	795.300.12				
310 x 10 x 2,3	795.310.10		310 x 12 x 2,7	795.310.12		310 x 16 x 3	795.310.16	
330 x 10 x 2,3	795.330.10							
350 x 10 x 2,3	795.350.10		350 x 12 x 2,7	795.350.12				
360 x 10 x 2,3	795.360.10		360 x 12 x 2,7	795.360.12				
400 x 10 x 2,3	795.400.10		400 x 12 x 2,7	795.400.12				
410 x 10 x 2,3	795.410.10		410 x 12 x 2,7	795.410.12				
420 x 10 x 2,3	795.420.10		420 x 12 x 2,7	795.420.12				
430 x 10 x 2,3	795.430.10		430 x 12 x 2,7	795.430.12				
450 x 10 x 2,3	795.450.10		450 x 12 x 2,7	795.450.12				
						460 x 16 x 3	795.460.16	
			480 x 12 x 2,7	795.480.12				
500 x 10 x 2,3	795.500.10							
510 x 10 x 2,3	795.510.10		510 x 12 x 2,7	795.510.12				
520 x 10 x 2,3	795.520.10		520 x 12 x 2,7	795.520.12				
530 x 10 x 2,3	795.530.10		530 x 12 x 2,7	795.530.12				
540 x 10 x 2,3	795.540.10							
610 x 10 x 2,3	795.610.10		610 x 12 x 2,7	795.610.12				
			620 x 12 x 2,7	795.620.12				
630 x 10 x 2,3	795.630.10		630 x 12 x 2,7	795.630.12				
635 x 10 x 2,3	795.635.10							
640 x 10 x 2,3	795.640.10		640 x 12 x 2,7	795.640.12				
650 x 10 x 2,3	795.650.10		650 x 12 x 2,7	795.650.12		650 x 16 x 3	795.650.16	
710 x 10 x 2,3	795.710.10		710 x 12 x 2,7	795.710.12				
			810 x 12 x 2,7	795.810.12				
860 x 10 x 2,3	795.860.10							
910 x 10 x 2,3	795.910.10							
930 x 10 x 2,3	795.930.10		930 x 12 x 2,7	795.930.12		930 x 16 x 3	795.930.16	

Remark: special dimensions available on request.

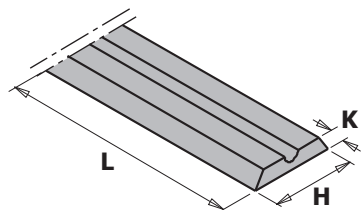
**TECHNICAL DETAILS:**

HPS® is especially developed for the woodworking industry. Through the cooperation with the Thyssen-Krupp heat treatment division developed special heat treatment in modern high vacuum oven gets this steel its special attributes which makes it to a real alternative to the HSS steels. The main advantages are:

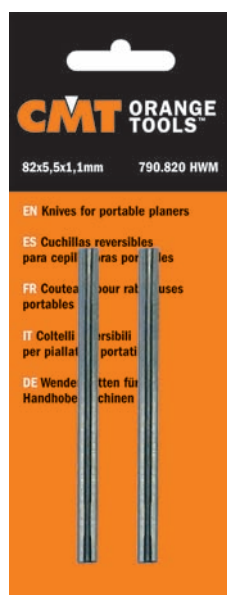
- superb wear resistance
- maximum level of toughness
- resistance to softening
- easy to profile
- long lasting tested

A test result: Wood=Oak, Spinadle speed=6000 rpm, feed=24 meter/min  
 = Result HPS® 17500 meters.  
 = Result HSS 10000 meters.

# HWM reversible knives for portable planers



10-PCS. CASE



2-PCS. BLISTER CASE

## 790

Size mm			Machine	Model machine	ORDER NO. 2 pcs. blister case	ORDER NO. 10 pcs. blister case
L	H	K				
56,0	5,5	1,1	Adler			790.560.00
60,0	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		
			Festo	REP75		
			Haffner	FH222		
			Holz-Her	2223, 2286, 2320		
			Kress	Jet-Star 6701, 6702		
			Mafell	HU75		
			Metabo	6375		
			Scheer	MH75/3, MH80		
			Skil	98H		
78,0	5,5	1,1	Virutex		790.780	790.780.00
80,5	5,9	1,2	Elu	MFF40, MFF80, MFF81, MFF81EK, PF161		790.805.00
80,5	5,5	1,1	Elu	MFF80	790.805	790.805.01
			Aeg			
			Bosch			
			Haffner			
82,0	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, H00882		
			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		
			Perless	HHB82B		
			Peugeot	RA400, 82RAC, RA82CS, BR82 BRA1-82, BRA3-82, RA1082CA		
			Ryobi	L1323-A		
			Skil	H92, H94, H95, H96, H97 1506, 1510		
			Stayer	980B		
82,7	5,5	1,1	Black & Decker	DN710, DN712, DN730, DN71-02, DN71-03, BD711		790.827.00
92,0	5,5	1,2	Aeg	450		790.920.00
			Hitachi	F30A, FU30		
			Ryobi	L120N, L150N, L1205N, L1323		
102,0	5,5	1,1	Aeg	HB750, EH102, HBE800		790.992.00

### TECHNICAL DETAILS:

- Order no. ISO: ..... K40
- Hardness (HV10): ..... 1.400
- Transverse rupture strength (N/mm<sup>2</sup>): .. 2.600

### APPLICATION:

- Soft wood ..... Good
- Hard wood ..... Suitable
- Plywood ..... Suitable

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

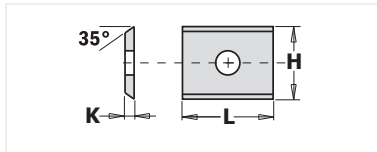
Power Tools & Accessories

Display Cabinets



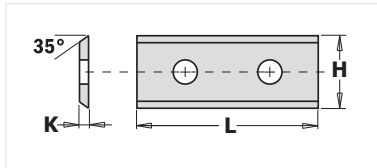
## 790 Standard reversible knives 2 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
7,5	12	1,5	35°	790.075.00			
7,65	12	1,5	35°	790.076.00			
9,6	12	1,5	35°	790.096.00			
15	12	1,5	35°	790.150.00			
20	12	1,5	35°	790.200.00	790.200.02	790.200.03	



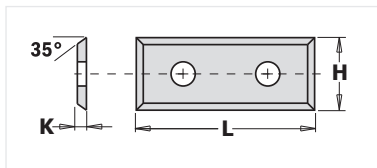
## 790 Standard reversible knives 2 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
24,7	12	1,5	35°	790.250.00			
30	12	1,5	35°	790.300.00	790.300.02	790.300.03	790.300.04
30	12	1,5	45°	790.300.20			
40	12	1,5	35°	790.400.00	790.400.02	790.400.03	
50	12	1,5	35°	790.500.00	790.500.02	790.500.03	790.500.04
60	12	1,5	35°	790.600.00		790.600.03	



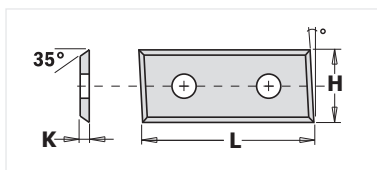
## 790 Standard reversible knives 4 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
29,5	9	1,5	35°	790.295.09			
29,5	12	1,5	35°	790.295.12			
49,5	9	1,5	35°	790.495.09			
49,5	12	1,5	35°	790.495.12			



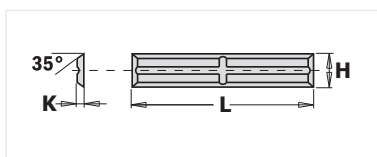
## 790 Standard reversible knives 4 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
28,3	12	1,5	35°	790.283.12			
48,3	12	1,5	35°	790.483.12			



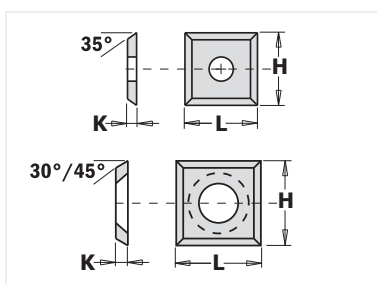
## 790 Standard reversible knives 4 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
20	4,1	1,1	35°	790.200.01			
30	5,5	1,1	35°	790.300.01			
50	5,5	1,1	35°	790.500.01			



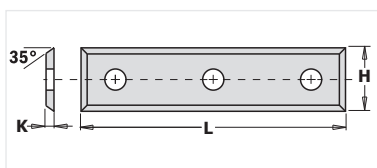
## 790 Standard reversible knives 4 cutting edges

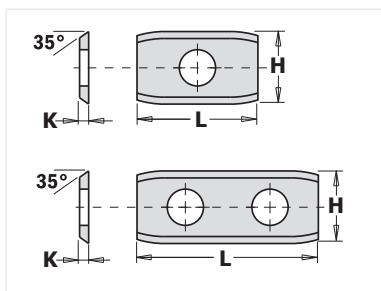
Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
12	12	1,5	35°	790.120.00	790.120.02	790.120.03	
14	14	1,2	30°	790.140.10			
14	14	2	30°	790.140.00		790.140.03	
14	14	2	45°		790.140.02		



## 790 Standard reversible knives 4 cutting edges

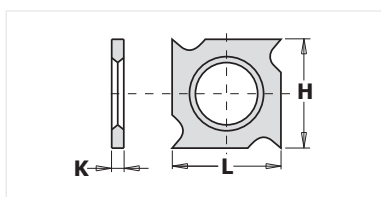
Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
50	9	1,5	35°	790.500.09			





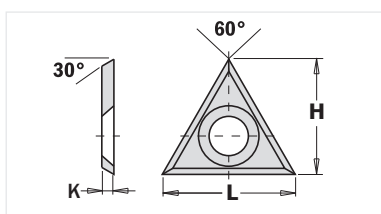
## 790 Standard reversible knives 2 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
20	12	1,5	35°	790.201.00			
30	12	1,5	35°	790.301.00			
50	12	1,5	35°	790.501.00			



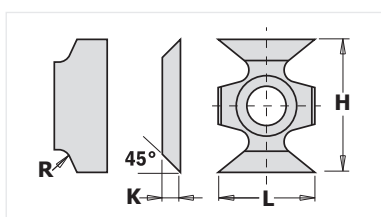
## 790 Standard reversible knives 4 cutting edges

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
18	18	1,95	35°	790.181.00			
18	18	2,45	35°	790.182.00			



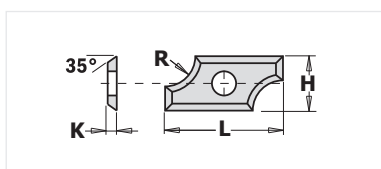
## 790 Standard reversible knives 30°

Sizes_mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
22	19	2	30°	790.220.02			



## 790 Edge rounding/chamfering reversible knives

Sizes_mm			R mm	Angle	ORDER NO.			
L	H	K			HC05	MG06	SMG02	UMG04
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			



## 790 Profiled rounding reversible knives 4 cutting edges

Sizes_mm			R mm	Angle	ORDER NO.			
L	H	K			HC05	MG06	SMG02	UMG04
19,5	9	1,5	2	35°	790.020.00			
19,5	9	1,5	3	35°	790.030.00			
19,5	9	1,5	5	35°	790.050.00			
24	12	1,5	6,4	35°	790.064.00			
24	12	1,5	8	35°	790.080.00			

MATERIAL	HC05	MG06	SMG02	UMG04
Dry softwood	●			
Wet softwood	●			
Dry hardwood	●	●		
Wet hardwood	●	●		
Chipboard		●	●	●
MDF		●	●	●
HDF			●	●
Solid surface				●

● Suitable

### TECHNICAL DETAILS:

**HC05** Hardness (HV10): 1.760 - Transverse rupture strength (N/mm<sup>2</sup>): 2.100

**MG06** Hardness (HV10): 1.680 - Transverse rupture strength (N/mm<sup>2</sup>): 3.700

**SMG02** Hardness (HV10): 2.300 - Transverse rupture strength (N/mm<sup>2</sup>): 3.500

**UMG04** Hardness (HV10): 2.550 - Transverse rupture strength (N/mm<sup>2</sup>): 3.200

All knives are supplied in 10 pcs. cases.







# Router bits & Sets

<b>Products</b>	<b>Page</b>
Straight & spiral bits	86~97
Trimmer & profiler bits	98~107
Rebater bits	108~110
Slotting & grooving bits	111~116
Jointing bits	116~123
Dovetail bits	124~126
"V" Groove & chamfer bits	127~131
Drawer pull & radius bits	132~135
Ovolo & rounding over bits	135~137
Bead & ogee bits	138~145
Molding bits	146~151
Panel bits	151~157
Solid surface bits	158~162
Router bit sets	163~174



# Solid carbide spiral bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

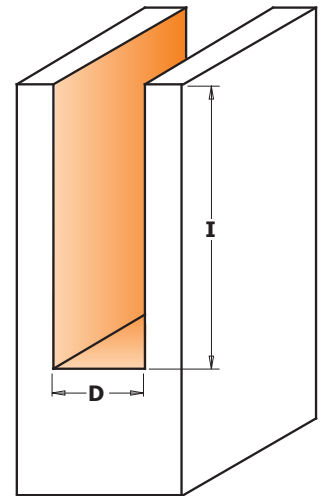
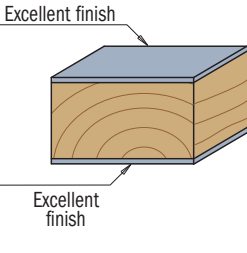
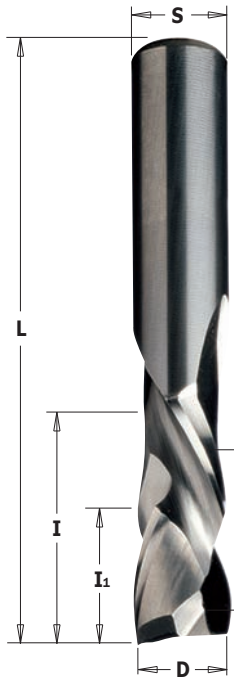
Display Cabinets

## 190-191-192

Due to their spiral cutting edge which stays in continuous contact with the workpiece, these bits give a smooth, chatter-free cutting action, unlike conventional bits which have intermittent contact with the workpiece. Unsurpassed for cleaner cuts in ordinary or difficult materials, softwood, hardwood, plywood, composites etc. This new range of spiral bits with 6, 8, 12mm and 6,35 and 12,7mm shanks allow them to be used with C.N.C. router and hand-routers.

Test check yourself the extraordinary quality-price ratio of these bits!

HWM Z2 Z2+2 Z3+3 RH

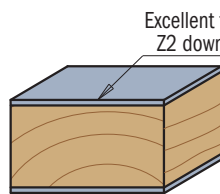


Drawing are 1:1 scale

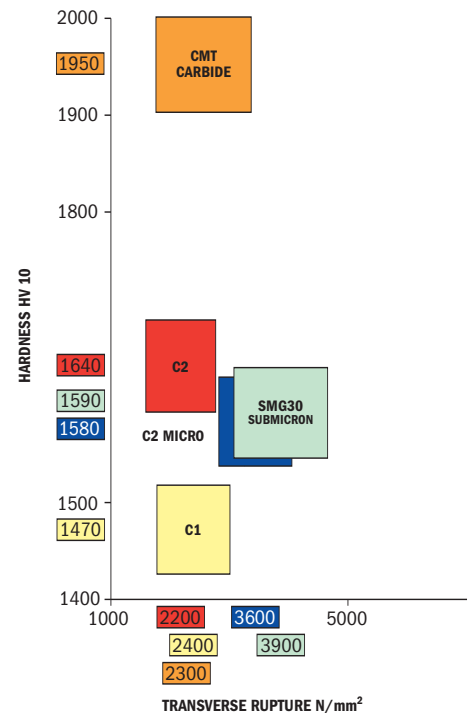
Upcut & Downcut 190



Upcut 191



Downcut 192



### ... Z2+2 upcut & downcut spiral

## 190

D mm	I mm	I <sub>1</sub> mm	L mm	Z	ORDER NO. S=Ø8mm	ORDER NO. S=Ø9,5mm	ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
8	32	7	80	2+2	<b>190.080.11</b>				
9,52	28,6	7	76,2	2+2		<b>190.504.11</b>			
10	32	7	80	2+2			<b>190.100.11</b>		
12	42	7	90	2+2				<b>190.120.11</b>	
12,7	25,4	16	76,2	2+2					<b>190.505.11</b>
12,7	28,6	16	76,2	2+2					<b>190.506.11</b>
12,7	34,9	16	88,9	2+2					<b>190.507.11</b>
12,7	41,3	16	101,6	2+2					<b>190.508.11</b>
<b>up &amp; downcut mortising bits</b>									
9,52	22,2	4,8	76,2	2+2		<b>190.513.11</b>			
9,52	25,4	5,2	76,2	3+3		<b>190.813.11</b>			
12	25,4	5,2	76,2	3+3				<b>190.320.11</b>	
12,7	22,2	5,2	76,2	2+2					<b>190.515.11</b>
12,7	34,9	5,2	88,9	2+2					<b>190.517.11</b>

## ... Z2 upcut spiral

191

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	<b>191.630.11</b>		<b>191.830.11</b>		
3,18	12,7	50,8		<b>191.001.11</b>			
3,5	12	60	<b>191.635.11</b>				
3,97	12,7	50,8		<b>191.003.11</b>			
4	15	60	<b>191.640.11</b>		<b>191.840.11</b>		
4,76	19,05	50,8		<b>191.005.11</b>			
5	17	60	<b>191.650.11</b>		<b>191.850.11</b>		
6	27	70	<b>191.060.11</b>		<b>191.860.11</b>		
6,35	19,05	50,8		<b>191.007.11</b>			
6,35	25,4	63,5		<b>191.008.11</b>			
7	32	80			<b>191.870.11</b>		
7,94	25,4	76,2					<b>191.501.11</b>
8	22	70			<b>191.080.11</b>		
8	32	80			<b>191.081.11</b>		
8	42	90			<b>191.082.11</b>		
9	32	80				<b>191.890.11</b>	
9,53	31,75	76,2					<b>191.503.11</b>
10	32	80			<b>191.800.11</b>	<b>191.900.11</b>	
10	42	90				<b>191.901.11</b>	
12	35	80			<b>191.820.11</b>	<b>191.120.11</b>	
12	42	90				<b>191.121.11</b>	
12	52	100				<b>191.122.11</b>	
12,7	31,75	76,2					<b>191.505.11</b>
12,7	38,1	88,9					<b>191.506.11</b>
12,7	50,8	101,6					<b>191.507.11</b>

## ... Z2 downcut spiral

192

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	<b>192.630.11</b>		<b>192.830.11</b>		
3,18	12,7	50,8		<b>192.001.11</b>			
3,97	12,7	50,8		<b>192.003.11</b>			
4	15	60	<b>192.640.11</b>		<b>192.840.11</b>		
4,76	19,05	50,8		<b>192.005.11</b>			
5	17	60	<b>192.650.11</b>		<b>192.850.11</b>		
6	27	70	<b>192.060.11</b>		<b>192.860.11</b>		
6,35	19,05	50,8		<b>192.007.11</b>			
6,35	25,4	63,5		<b>192.008.11</b>			
7,94	25,4	76,2					<b>192.501.11</b>
8	22	70			<b>192.080.11</b>		
8	32	80			<b>192.081.11</b>		
8	42	90			<b>192.082.11</b>		
9,53	31,75	76,2					<b>192.503.11</b>
10	32	80			<b>192.800.11</b>	<b>192.900.11</b>	
12	35	80			<b>192.820.11</b>	<b>192.120.11</b>	
12,7	31,75	76,2					<b>192.505.11</b>
12,7	38,1	88,9					<b>192.506.11</b>
12,7	50,8	101,6					<b>192.507.11</b>

Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets

# Straight bits



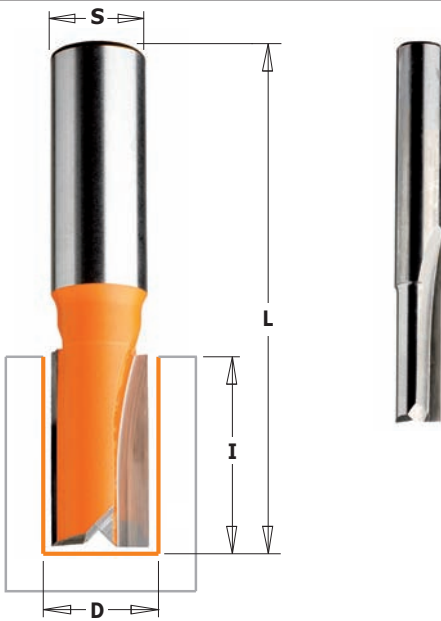
## 7/8/911

If you are looking to get the most out of your time and money through more efficient production, but want nothing less than a beautiful clean edge on your finished piece, then you definitely must include CMT straight bits in your collection. These razor-sharp, double-faced cutters perfectly synthesize the characteristics and advantages that define quality CMT products. Made of special Fatigue Proof steel and micrograin carbide, our straight bits can withstand even the heaviest work load and still give you a smooth, precise cut every time. You also get exceptional chip ejection to allow cleaner and more constant cutting.

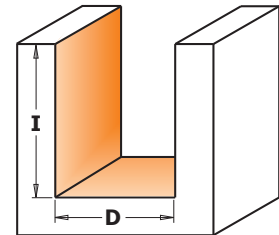
The surface of all CMT bits is protected with our trademark orange non-stick PTFE to help keep the bit from collecting resin, pitch and other residue.

Every bit is submitted to strict quality tests to guarantee perfect cutting tolerance, balance and concentricity. CMT bits allow production on an industrial scale using a variety of plywood, composites and natural woods.

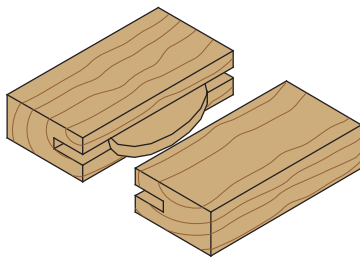
CMT produces 91 types of straight bits in a wide range of diameters so you can find exactly what you want.



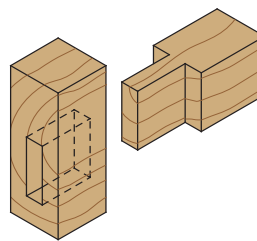
The cutting edge top sharpening on 9mm diameter bits and larger allows for short plunging operations.



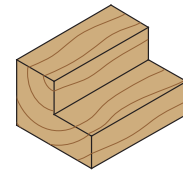
Drawing are 1:1 scale



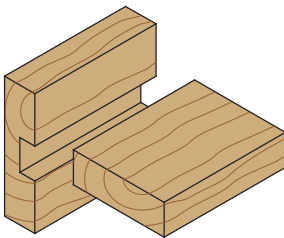
Biscuit joint using bit #7/8/911.040.11



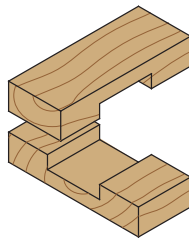
Mortise and tenon



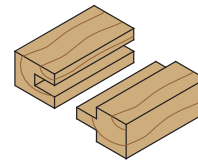
Rabbet



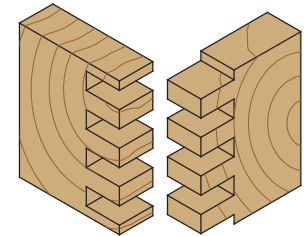
Right-angle joint



Union



Tongue and groove joint



Box joint

# Plywood groove set

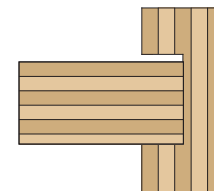
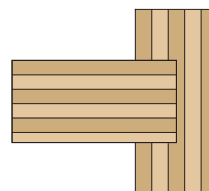
## 811



Our plywood groove bits are designed specifically for routing grooves and dadoes for joints in plywood. That means they match the true thickness of plywood, producing tight, accurate joints. Use our 18,2mm bit for 19mm plywood, 12,3mm bit for 12,7mm plywood and our 6mm for 6,35mm ply. No gaps or sloppy joints, guaranteed. These money-saving 3-bit sets are available with 12,7mm or 6,35 shanks.

### Example shown in 12,7mm thick plywood

This joint is made with the CMT 12,3mm straight bit in 12,7mm plywood. Notice the precise fit - no gaps.



This joint is made with a regular 12,7mm straight bit in 12,7mm plywood. Notice the extra space and ill fitting joint.



DESCRIPTION	ORDER NO. Ø 6,35mm	ORDER NO. Ø 12,7mm
Plywood groove set (Ø6 - Ø12,3 - Ø18,2mm)	<b>811.001.11</b>	<b>811.501.11</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Straight bits, short series

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	38	<b>711.020.11</b>	<b>811.020.11</b>			
• 3	8	45	<b>711.030.11</b>	<b>811.030.11</b>	<b>911.030.11</b>		
• 3	8	58,3				<b>911.530.11</b>	
• 3,2	9,5	45		<b>811.032.11</b>			
• 4	10	58,3				<b>911.540.11</b>	
• 4	10	45	<b>711.040.11</b>	<b>811.040.11</b>	<b>911.040.11</b>		
• 4,75	12,7	50,8		<b>811.047.11</b>			
• 5	12	50,8	<b>711.050.11</b>	<b>811.050.11</b>	<b>911.050.11</b>		
• 5	12	58,3				<b>911.550.11</b>	
• 6	16	50,8	<b>711.060.11</b>	<b>811.060.11</b>	<b>911.060.11</b>		
• 6	19	60,3					<b>811.560.11</b>
• 6	19	65				<b>911.560.11</b>	
• 6,35	19	50,8		<b>811.064.11</b>			
• 6,35	19	57,2		<b>811.065.11</b>			
• 6,35	19	60,3					<b>811.564.11</b>
• 7	18	48	<b>711.070.11</b>	<b>811.070.11</b>	<b>911.070.11</b>		
• 7	18	65				<b>911.570.11</b>	
• 7,6	20	51			<b>911.076.11</b>		
• 8	20	48	<b>711.080.11</b>	<b>811.080.11</b>	<b>911.080.11</b>		
• 8	25,4	71,5		<b>811.081.11</b>			
• 8	25,4	70					<b>811.581.11</b>
9	20	48	<b>711.090.11</b>		<b>911.090.11</b>		
9,5	19	50,8		<b>811.095.11</b>			
9,5	25,4	63,5		<b>811.096.11</b>			
9,5	25,4	66,7					<b>811.595.11</b>
10	20	48	<b>711.100.11</b>	<b>811.100.11</b>	<b>911.100.11</b>		
10	25,4	63,5					<b>811.600.11</b>
11	20	48	<b>711.110.11</b>		<b>911.110.11</b>		
12	20	50	<b>711.120.11</b>	<b>811.120.11</b>	<b>911.120.11</b>		
12	25,4	63,5				<b>911.620.11</b>	<b>811.620.11</b>
12,3	25,4	57,2		<b>811.123.11</b>			
12,3	25,4	63,5					<b>811.623.11</b>
12,7	19	57,2		<b>811.127.11</b>			
12,7	25,4	66,7					<b>811.627.11</b>
12,7	31,7	82,5					<b>811.628.11</b>
13	20	57	<b>711.130.11</b>		<b>911.130.11</b>		
14	20	50	<b>711.140.11</b>	<b>811.140.11</b>	<b>911.140.11</b>		
14,2	14,2	57,2		<b>811.142.11</b>			
15	20	57,2	<b>711.150.11</b>	<b>811.150.11</b>	<b>911.150.11</b>		
15,8	19	66,7		<b>811.158.11</b>			
15,8	25,4	63,5					<b>811.660.11</b>
16	20	57,2	<b>711.160.11</b>	<b>811.160.11</b>	<b>911.160.11</b>		
16	25,4	63,5					<b>811.661.11</b>
17	20	50	<b>711.170.11</b>				
18	20	50	<b>711.180.11</b>	<b>811.180.11</b>	<b>911.180.11</b>		
18,2	25,4	57,2		<b>811.182.11</b>			
18,2	25,4	63,5					<b>811.682.11</b>
19	20	57,2	<b>711.190.11</b>	<b>811.191.11</b>	<b>911.190.11</b>		
19	25,4	63,5					<b>811.690.11</b>
20	20	50	<b>711.200.11</b>	<b>811.200.11</b>	<b>911.200.11</b>		
22	20	57,2	<b>711.220.11</b>	<b>811.220.11</b>	<b>911.220.11</b>		
24	20	50	<b>711.240.11</b>		<b>911.240.11</b>		
25	20	50	<b>711.250.11</b>		<b>911.250.11</b>		
25,4	19	50,8		<b>811.254.11</b>			
25,4	31,7	76,2					<b>811.754.11</b>
28,5	31,7	76,2					<b>811.785.11</b>

• HWM

\* Z1

Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets

# Straight bits, long series

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

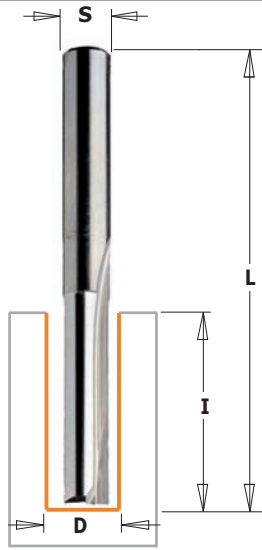
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

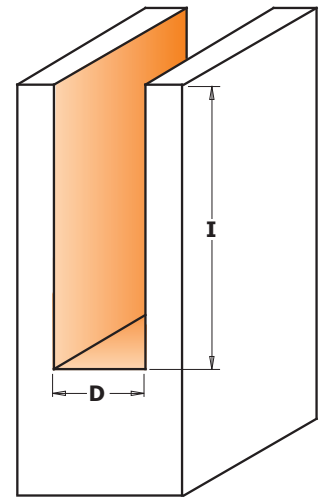
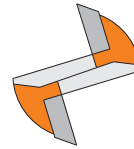
Display Cabinets



## 7/8/912

**Safety precautions:** never use damaged or worn bits. Always work at the 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 cutting edge top sharpening on 9mm diameter bits and larger allows for short plunging operations.



Drawing are 1:1 scale

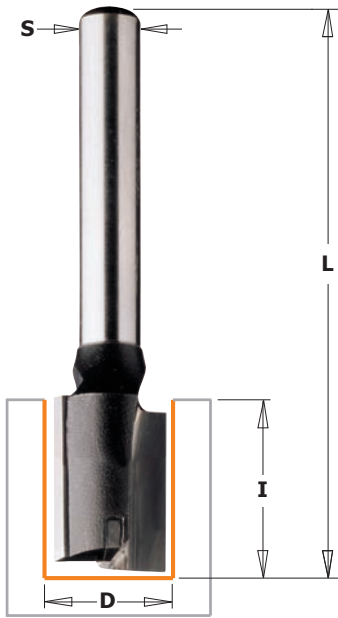


Masterpack

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
• 3	11	60	<b>712.030.11</b>				
• 3,2	12,7	50,8		<b>812.032.11</b>			
• 4	12	60	<b>712.040.11</b>				
• 5	18	60	<b>712.050.11</b>				
• 6	25,4	60	<b>712.060.11</b>	<b>812.060.11</b>	<b>912.060.11</b>		
• 6,35	25,4	60		<b>812.064.11</b>			
• 8	31,7	60	<b>712.080.11</b>	<b>812.080.11</b>	<b>912.080.11</b>		
• 8	31,7	75				<b>912.580.11</b>	
9	31,7	75				<b>912.590.11</b>	
9,5	31,7	63,5		<b>812.095.11</b>			
9,5	31,7	73					<b>812.595.11</b>
10	31,7	60	<b>712.100.11</b>	<b>812.100.11</b>	<b>912.100.11</b>		
10	31,7	70					<b>812.600.11</b>
10	31,7	74				<b>912.600.11</b>	
11,1	31,7	82,5					<b>812.611.11</b>
12	31,7	60	<b>712.120.11</b>	<b>812.120.11</b>	<b>912.120.11</b>		
12	31,7	70					<b>812.620.11</b>
12	38,1	95				<b>912.621.11</b>	<b>812.621.11</b>
12	50,8	108				<b>912.622.11</b>	
12,7	31,7	70		<b>812.127.11</b>	<b>912.127.11</b>		
12,7	38,1	95					<b>812.627.11</b>
12,7	50,8	108					<b>812.628.11</b>
12,7	63,5	111					<b>812.629.11</b>
14	31,7	60	<b>712.140.11</b>	<b>812.140.11</b>	<b>912.140.11</b>		
14	31,7	70				<b>912.640.11</b>	
15	31,7	66	<b>712.150.11</b>	<b>812.150.11</b>	<b>912.150.11</b>		
15	31,7	70				<b>912.650.11</b>	
15,8	31,7	70		<b>812.158.11</b>			
16	31,7	66	<b>712.160.11</b>	<b>812.160.11</b>	<b>912.160.11</b>		
16	31,7	70				<b>912.660.11</b>	<b>812.660.11</b>
18	38,1	80				<b>912.681.11</b>	
19	38,1	82,5				<b>912.690.11</b>	<b>812.690.11</b>
19	50,8	92				<b>912.691.11</b>	<b>812.691.11</b>
20	38,1	80				<b>912.701.11</b>	
22	38,1	80				<b>912.721.11</b>	
<b>5 pcs. in masterpack</b>							
12,7	50,8	108					<b>812.628.11-X5</b>
<b>10 pcs. in masterpack</b>							
12,7	50,8	108					<b>812.628.11-X10</b>

• HWM

# Straight bits with centre tip



## 174-177

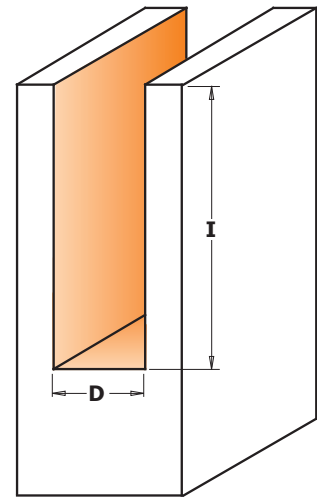
These industrial straight bits are made a kind of stainless steel specifically created to support hard work on route machines and CNC routers. The cutting plunging edge will allow you to execute any kind of drilling and trimming jobs on soft and hardwood, wood composites and also plastic and laminated materials.

### Application

Used for drilling, grooving or jointing solid wood and wood composites. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

### Plunge centre tip

This particular kind of cutting plunging edge allows long-lasting performance on drilling operation.



Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=∅8mm
• 3	10	55	<b>174.030.11</b>
• 4	10	55	<b>174.040.11</b>
• 5	12	55	<b>174.050.11</b>
• 6	14	55	<b>174.060.11</b>
• 7	20	55	<b>174.070.11</b>
8	20	55	<b>174.080.11</b>
8	30	70	<b>174.081.11</b>
8	40	90	<b>174.082.11</b>
9	20	55	<b>174.090.11</b>
10	20	60	<b>174.100.11</b>
10	30	70	<b>174.102.11</b>
10	40	90	<b>174.101.11</b>
11	20	60	<b>174.110.11</b>
12	20	60	<b>174.120.11</b>
12	30	70	<b>174.122.11</b>
12	40	90	<b>174.121.11</b>
13	20	60	<b>174.130.11</b>
14	20	60	<b>174.140.11</b>
14	30	70	<b>174.142.11</b>
14	40	90	<b>174.141.11</b>
15	20	60	<b>174.150.11</b>
16	20	70	<b>174.160.11</b>
16	30	70	<b>174.162.11</b>
16	40	90	<b>174.161.11</b>
18	20	70	<b>174.180.11</b>
18	30	70	<b>174.181.11</b>
18	40	80	<b>174.182.11</b>
19	20	70	<b>174.190.11</b>
20	20	70	<b>174.200.11</b>
20	30	70	<b>174.201.11</b>
20	40	90	<b>174.202.11</b>
22	20	70	<b>174.220.11</b>
22	30	70	<b>174.221.11</b>
22	40	90	<b>174.222.11</b>
24	20	70	<b>174.240.11</b>
24	30	70	<b>174.241.11</b>
24	40	90	<b>174.242.11</b>
25	20	70	<b>174.250.11</b>
26	20	70	<b>174.260.11</b>
26	30	70	<b>174.261.11</b>
28	20	70	<b>174.280.11</b>
28	30	70	<b>174.281.11</b>
29	20	70	<b>174.290.11</b>
30	20	70	<b>174.300.11</b>

D mm	I mm	L mm	ORDER NO. S=∅12mm
10	35	90	<b>177.100.11</b>
12	35	90	<b>177.120.11</b>
12	50	100	<b>177.121.11</b>
14	35	90	<b>177.140.11</b>
16	35	90	<b>177.160.11</b>
16	60	110	<b>177.161.11</b>
18	35	90	<b>177.180.11</b>
18	60	110	<b>177.181.11</b>
20	35	90	<b>177.200.11</b>
22	35	90	<b>177.220.11</b>
24	35	90	<b>177.240.11</b>
25	35	90	<b>177.250.11</b>
26	35	90	<b>177.260.11</b>
28	35	90	<b>177.280.11</b>
30	35	90	<b>177.300.11</b>
35	35	90	<b>177.350.11</b>

• HWM

# Straight cutters with threaded shank

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

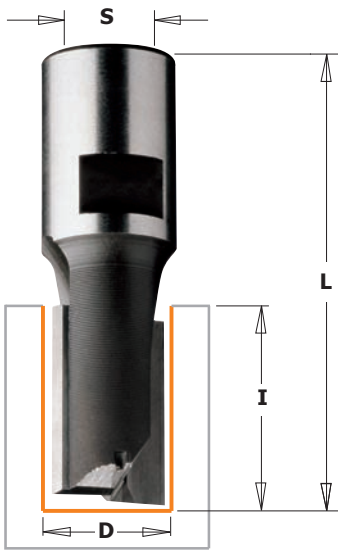
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



**TECHNICAL DETAILS:**

- Super strength steel
- 2 HW alternating precision ground cutting edges [Z2+1]

**APPLICATION:** ideal for cutting openings for electrical boxes and similar operations in solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

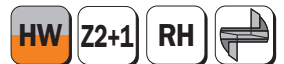
## 170-171-180-181



D mm	I mm	L mm	ORDER NO. S=M12x1
6	18	60	170.060.11
8	23	60	170.080.11
10	23	60	170.100.11
11	23	60	170.110.11
12	23	60	170.120.11
14	23	60	170.140.11
15	25	60	170.150.11
16	25	60	170.160.11
18	25	60	170.180.11
20	25	60	170.200.11
22	25	60	170.220.11
24	25	60	170.240.11
25	25	60	170.250.11
26	25	60	170.260.11
28	25	60	170.280.11
30	25	60	170.300.11
35	25	60	170.350.11
8	35	67	171.080.11
10	35	67	171.100.11
12	35	67	171.120.11
14	35	67	171.140.11
16	35	67	171.160.11
18	35	67	171.180.11
20	35	67	171.200.11
22	35	67	171.220.11
12	45	77	180.120.11
16	45	77	180.160.11
18	45	77	180.180.11
20	45	77	180.200.11
16	60	92	181.160.11
20	60	92	181.200.11

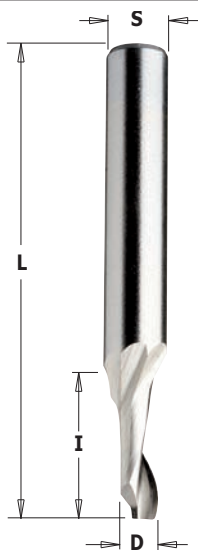


## 173-182



D mm	I mm	L mm	ORDER NO. S=M10
6	14	50	173.060.11
8	20	52	173.080.11
10	22	52	173.100.11
12	22	52	173.120.11
14	25	52	173.140.11
15	25	52	173.150.11
16	25	52	173.160.11
18	25	52	173.180.11
20	25	52	173.200.11
22	25	52	173.220.11
25	25	52	173.250.11
30	25	52	173.300.11
8	35	67	182.080.11
10	35	67	182.100.11
12	35	67	182.120.11
14	35	67	182.140.11
16	45	77	182.160.11
18	45	77	182.180.11
20	45	77	182.200.11

## 5%co HS spiral bits for aluminium positive single flute

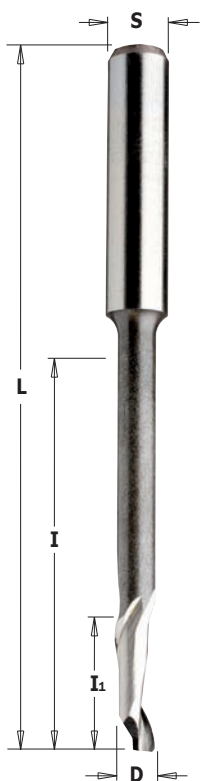


**188**

HS Z1 RH

D mm	I mm	L mm	ORDER NO. S=Ø8mm
3	12	60	<b>188.030.51</b>
4	12	60	<b>188.040.51</b>
4	40	100	<b>188.041.51</b>
5	14	60	<b>188.050.51</b>
5	40	100	<b>188.051.51</b>
6	14	60	<b>188.060.51</b>
6	40	100	<b>188.061.51</b>
7	14	60	<b>188.070.51</b>
8	14	80	<b>188.080.51</b>
8	40	100	<b>188.081.51</b>
9	14	80	<b>188.090.51</b>
10	14	80	<b>188.100.51</b>
12	14	80	<b>188.120.51</b>

## 5%co HS spiral bits for aluminium positive single flute for high cutting depth



**189**

HS Z1 RH

D mm	I mm	I <sub>1</sub> mm	L mm	S mm	ORDER NO.
4	46	16	90	8	<b>189.040.51</b>
5	35	18	80	8	<b>189.050.51</b>
5	35	14	120	8	<b>189.051.51</b>
5	55	16	90	8	<b>189.052.51</b>
6	45	16	90	8	<b>189.060.51</b>
8	68	14	100	8	<b>189.080.51</b>
8	55	14	80	8	<b>189.081.51</b>
10	95	14	120	10	<b>189.100.51</b>
10	70	30	100	10	<b>189.101.51</b>

**TECHNICAL DETAILS:**

- 5%co premium solid HS
- 1 upcut spiral cutting edge
- Upward chip ejection

**APPLICATION:** these tools feature single flute design allowing both efficient and effective carving on all types of aluminium. The final result? Higher flexibility than traditional bits, enhanced productivity and high quality finishing.



# Straight router bits with insert knives



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

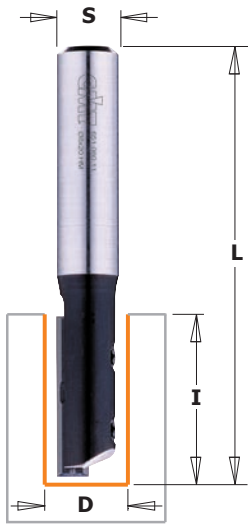
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

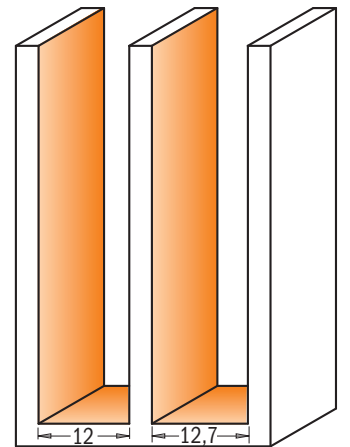
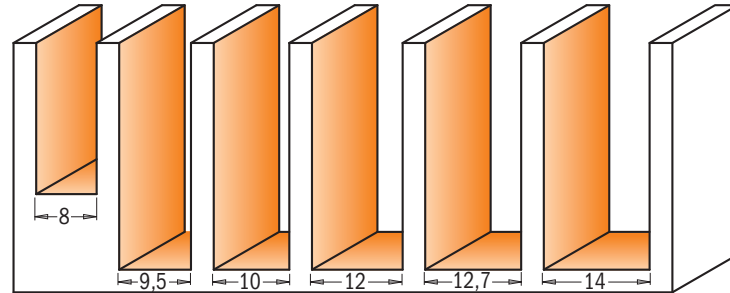
Power Tools & Accessories

Display Cabinets



## 651-652

Straight router bit with one replaceable mini knife and fixing wedge. Radial and axial groove for better and safe knife insertion. For finishing, routing and grooving in board materials (DTD laminated, MDF and hardwood). For use on portable routers or CNC machining centres.



Drawings are 1:1 scale

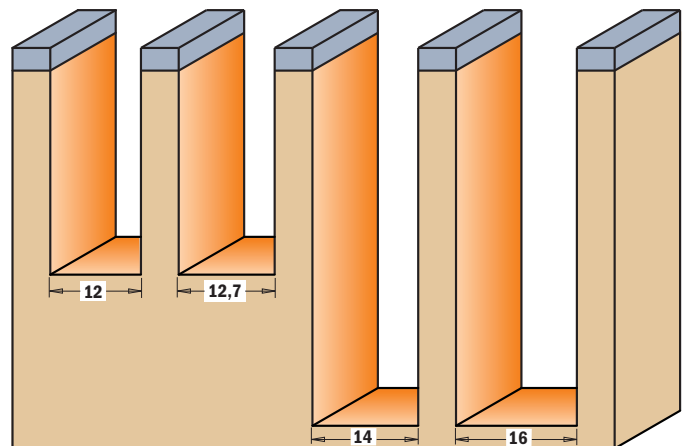
D mm	I mm	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
8	20	60	<b>651.079.11</b>							
8	20	60		<b>651.080.11</b>			790.200.01	651.999.01	990.070.00	991.063.00
8	20	67			<b>651.081.11</b>	<b>651.681.11</b>	790.200.01	651.999.01	990.070.00	991.063.00
9,5	30	70	<b>651.095.11</b>				790.300.01	651.999.02	990.071.00	991.063.00
9,5	30	80				<b>651.695.11</b>	790.300.01	651.999.02	990.071.00	991.063.00
10	30	70		<b>651.100.11</b>			790.300.01	651.999.02	990.071.00	991.063.00
10	30	80			<b>651.101.11</b>	<b>651.701.11</b>	790.300.01	651.999.02	990.071.00	991.063.00
12	30	70		<b>651.120.11</b>			790.300.01	651.999.02	990.071.00	991.063.00
12	30	80			<b>651.121.11</b>	<b>651.721.11</b>	790.300.01	651.999.02	990.071.00	991.063.00
12	50	103			<b>652.121.11</b>	<b>652.621.11</b>	790.500.01	651.999.03	990.016.00	991.060.00
12,7	30	70	<b>651.127.11</b>				790.300.01	651.999.02	990.071.00	991.063.00
12,7	30	80				<b>651.727.11</b>	790.300.01	651.999.02	990.071.00	991.063.00
12,7	50	103				<b>652.628.11</b>	790.500.01	651.999.03	990.016.00	991.060.00
14	30	73		<b>651.140.11</b>			790.300.01	651.999.02	990.071.00	991.063.00

# Straight router bits with insert knives for laminates



## 652

Straight trimmer bits with one replaceable knife fixed by Torx screw. For economical specialist applications requiring low down-time. The 29,5x9x1,5mm knives provide a 40mm cutting length when operating in multiple passes. For routing, trimming and grooving on board materials (laminated chipboards, worktop panels and MDF). For use on portable routers.



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
12	29,5	79	<b>652.120.11</b>					
12	39,5	90	<b>652.122.11</b>			790.295.09	990.072.00	991.061.00
12,7	29,5	89			<b>652.627.11</b>	790.395.09	990.072.00	991.061.00
14	50	96		<b>652.141.11</b>		790.295.09	990.072.00	991.061.00
16	50	96		<b>652.161.11</b>		790.500.09	990.072.00	991.061.00

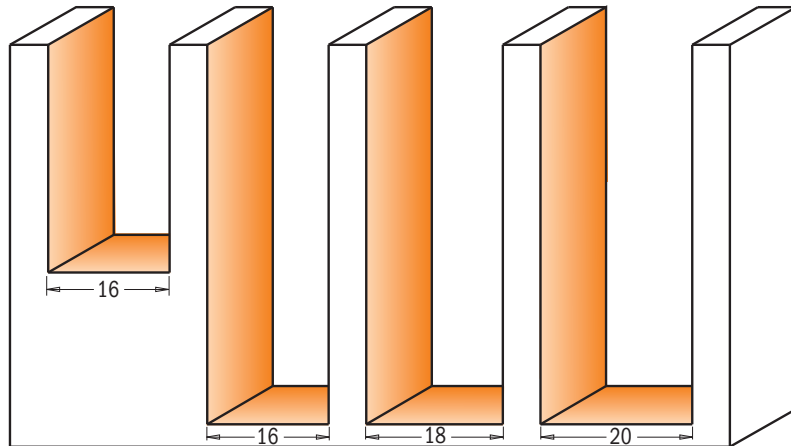
## Straight router bits with insert knives



**653**

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.

INSERT CARBIDE Z1+1 RH



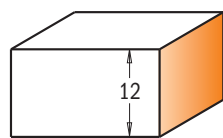
Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts				
			S=Ø8mm	S=Ø12mm	S=Ø12,7mm	S=Ø20mm					
15,8	28,3	91			<b>653.158.11</b>		790.283.12	990.074.00	790.075.00	990.072.00	991.061.00
15,8	48,3	111			<b>653.159.11</b>		790.483.12	990.074.00	790.075.00	990.072.00	991.061.00
16	28,3	81	<b>653.160.11</b>				790.283.12	990.074.00	790.075.00	990.072.00	991.061.00
16	28,3	91		<b>653.161.11</b>		<b>653.661.11</b>	790.283.12	990.074.00	790.075.00	990.072.00	991.061.00
16	48,3	111		<b>653.162.11</b>		<b>653.662.11</b>	790.483.12	990.074.00	790.075.00	990.072.00	991.061.00
18	48,3	111				<b>653.681.11</b>	790.483.12	990.074.00	790.075.00	990.072.00	991.061.00
20	48,3	111				<b>653.701.11</b>	790.483.12	990.074.00	790.096.00	990.072.00	991.061.00

## Straight router bits with insert knives



**655**



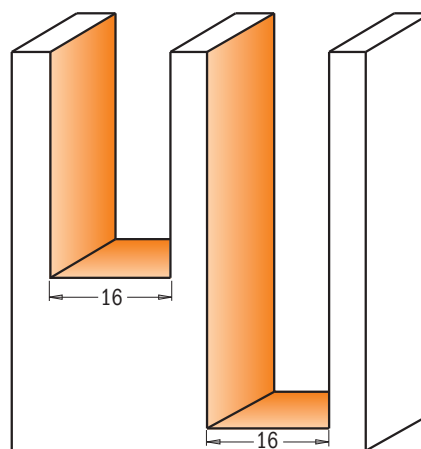
Drawing are 1:1 scale

**654**



Straight router bit with two replaceable knives fixed by special Torx screws. Their blades are sharpened on the top with 3° angle for better plunging operations.

INSERT CARBIDE Z2 RH



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts		
			S=Ø8mm	S=Ø12mm	S=Ø12,7mm	S=Ø20mm			
16	28,3	76	<b>654.160.11</b>				790.283.12	990.073.00	991.061.00
16	28,3	86		<b>654.161.11</b>	<b>654.661.11</b>		790.283.12	990.073.00	991.061.00
16	48,3	105		<b>654.162.11</b>		<b>654.662.11</b>	790.483.12	990.073.00	991.061.00
19	12	45	<b>655.190.11</b>				790.120.00	990.075.00	991.061.00

# Mortising bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

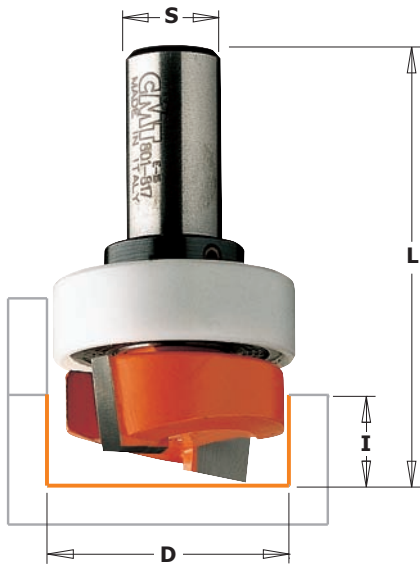
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

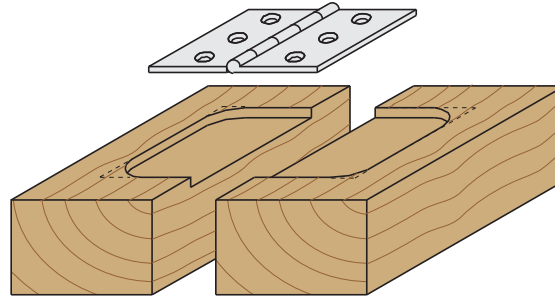
Power Tools & Accessories

Display Cabinets



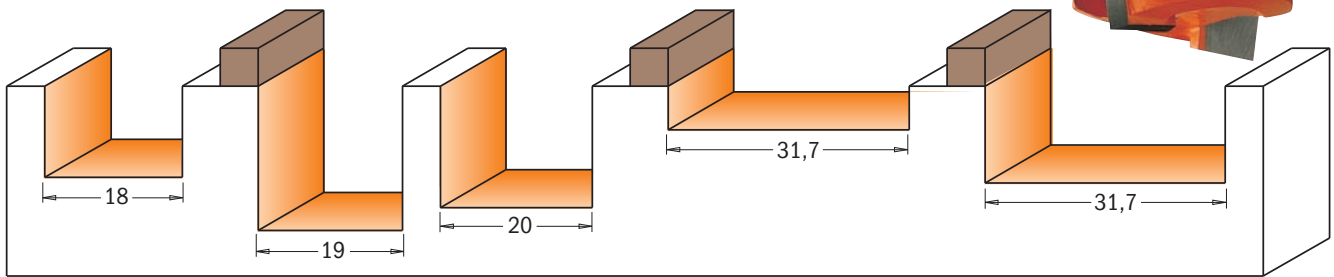
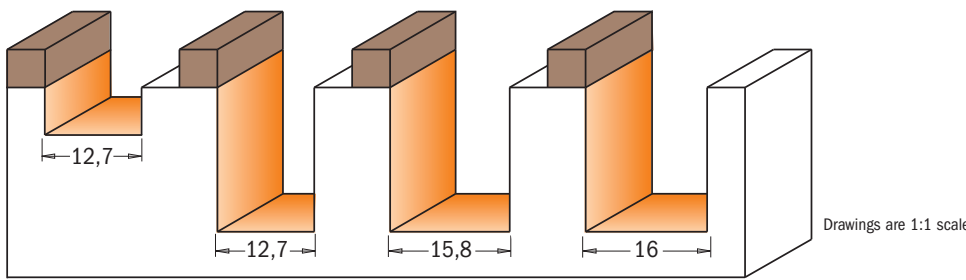
## 7/8/901B

Equipped with thick carbide tips and negative shear angle design, CMT mortising bits guarantee you flawless performance. Mortise perfect hinges with no splintered edges or rough bottoms. They also make an easy job on both natural wood and wood composites. Fit most popular mortising jigs. The CMT mortising bit with top bearing guide is the perfect bit for sign making or any kind of template work.



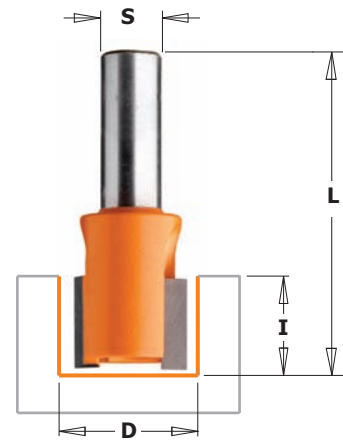
Example of usage of a CMT mortising bit to fit a hinge.

## 7/8/901

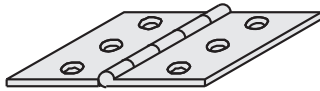


D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
12,7	6,35	41		<b>801.128.11</b>						
12,7	19	54	<b>701.127.11</b>	<b>801.127.11</b>	<b>901.127.11</b>					
12,7	19	60				<b>901.627.11</b>	<b>801.627.11</b>			
15,8	19	57		<b>801.158.11</b>						
16	19	54	<b>701.160.11</b>		<b>901.160.11</b>					
18	16	48	<b>701.180.11</b>		<b>901.180.11</b>					
19	19	54	<b>701.190.11</b>	<b>801.190.11</b>	<b>901.190.11</b>					
19	19	57					<b>801.690.11</b>			
20	16	48	<b>701.200.11</b>		<b>901.200.11</b>					
31,7	5,7	63					<b>801.818.11</b>			
31,7	12,7	48		<b>801.317.11</b>						
31,7	12,7	54				<b>901.817.11</b>	<b>801.817.11</b>			
<b>with top bearing</b>										
12,7	6,35	41		<b>801.128.11B</b>				791.010.00	541.001.00	991.056.00
12,7	19	54		<b>801.127.11B</b>				791.010.00	541.001.00	991.056.00
15,8	19	57		<b>801.158.11B</b>				791.009.00	541.001.00	991.056.00
16	19	54			<b>901.160.11B</b>			791.025.00	541.004.00	991.056.00
19	19	54	<b>701.190.11B</b>					791.007.00	541.003.00	991.056.00
19	19	54		<b>801.190.11B</b>				791.004.00	541.001.00	991.056.00
31,7	5,7	63					<b>801.818.11B</b>	791.015.00	541.002.00	991.056.00
31,7	12,7	54					<b>801.817.11B</b>	791.015.00	541.002.00	991.056.00

# Hinge recesser bits



Ideal for hinge recessing

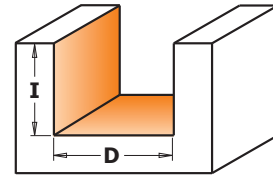


## 7/902



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.

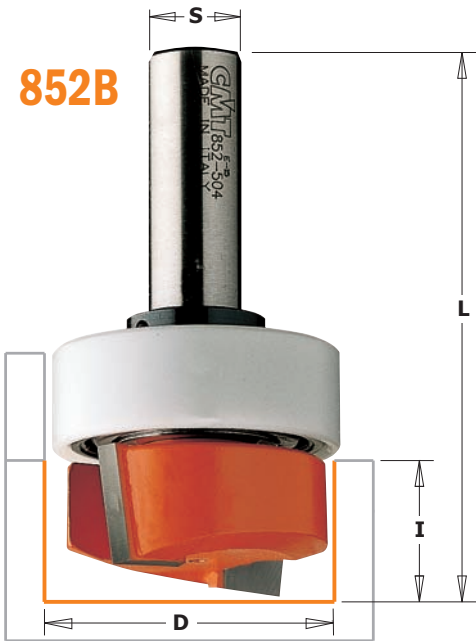


Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø8mm
12	12	38	<b>702.120.11</b>	<b>902.120.11</b>
13	12	38	<b>702.130.11</b>	<b>902.130.11</b>
14	12	38	<b>702.140.11</b>	<b>902.140.11</b>
15	12	38	<b>702.150.11</b>	<b>902.150.11</b>
16	12	38	<b>702.160.11</b>	<b>902.160.11</b>
18	12	38	<b>702.180.11</b>	<b>902.180.11</b>
20	11	38	<b>702.200.11</b>	<b>902.200.11</b>
22	11	38	<b>702.220.11</b>	<b>902.220.11</b>
23	11	38	<b>702.230.11</b>	<b>902.230.11</b>
24	11	38	<b>702.240.11</b>	<b>902.240.11</b>
25	11	38	<b>702.250.11</b>	<b>902.250.11</b>

# Dado & Planer bits

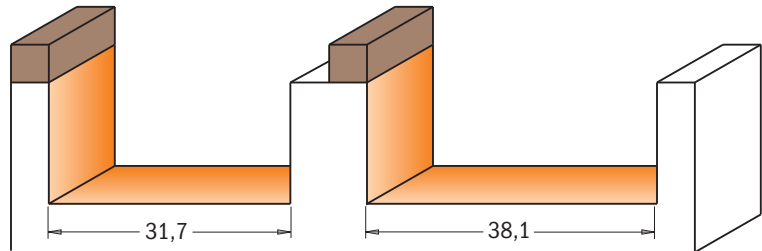
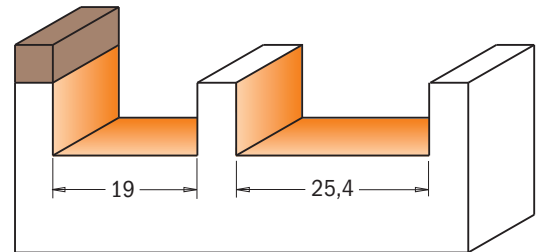
## 852B



## 852



Constructed with thick carbide tips and downward shear angle design, CMT mortising bits give you flawless performance. The negative shear angle of the cutting edges pushes the wood fibers down as they cut, allowing you to rout perfect hinge mortises with no splintered edges or rough bottoms. They also make an easy job on both natural wood and wood composites. We offer bits to fit the most popular mortising jigs.



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm	Spare parts		
19	9,5	57	<b>852.001.11</b>				
19	9,5	63,5		<b>852.501.11</b>			
25,4	9,5	57		<b>852.502.11</b>			
31,7	15,8	70		<b>852.503.11</b>			
38,1	15,8	70		<b>852.504.11</b>			
<b>with top bearing</b>							
19	9,5	57	<b>852.001.11B</b>		791.004.00	541.001.00	991.056.00
19	9,5	63,5		<b>852.501.11B</b>	791.011.00	541.002.00	991.056.00
31,7	15,8	70		<b>852.503.11B</b>	791.015.00	541.002.00	991.056.00
38,1	15,8	70		<b>852.504.11B</b>	791.020.00	541.002.00	991.056.00

# Pattern bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

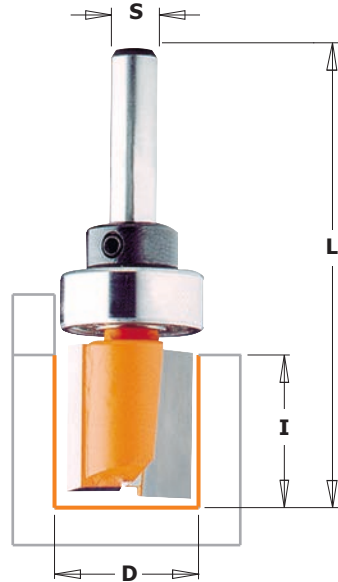
Spare Parts

Power Tools & Accessories

Display Cabinets



**7/8/912B**



**7/8/911B**



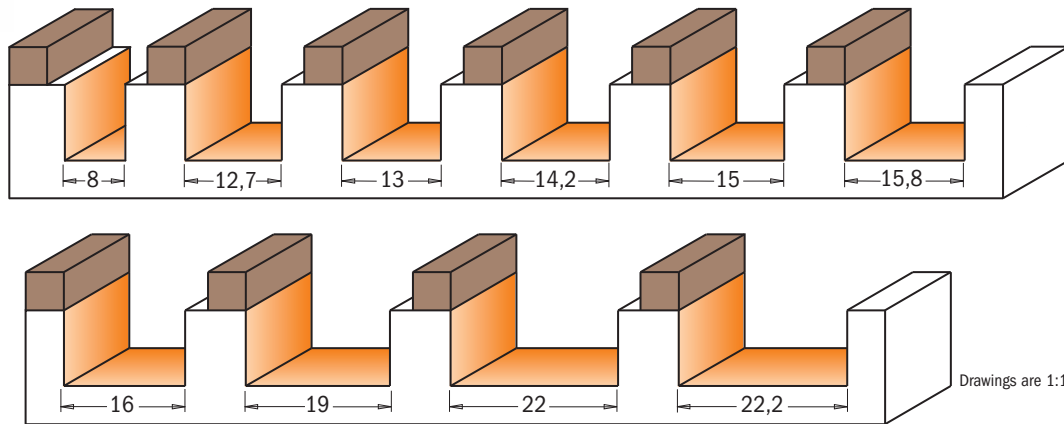
Whether you are a full time professional or a part time woodworking enthusiast, discover the unlimited possibilities of template routing with a CMT pattern bit. Pair up these double fluted bits with your choice of template to produce cabinet and furniture pieces, signs, toys and any other creative projects.

Carbide tipped to last longer, CMT pattern bits are equipped with top bearing for working with the bearing above the wood piece.

This gives you a clear view of what you are routing so you can work confidently and accurately.

**Safety tips:** Make sure your router is in top condition. The template must be securely fastened to the workpiece.

When choosing a bit, carefully consider the thickness of the template and all the implications of the cut. Opt for the shortest bit possible for the project you are working on.



Drawings are 1:1 scale

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		<b>811.081.11B*</b>						
12,7	19	57		<b>811.127.11B</b>				791.010.00	541.001.00	991.056.00
13	20	57	<b>711.130.11B</b>					791.023.00	541.003.00	991.056.00
14,2	14,2	57		<b>811.142.11B</b>				791.009.00	541.001.00	991.056.00
15	20	57	<b>711.150.11B</b>					791.024.00	541.003.00	991.056.00
15,8	12,7	58		<b>811.159.11B</b>				791.009.00	541.001.00	991.056.00
15,8	19	66,5		<b>811.158.11B</b>				791.009.00	541.001.00	991.056.00
16	20	57			<b>911.160.11B</b>			791.025.00	541.004.00	991.056.00
19	20	57	<b>711.190.11B</b>					791.007.00	541.003.00	991.056.00
19	20	57		<b>811.191.11B</b>				791.004.00	541.001.00	991.056.00
19	25,4	63,5					<b>811.690.11B</b>	791.011.00	541.002.00	991.056.00
22	20	57			<b>911.220.11B</b>			791.005.00	541.004.00	991.056.00
22,2	25,4	66,5					<b>811.222.11B*</b>	791.021.00	541.006.00	991.056.00
<b>long series</b>										
12,7	31,7	70		<b>812.127.11B</b>				791.010.00	541.001.00	991.056.00
15	31,7	66,5	<b>712.150.11B</b>					791.024.00	541.003.00	991.056.00
15,8	31,7	70		<b>812.158.11B</b>				791.009.00	541.001.00	991.056.00
16	31,7	66,5			<b>912.160.11B</b>			791.025.00	541.004.00	991.056.00
19	38,1	82,5				<b>912.690.11B</b>		791.011.00	541.005.00	991.056.00
19	38,1	82,5					<b>812.690.11B</b>	791.011.00	541.002.00	991.056.00
19	50,8	92				<b>912.691.11B</b>		791.011.00	541.005.00	991.056.00
19	50,8	92					<b>812.691.11B</b>	791.011.00	541.002.00	991.056.00

\*This item requires a slightly larger bearing than its cutting diameter

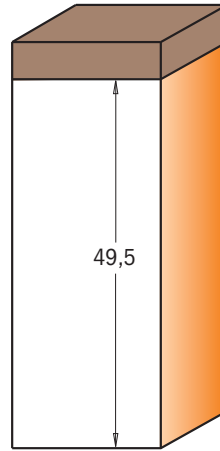
\*Ø9,5mm shanks with Ø9,5/12,7mm bushings (799.001.00)

## Pattern router bits with insert knives



### 652B

Straight router bits with on replaceable knife fixed by a Torx screw. For economical specialist applications requiring low downtime. They are equipped with top bearing for template use. For routing, trimming and grooving in board materials (laminated chipboards, worktop panels, MDF). For use on portable routers.



Drawing are 1:1 scale

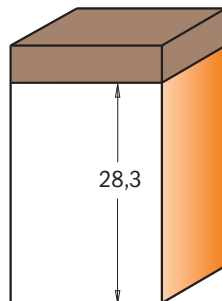
D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts					
19	49,5	100	652.690.11B	652.691.11B						
					790.495.09	990.072.00	991.061.00	791.011.00	541.002.00	991.056.00

## Pattern router bits with insert knives for laminates

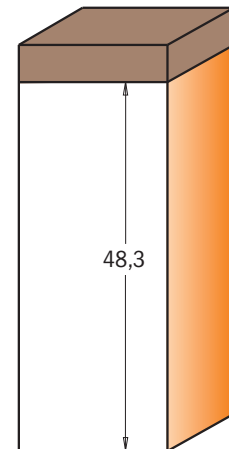
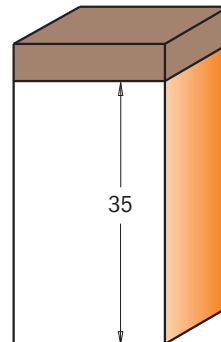


### 656

This bit type is equipped with top bearing for template use. For finishing, routing and grooving in board materials (laminated chipboards, MDF) and hardwood. Fors use on portable routers or CNC machining centres.



Drawings are 1:1 scale



D mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts					
16	35	80	656.160.11								
19	28,3	69	656.190.11			790.283.12	990.076.00	991.061.00	791.025.00	541.004.00	991.056.00
19	28,3	69				790.283.12	990.075.00	991.061.00	791.034.00	541.004.00	991.056.00
19	28,3	79			656.691.11	790.283.12	990.075.00	991.061.00	791.011.00	541.002.00	991.056.00
19	48,3	100		656.692.11	656.693.11	790.483.12	990.075.00	991.061.00	791.011.00	541.002.00	991.056.00

# Weatherseal bits



7/813.001

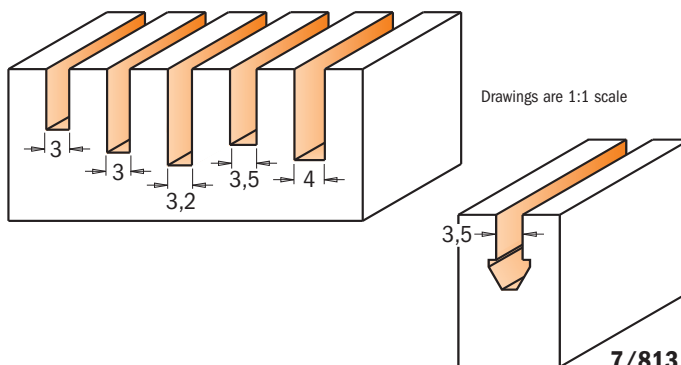
191.635

711.031

712.030  
712.040  
812.032

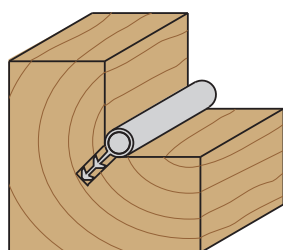
Make your house more energy efficient by insulating old doors and windows. A CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid carbide for strength and endurance.

Special economical double-sided design lets you save money by offering two tips in one bit; with the same features as the one-sided weatherseal bit. Only available with a 3mm (1/8") cutting diameter.



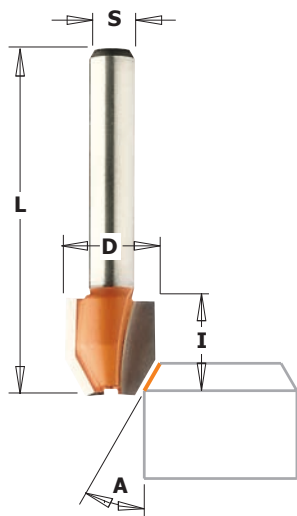
Drawings are 1:1 scale

7/813.001.11



D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm
3	8	70	<b>711.031.11</b>	
3	11	60	<b>712.030.11</b>	
3,2	12,7	50,8		<b>812.032.11</b>
3,5	10	60	<b>191.635.11</b>	
4	12	60	<b>712.040.11</b>	
3,5	8	70	<b>713.001.11</b>	
3,5	8	63,5		<b>813.001.11</b>

# Combination trimmer bits



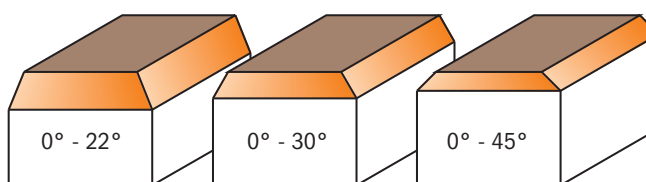
7/8/921



Work to your highest standards with the CMT combination trimmer bits. Now you can cut, trim and bevel all laminated without changing the bits. Achieve great results in 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:** these bits must be used with an edge, separate guide or fence.



Drawings are 1:1 scale

A	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
0° - 22°	12	12,7	44,5	<b>721.022.11</b>	<b>821.022.11</b>	
0° - 30°	12	12,7	44,5	<b>721.030.11</b>	<b>821.030.11</b>	<b>921.030.11</b>
0° - 45°	12	12,7	44,5	<b>721.045.11</b>	<b>821.045.11</b>	

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

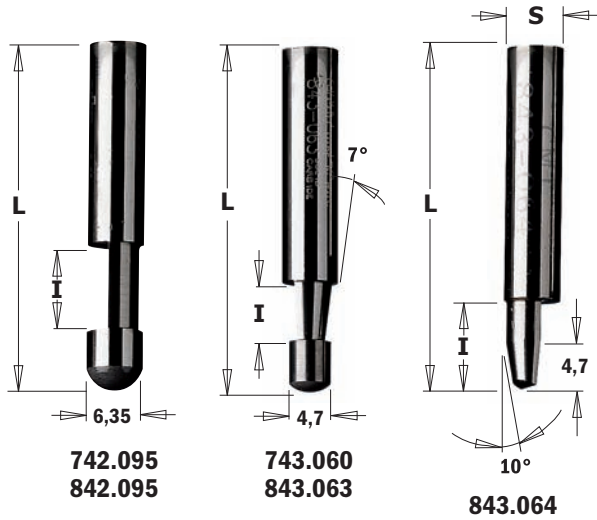
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## Combination trimmer bits



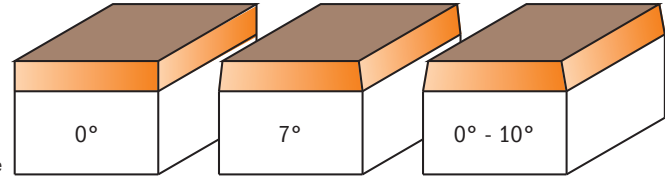
### 7/842-7/843

Work to your highest standards with the CMT combination trimmer bits. Now you can cut, trim and bevel all laminated without changing the bits. Achieve great results in 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:** these bits must be used with an edge, separate guide or fence.



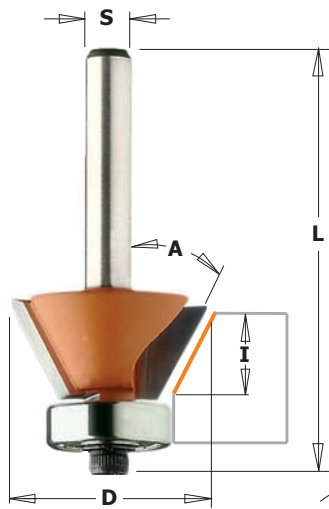
50 pcs. in Masterpack



Drawings are 1:1 scale

A	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm
• 0°	6	9,5	38,1	<b>742.095.11</b>	
• 0°	6,35	9,5	38,1		<b>842.095.11</b>
• 7°	6	6	38,1	<b>743.060.11</b>	
• 7°	6,35	6,35	38,1		<b>843.063.11</b>
• 0° - 10°	6,35	9,5	38,1		<b>843.064.11</b>
<b>50 pcs. in masterpack</b>					
• 0°	6,35	9,5	38,1		<b>842.095.11-X50</b>
• 7°	6,35	6,35	38,1		<b>843.063.11-X50</b>

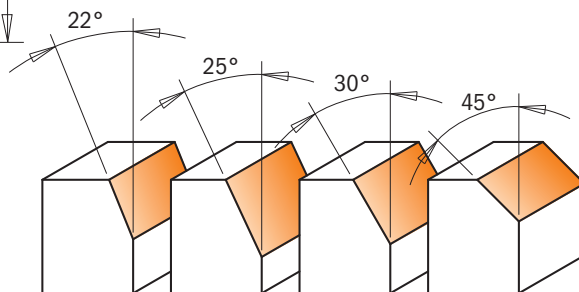
## Combination trimmer bits



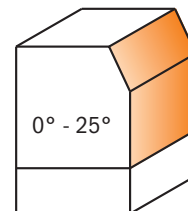
### 7/8/909 - 7/910

Using the CMT's combination flush and bevel trim bits is the easiest and most precise way to put execute finishing on laminates. No bit changing is necessary to achieve a large variety of angles; simply lower the bit cutting depth for perfect right angle cuts, or raise it for creating rounded off edges with angles up to 25° on both soft and hardwood.

These bits include ball bearing guide for easy template work and for guaranteeing the protection of your workpiece. Also they feature two flutes for smoother cutting and are perfect for rounding off table legs and other soft areas on furniture pieces that may be easily damaged.



Drawings are 1:1 scale



A	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	Spare parts							
0° - 25°	19 - 24,5	16 (10+6)	56,5	<b>707.210.11</b>		<b>907.210.11</b>					791.007.00	990.004.00	991.062.00	
22°	12,7	7,8	47,6		<b>809.022.11</b>						791.035.00	990.062.00	991.057.00	
25°	19,05	10	52,4		<b>809.025.11</b>						990.422.00	791.002.00	990.058.00	991.057.00
30°	27	9	55	<b>709.260.11</b>		<b>909.260.11</b>					990.423.00	791.018.00	990.058.00	991.057.00
45°	27	5,5	51,5	<b>710.260.11</b>		<b>910.260.11</b>					990.423.00	791.018.00	990.058.00	991.057.00



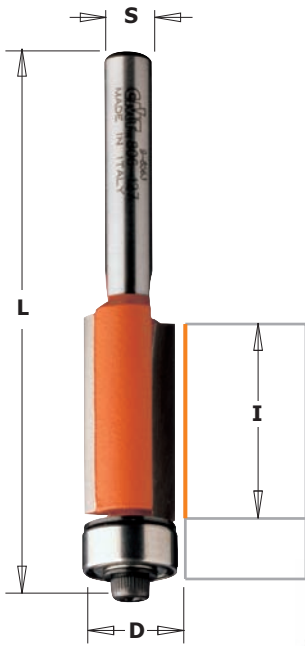
# Flush trim bits



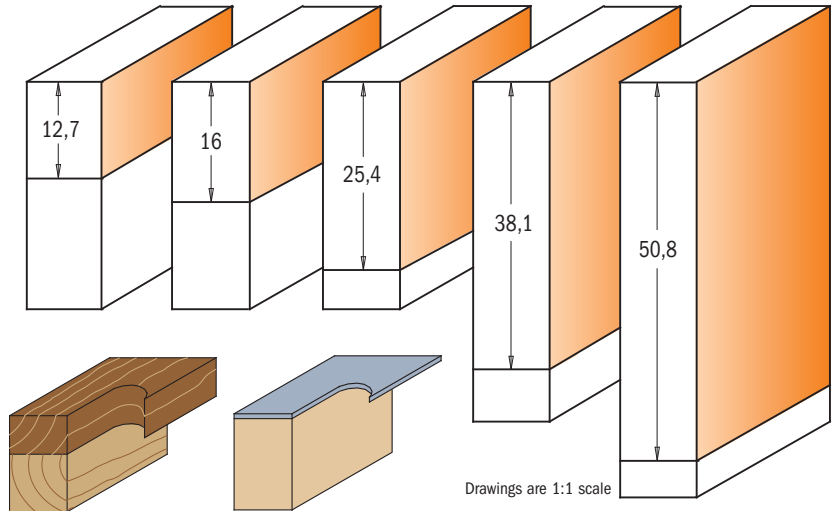
## 7/8/906

We have designed a series of truly indispensable bits available in a wide range of sizes for your woodworking needs and your most difficult projects. For precision work on laminates or quick template work with excellent finishing.

**Shop tips:** these bits are excellent for making through mortises. Use a straight bit (#711.130.11) to groove the through mortise area, then use the drill bit (#517.130.31) to bore a through hole at the end of the groove. Turn the workpiece over to end the mortise. Use the flush trim bit with a cutting length slightly longer than the fillet, following the groove made on the opposite side of the workpiece with the ball bearing guide.



10 pcs. in masterpack



Drawings are 1:1 scale

• HWM

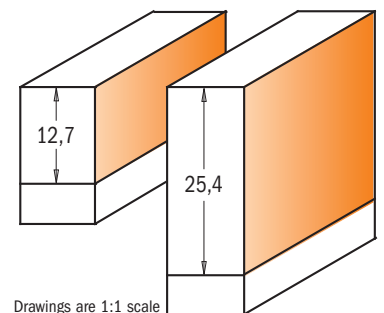
I mm	D mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
•25,4	6,35	63,5	<b>706.064.11</b>	<b>806.064.11</b>						
12,7	9,5	55,5	<b>706.096.11</b>	<b>806.096.11</b>	<b>906.096.11</b>			541.350.00	791.035.00	
12,7	12,7	57,8	<b>706.128.11</b>	<b>806.128.11</b>	<b>906.128.11</b>			990.422.00	791.002.00	990.058.00
12,7	12,7	70,6				<b>906.628.11</b>	<b>806.628.11</b>	990.423.00	791.003.00	990.058.00
16	19	57,1	<b>706.190.11</b>		<b>906.190.11</b>			990.423.00	791.003.00	990.058.00
25,4	9,5	68,2	<b>706.095.11</b>	<b>806.095.11</b>	<b>906.095.11</b>				791.007.00	990.004.00
25,4	12,7	70,7	<b>706.127.11</b>	<b>806.127.11</b>	<b>906.127.11</b>			990.422.00	791.002.00	990.058.00
25,4	12,7	86,6				<b>906.627.11</b>	<b>806.627.11</b>	990.423.00	791.003.00	990.058.00
38,1	12,7	94				<b>906.629.11</b>	<b>806.629.11</b>	990.423.00	791.003.00	990.058.00
50,8	12,7	103,7				<b>906.630.11</b>	<b>806.630.11</b>	990.423.00	791.003.00	990.058.00
<b>10 pcs. in masterpack</b>										
25,4	9,5	68,2		<b>806.095.11-X10</b>						
25,4	12,7	70,7		<b>806.127.11-X10</b>			<b>806.627.11-X10</b>			
38,1	12,7	94					<b>806.629.11-X10</b>			

**Spare parts** 991.057.00 3/32" hex key for screw (990.058.00)  
991.062.00 2,5mm hex key for screw (990.004.00)

# Flush trim bit set

## 806

Indispensable in any shop, the new 3 piece flush trim bit set gives you the option to trim laminates or do template work conveniently.



Drawings are 1:1 scale

DESCRIPTION	BITS SIZES mm	ORDER NO. S=Ø6,35mm
Flush trim bit set	9,5x12,7 - 9,5x25,4 - 19x25	<b>806.001.11</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

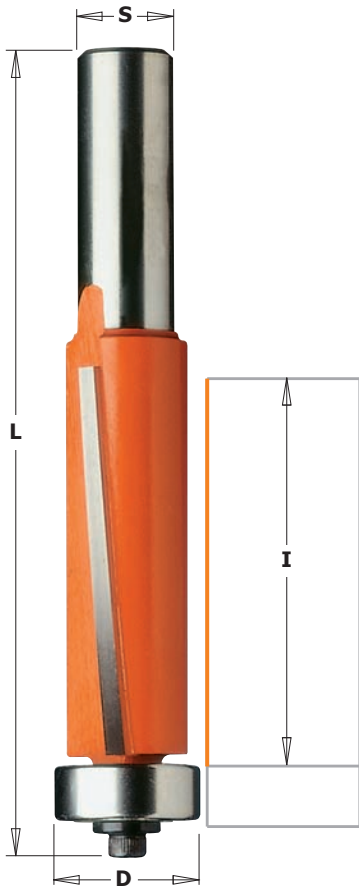
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Super-duty flush trim bits

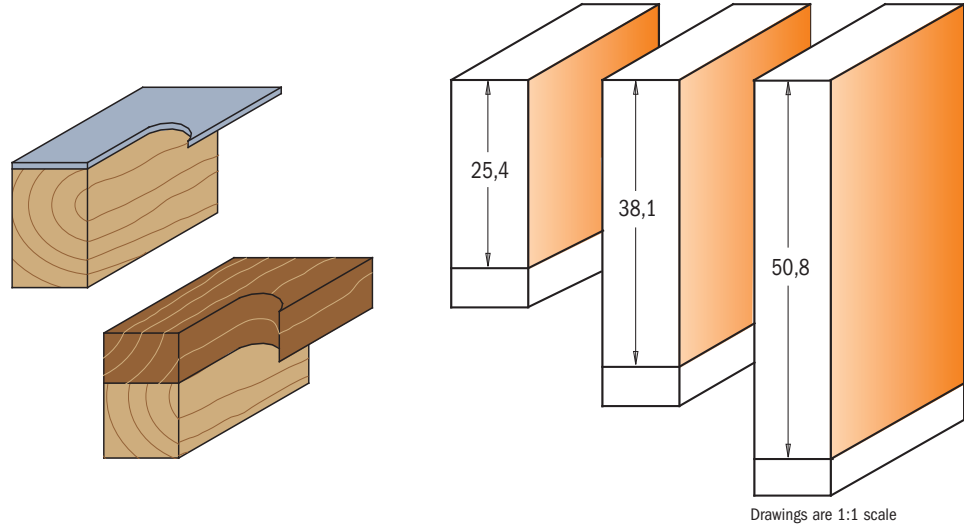


**7/8/906**



These new super duty bits represent the finest of the extensive line of CMT flush trim bits with ball bearing guides. A negative shear angle cutting edge and 19mm cutting diameter set CMT flush trim bits apart from standard bits. Work quickly and safely to get a superior finishing with absolute minimal chipping.

**Safety tips:** dust and chips from laminate materials are hazardous to your health and safety. Always wear a dust mask and eye protection when routing.

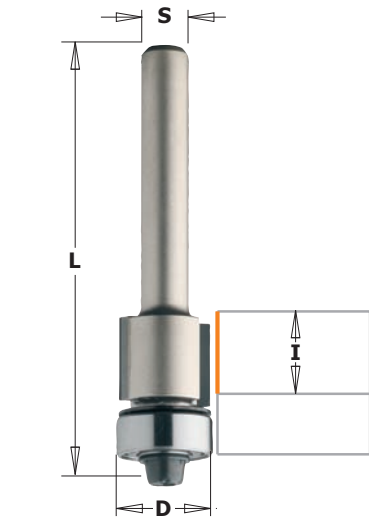


Drawings are 1:1 scale

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	Spare parts		
25,4	19	73,9	<b>706.191.11</b>	<b>806.191.11</b>	<b>906.191.11</b>					
25,4	19	80,2				<b>906.691.11</b>	<b>806.691.11</b>	791.004.00	541.550.00	990.058.00
38,1	19	92,9				<b>906.692.11</b>	<b>806.692.11</b>	791.004.00	541.550.00	990.058.00
50,8	19	105,6				<b>906.690.11</b>	<b>806.690.11</b>	791.004.00	541.550.00	990.058.00

**Spare parts** 991.057.00 3/32" hex key

# DP Flush trim bits for laminates

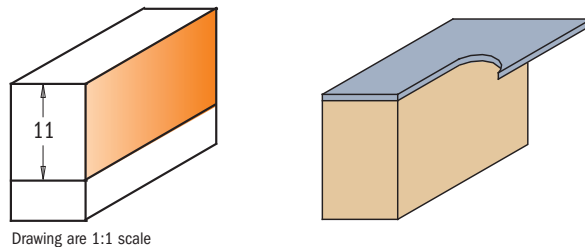


**7/8/906 X-TREME**



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 to save time and money, as they last at least 40 times longer than conventional carbide tipped flush trim bits.

**40X**  
LONGER LIFE  
THAN CARBIDE



Drawing are 1:1 scale

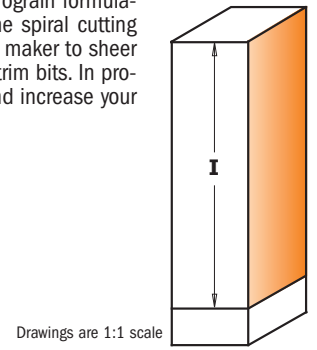
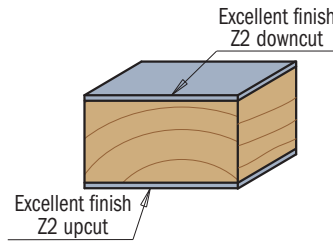
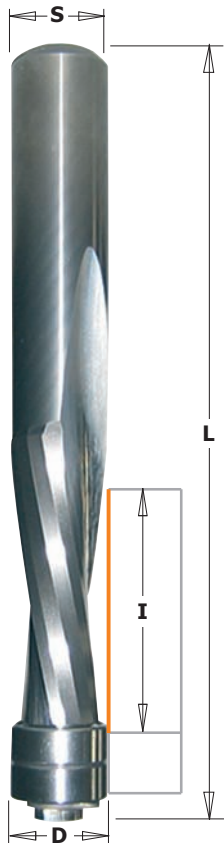
I mm	D mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	Spare parts				
11	12,7	58,1	<b>706.128.61</b>	<b>806.128.61</b>	<b>906.128.61</b>					990.423.00 791.003.00 990.058.00 991.057.00

## Double-bearing spiral flush trim bits



### 190B-191B-192B

The new CMT solid carbide spiral flush trim bits are manufactured with a special super-micrograin formulation that has increased hardness with a higher transverse rupture point. Combined with the spiral cutting angle, the new CMT solid carbide spiral flush trim bits with double bearing allow the cabinet maker to shear wood and wood products cleanly, providing more efficient chip ejection than standard flush trim bits. In production settings these new bits will run cooler and the edges will stay sharper, last longer and increase your shop productivity.



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts	
<b>Z2+2 upcut &amp; downcut spiral bit</b>								
12,7	42	114			<b>190.127.11B</b>	<b>190.508.11B</b>	791.010.00	541.301.00
<b>Z2 upcut spiral bit</b>								
6,35	25,4	76,2	<b>191.064.11B</b>	<b>191.008.11B</b>			791.035.00	541.350.00
12,7	31,7	89				<b>191.505.11B</b>	791.010.00	541.301.00
12,7	50,8	114			<b>191.127.11B</b>	<b>191.507.11B</b>	791.010.00	541.301.00
<b>Z2 downcut spiral bit</b>								
12,7	31,7	89				<b>192.505.11B</b>	791.010.00	541.301.00
12,7	50,8	114			<b>192.127.11B</b>	<b>192.507.11B</b>	791.010.00	541.301.00

## 3-in-1 flush trim bit for laminates

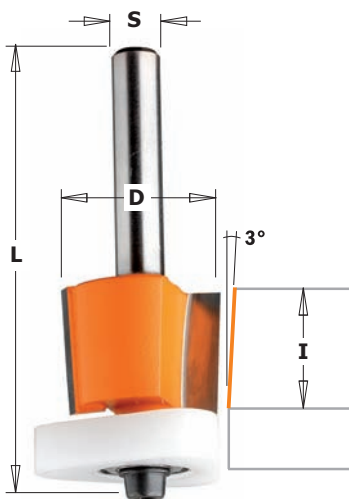


### 7/8/907

The new 3-in-1 flush trim bits with Delrin® triangular bearings is your best partner for laminate trimming. In fact it solves 3 of the most common problems that may occur during flush trimming in cabinet shops:

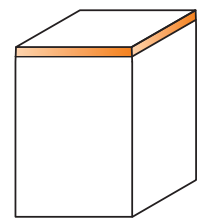
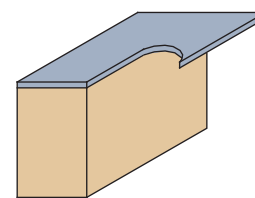
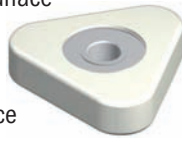
- 1) the freezing of the bearings from glue; in fact the Delrin® with his anti-stick properties greatly reduces the likelihood of bearing failure;
- 2) the extended guide surface of the new Delrin® bearing will perfectly match the work surface without scratching like the steel bearing and guarantees the 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 on aluminium laminates!



#### Patent pending

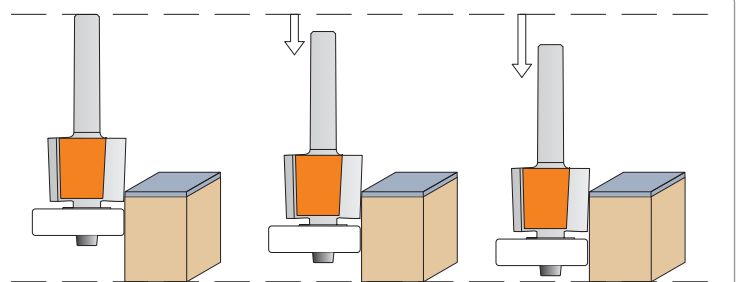
- extended guide surface
- non freezing
- non scratch surface



Drawing are 1:1 scale

#### Perfect trimming with the conical edges!

Thanks to the innovating conical edges of this bit you will always get perfect cuts even after resharpening. In fact the most popular problem you have with the standard flush trim bits is the undersize diameter after resharpening, which leaves the mark on the material; now with the new CMT construction you could resharpen up to six times without any problem. Remember to adjust your bit up or down as illustrated.



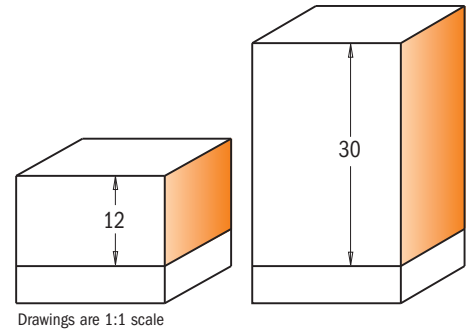
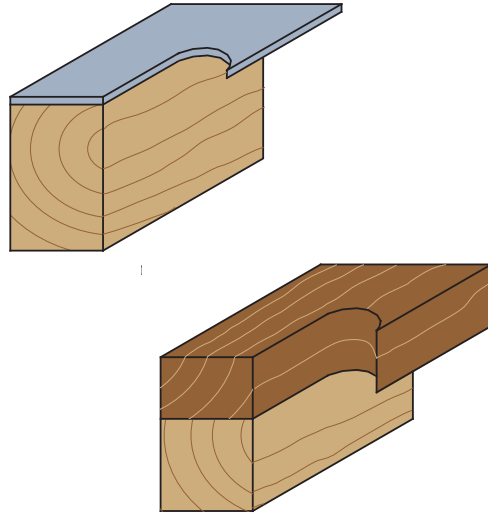
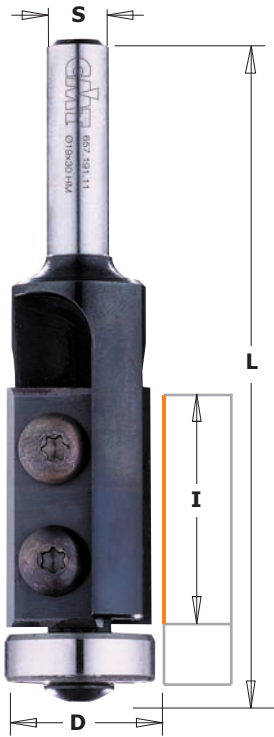
I mm	D mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts			
12,7	12,7	54,2	<b>707.128.11</b>	<b>807.128.11</b>	<b>907.128.11</b>					
15,87	19	59,3	<b>707.190.11</b>	<b>807.190.11</b>	<b>907.190.11</b>		990.422.00	791.042.00	990.058.00	991.057.00
15,87	19	65,7				<b>807.690.11</b>	990.423.00	791.043.00	990.058.00	991.057.00
							990.423.00	791.043.00	990.058.00	991.057.00

## Flush trim bits with insert knives



### 657.1

Flush trim bits with two replaceable knives fixed by special Torx screws. The blades are 2 sided sharpened and can give extra new edges. Guided flush trim bits type 657 are equipped with the ball bearing guides.



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
19	12	56	<b>657.194.11</b>	<b>657.192.11</b>	<b>657.190.11</b>	
19	30	74	<b>657.195.11</b>		<b>657.191.11</b>	
19	30	87				<b>657.692.11</b>

*Spare parts*

790.120.00	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

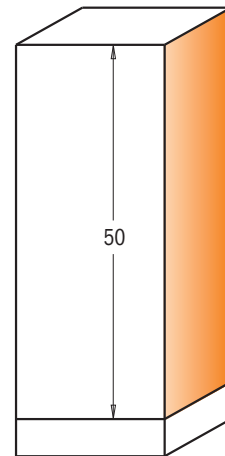
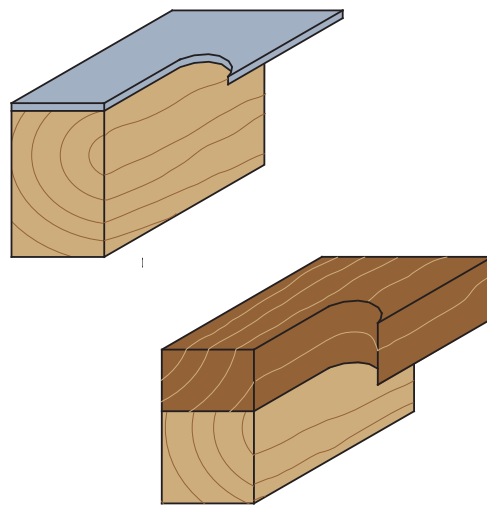
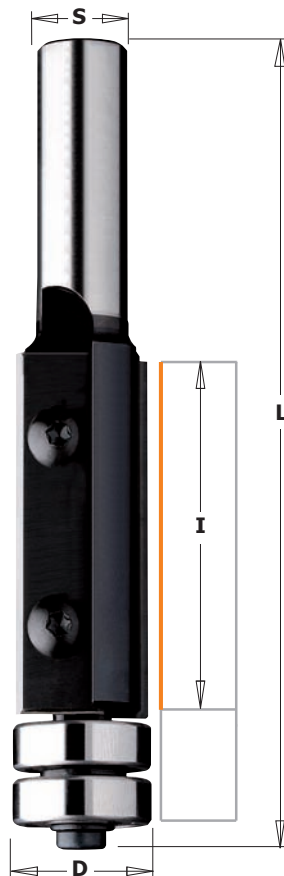
**Spare parts** 990.410.00 Ø4,2/Ø9mm shield for M4 screws  
 990.052.00 M4x6mm TCEI screws  
 991.067.00 3mm hex key

## Flush trim bits with insert knives



### 657.9

Flush trim bits with two replaceable knives fixed by special Torx screws. The blades are 2 sided sharpened and can give extra new edges. Guided flush trim bits type 657 are equipped with the double ball bearing guides.



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	50	112	<b>657.991.11</b>	<b>657.992.11</b>

*Spare parts*

790.500.00	990.075.00	991.061.00	791.007.00

**Spare parts** 990.410.00 Ø4,2/Ø9mm shield for M4 screws  
 991.067.00 3mm hex key

990.052.00 M4x6mm TCEI screws  
 541.514.00 Ø6,4mm shield

# Pattern/Flush trim bits with insert knives

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

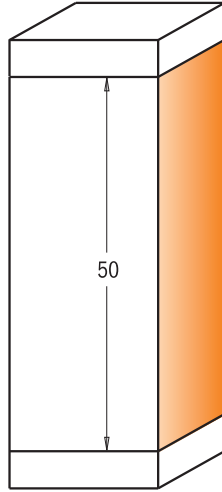
Power Tools & Accessories

Display Cabinets

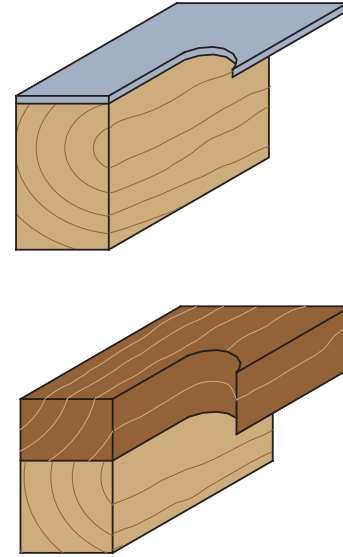


## 657B

Flush trim bit combined with pattern bit fixed by special Torx screws. The blades are 2 sided sharpened and can give extra new edges. Guided flush trim bits type 657 are equipped with the top and bottom ball bearing guides. For flush and finishing operations.



Drawing are 1:1 scale



D	I	L	ORDER NO.
mm	mm	mm	S=Ø12mm
19	50	110	<b>657.993.11B</b>

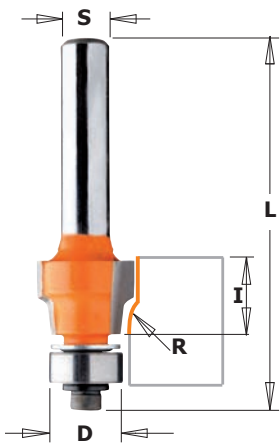
Spare parts

790.500.00	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

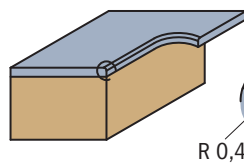
991.061.00 T15 Torx key  
991.056.00 1,5mm hex key

# FILE-FREE Flush trim bits for laminate

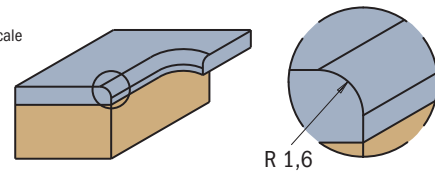


## 807

This new CMT's 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!



Drawing are 1:1 scale

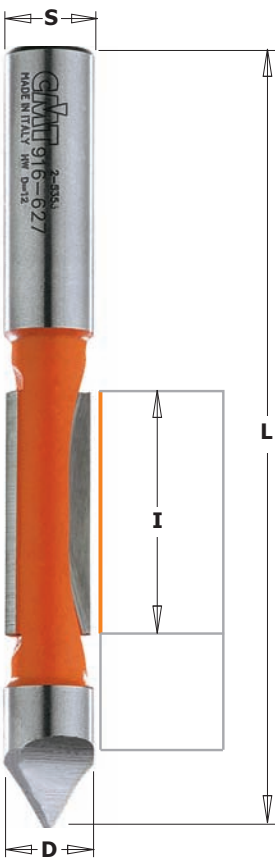


D	I	R	L	ORDER NO.
mm	mm	mm	mm	S=Ø6,35mm
12,7	9,5	0,4	52	<b>807.004.11</b>
12,7	9,5	1,6	52	<b>807.015.11</b>

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

# Panel pilot bits with guide

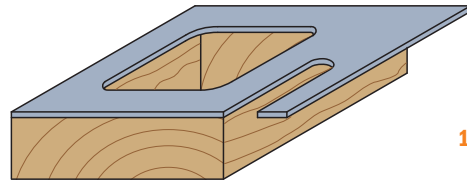


## 7/8/916



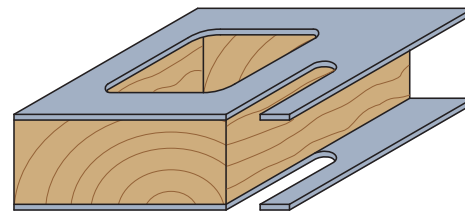
How much time do you end up spending making openings in paneling, drywall, siding, doors or windows? With the CMT panel pilot bit, the job just got quicker. The point plunges smoothly and easily and the carbide edges cut clean and fast. All of this adds up to accurate cuts in less time and with less effort - great for trimming formica, veneer and other laminates.

**Safety Tips:** Always use extra caution when working near electrical outlets and boxes - always disconnect the current. Make sure the bit does not go so deep as to cut the wires.

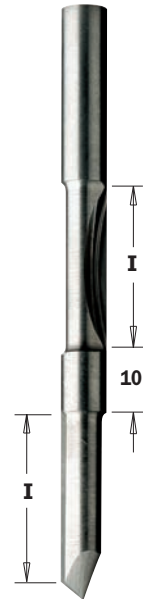


10 pcs. in masterpack

A unique and time saving bit, the CMT Double Panel Pilot Bit is perfect for making openings and slots in veneers and laminates. The lower portion of the cutting edge is located under the bearing and allows you to cut on both sides of the material. Durable carbide tipped cutters are spaced 12mm apart and each cutter can work in stock up to 18mm thick.



## 716.061



• HWM

D mm	I mm	L mm	Z	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
6	19	64	1	<b>716.060.11</b>				
•6	19	60	1	<b>716.060.21</b>				
•6	18+18	70	1+1	<b>716.061.11</b>				
6,35	19	64	1		<b>816.064.11</b>			
8	19	64	1			<b>916.080.11</b>		
9,53	25,4	78	2		<b>816.095.11</b>			
12	31,7	102	2				<b>916.627.11</b>	
12,7	31,7	102	2					<b>816.627.11</b>
<b>10 pcs. in masterpack</b>								
12,7	31,7	102	2					<b>816.627.11-X10</b>

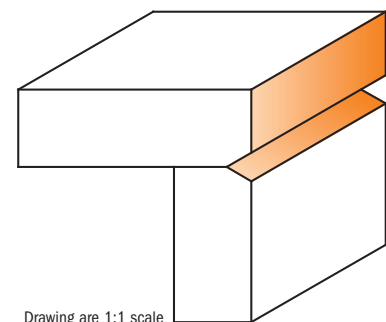
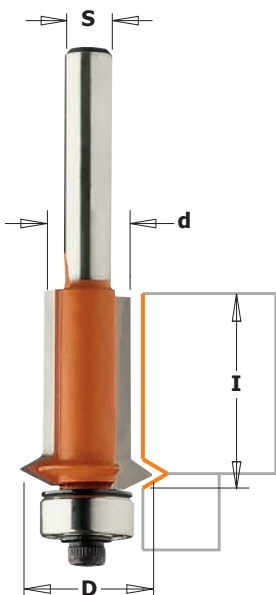
# Panel pilot bits with guide

## 7/8/953



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 Tip:** For best results, leave less than 3mm overhang on cabinet front frames for easier routing.



Drawing are 1:1 scale

Spare parts



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	<b>753.001.11</b>	<b>853.001.11</b>	<b>953.001.11</b>	<b>953.501.11</b>	<b>853.501.11</b>

990.423.00	791.003.00	990.058.00	991.057.00
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# The CMT grand rabet set



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

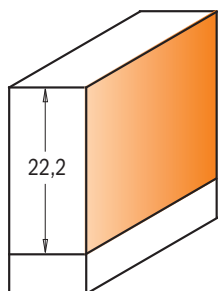
Spare Parts

Power Tools & Accessories

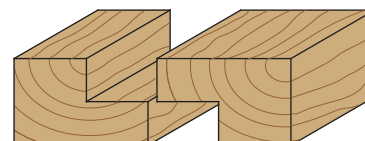
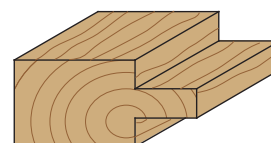
Display Cabinets

## 8/935.503

Your choice of "The Grand Rabet" 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 rabet sizes including rabbets for under-size plywood applications. For rabet sizes over 12,7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved. Available in 12 and 12,7mm shanks.



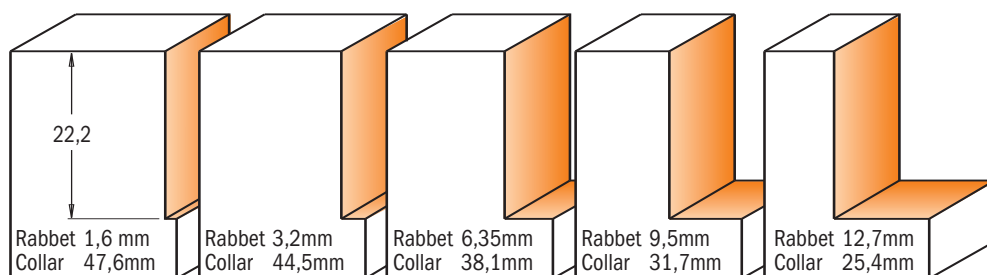
Collar order no. 799.517.00



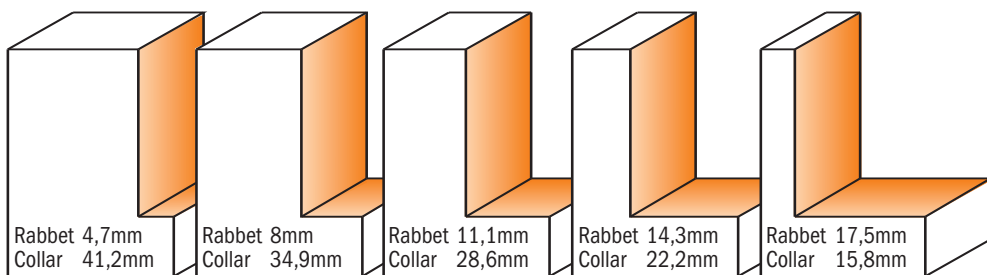
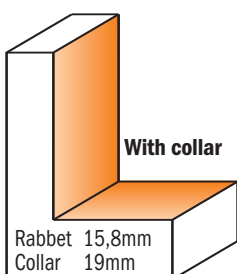
## 8/935.990



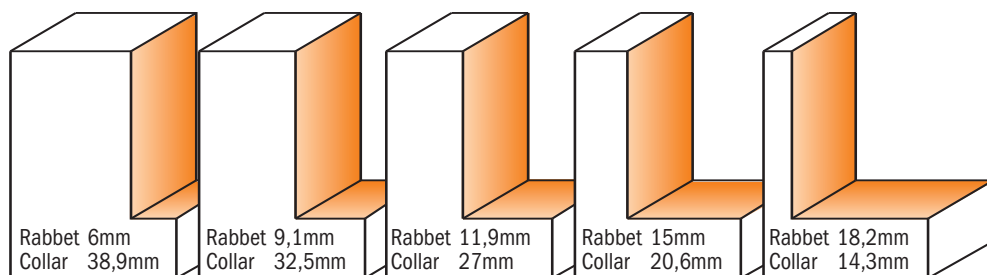
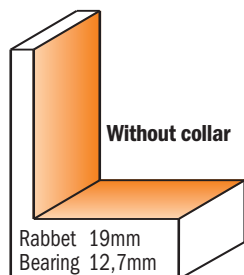
Order no. 791.705.00



Order no. 791.706.00



Order no. 791.707.00



Drawings are 1:1 scale

DESCRIPTION	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
The CMT grand rabet set (Ø50,8x22,2mm)	<b>935.503.11</b>	<b>835.503.11</b>
<b>SET CONTAINS:</b> The grand rabet (bit only) with collar Ø19mm	<b>935.990.11</b>	<b>835.990.11</b>
5 pcs. collar set (1,6 - 3,2 - 6,35 - 9,5 - 12,7mm rabbets)		<b>791.705.00</b>
5 pcs. collar set (4,7 - 8 - 11,1 - 14,3 - 17,5mm rabbets)		<b>791.706.00</b>
5 pcs. collar set (6 - 9,1 - 11,9 - 15 - 18,2mm rabbets)		<b>791.707.00</b>
Collar Ø50,8mm		<b>799.517.00</b>
Kit with screw, shields and keys		<b>990.452.00</b>

# Rabbeting bits

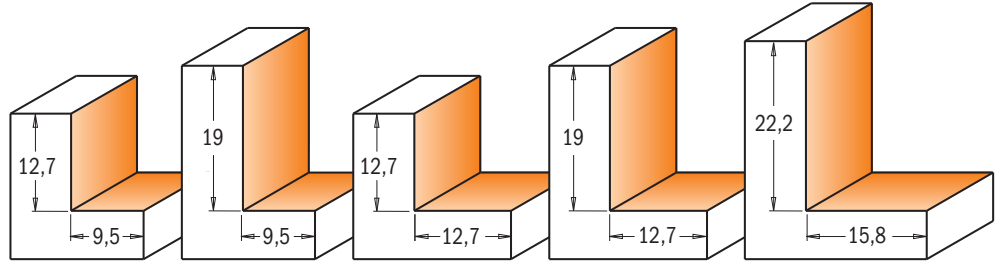


## 7/8/935

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 that before were time consuming and difficult.

You can even re-groove old window frames to fit insulated glass panes with the extra long CMT 19mm (3/4") rabbeting bit.

Other possibilities are illustrated below and on the following pages. Look at our slot cutters and round over bits for ideas on how to put extra finishing touches on all your grooving and rabbeting projects.



Drawings are 1:1 scale

H	D	I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts		
mm	mm	mm	mm	S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm			
9,5	31,7	12,7	58,4	<b>735.317.11</b>	<b>835.317.11</b>	<b>935.317.11</b>			990.423.00	791.003.00	990.058.00
9,5	31,7	12,7	61,2				<b>935.817.11</b>	<b>835.817.11</b>	990.423.00	791.003.00	990.058.00
9,5	31,7	19	64,8	<b>735.318.11</b>		<b>935.318.11</b>			990.423.00	791.003.00	990.058.00
12,7	34,9	12,7	59,4	<b>735.350.11</b>	<b>835.350.11</b>	<b>935.350.11</b>	<b>935.850.11</b>	<b>835.850.11</b>	990.422.00	791.002.00	990.058.00
12,7	34,9	19	65,8				<b>935.851.11</b>	<b>835.851.11</b>	990.422.00	791.002.00	990.058.00
16	50,8	22	77,8				<b>935.990.11</b>	<b>835.990.11</b>	990.408.00	791.010.00	990.058.00

**Spare parts**  
**991.057.00** 3/32" hex key  
**799.503.00** 19,05mm bushings  
**541.514.00** 2mm spacer (8/935.990.11)

# Rabbeting sets



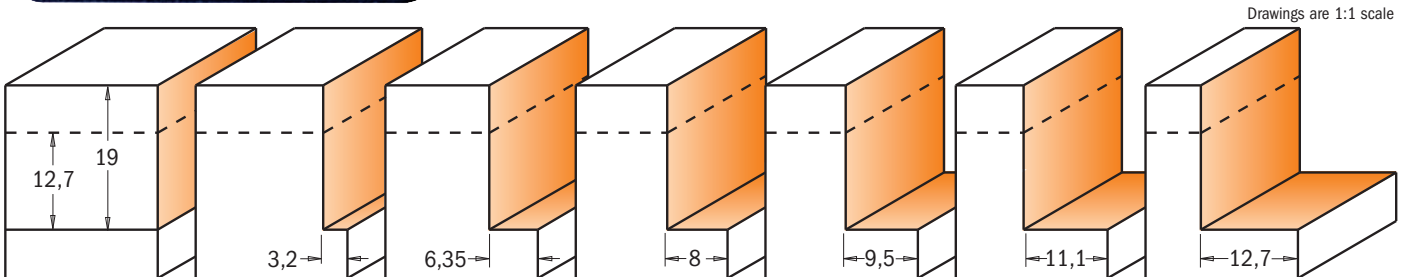
## 7/8/935.001

CMT rabbeting sets allow you to make a limitless number of cuts by adjusting the cutting height on your router and changing the bearing on the bit.



**791.703.00**

**BE SURE** to keep the black bearing washer right side up to correspond with the bearing rotation when re-assembling the bearing. Improper re-assembly can cause the screw to come loose. Each set comes complete with one rabbeting bit and six interchangeable ball bearing guides.



Drawings are 1:1 scale

H	D	I	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
mm	mm	mm	S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm
0-12,7	34,9	12,7	<b>735.001.11</b>	<b>835.001.11</b>	<b>935.001.11</b>	<b>935.501.11</b>	<b>835.501.11</b>
0-12,7	34,9	19				<b>935.502.11</b>	<b>835.502.11</b>



# Rabbeting bits with insert knives



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

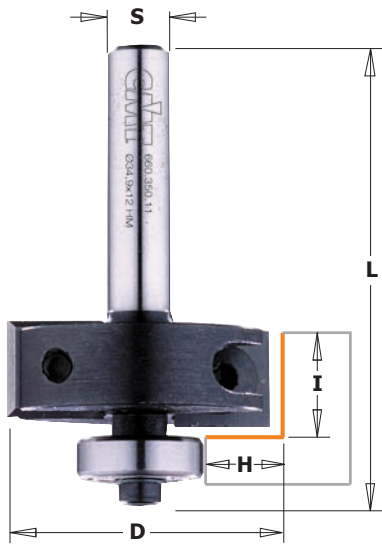
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

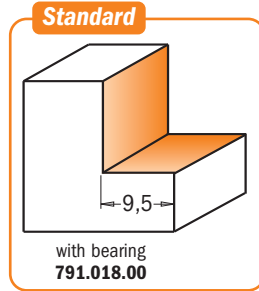
Power Tools & Accessories

Display Cabinets

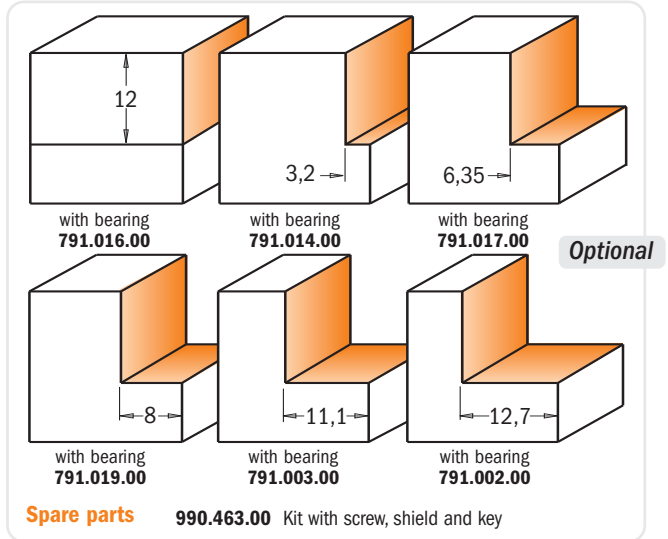


## 660

Rabbeting bits with two replaceable knives fixed by special Torx screws. The blades are 4 sided sharpened and gives high economy of your work with board materials. Rabbeting bits are equipped with the ball bearing guides for rabbeting width H= 9,5mm. Optionals you can choose bearings for rabbeting width 12,7 - 11,1 - 8 - 6,35 - 3,2 - 0mm. For chipboards, hard wood or MDF. For use on portable Routers.



Drawings are 1:1 scale



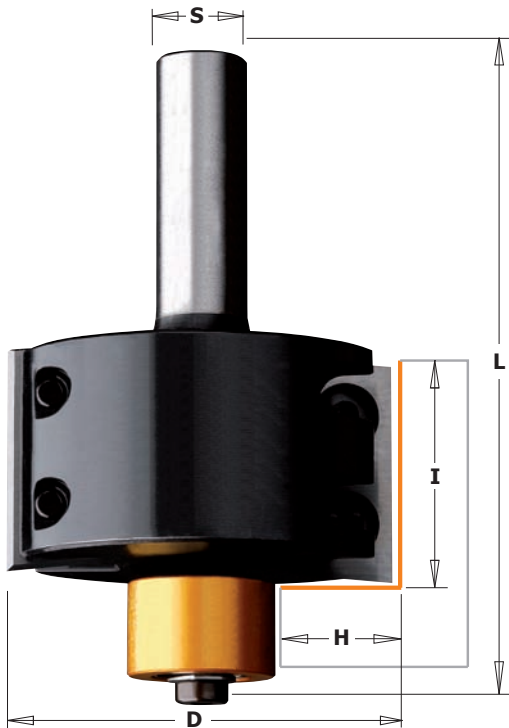
H mm	D mm	I mm	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
9,5	34,9	12	55	660.351.11	660.350.11	
9,5	34,9	12	65			660.851.11

Spare parts

790.120.00	990.075.00	991.061.00	791.018.00
790.120.00	990.075.00	991.061.00	791.018.00

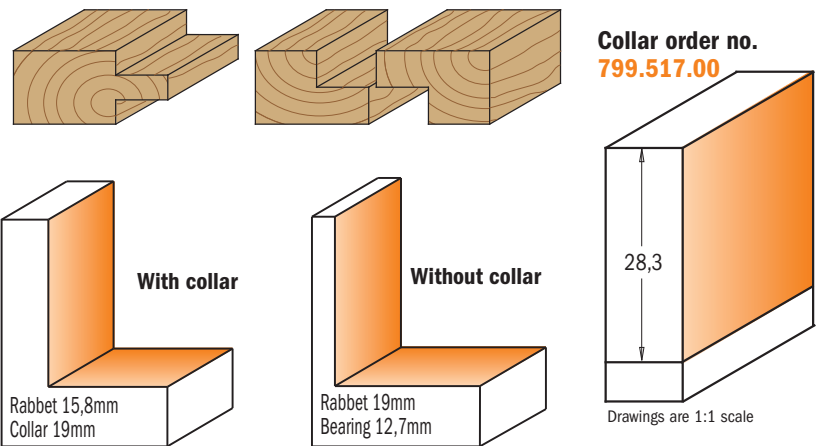
Spare parts 990.400.00 Ø3.2/Ø7mm shield for M3 screw 990.051.00 M3x6mm TCEI screws 990.054.00 M3x16mm TCEI screws  
541.552.00 Ø3.25/Ø15.8mm shield for M3 screw 990.053.00 M3x10mm TCEI screws 991.062.00 Hex key 2,5mm

# Grand rabbeting bits with insert knives



## 660.9

Your choice of "The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will deliver years of reliable service under normal use. The collar sets (791.705.00-791.706.00-791.707.00) will enable you to produce 17 different rabbet sizes including rabbets for under-size 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 12 and 12,7mm shanks.



H mm	D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
16	50,8	28,3	87,3	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 Collar for flush trim Ø50,8mm 791.705.00 5 pcs. collar set (1,6-3,2-6,35-9,5-12,7mm rabbets) 791.706.00 5 pcs. collar set (4,7-8-11,1-14,3-17,5mm rabbets) 791.707.00 5 pcs. collar set (6-9,1-11,9-15-18,2mm rabbets)

# Keyhole bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

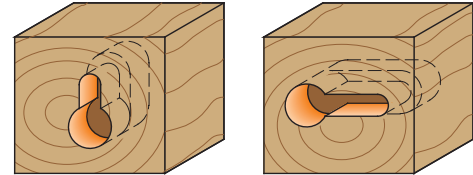
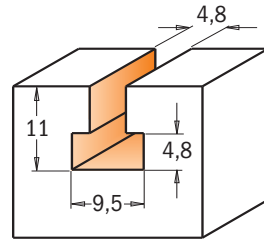
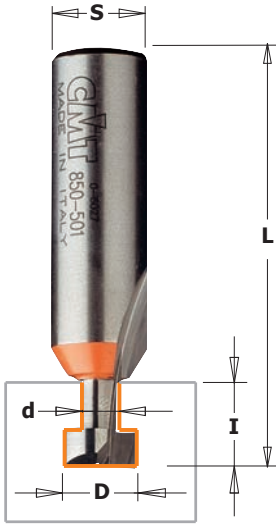


## 7/8/950.001

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 bit bores an entry hole in the wood, then proceeds to cut a 4,8mm hole and finishes by boring a larger opening under the surface. The perfect way to securely mount wall hangings on screws and nails.

**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.



Drawing are 1:1 scale

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
9,5	4,8	11	54	<b>750.001.11</b>	<b>850.001.11</b>	<b>950.001.11</b>	<b>950.501.11</b>	<b>850.501.11</b>

# T-Slot bits

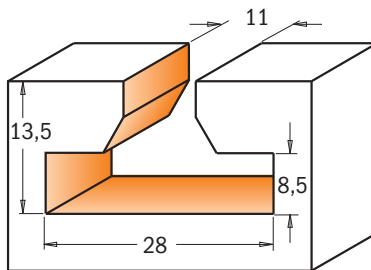
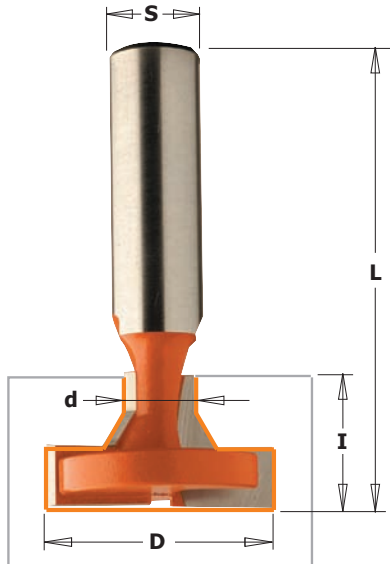


## 8/950.6

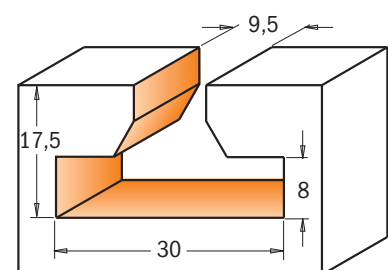
With the CMT keyhole bit you can make holes that keep your frames, plaques or any wall hanging perfectly straight and attached to the wall. The bit bores an entry hole in the wood, then proceeds to cut a 4,8mm hole and finishes by boring a larger opening under the surface. The perfect way to securely mount wall hangings on screws and nails.

**Safety Tips:** be sure the workpiece is securely fastened to the router table or work bench.

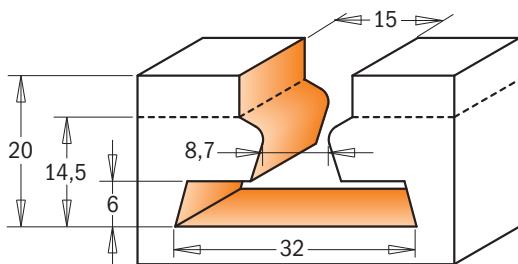
**Shop Tips:** recommended for use with a plunge router.



8/950.603

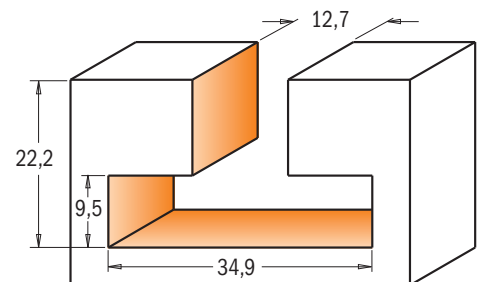


8/950.601



950.604

Drawings are 1:1 scale

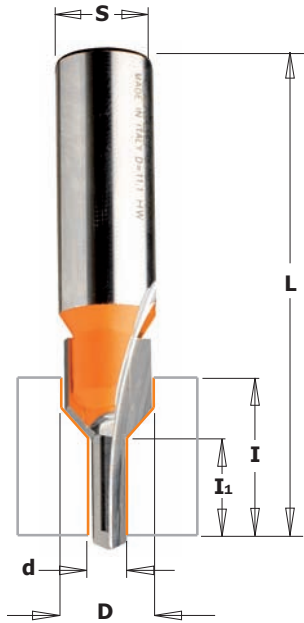


8/950.602

D mm	d mm	I mm	L mm	Z	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
28	11	13,5	56,3	2	<b>950.603.11</b>	<b>850.603.11</b>
30	9,5	17,5	60,3	2	<b>950.601.11</b>	<b>850.601.11</b>
32	8,7-15	20	66	1+1	<b>950.604.11</b>	
34,9	12,7	22,2	63,5	2	<b>950.602.11</b>	<b>850.602.11</b>

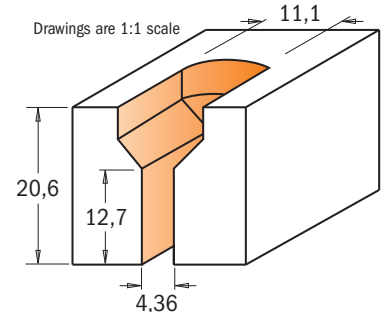
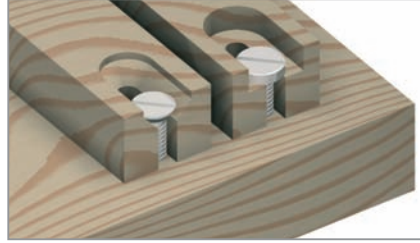


## Screw slot bits



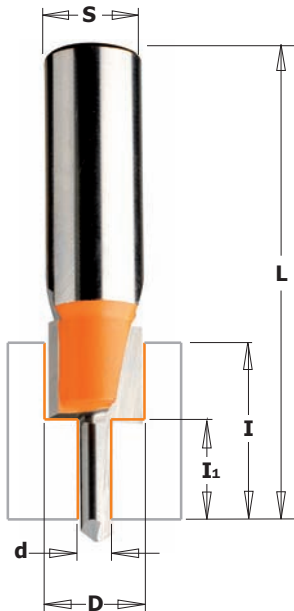
### 813.701 - 913.201

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.



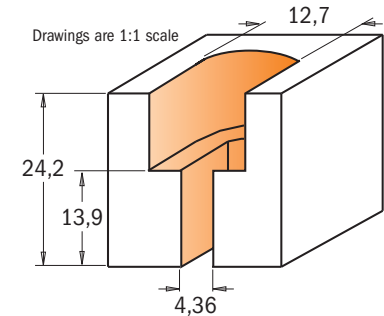
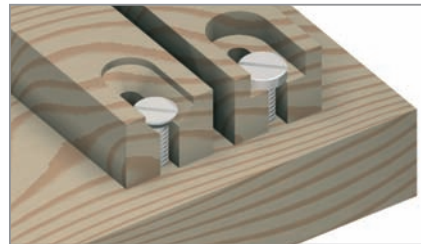
D mm	d mm	I <sub>1</sub> mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
11,1	4,36	12,7	20,6	63,5	<b>913.201.11</b>	<b>813.701.11</b>

## Screw slot bits



### 813.601 - 913.101

Both have 8mm or 12,7mm shanks and the codes 913.201.11 and 813.701.11 are for counter-sink screws, while the codes 913.101.11 and 813.601.11 are for counterbored screws.



D mm	d mm	I <sub>1</sub> mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
12,7	4,36	13,9	24,2	63,5	<b>913.101.11</b>	<b>813.601.11</b>

# Three wing slot cutter set



**8/900.506**

Create slots, grooves and rabbets in materials from 3,2mm to 18mm in depth by using the adjustable CMT Three Wing slot cutter set. See chart below for details on spacing and correct cutter combinations. Ideal for biscuit joints and milling perfect tongue and groove joints.

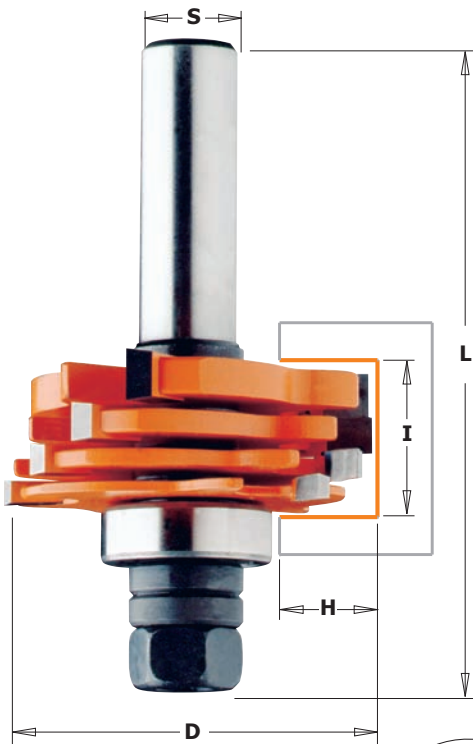
This set includes:

- 4 carbide tipped cutters 3,2mm, 4mm, 4,8mm, 6,4mm
- 1 arbor 12mm or 12,7mm
- 1 ball bearing (22mm) for 12,7mm cut
- 17 shims: (8x0,1mm - 4x0,5mm - 3x1mm and 2x4mm)

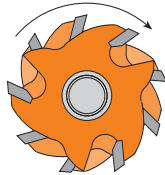
**Safety tips:** Never use the slot cutter set without shims between the cutters.

The distance between the cutters can vary from 1mm to 1,7mm. A shim must also be positioned between the ball bearing and the cutters.

**Shop tips:** The bearings kit **791.711.00** allows to make 6,35 and 9,5mm cutting depth.

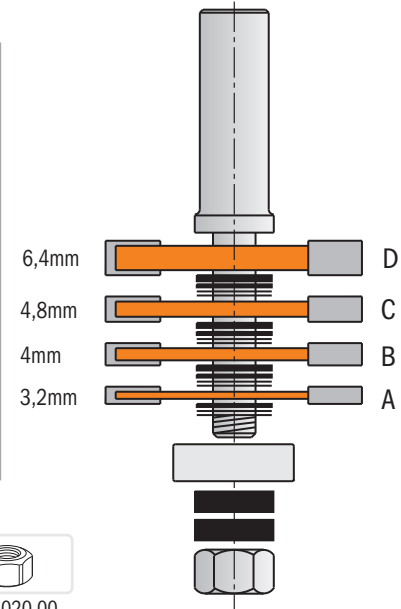


**Note:** The carbide edges of the cutters should never touch; arrange the shims as illustrated below. Use only the thicknesses provided in the set. Be sure all cutters are assembled in the proper right rotational direction below. Looking down the arbor the cutters will turn clockwise.



Cutter combinations	Cutter height mm	mm
A	3,2	
B	4	
C	4,8	
D	6,4	
A + B	6,4	a 7,1
A + C	7,2	a 7,9
A + D	8,8	a 9,5
B + C	8	a 8,7
B + D	9,6	a 10,3
C + D	10,4	a 11,1
A + B + C	10,4	a 11,8
A + B + D	11,9	a 13,3
A + C + D	12,7	a 14,1
B + C + D	13,5	a 14,9
A + B + C + D	15,9	a 18

Use shims to adjust cut width: MIN.1mm - MAX 1,7mm



I mm	D mm	H mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts	
3,2-18	47,6	12,8	81	<b>900.506.11</b>	<b>800.506.11</b>		
						791.005.00	990.020.00

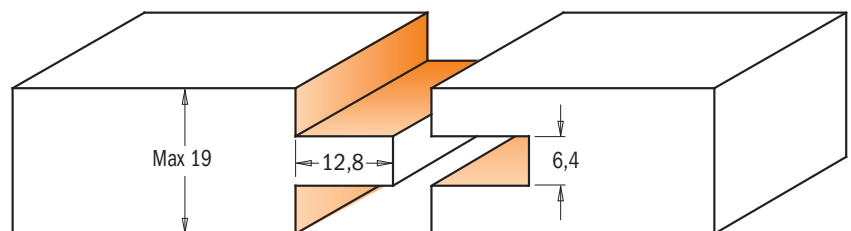
- Spare parts**
- 824.128.00** Ø12,7mm arbor with shims
  - 924.128.00** Ø12mm arbor with shims
  - 541.515.00** 0,1mm spacer
  - 541.517.00** 0,5mm spacer
  - 541.518.00** 1mm spacer
  - 541.501.00** 4mm spacer
  - 791.711.00** Kit of two bearing 28,5mm and 34,9mm for slot cutter

# Tongue and groove set



**8/900.626**

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 thick.



Drawings are 1:1 scale

I mm	D mm	H mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
19	47,6	12,8	71	<b>900.126.11</b>	<b>900.626.11</b>	<b>800.626.11</b>			
							791.005.00	822.364.11	990.020.00

- Spare parts**
- 824.131.00** Ø12,7mm arbor with shims
  - 924.083.00** Ø8mm arbor with shims
  - 924.131.00** Ø12mm arbor with shims
  - 541.515.00** 0,1mm spacer
  - 541.516.00** 0,3mm spacer
  - 541.517.00** 0,5mm spacer
  - 541.518.00** 1mm spacer

# Slot cutters

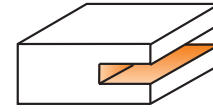
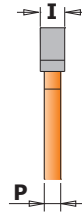
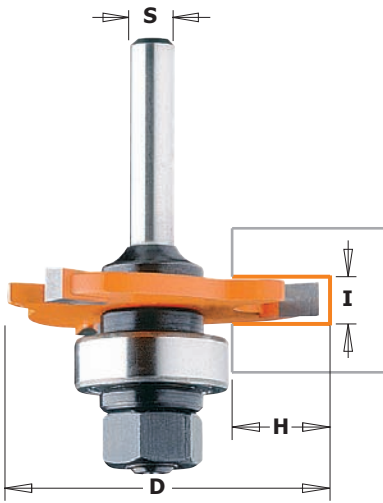


## 7/8/922A/B

Uses for the CMT three wing slot cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints. Every cutter features anti-kickback design, micrograin carbide tips and orange CMT trademark non-stick PTFE coating.

CMT slot cutters are available as a blade only or with your choice of a 6, 8, 12, 6,35 or 12,7mm diameter arbor which includes a 22mm diameter bearing for a cutting depth of up to 12,7mm.

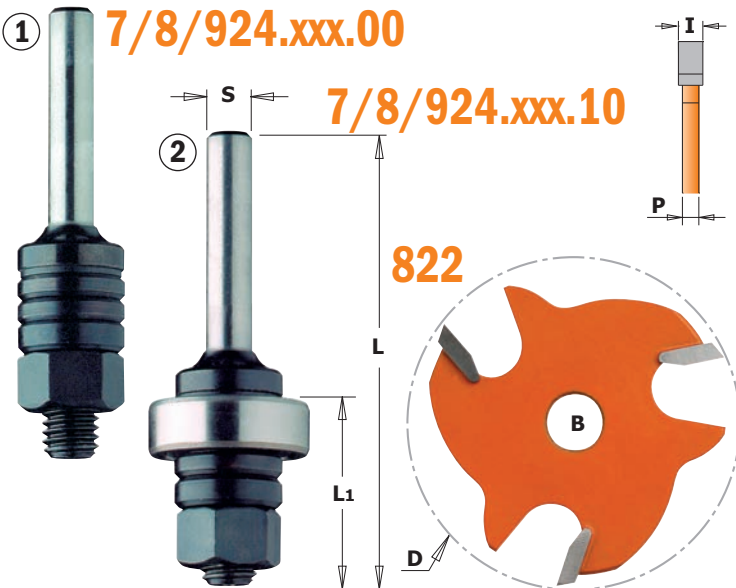
**Note:** For biscuit joints, use l=4mm slot cutter.



Drawing are 1:1 scale

I mm	P mm	D mm	H mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
1,5	1,07	47,6	12,8	<b>722.315.11A</b>		<b>922.315.11A</b>	<b>922.315.11B</b>	
1,6	1,07	47,6	12,8		<b>822.316.11A</b>			<b>822.316.11B</b>
2	1,27	47,6	12,8	<b>722.320.11A</b>	<b>822.320.11A</b>	<b>922.320.11A</b>	<b>922.320.11B</b>	<b>822.320.11B</b>
2,4	1,27	47,6	12,8		<b>822.324.11A</b>			<b>822.324.11B</b>
2,5	1,27	47,6	12,8	<b>722.325.11A</b>		<b>922.325.11A</b>	<b>922.325.11B</b>	
3	1,27	47,6	12,8	<b>722.330.11A</b>		<b>922.330.11A</b>	<b>922.330.11B</b>	
3,2	1,27	47,6	12,8		<b>822.332.11A</b>			<b>822.332.11B</b>
3,5	2,07	47,6	12,8	<b>722.335.11A</b>		<b>922.335.11A</b>	<b>922.335.11B</b>	
4	2,07	47,6	12,8	<b>722.340.11A</b>	<b>822.340.11A</b>	<b>922.340.11A</b>	<b>922.340.11B</b>	<b>822.340.11B</b>
4,8	2,86	47,6	12,8		<b>822.348.11A</b>			<b>822.348.11B</b>
5	2,86	47,6	12,8	<b>722.350.11A</b>		<b>922.350.11A</b>	<b>922.350.11B</b>	
6	4,45	47,6	12,8	<b>722.360.11A</b>	<b>822.360.11A</b>	<b>922.360.11A</b>	<b>922.360.11B</b>	<b>822.360.11B</b>
6,4	4,45	47,6	12,8		<b>822.364.11A</b>			<b>822.364.11B</b>

These three wing carbide tipped Slot Cutters feature anti-kickback three wing blade design and CMT's trademark orange P.T.F.E. Industrial Coating. All cutters feature an 8mm bore that fits CMT's arbors (items 7/8/924).



I mm	P mm	D mm	B mm	ORDER NO.
1,5	1,07	47,6	8	<b>822.315.11</b>
1,6	1,07	47,6	8	<b>822.316.11</b>
1,8	1,27	47,6	8	<b>822.318.11</b>
2	1,27	47,6	8	<b>822.320.11</b>
2,2	1,27	47,6	8	<b>822.322.11</b>
2,4	1,27	47,6	8	<b>822.324.11</b>
2,5	1,27	47,6	8	<b>822.325.11</b>
2,8	1,27	47,6	8	<b>822.328.11</b>
3	1,27	47,6	8	<b>822.330.11</b>
3,2	1,27	47,6	8	<b>822.332.11</b>
3,5	2,07	47,6	8	<b>822.335.11</b>
4	2,07	47,6	8	<b>822.340.11</b>
4,8	2,86	47,6	8	<b>822.348.11</b>
5	2,86	47,6	8	<b>822.350.11</b>
6	4,45	47,6	8	<b>822.360.11</b>
6,4	4,45	47,6	8	<b>822.364.11</b>

DESCRIPTION	L <sub>1</sub> mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
① Slot cutter arbor without bearing	26	61	<b>724.060.00</b>	<b>824.064.00</b>	<b>924.080.00</b>		
① Slot cutter arbor without bearing	26	67,5				<b>924.120.00</b>	<b>824.127.00</b>
② Slot cutter arbor with bearing	26	61	<b>724.060.10</b>	<b>824.064.10</b>	<b>924.080.10</b>		
② Slot cutter arbor with bearing	26	67,5				<b>924.120.10</b>	<b>824.127.10</b>
Slot cutter arbor without bearing, long series	40	86			<b>924.083.00</b>		
Slot cutter arbor with bearing, long series	40	86			<b>924.083.10</b>		

**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

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

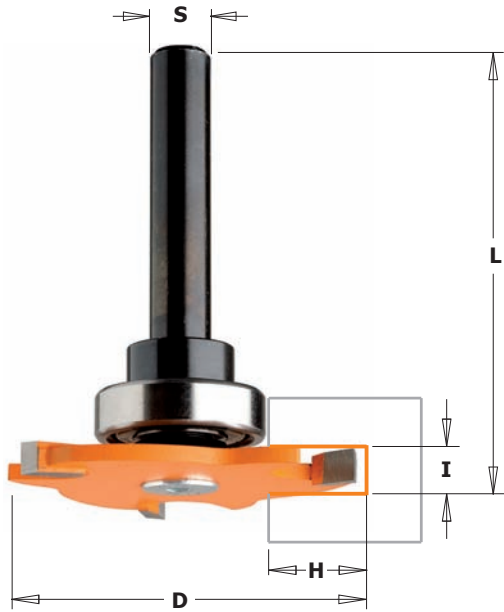
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

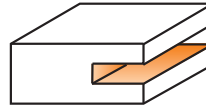
# Slot cutters



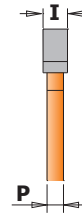
## 923A - 823B



The possible uses of this bit are almost: you can rout grooves and rabbets, T or dovetail joints on wood panels. Each bit has three carbide tipped cutters and has an orange coloured PTFE coating, it features anti-kickback design too. The 22mm bearing is included for a cutting depth of 12,8mm. The bit and the slot cutter are available also separately.

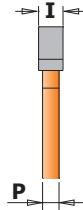
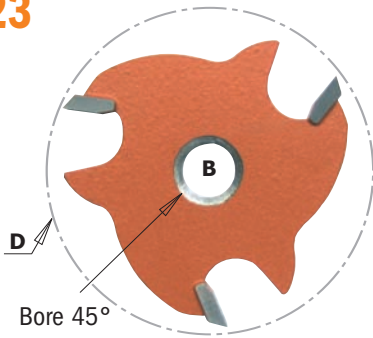


Drawings are 1:1 scale



I mm	P mm	D mm	H mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
3	1,27	47,6	12,8	58	<b>923.330.11A</b>	
3,2	1,27	47,6	12,8	58,2		<b>823.332.11B</b>
4	2,07	47,6	12,8	58,4	<b>923.340.11A</b>	<b>823.340.11B</b>
5	2,86	47,6	12,8	63	<b>923.350.11A</b>	
6,4	4,45	47,6	12,8	64,4		<b>823.364.11B</b>

## 823



These three wing carbide tipped slot cutters feature anti-kickback three wing blade design and CMT's trademark orange PTFE Industrial Coating. All cutters feature an 8mm bore that fits CMT's arbors (items 7/8/924).

I mm	P mm	D mm	B mm	ORDER NO.
3	1,27	47,6	8	<b>823.330.11</b>
3,2	1,27	47,6	8	<b>823.332.11</b>
4	2,07	47,6	8	<b>823.340.11</b>
5	2,86	47,6	8	<b>823.350.11</b>
6,4	4,45	47,6	8	<b>823.364.11</b>

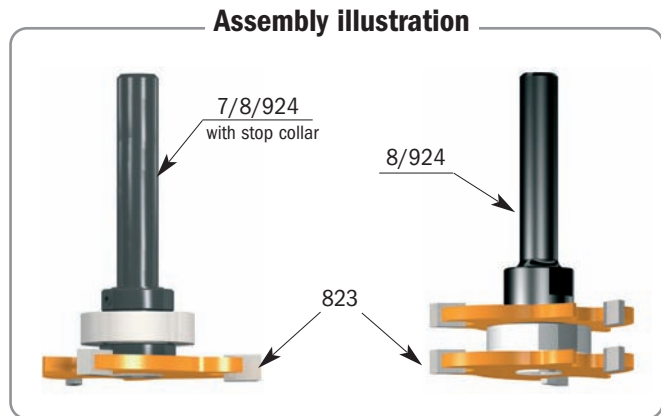
## 7/8/924



with stop collar



## 8/924



DESCRIPTION	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
① Slot cutter arbor without bearing without stop collar	<b>724.061.00</b>	<b>824.061.00</b>	<b>924.081.00</b>	<b>824.121.00</b>
① Slot cutter arbor with bearing and stop collar	<b>724.061.10</b>	<b>824.061.10</b>	<b>924.081.10</b>	<b>824.121.10</b>
② Slot cutter arbor without bearing			<b>924.082.00</b>	<b>824.122.00</b>
② Slot cutter arbor with bearing			<b>924.082.10</b>	<b>824.122.10</b>

**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

# Flooring router bits



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

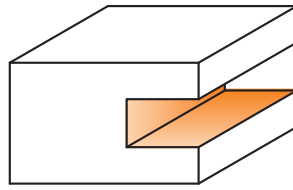
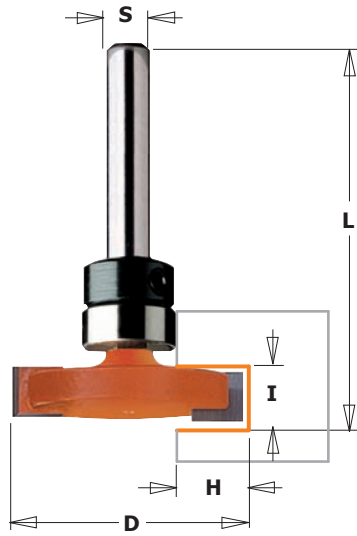
Power Tools & Accessories

Display Cabinets

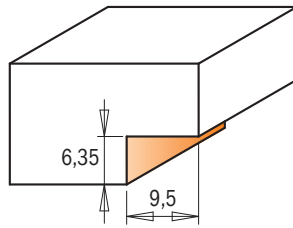


## 822.023B - 024B

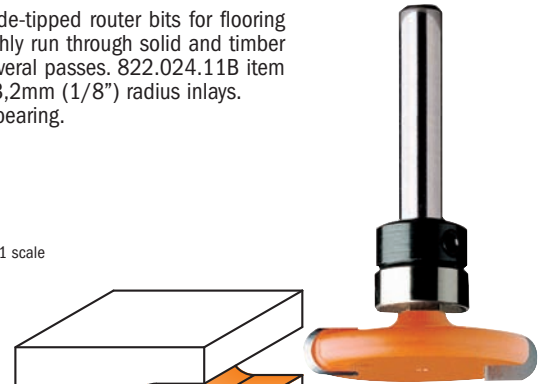
CMT now offers you these industrial quality carbide-tipped router bits for flooring and inlay applications. They can easily and smoothly run through solid and timber wood while cutting edges keep sharp still after several passes. 822.024.11B item number also features rounded edges to produce 3,2mm (1/8") radius inlays. These bits are equipped with a stop collar and a bearing.



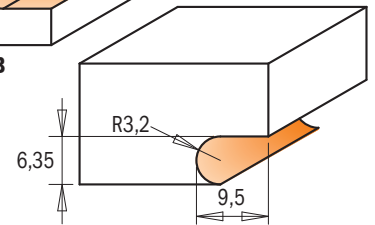
Drawings are 1:1 scale



822.023.11B



822.024.11B



D mm	I mm	H mm	R mm	L mm	ORDER NO. S=Ø6,35mm
31,75	6,35	9,5		47,6	<b>822.023.11B</b>
31,75	6,35	9,5	3,2	47,6	<b>822.024.11B</b>

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

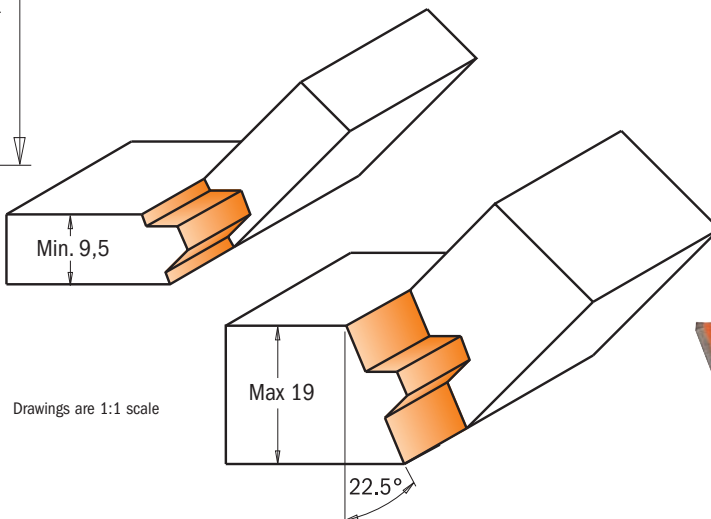
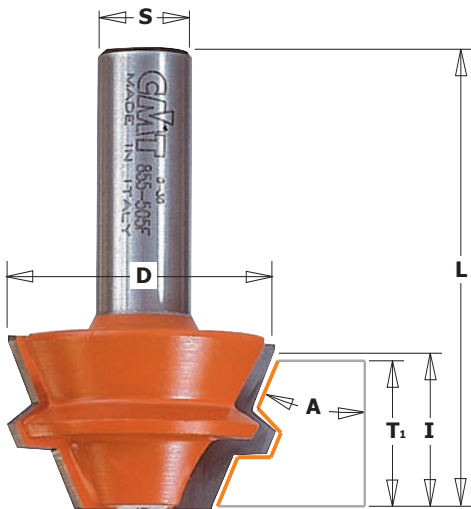
# Lock miter set

## 8/955

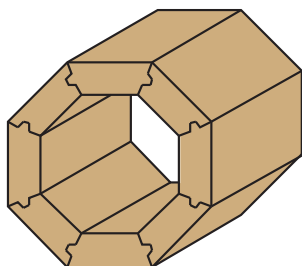


Now you don't have to fight with those awkward clamps on your 22,5° projects. Use this pair of bits to produce octagonal shaped boxes and popular corner cabinetry like corner cabinets for kitchens, entertainment centres, kitchen islands and corner hutches. This 22,5° Lock Miter set provides a strong tight joint when you want to join wood at 45° angles.

Biscuits and splines are time-consuming to make and difficult to clamp. CMT's matched pair of cutters makes set-up easy. Height adjustment is not critical with this matched pair; simply adjust your fence so the top edge of the work piece intersects the angle of the bit where it meets the fence. After your joints are machined they can be glued and assembled and simply clamped by using strapping tape.

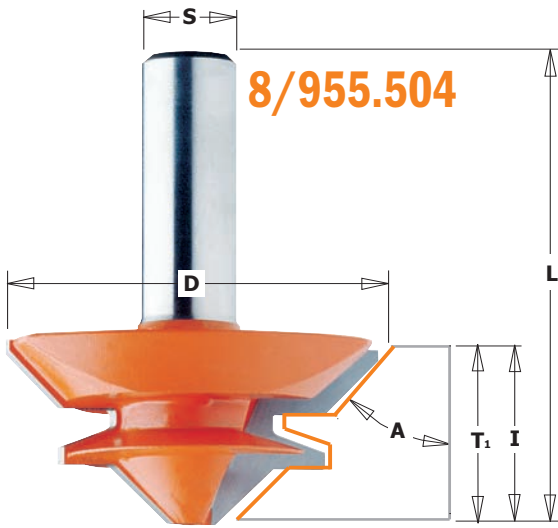


Drawings are 1:1 scale



D mm	I mm	A	T <sub>1</sub> mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
37,3	22,2	22,5°	9,5 ÷ 19	60,3	<b>955.005.11</b>	<b>855.505.11</b>

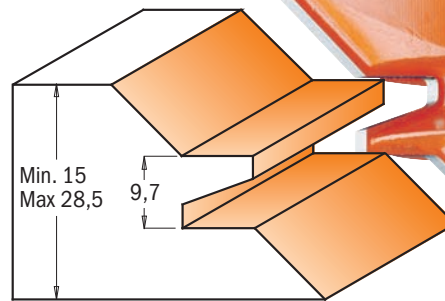
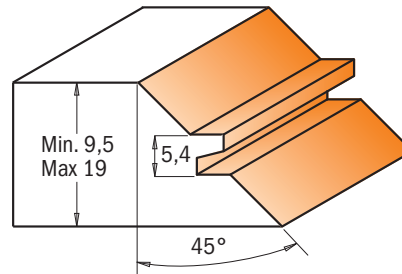
# Lock miter bits



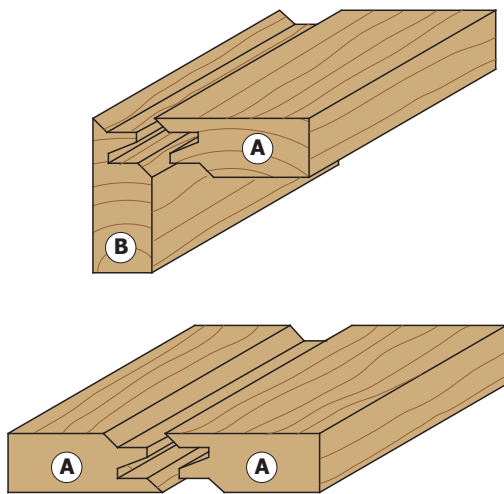
CMT lock miter bits are ideal for milling miter joints in 28,5mm stock. The quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects.

To produce perfectly fitting miter joints, lay one piece with the inside face-down on the work table and the wood centred to the bit. Mill as shown in step 1 of the illustration below. Mill the second piece with the inside face placed vertical to the bit and fence, as shown in step 2.

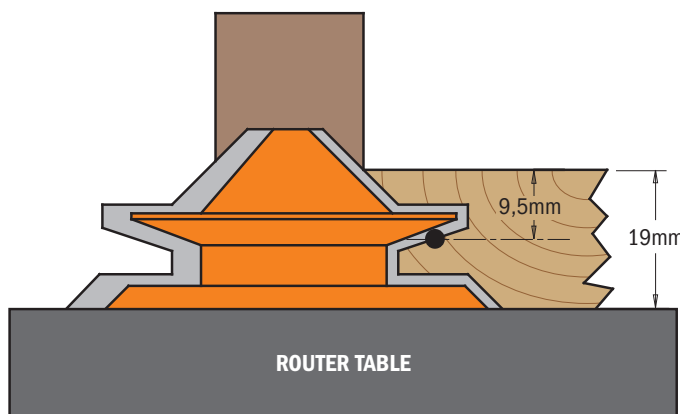
To mill sturdy parallel glue joints follow step 1 shown in the illustration with the inside face of the workpiece laid flat on the table and centred to the bit. To make the second part, lay the workpiece flat on the table and centred to the bit. Mill with the inside face-up.



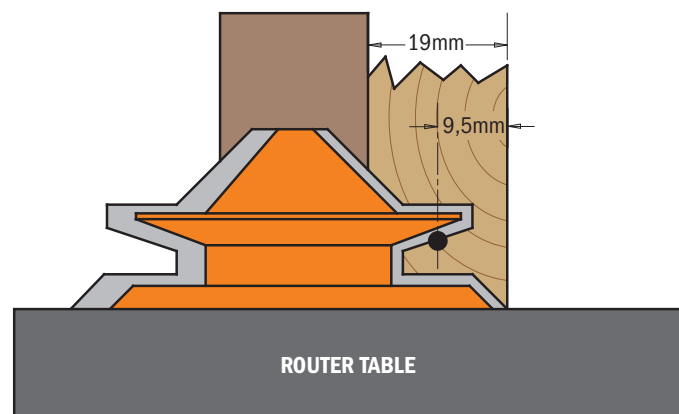
Drawings are 1:1 scale



## For miter and parallel glue joints using 19mm board



**Nr. 1:** Rout one piece with the inside face flat on the router table. Be sure the cut is centred to the stock.



**Nr. 2:** Rout the second piece with the inside face vertical to the fence.

D mm	I mm	A	T <sub>1</sub> mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
70	31,7	45°	15 ÷ 28,5	69,9	<b>955.503.11</b>	<b>855.503.11</b>
50,8	22,2	45°	9,5 ÷ 19	60,3	<b>955.504.11</b>	<b>855.504.11</b>



# Reverse glue joint bits

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

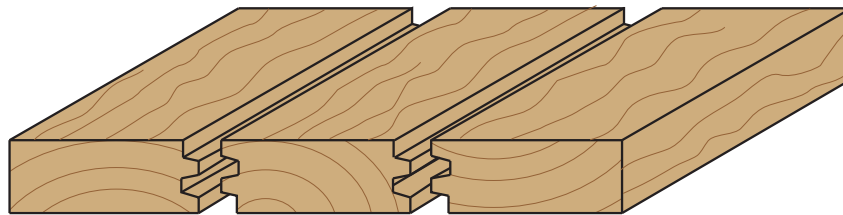
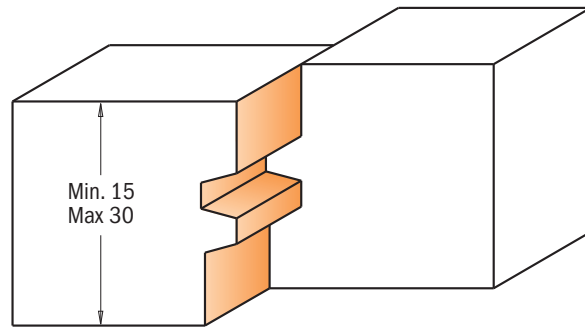
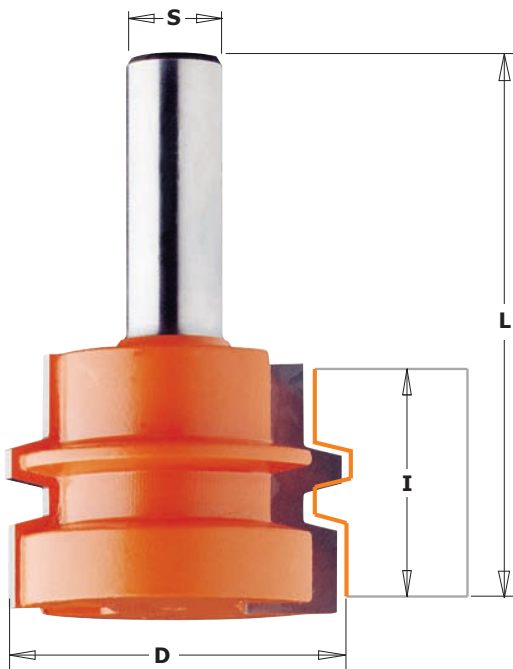
Display Cabinets

**8/955.501**

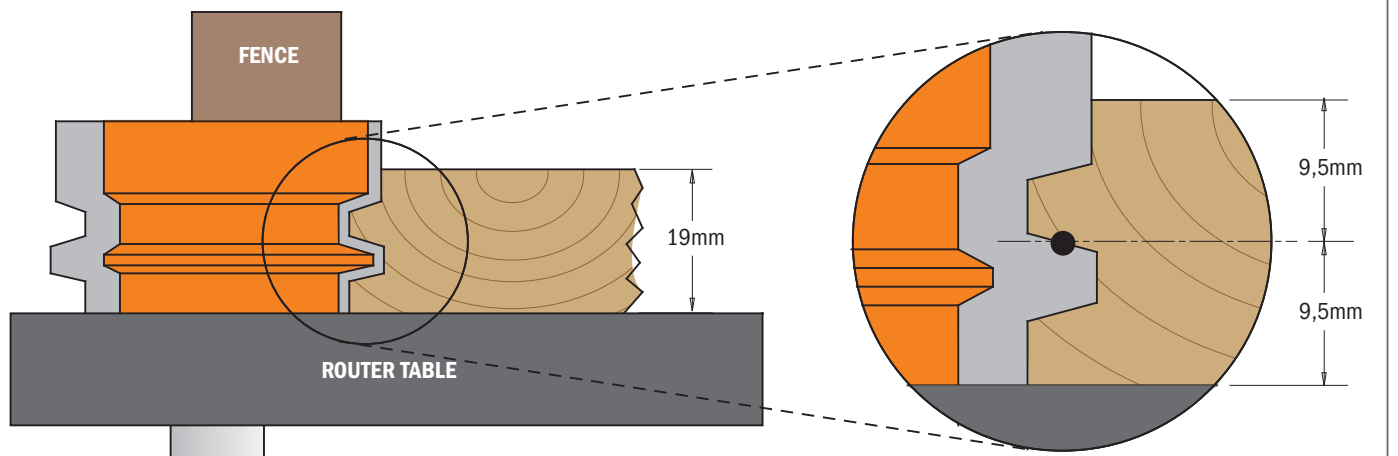


The most unique and important characteristic of this CMT bit is its capacity to produce an almost indestructible glue joint quickly and without error. Ideal for routing wide dimension panels, doors and furniture pieces. By accurately centering the bit to the wood, the upper and lower vertical cutting edges of the bit will cut equal proportions. Simply run one edge of the panel, turn the panel over, and then run the opposite edge - you will produce perfectly harmonized reverse cuts that match up to make flawless 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.



In this example we have used a 19mm board



To accurately centre the wood to the bit: Adjust the bit according to the thickness of the wood you are cutting. Line up the cut edge of the wood to the centre point of the bit as illustrated in the enlarged drawing. The upper and lower vertical cutting edges of the bit are in proportion and at an equal distance from the centre point of the bit. Run one cut edge of the wood, turn the piece over and run the other edge for exact reverse cuts that match up perfectly. Assemble the reverse cut pairs together for beautiful, strong joints.

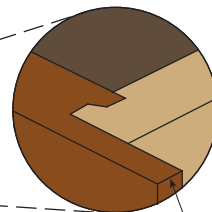
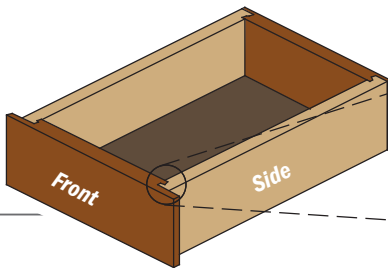
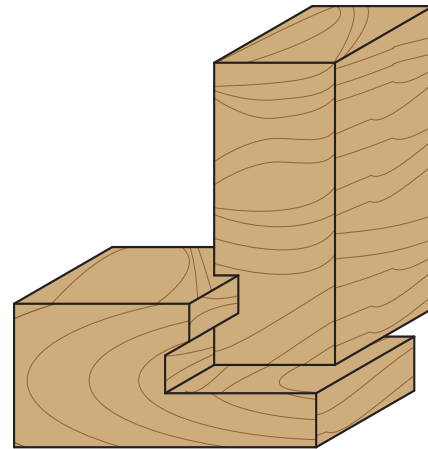
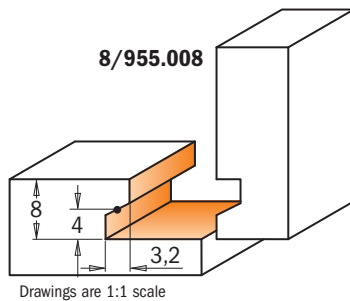
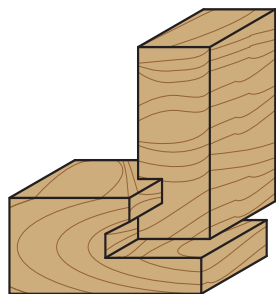
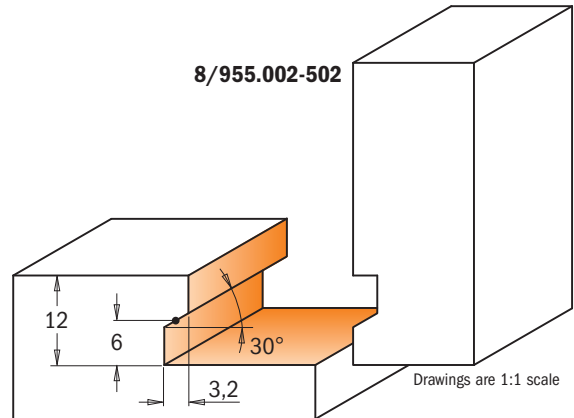
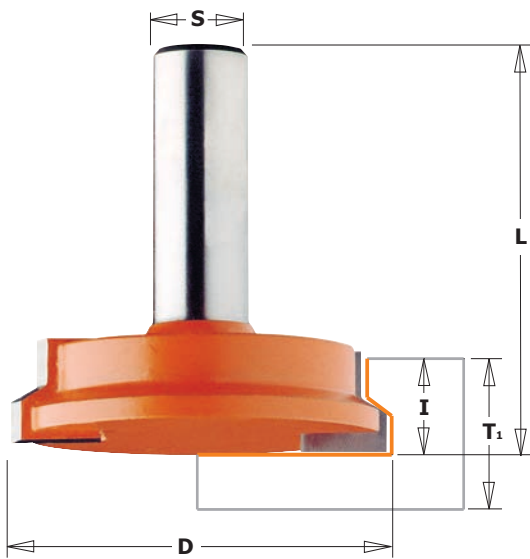
D mm	I mm	T <sub>1</sub> mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm
44,4	32	15 - 30	70,1	<b>955.501.11</b>	<b>855.501.11</b>

# Drawer lock bits

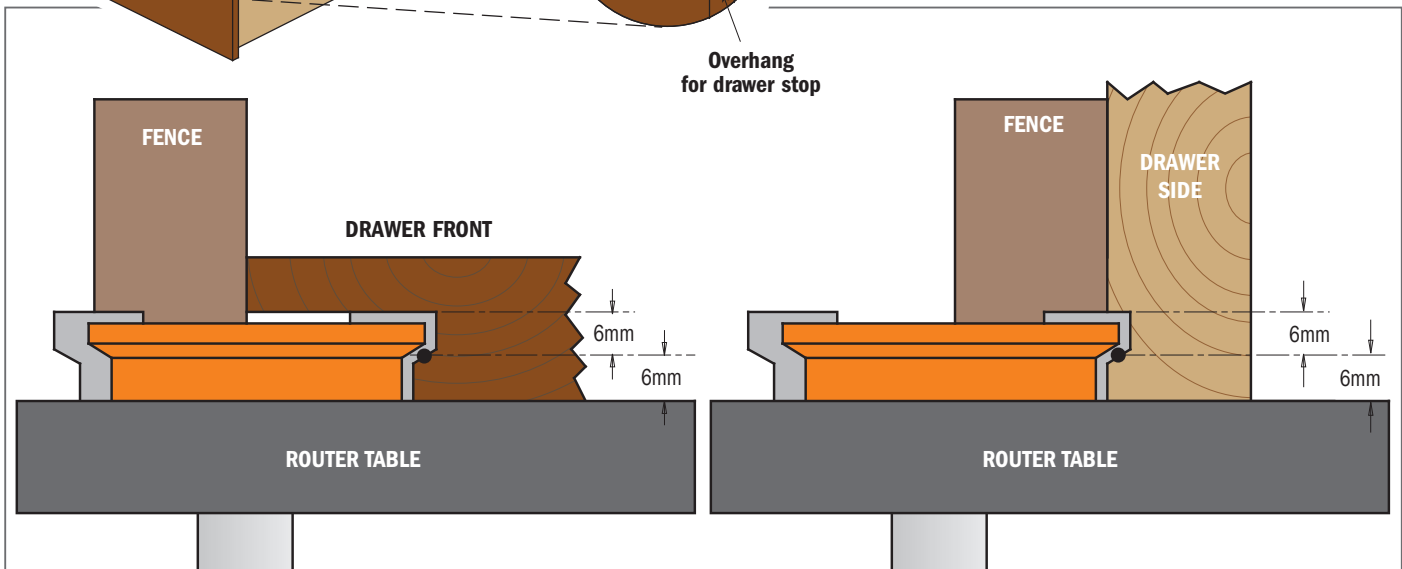
**855.508 - 955.008**  
**7/8/955.002 - 8/955.502**



The key to success when constructing quality drawers is in the quality of the drawer lock bit you use. With CMT drawer lock bits you can make strong, perfectly fitting joints quickly and easily. As illustrated below, mill the drawer front with the inside face-down on the work table. Mill the sides of the drawer with the inside face placed vertical to the bit and fence, and perpendicular to the table. These bits are to be used on router tables only and are not to be used on hand-held routers.



Overhang for drawer stop



D	T <sub>1</sub>		I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
mm	min. mm	max. mm	mm	mm	S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm
25,4	9,5	15,87	12,7	54			<b>955.008.11</b>		
25,4	9,5	15,87	12,7	60,4					<b>855.508.11</b>
31,7	15,87	25,4	12,7	44,5	<b>755.002.11</b>	<b>855.002.11</b>	<b>955.002.11</b>		
50,8	15,87	25,4	12,7	50,8				<b>955.502.11</b>	<b>855.502.11</b>

# V-Tongue and groove set



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

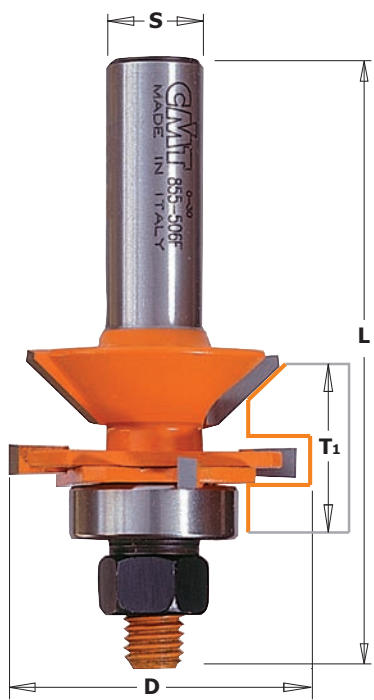
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

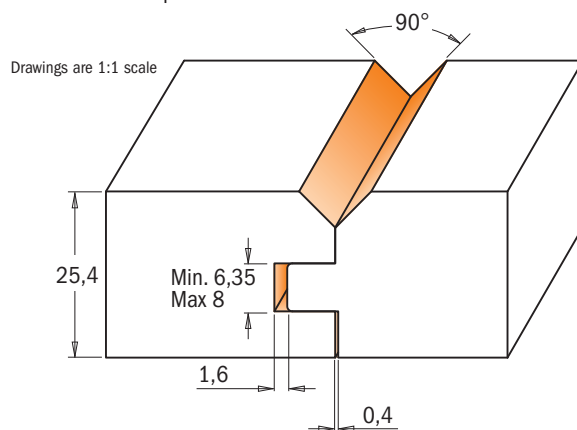


8/955.506



If the standard selection of molding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then look to CMT's molding 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 moldings. 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	T <sub>1</sub> mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
44,4	19÷25,4	75,5	955.506.11	855.506.11

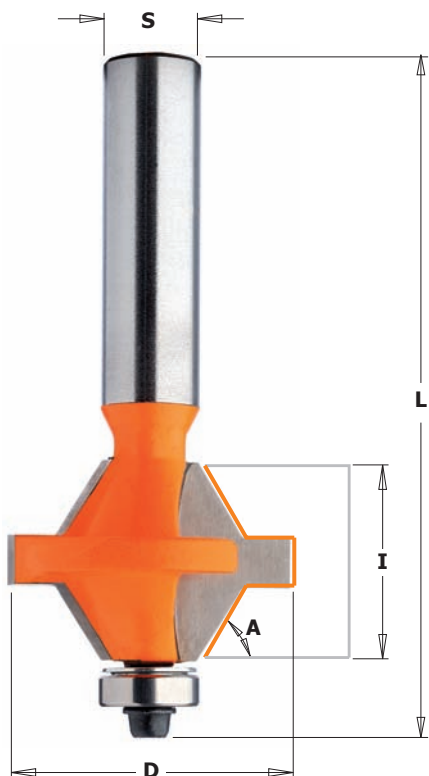
Spare parts

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

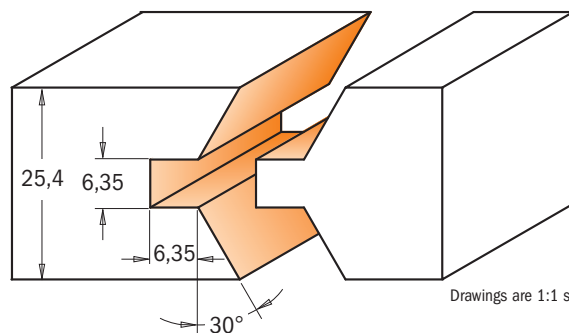
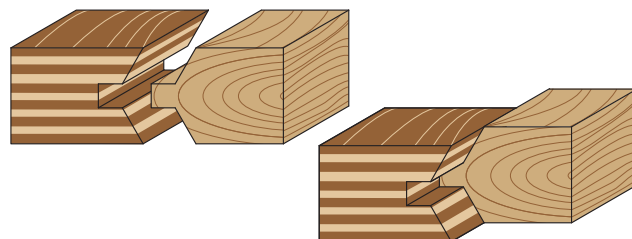
# Edge Banding bits set



8/955.510



This is a great set to create economical but attractive and durable edge to your cabinet doors. Use 1/2" or 1" thick panels in plywood or MDF and create your own edge banding from the wood of your choice. Easy to use: just center each cutter on the stock and make the cut; glue together the two pieces and flush trim it after assembly if necessary. The set features a 60° tongue & groove for a large surface area for glue.



Drawings are 1:1 scale

D mm	I mm	A	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
40	25,4	30°	74,5	955.510.11	855.510.11

Spare parts

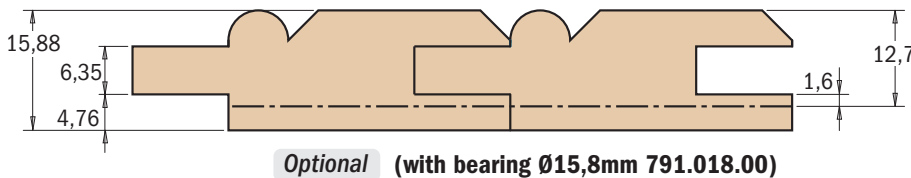
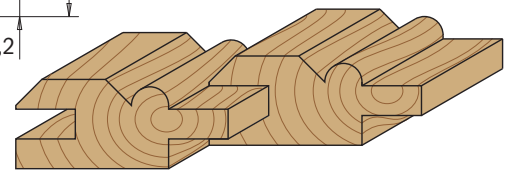
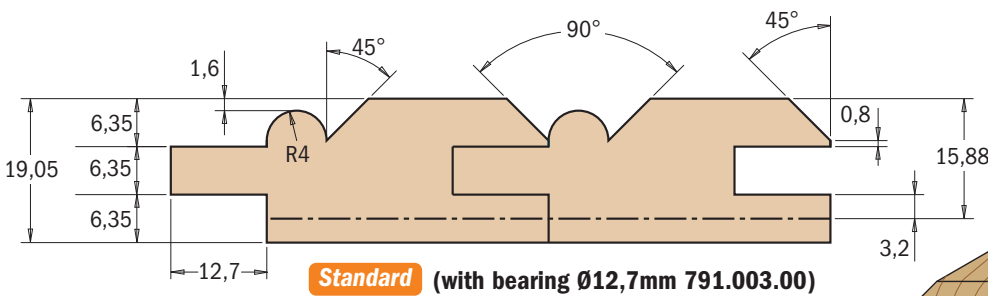
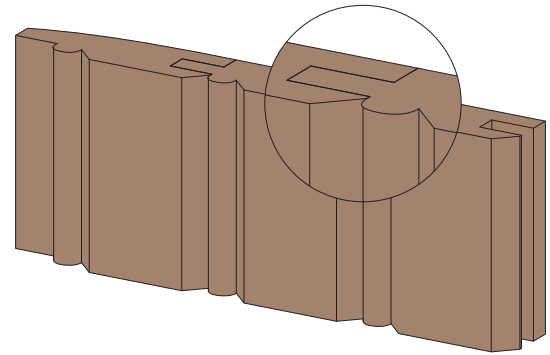
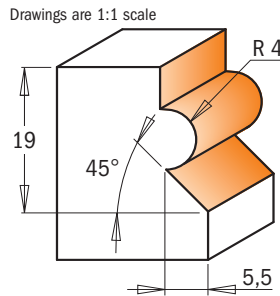
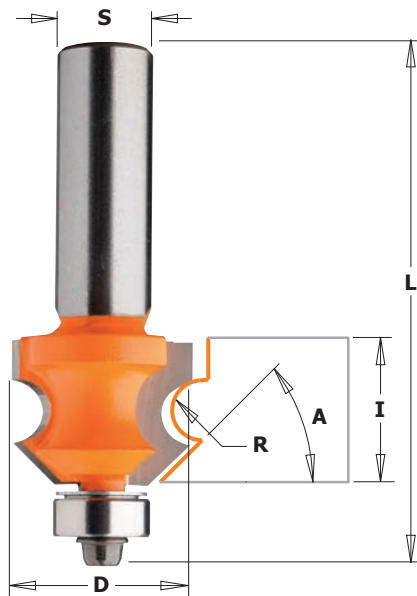
990.423.00	791.018.00	990.058.00	991.057.00

# Wainscot/paneling bits



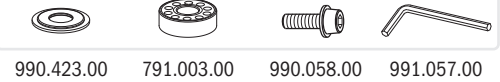
## 8/961.6

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.



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	<b>961.601.11</b>	<b>861.601.11</b>

Spare parts



# Corner beading bit with 45° chamfer

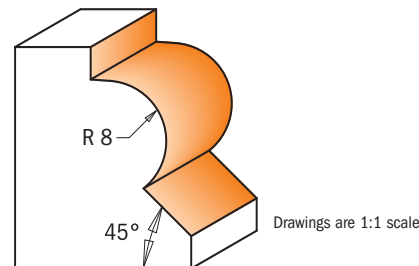
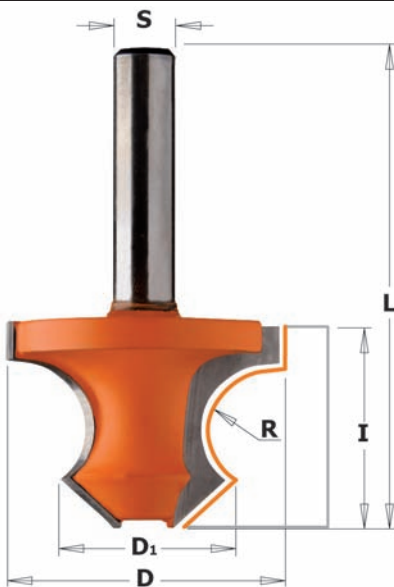
**new**



## 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.



D mm	D <sub>1</sub> mm	I mm	R mm	L mm	ORDER NO. S=Ø8mm
36	22	25	8	60	<b>954.080.11</b>

# Finger joint bit

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

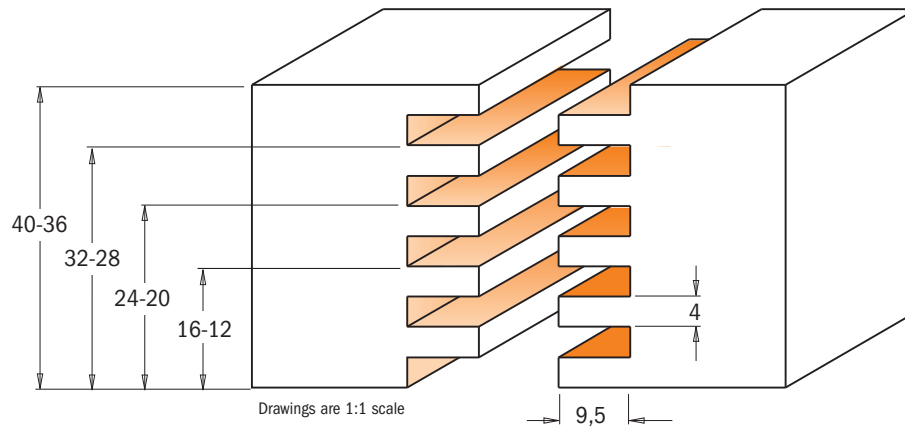
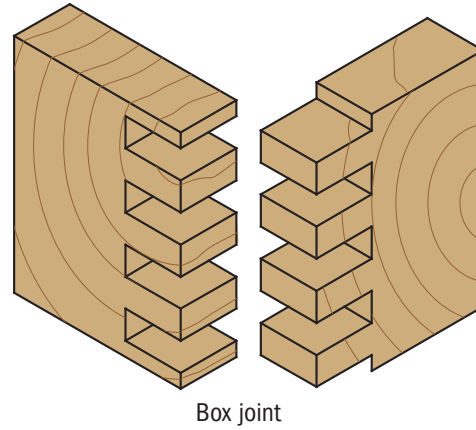
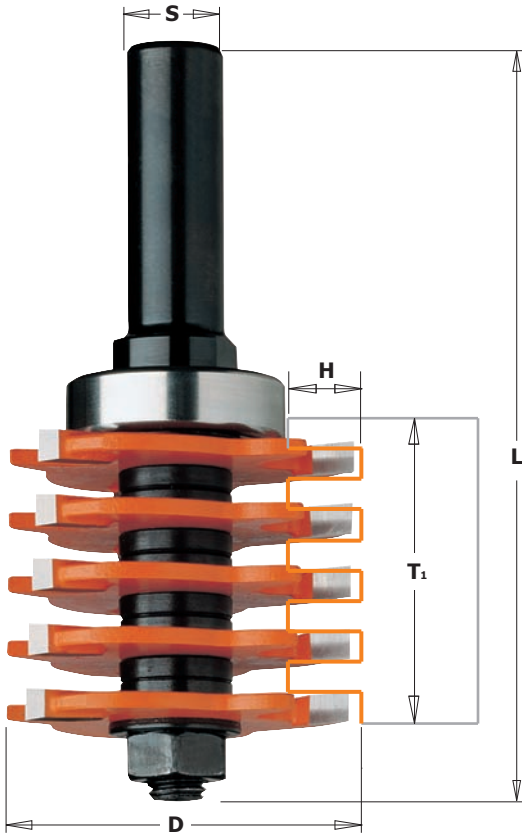
Power Tools & Accessories

Display Cabinets

**8/900.616**



This router allows you to carry out accurate and functional finger joints in a much easier way. 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.



T <sub>1</sub> mm	D mm	H mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts				
12 - 40	47,6	9,5	97	<b>900.616.11</b>						
12 - 40	47,6	9,5	97		<b>800.616.11</b>	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)

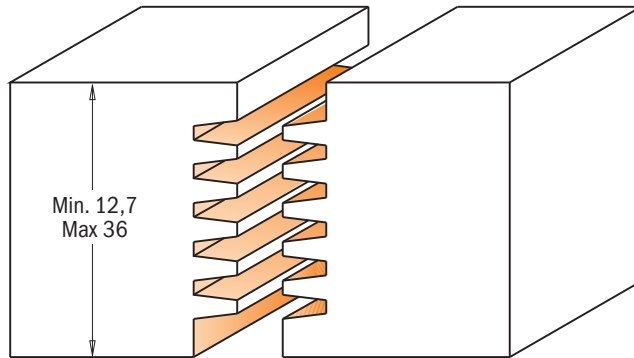
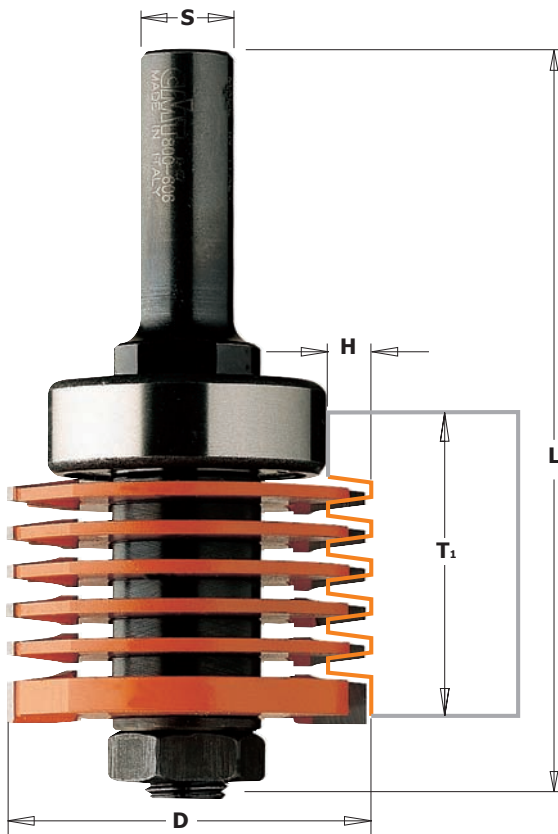
# Professional finger joint bit



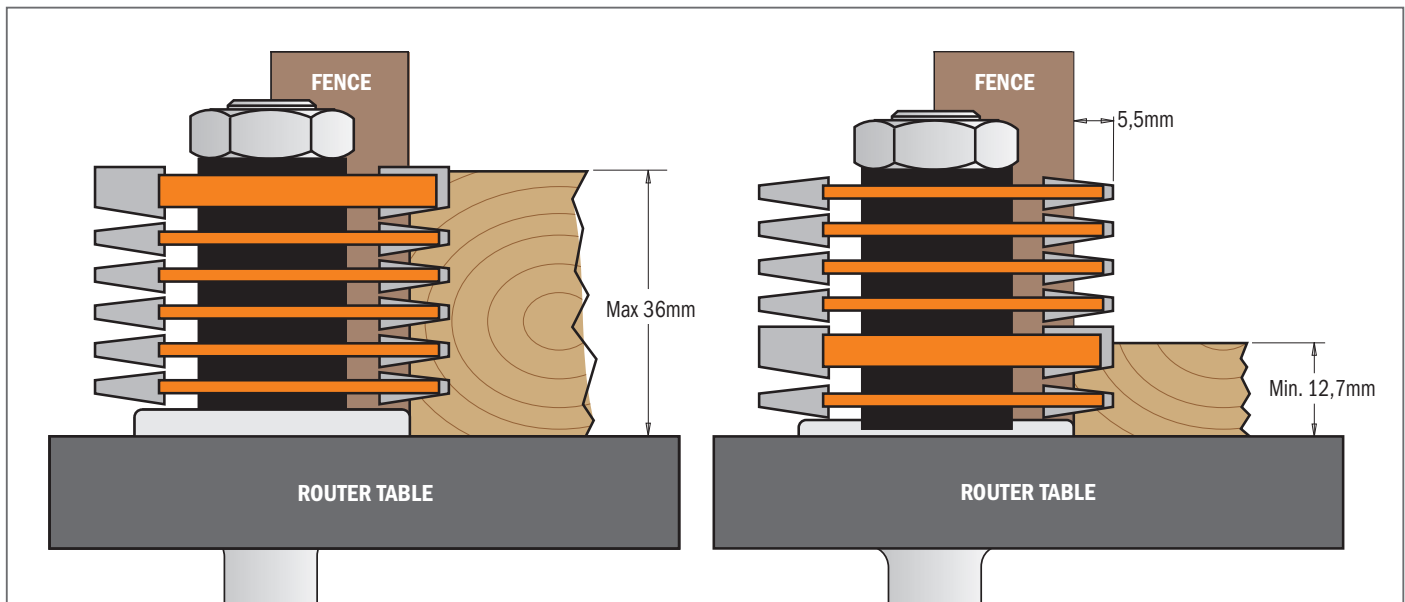
8/900.606

This versatile CMT finger joint bit lets you make one of the most incredibly strong side-to-side or end-to-end joints in all wood and wood composites. The tightness of the accurately cut joint and the maximum glue surface create a joint that is actually stronger than an unworked piece of wood.

CMT's professional finger joint features two flute design, carbide teeth and six removable cutters so you can make joints in a wide range of stock thicknesses, from 12,7mm to 36mm. Ideal for molding manufacturers and furniture makers.



Drawings are 1:1 scale



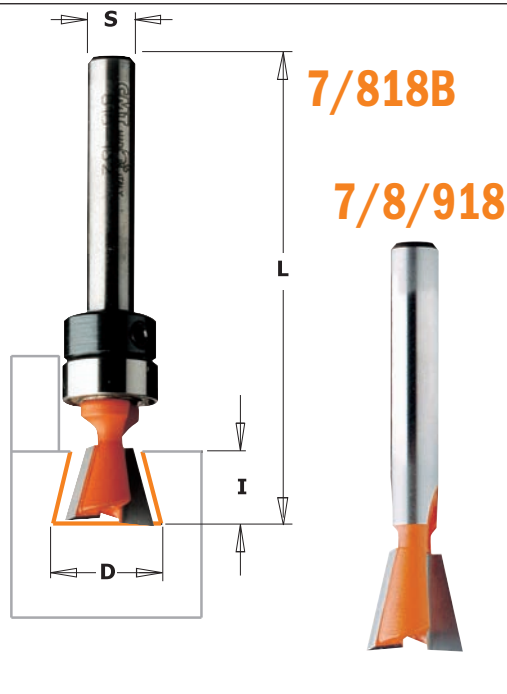
T <sub>1</sub> mm	D mm	H mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
12,7 - 36	47,6	5,5	97	<b>900.606.11</b>	<b>800.606.11</b>
12,7 - 36	47,6	5,5	97		

Spare parts

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
  - 541.513.00** 0,1mm spacer
  - 990.458.00** Kit with spacer

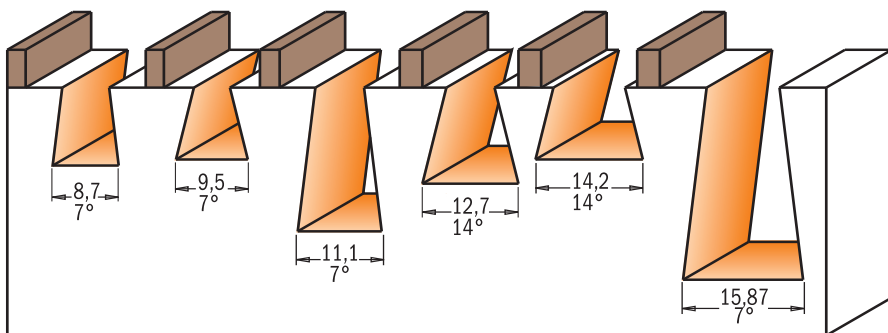
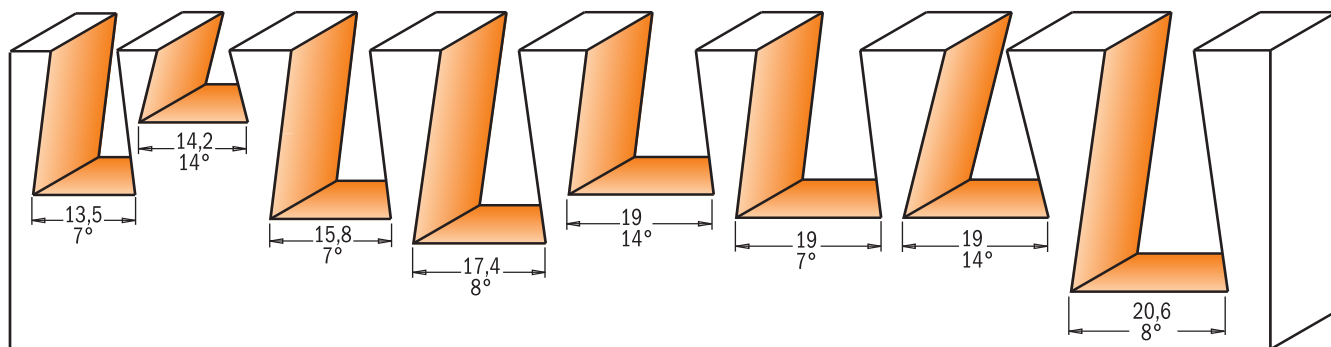
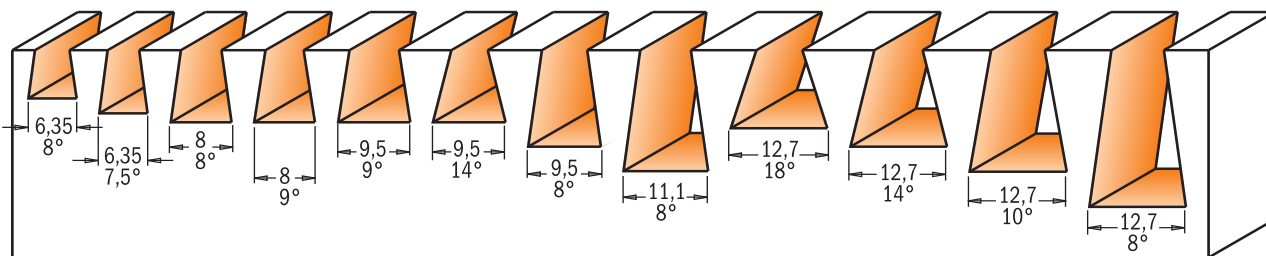
# Dovetail bits



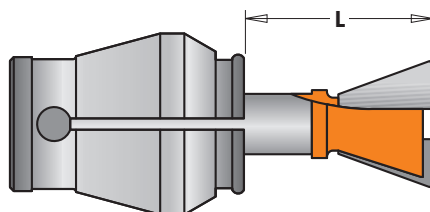
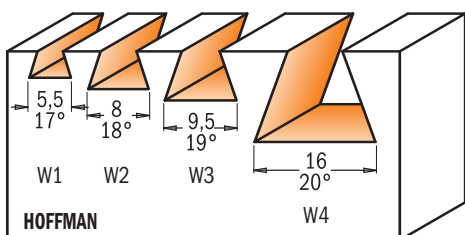
The beautifully crafted dovetail joint is a classic that appeals to both professionals and novices alike. Admired for its attractiveness in box and exposed joint projects, the dovetail is remarkably strong and functional. CMT dovetail bits are available in 25 different sizes so you can stretch your creativity to the limit. See the illustrations on the next page for dovetail joinery possibilities. CMT dovetail bits are designed to fit all popular jigs including Leigh, Keller, JoinTECH and Omnijig systems. You are sure to find the bit you are looking for in our vast selection of cutting sizes and angles. Check the overall length of the bit before placing an order to be sure you get the size you need - CMT makes bits specifically to fit on jigs and routers that require a longer shank length.

**Shop Tips:** Two passes are recommended when routing dovetails with a template. Check that the dovetails have been cut through completely and smoothly before removing the workpiece. For even easier routing and less stress on your dovetail bit, run the first pass with a straight bit. Use a dovetail on your router table equipped with a fence to achieve difficult chamfer angles.

**Safety Tips:** If a dovetail bit jams while working, adjust the position of the bit in the collet and make sure the cutting depth is correct. Do not lift the router out of the template.



Manufacturer/Model	ORDER NO.	
CMT-Enlock10	718.098.11B	818.098.11B
CMT-Enlock15	718.127.11B	818.128.11B
CMT300	718.127.11	818.128.11
	918.127.11	818.628.11



Manufacturer/Model	ORDER NO.	
<b>HOFFMAN</b>		
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	

Drawings are 1:1 scale

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

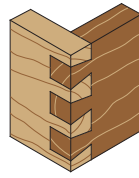
# Dovetail bits

## 7/8/918 - 7/818B

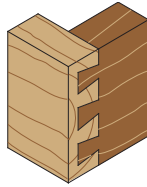


Here are a few of the beautiful dovetail joints you can produce using CMT bits

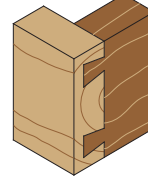
Through dovetail



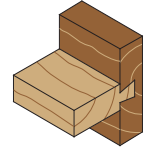
Half-blind dovetail



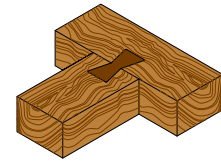
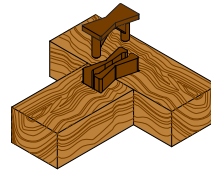
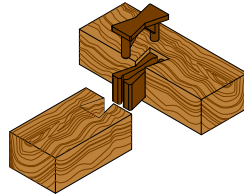
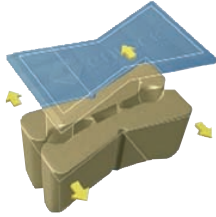
Variably-spaced dovetail



Sliding dovetail



A few seconds and your joints are ready!



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	Spare parts		
•6	8,3	60	7,5°	<b>718.060.11</b>							
•6,35	6,35	50,8	8°		<b>818.065.11</b>						
•6,35	8,3	63,5	7,5°		<b>818.064.11</b>			<b>818.564.11</b>			
•8	9,5	54	8°		<b>818.081.11</b>						
•8	9,5	52,5	9°		<b>818.080.11</b>						
•8	9,5	63,5	9°					<b>818.580.11</b>			
•9,5	9,5	52,5	9°	<b>718.095.11</b>	<b>818.096.11</b>	<b>918.095.11</b>					
•9,5	9,5	63,5	9°					<b>818.596.11</b>			
•9,5	9,5	60,3	14°		<b>818.098.11</b>						
•9,5	12,7	60,3	8°		<b>818.097.11</b>						
11,1	15,9	60,3	8°		<b>818.111.11</b>						
12,7	10,3	60,3	18°		<b>818.132.11</b>						
12,7	12,7	52,4	14°	<b>718.127.11</b>	<b>818.128.11</b>	<b>918.127.11</b>					
12,7	12,7	63,5	14°					<b>818.628.11</b>			
12,7	12,7	62	14°		<b>818.130.11</b>						
12,7	16	60,3	10°		<b>818.133.11</b>						
12,7	20,6	69,8	8°		<b>818.129.11</b>	<b>918.129.11</b>					
13,5	19,05	61,5	7°					<b>818.635.11</b>			
14,2	9,5	50,8	14°		<b>818.142.11</b>						
16	22	60,3	7°	<b>718.158.11</b>	<b>818.158.11</b>	<b>918.158.11</b>					
16	22	66,7	7°				<b>918.658.11</b>	<b>818.658.11</b>			
17,4	25,4	77,6	8°					<b>818.674.11</b>			
19	19	77,6	14°					<b>818.691.11</b>			
19	22	60,3	7°	<b>718.190.11</b>	<b>818.190.11</b>	<b>918.190.11</b>					
19	22	66,7	7°				<b>918.690.11</b>	<b>818.690.11</b>			
19	22	60,3	14°		<b>818.191.11</b>						
20,6	31,7	84,1	8°					<b>818.706.11</b>			
<b>with top bearing</b>											
8,73	10,3	58	7°		<b>818.087.11B</b>				791.009.00	541.001.00	
•9,5	9,5	60,3	14°	<b>718.098.11B</b>	<b>818.098.11B</b>				791.010.00	541.001.00	
11,1	19	66,7	7°		<b>818.113.11B</b>				791.009.00	541.001.00	
12,7	12,7	52,4	14°	<b>718.127.11B</b>	<b>818.128.11B</b>				791.010.00	541.001.00	
14,2	9,5	50,8	14°		<b>818.142.11B</b>				791.010.00	541.001.00	
<b>with top bearing (shank Ø9,5mm)</b>											
16	25,4	68,3	7°					<b>818.159.11B</b>	791.021.00	541.006.00	
<b>for Hoffman</b>											
•5,5	4	43	17°	<b>718.053.11</b>	<b>818.053.11</b>						
•8	6	43	18°	<b>718.079.11</b>	<b>818.079.11</b>						
•9,5	7,3	43	19°	<b>718.093.11</b>	<b>818.093.11</b>						
16,7	12,5	49	20°			<b>918.167.11</b>					

**Spare parts** 990.005.00 M3x3mm TSEI screw  
991.056.00 1,5mm hex key

• HWM

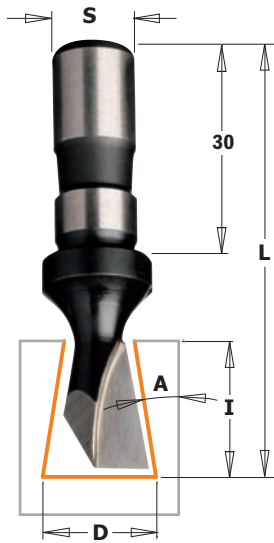


## 9° Dovetail cutters

Saw blades

Tools with bore & Knives

Router Bits & Sets



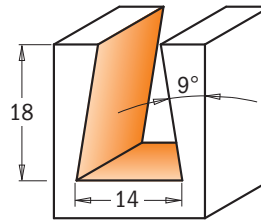
**522**

HW Z1 RH

D mm	I mm	L mm	A	S mm	ORDER NO. Right-hand rotation
14	18	60	9°	12	<b>522.140.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 1 HW precision ground cutting edge (Z1)



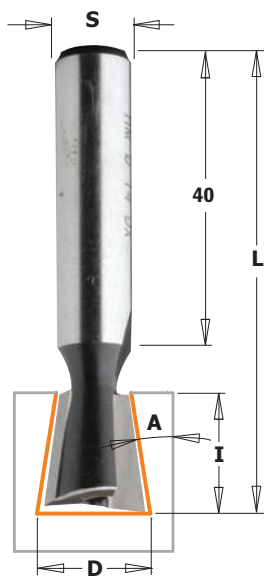
Drawing are 1:1 scale

## 9° Dovetail cutter

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools



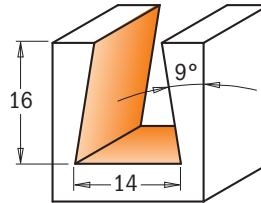
**523**

HW Z2 RH

D mm	I mm	L mm	A	S mm	ORDER NO. Right-hand rotation
14	16	60	9°	10	<b>523.140.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 HW precision ground cutting edges (Z2)



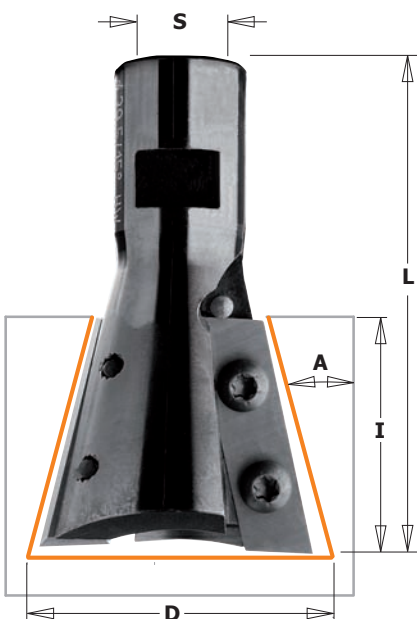
Drawing are 1:1 scale

## 15° Dovetail cutter for Arunda® System with insert knives

Spare Parts

Power Tools & Accessories

Display Cabinets



**664**

INSERT CARBIDE Z2 RH

D mm	I mm	L mm	A	S	ORDER NO. Right-hand rotation
39,5	31,5	65,5	15°	M12x1	<b>664.395.11</b>

*Spare parts*

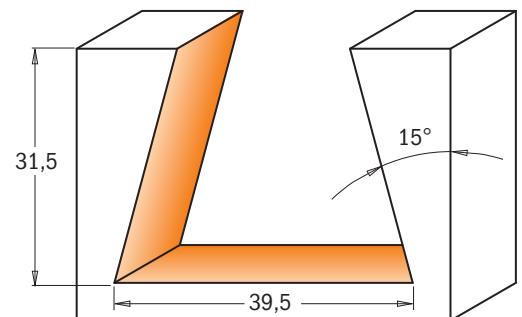


**TECHNICAL DETAILS:**

- Super strength steel
- 2 HWM precision insert knives (Z2)

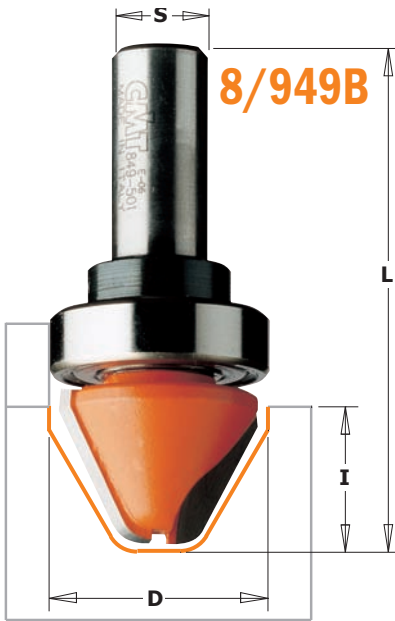
**APPLICATION:**

Designed for Arunda® System this cutter allow you to assembly roof-frames by dovetailing.

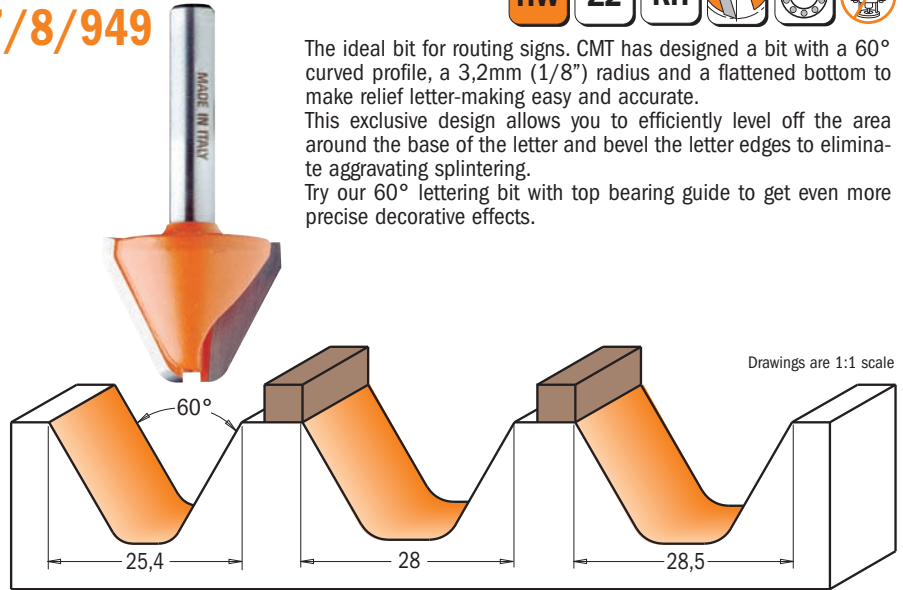


Drawing are 1:1 scale

# 60° Lettering bit



7/8/949

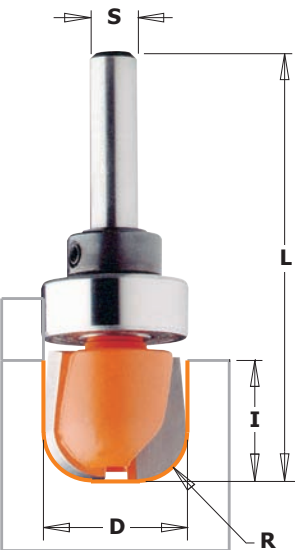


The ideal bit for routing signs. CMT has designed a bit with a 60° curved profile, a 3,2mm (1/8") radius and a flattened bottom to make relief letter-making easy and accurate. This exclusive design allows you to efficiently level off the area around the base of the letter and bevel the letter edges to eliminate aggravating splintering. Try our 60° lettering bit with top bearing guide to get even more precise decorative effects.

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	<b>749.001.11</b>	<b>849.001.11</b>					
28	19	60°	63,5			<b>949.502.11</b>				
28,5	19	60°	63,5				<b>849.501.11</b>			
<b>with top bearing</b>										
28	19	60°	63,5			<b>949.502.11B</b>		791.026.00	541.005.00	991.056.00
28,5	19	60°	63,5				<b>849.501.11B</b>	791.027.00	541.002.00	991.056.00

Spare parts 990.005.00 M3x3mm STEI screw

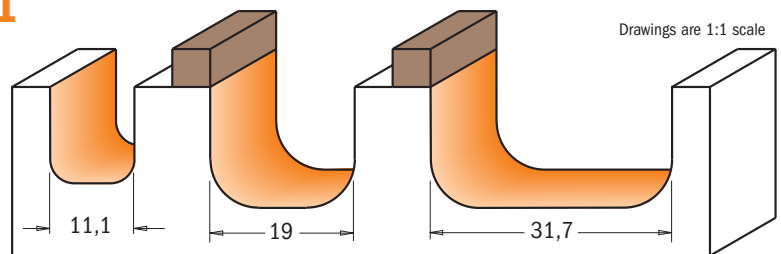
# Bowl and tray bits



7/851B



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. Makes pattern work quick and easy. For best results on jobs where accuracy is a priority we recommend using our top bearing bowl and tray bits shown at bottom of page. Bowl and Tray bits with top bearings are great for pattern work. Use them to create raised sign lettering, trays and many other items.

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		<b>851.001.11</b>						
19	16	6,4	54	<b>751.002.11</b>	<b>851.002.11</b>	<b>951.002.11</b>					
19	16	6,4	60,4				<b>951.501.11</b>	<b>851.501.11</b>			
31,7	16	6,4	60,4				<b>951.502.11</b>	<b>851.502.11</b>			
<b>with top bearing</b>											
19	16	6,4	54	<b>751.002.11B</b>					791.007.00	541.003.00	991.056.00
19	16	6,4	54		<b>851.002.11B</b>				791.004.00	541.001.00	991.056.00
19	16	6,4	60,4					<b>851.501.11B</b>	791.011.00	541.002.00	991.056.00
31,7	16	6,4	60,4					<b>851.502.11B</b>	791.015.00	541.002.00	991.056.00

Spare parts 990.005.00 M3x3mm STEI screw

# V-Grooving bits (90°)

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

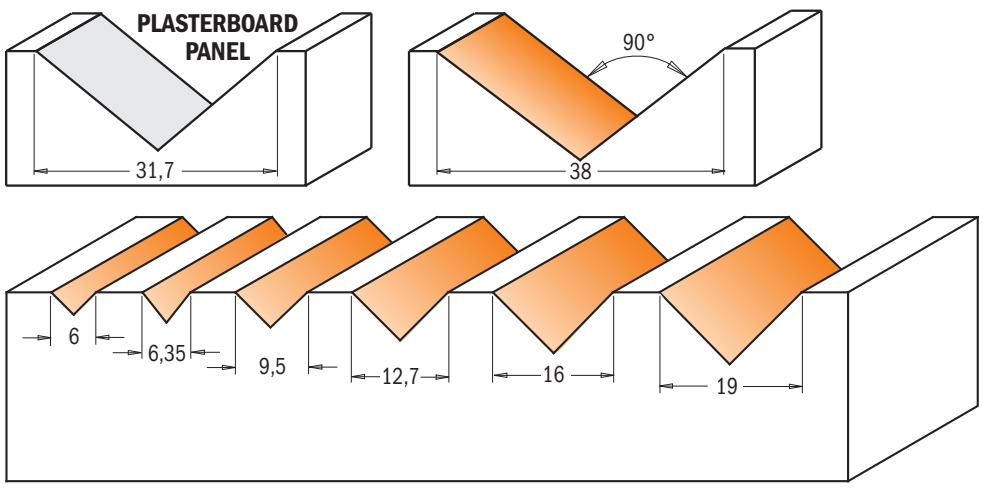
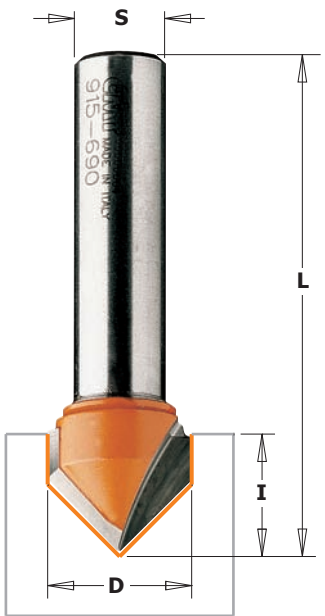
Power Tools & Accessories

Display Cabinets

**HW** **Z2** **RH**

## 7/8/915

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.



Drawings are 1:1 scale

D mm	I mm	A	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
•6	8	90°	38,1	<b>715.060.11</b>		<b>915.060.11</b>		
•6,35	8	90°	38,1		<b>815.064.11</b>			
9,5	12,7	90°	44,5	<b>715.095.11</b>	<b>815.095.11</b>	<b>915.095.11</b>		
12,7	12,7	90°	44,5	<b>715.127.11</b>	<b>815.127.11</b>	<b>915.127.11</b>		
16	12,7	90°	52,8			<b>915.160.11</b>		
16	12,7	90°	63,5				<b>915.660.11</b>	<b>815.660.11</b>
19	16	90°	55,5	<b>715.190.11</b>				
19	16	90°	63,5				<b>915.690.11</b>	<b>815.690.11</b>
31,7	16	90°	63,5			<b>915.317.11</b>	<b>915.817.11</b>	<b>815.817.11</b>
38	19	90°	63,5			<b>915.380.11</b>		
38	19	90°	70					<b>815.880.11</b>

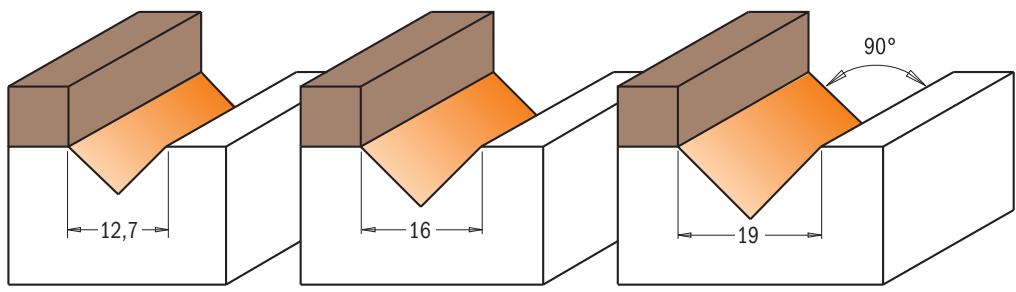
# V-Grooving bits (90°)

## 7/8/915B

**HW** **Z2** **RH**

In addition, CMT has versatile top bearing bits that allow for several template options of your choice (see series 715B-815B-915B). Like all CMT bits, they are made of super strength Fatigue Proof® steel with carbide-tipped cutting edges and are coated with our trademark orange PTFE non-stick coating. These bits are ideal for routing signs, or almost any project that is suitable for accurate template routing.

**Tips:** V-grooving bits can perfectly chamfer 45°. Two tools in one!



Drawings are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts		
12,7	12,7	44,5		<b>815.127.11B</b>					
16	12,7	52,8			<b>915.160.11B</b>		791.010.00	541.001.00	991.056.00
19	16	55,5	<b>715.190.11B</b>				791.025.00	541.004.00	991.056.00
19	16	63,5				<b>815.690.11B</b>	791.007.00	541.003.00	991.056.00
							791.011.00	541.002.00	991.056.00

**Spare parts** 990.005.00 M3x3mm TSEI screw

## V-Grooving bits for Alucobond®



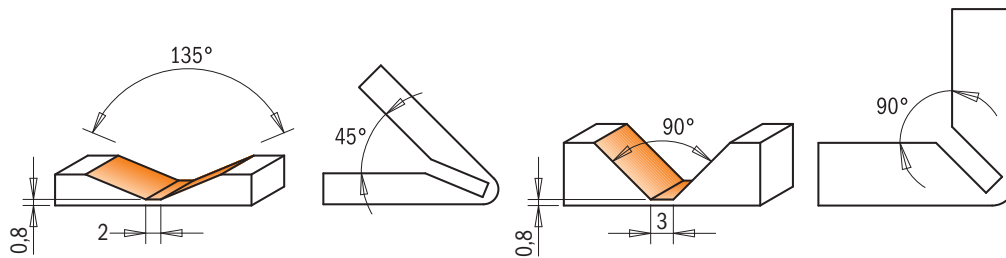
**915**

**HW Z2 RH**

ALUCOBOND® plus composite panels can be shaped using a very simple processing method. The technique, called the routing and folding method, enables a fabricator to produce shapes of various kinds and sizes. A V-shaped groove is routed on the reverse side of the ALUCOBOND® plus composite panel using a "V" groove router bit. A thin layer of the core material should be left at the base of the groove, i.e. on the inside of the outer cover sheet. The untouched outer cover sheet can now be bent manually, giving an exact and clean folding line which follows the routed groove. The outer radius of the folded edge depends on the shape of the groove and its depth.

We recommend that the routing be done using a CNC machining centre, a portable sheet milling machine or a hand router. The routing and folding method can be used for ALUCOBOND® plus composite panels with all available standard surface finishes. The advantages of this unique technique are:

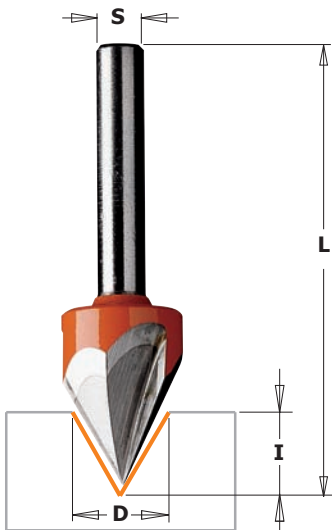
- Low investment cost
- Simple fabrication technique
- Folding can be done on site, saving transportation cost
- Low-cost fabrication of shaped components, wall cladding, roof edgings, column cladding, flashings, etc.
- Flexibility in creating shapes
- Very economical
- Shapes are not limited by machine capacity.



Drawings are 1:1 scale

D mm	I mm	A	L mm	ORDER NO. S=Ø8mm
18	7,45	90°	60	<b>915.001.11</b>
18	3,3	135°	60	<b>915.002.11</b>

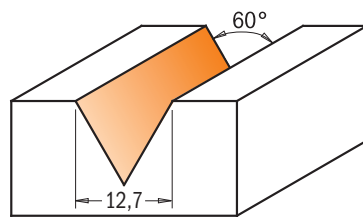
## Laser point bit (60°) Z=3



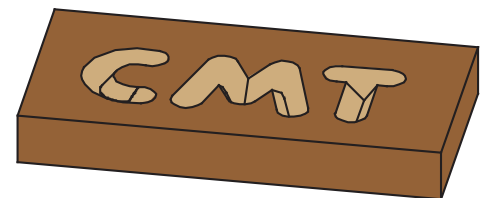
**7/8/958**

**HW Z3 RH**

This new bit lets you make delicate grooves and incisions with laser precision. Make one of a kind effects with single run 30° bevel edges. Three super sharp cutting edges and this perfectly balanced bit allow you to work with superior 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 are 1:1 scale



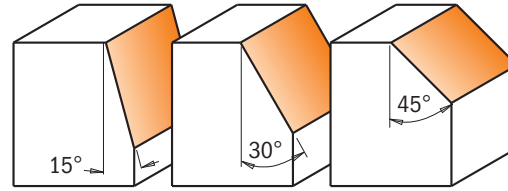
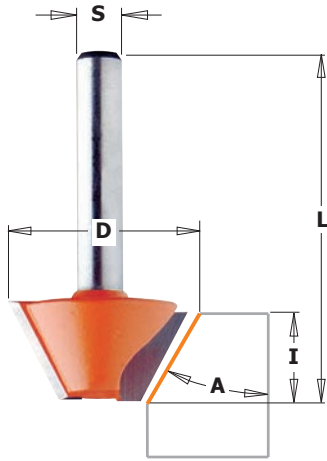
D mm	I mm	A	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
12,7	11	60°	57,2	<b>758.001.11</b>	<b>858.001.11</b>	<b>958.001.11</b>	
12,7	11	60°	60,3				<b>858.501.11</b>

# Chamfer bits

## 703/4/5 - 903/4/5



From a gently beveled edge to decorative chamfers in a variety of materials, CMT offers smooth results.



Drawings are 1:1 scale

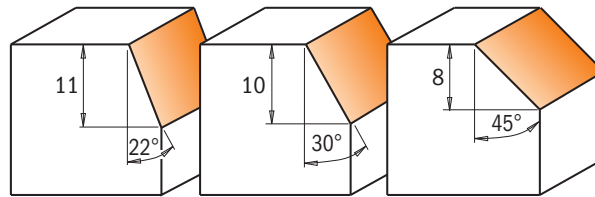
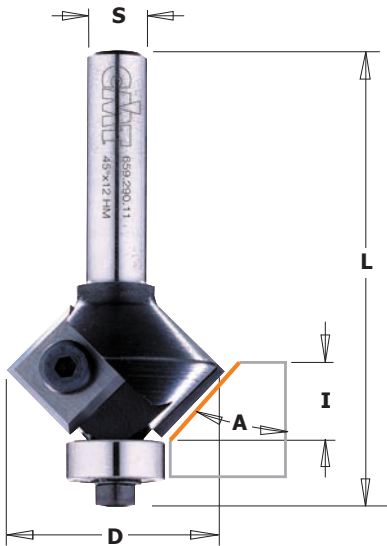
A	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø8mm
15°	24	14	46	<b>703.240.11</b>	<b>903.240.11</b>
30°	26	12,7	44,5	<b>704.240.11</b>	<b>904.240.11</b>
45°	25	8	41	<b>705.240.11</b>	<b>905.240.11</b>

# Chamfer bits with insert knives

## 659



Bevel and Chamfer trim bits with two replaceable knives fixed by special Torx screws. The knives are 4 sided sharpened and gives three extra new edges. Guided bevel and chamfer trim bits type 659 are equipped with the ball bearing guides. Type 658 is unguided. For specialist applications requiring economy of replaceable tips. For precision work on laminates, MDF or for quick rounded edges in hard wood. For use on portable Routers or CNC machining centers.



Drawings are 1:1 scale



A	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm	Spare parts		
45°	29	8	52	<b>658.047.11</b>		<b>658.045.11</b>				
22°	25	11	65	<b>659.024.11</b>	<b>659.023.11</b>	<b>659.022.11</b>		790.120.00	990.075.00	791.006.00
30°	28	10	66	<b>659.032.11</b>	<b>659.031.11</b>	<b>659.030.11</b>		790.120.00	990.075.00	791.006.00
45°	29	8	60	<b>659.047.11</b>	<b>659.046.11</b>	<b>659.045.11</b>		790.120.00	990.075.00	791.022.00
45°	29	8	68				<b>659.646.11</b>	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

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

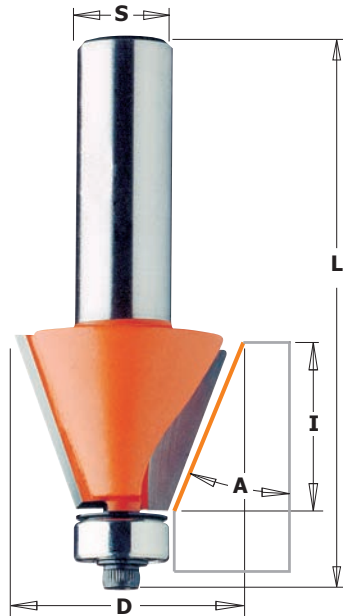
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

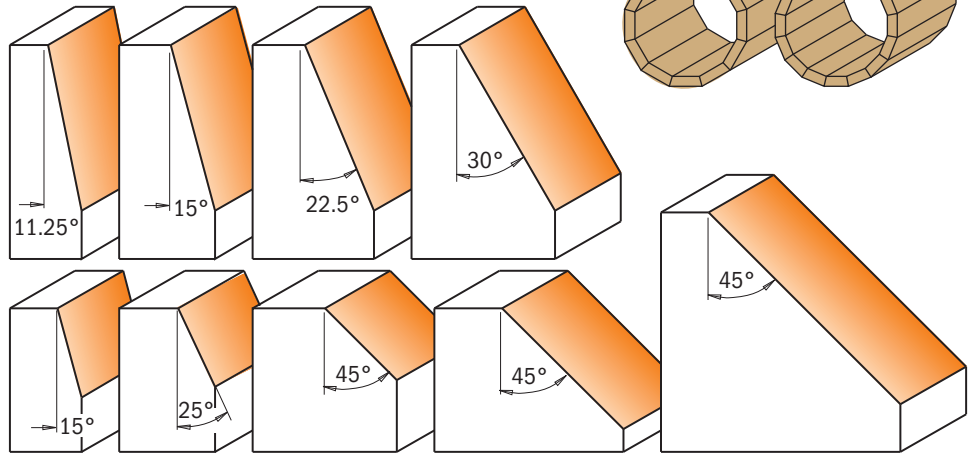
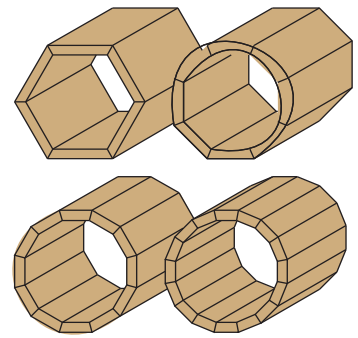
Display Cabinets

# Chamfer bits



## 7/8/936 - 8/957

CMT chamfer bits can cut clean, accurate bevels and chamfers and are great for edge work or for making perfectly aligned multi-sided containers, boxes and other decorative projects. See illustration below for examples. Can be used for working larger scale projects such as beams and columns with excellent results.



Drawings are 1:1 scale

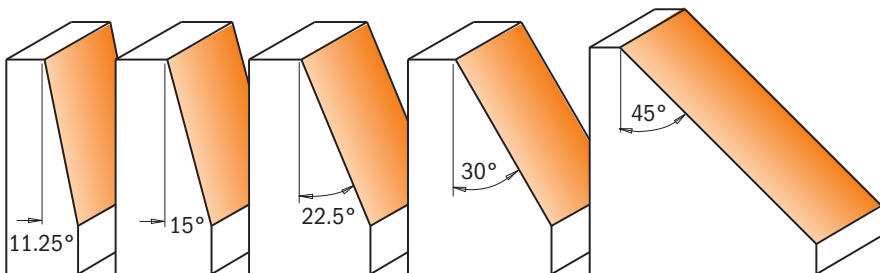
A	D mm	I mm	L mm	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts			
				S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm				
15°	19	11,5	54,9	<b>736.130.11</b>	<b>836.130.11</b>	<b>936.130.11</b>			990.423.00	791.003.00	990.058.00	991.057.00
25°	22,2	10	54,9	<b>736.190.11</b>	<b>836.190.11</b>	<b>936.190.11</b>			990.423.00	791.003.00	990.058.00	991.057.00
45°	31,7	9,5	53	<b>736.280.11</b>	<b>836.280.11</b>	<b>936.280.11</b>			990.423.00	791.003.00	990.058.00	991.057.00
45°	45	18	60,2	<b>736.420.11</b>	<b>836.420.11</b>	<b>936.420.11</b>			990.423.00	791.003.00	990.058.00	991.057.00
45°	45	18	66,5				<b>936.920.11</b>	<b>836.920.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
45°	65	26	76,7				<b>936.950.11</b>	<b>836.950.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
11,25°	21,5	22	71,1				<b>957.504.11</b>	<b>857.504.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
15°	24,5	22	71,1				<b>957.503.11</b>	<b>857.503.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
22,5°	31	22	71,1				<b>957.502.11</b>	<b>857.502.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
30°	38,5	22	71,1				<b>957.501.11</b>	<b>857.501.11</b>	990.423.00	791.003.00	990.058.00	991.057.00

# Chamfer set



## 836

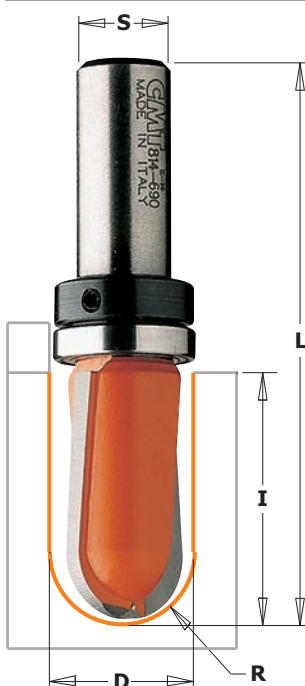
Build beautiful planters, boxes and other multi-sided pieces with this handy set. Why cut imperfect angles on your table saw when it's so much easier and accurate to use the CMT Chamfer set? Our solution to accurate polygon construction includes 5 anti-kickback, carbide tipped bits in the most popular angles - 11-1/4°, 15°, 22-1/2°, 30° and 45°. No polygon project is too difficult. Available with 12,7mm shank.



Drawings are 1:1 scale

DESCRIPTION	ORDER NO.
Chamfer set	<b>836.501.11</b> S=Ø12,7mm

# Round nose bits



7/8/914B

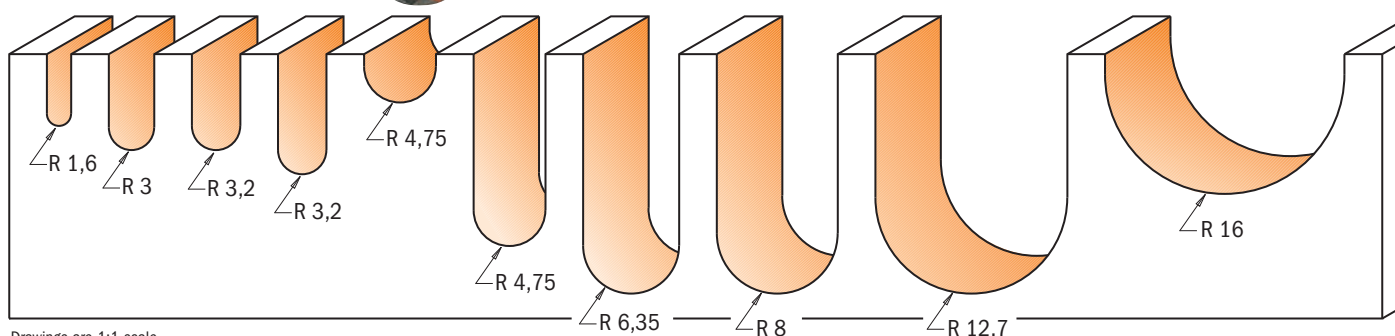
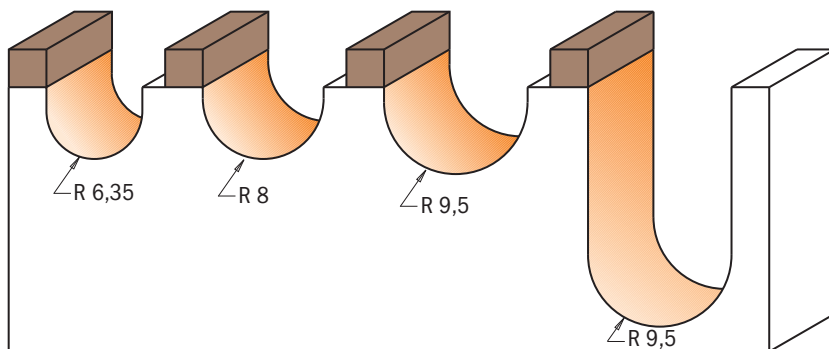
7/8/914



Personalize your doors, drawer fronts, panels or any surface you choose with your own signature motif. CMT round nose bits in solid carbide or with carbide tipped flutes let you create engraving in any wood or wood product. We offer a complete selection of diameters and cutting depths so you can achieve the effects you want. Mounted on your router table, you can work materials up to 31,7mm in depth.

For even more elaborate decorations, we also offer top bearing bits - use your own template with one of these bits to produce truly unique doors and drawer fronts. A favourite item for professional sign makers, craft makers and hobbyists.

**Shop Tips:** more than one pass is recommended when making cove edges. To prevent splintering, begin with a shallow initial pass and deepen gradually.



Drawings are 1:1 scale

Spare parts



R	D	I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
mm	mm	mm	mm	S=∅6mm	S=∅6,35mm	S=∅8mm	S=∅12mm	S=∅12,7mm
•1,6	3,2	9,5	50,8	<b>714.032.11</b>	<b>814.032.11</b>	<b>914.032.11</b>		
•3	6	12,7	50,8	<b>714.060.11</b>		<b>914.060.11</b>		
•3,2	6,4	12,7	50,8		<b>814.064.11</b>			
•3,2	6,4	15,9	63,5					<b>814.564.11</b>
4,75	9,5	6,4	50,8	<b>714.095.11</b>	<b>814.095.11</b>	<b>914.095.11</b>		
4,75	9,5	25,4	66,7					<b>814.595.11</b>
6,35	12,7	9,5	50,8	<b>714.127.11</b>	<b>814.127.11</b>	<b>914.127.11</b>		
6,35	12,7	31,7	73				<b>914.627.11</b>	<b>814.627.11</b>
8	15,8	9,5	50,8	<b>714.160.11</b>	<b>814.160.11</b>	<b>914.160.11</b>		
8	15,8	31,7	73					<b>814.660.11</b>
9,5	19	11,5	50,8	<b>714.190.11</b>	<b>814.190.11</b>	<b>914.190.11</b>		
9,5	19	31,7	73				<b>914.690.11</b>	<b>814.690.11</b>
12,7	25,4	31,7	73				<b>914.754.11</b>	<b>814.754.11</b>
16	31,7	18,5	58,8				<b>914.817.11</b>	<b>814.817.11</b>

with top bearing

6,35	12,7	9,5	50,8		<b>814.127.11B</b>				791.010.00	541.001.00	991.056.00
8	15,8	9,5	50,8		<b>814.160.11B</b>				791.009.00	541.001.00	991.056.00
8	15,8	9,5	50,8			<b>914.160.11B</b>			791.025.00	541.004.00	991.056.00
9,5	19	11,5	50,8	<b>714.190.11B</b>					791.007.00	541.003.00	991.056.00
9,5	19	11,5	50,8		<b>814.190.11B</b>				791.004.00	541.001.00	991.056.00
9,5	19	31,7	73				<b>814.690.11B</b>		791.011.00	541.002.00	991.056.00

Spare parts 990.005.00 M3x3mm screw

• HWM

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

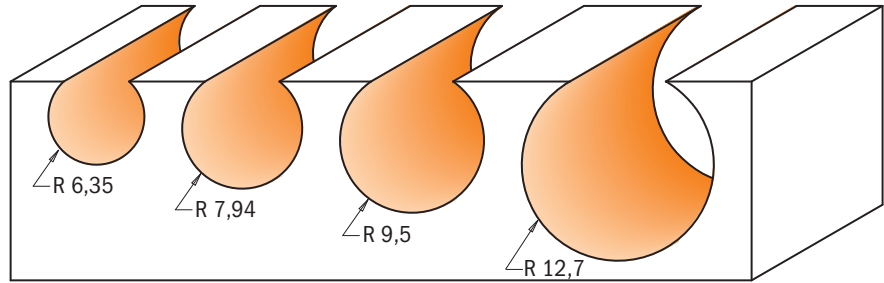
Display Cabinets

# Ball milling



**8/968**

Cut channels for pipes or cables in one single pass using CMT's ball end bits. Reduce the stress on the bits by cutting a first groove with a straight bit.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
6,35	12,7	11	57,15	<b>968.127.11</b>		<b>868.627.11</b>
7,94	15,88	14,2	60,3	<b>968.158.11</b>		<b>868.658.11</b>
9,52	19,05	17,4	63,5	<b>968.190.11</b>		<b>868.690.11</b>
12,7	25,4	23,5	70		<b>968.754.11</b>	<b>868.754.11</b>

# Round nose set

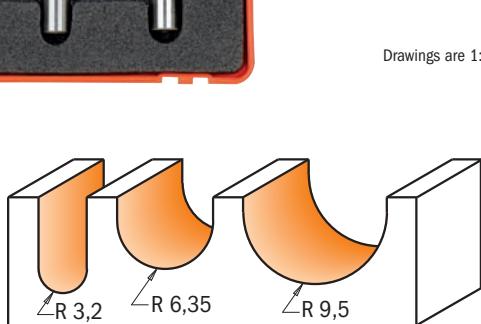


**814**

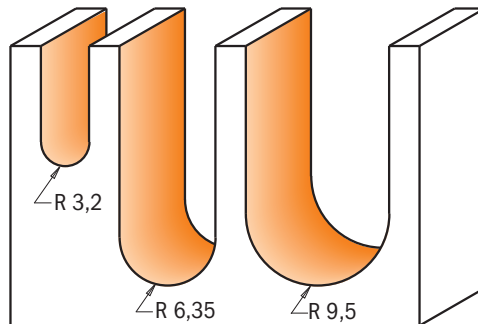
Each of these sets include 3 of the most widely used CMT Round Nose bits. These solid carbide or carbide tipped bits are perfect for sign making, engraving, or adding flutes and veins to doors or drawer fronts. Available in 6,35mm and 12,7mm shanks.



Drawings are 1:1 scale



**814.001.11**



**814.501.11**

DESCRIPTION	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
Round nose set	<b>814.001.11</b>	<b>814.501.11</b>

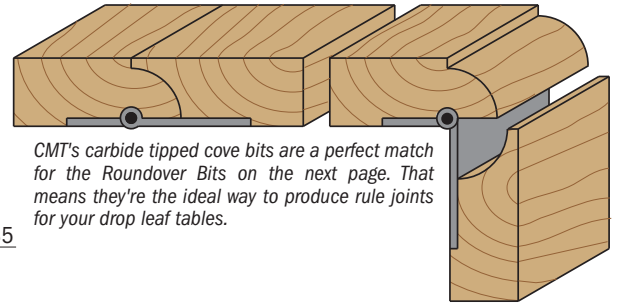
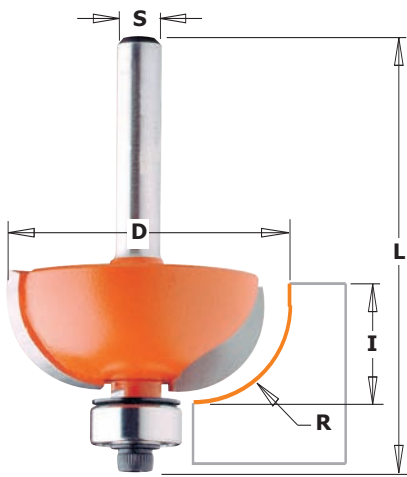


# Cove bits

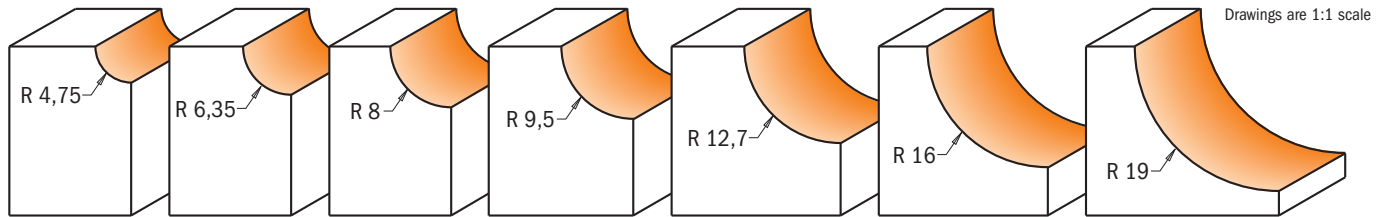
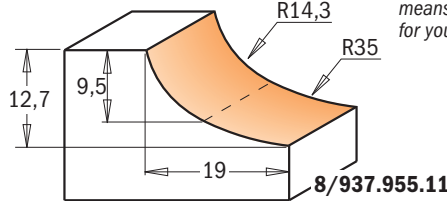


## 7/8/937

Make simple or elegant furniture, doors and drawer fronts by adding a final touch with CMT cove bits. Join them together with a CMT roundover bit and make perfectly fitting rule joints, ideal for drop leaf counter and table tops. These bits feature anti-kickback design, carbide-tipped cutting edges, Fatigue Proof® steel body and PTFE non-stick coating.



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.



R	D	I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts
mm	mm	mm	mm	S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm	
4,75	22,2	12,7	54,9	<b>737.190.11</b>	<b>837.190.11</b>	<b>937.190.11</b>			990.423.00 791.003.00 990.058.00 991.057.00
4,75	22,2	12,7	61,2				<b>937.690.11</b>	<b>837.690.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
6,35	25,4	12,7	54,9	<b>737.222.11</b>	<b>837.222.11</b>	<b>937.222.11</b>			990.423.00 791.003.00 990.058.00 991.057.00
6,35	25,4	12,7	61,2				<b>937.722.11</b>	<b>837.722.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
8	28,7	12,7	54,2	<b>737.254.11</b>	<b>837.254.11</b>	<b>937.254.11</b>			990.423.00 791.003.00 990.058.00 991.057.00
8	28,7	12,7	60,5				<b>937.754.11</b>	<b>837.754.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
9,5	31,7	12,7	54,2	<b>737.286.11</b>	<b>837.286.11</b>	<b>937.286.11</b>			990.423.00 791.003.00 990.058.00 991.057.00
9,5	31,7	12,7	60,5				<b>937.786.11</b>	<b>837.786.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
12,7	38,1	15,5	57,7	<b>737.350.11</b>	<b>837.350.11</b>	<b>937.350.11</b>			990.423.00 791.003.00 990.058.00 991.057.00
12,7	38,1	15,5	64				<b>937.850.11</b>	<b>837.850.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
16	44,5	18,5	67				<b>937.950.11</b>	<b>837.950.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
19	50,8	22,2	70,7				<b>937.951.11</b>	<b>837.951.11</b>	990.423.00 791.003.00 990.058.00 991.057.00
14,3-35	50,8	12,7	61,2				<b>937.955.11</b>	<b>837.955.11</b>	990.423.00 791.003.00 990.058.00 991.057.00

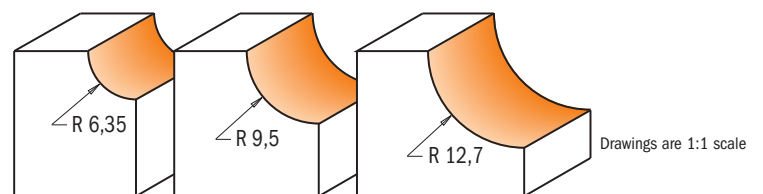
# Cove bit set

## 837



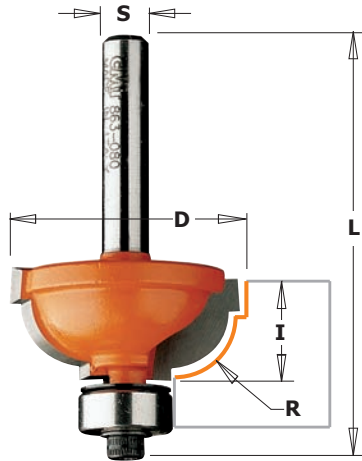
See simple furniture, doors and drawer fronts transform into elegant pieces by giving them a final touch with a CMT Cove Bit. Pair them up with CMT Roundover Bits and make beautiful rule joints to create drop leaf counter and table tops.

Anti-kickback design and thick carbide tips for long lasting performance. Available with a 12,7mm or 6,35mm shank. Cove radii are 6,35mm, 9,5mm and 12,7mm.



DESCRIPTION	ORDER NO.	ORDER NO.
	S=Ø6,35mm	S=Ø12,7mm
Cove bit set	<b>837.001.11</b>	<b>837.501.11</b>

# Cavetto edge mold bits

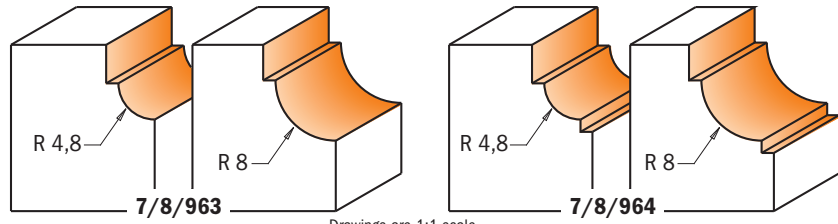


## 7/8/963 - 7/8/964



The cavetto bit cuts beautiful, traditional profiles, but you may also use just a portion of the bit to cut a more simple and cleaner cove edge. This bit add a special touch to furniture pieces by making traditional cove profiles with top and bottom fillet grooves in any kind of wood and wood composites.

**Important:** always assemble the black bearing heat shield with the raised side up when changing the bearing. Improper assembly will cause the screw to come loose and the bearing to fall off when routing.



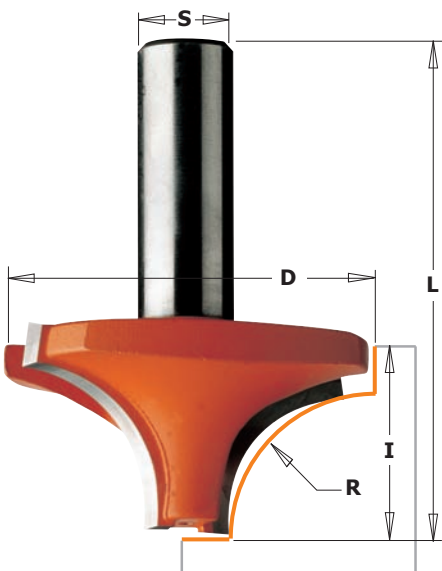
Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
4,8	25,4	11,5	54,6	<b>763.048.11</b>	<b>863.048.11</b>	<b>963.048.11</b>		
4,8	25,4	11,5	60,9				<b>963.548.11</b>	<b>863.548.11</b>
8	31,7	14,3	56,9	<b>763.080.11</b>	<b>863.080.11</b>	<b>963.080.11</b>		
8	31,7	14,3	66,8				<b>963.580.11</b>	<b>863.580.11</b>
4,8	25,4	11,5	52,8	<b>764.048.11</b>	<b>864.048.11</b>	<b>964.048.11</b>		
4,8	25,4	11,5	59,1				<b>964.548.11</b>	<b>864.548.11</b>
8	31,7	14,3	55,1	<b>764.080.11</b>	<b>864.080.11</b>	<b>964.080.11</b>		
8	31,7	14,3	65				<b>964.580.11</b>	<b>864.580.11</b>

**Spare parts**

990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

# Ovolo bits

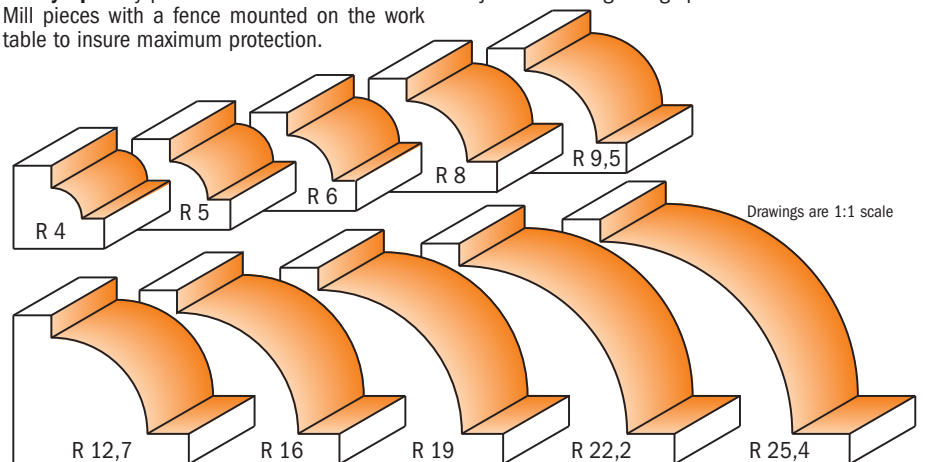


## 7/8/927



CMT put the work capacity of several different bits all into one. The perfect bit for furniture makers, the CMT ovolo allows you to make beautiful beadwork, edgework and veins. Use these bits on automated router systems or with a fence to produce a wide variety of single and double bead profiles and roundovers like those illustrated below by simply adjusting the height or depth of the cut.

**Safety tips:** Pay particular attention to never rush the job when using a large profile bit. Mill pieces with a fence mounted on the work table to insure maximum protection.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
4	19	12	43,8	<b>727.040.11</b>		<b>927.040.11</b>		
5	21	12	43,8	<b>727.050.11</b>	<b>827.050.11</b>	<b>927.050.11</b>		
6	23	12	43,8	<b>727.060.11</b>	<b>827.060.11</b>	<b>927.060.11</b>		
6	23	12	50,1					<b>827.560.11</b>
8	28,6	12,7	44,5	<b>727.080.11</b>		<b>927.080.11</b>		
9,5	31,7	14	45,8	<b>727.095.11</b>	<b>827.095.11</b>	<b>927.095.11</b>		
9,5	31,7	14	51,9				<b>927.595.11</b>	<b>827.595.11</b>
12,7	38,1	19	50,8		<b>827.127.11</b>			
12,7	38,1	19	57,1				<b>927.627.11</b>	<b>827.627.11</b>
16	44,5	22,2	60,3				<b>927.660.11</b>	<b>827.660.11</b>
19	50,8	25,4	63,5				<b>927.690.11</b>	<b>827.690.11</b>
22,2	57,1	28,5	66,6				<b>927.722.11</b>	<b>827.722.11</b>
25,4	63,5	33,3	71,4				<b>927.754.11</b>	<b>827.754.11</b>

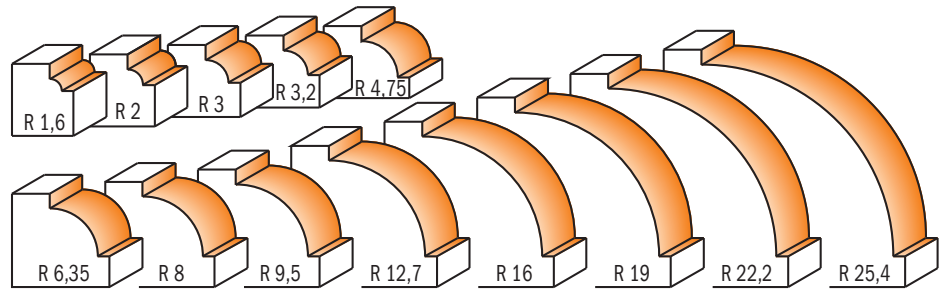
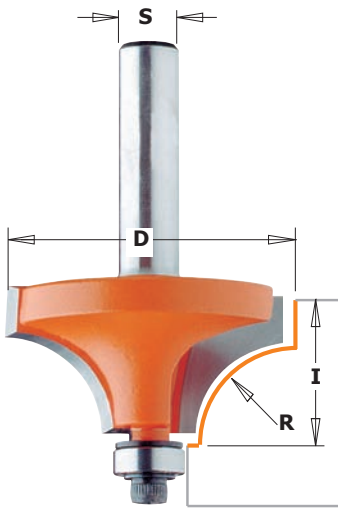
# Beading bits



## 7/8/939



Beading bits are similar to the roundover profile, but a smaller bearing produces a delicate inset at the base of the cut, giving you an extra decorative option. For a beading profile (code 7/8/939) simply change the bearing (**791.002.00**) on your roundover bits (code 7/8/938).



Drawings are 1:1 scale

**\*Use only on router table**

R mm	D mm	I mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
1,6	15,9	12,7	<b>739.160.11</b>	<b>839.160.11</b>	<b>939.160.11</b>		
2	16,7	12,7			<b>939.167.11</b>		
3	18,7	12,7			<b>939.187.11</b>		
3,2	19,1	12,7	<b>739.190.11</b>	<b>839.190.11</b>	<b>939.190.11</b>		
4,75	22,2	12,7	<b>739.222.11</b>	<b>839.222.11</b>	<b>939.222.11</b>		
6,35	25,4	12,7	<b>739.254.11</b>	<b>839.254.11</b>	<b>939.254.11</b>	<b>939.754.11</b>	<b>839.754.11</b>
8	28,6	12,7	<b>739.285.11</b>	<b>839.285.11</b>	<b>939.285.11</b>		
9,5	31,7	14	<b>739.317.11</b>	<b>839.317.11</b>	<b>939.317.11</b>	<b>939.817.11</b>	<b>839.817.11</b>
12,7	38,1	19	<b>739.380.11</b>	<b>839.380.11</b>	<b>939.380.11</b>	<b>939.880.11</b>	<b>839.880.11</b>
16	44,5	22		<b>839.445.11</b>	<b>939.445.11</b>	<b>939.945.11</b>	<b>839.945.11</b>
19	50,8	25,4				<b>939.990.11</b>	<b>839.990.11</b>
22,2	57,1	28,5				<b>939.991.11</b>	<b>839.991.11</b>
25,4	63,5	33,3				<b>939.992.11*</b>	<b>839.992.11*</b>

### Spare parts

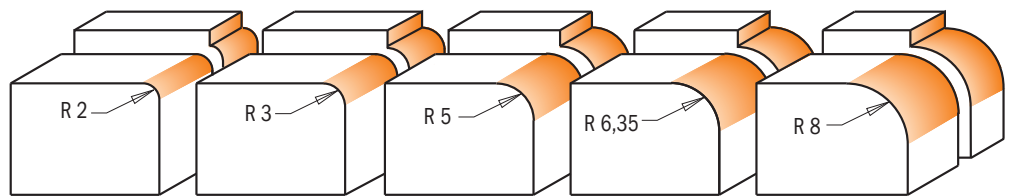
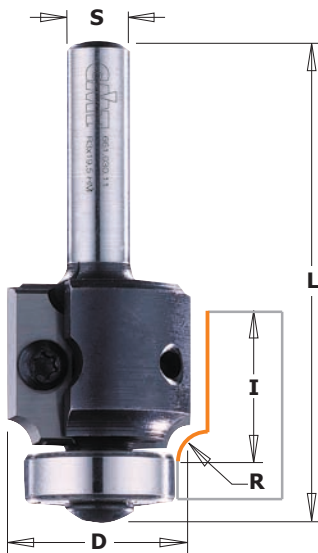
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990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
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990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	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

# Roundover bits with insert knives

## 661



Roundover bits with two replaceable knives fixed by special Torx screws. The blades are 2 sided profiled and give high economy of your work with laminates. Roundover bits type are equipped with the ball bearing guides. For precision work on laminates. Radius R2 or R3 is for rounded 2mm or 3mm ABS edges. Radius R5 is for quick rounded edges in hard wood or MDF. For use on portable Routers.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
2	22,8	19,5	64	<b>661.021.11</b>	<b>661.020.11</b>	
3	24,8	19,5	64	<b>661.031.11</b>	<b>661.030.11</b>	
5	28,8	19,5	64	<b>661.051.11</b>	<b>661.050.11</b>	
6,35	28,5	24	67	<b>661.064.11</b>	<b>661.063.11</b>	
8	31,8	24	67		<b>661.080.11</b>	
8	31,8	24	77			<b>661.581.11</b>

### Spare parts

790.020.00	990.076.00	991.061.00	791.007.00
790.020.00	990.076.00	991.061.00	791.007.00
790.030.00	990.076.00	991.061.00	791.007.00
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	990.076.00	991.061.00	791.006.00
790.080.00	990.076.00	991.061.00	791.006.00

<b>Spare parts</b>	<b>990.400.00</b> M3 shield	<b>990.410.00</b> M4 shield
	<b>990.051.00</b> M3x6mm TCEI screw	<b>990.052.00</b> M4x6mm TCEI screw
	<b>991.062.00</b> 2,5mm hex key	<b>991.067.00</b> 3mm hex key

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

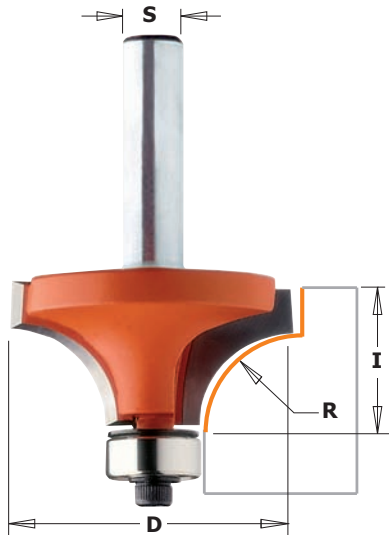
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Roundover bits



## 7/8/938

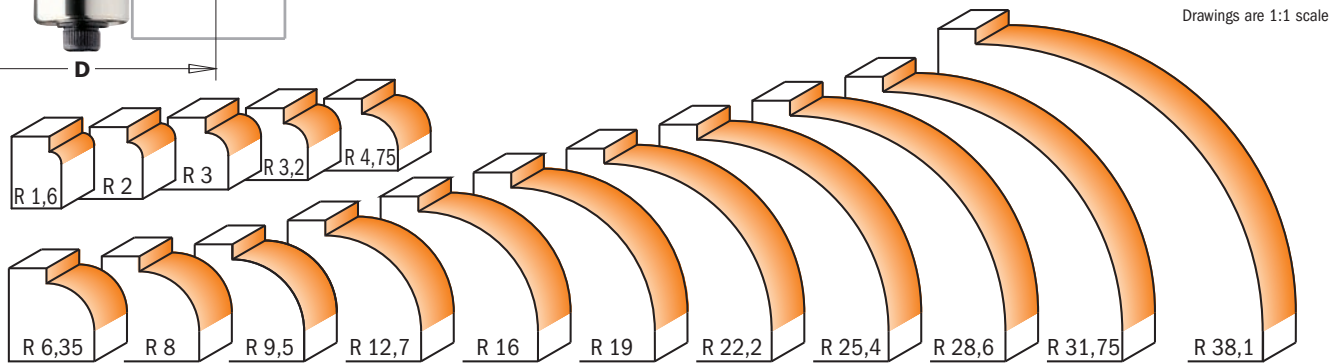
The smaller bearing on the CMT Beading bits makes a delicate inset at the base of the cut, giving you the advantage of an extra decorative option.

BE SURE to keep the black bearing washer right side up to correspond with the bearing rotation when reassembling the bearing. Improper reassembly can cause the bit to unscrew. All CMT roundover bits have a 12,7mm bearing diameter with the exception of the radius 28,6mm and 31,7mm bits which have a 19mm bearing diameter. You have 13 different radii to choose from, the majority having 5 shank diameter options. All bits are made of Fatigue Proof® steel and have carbide-tipped cutting edges.

**Shop Tips:** The CMT 1.6mm radius roundover bit is excellent for finishing laminates. Virtually eliminates the filing required when using conventional trim bits.

**Safety Tips:** Use caution when working with large diameter bits and make more than one pass to gradually remove stock. Pay particular attention when routing small pieces; and always rout on a router table equipped with a fence.

**\*Use only on router table**



R mm	D mm	I mm	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts			
			S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm	Bearing	Washer	Washer	Hex Key
1,6	15,9	12,7	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	738.167.11		938.167.11			990.422.00	791.044.00	990.058.00	991.057.00
3	18,7	12,7	738.187.11		938.187.11			990.422.00	791.044.00	990.058.00	991.057.00
3,2	19,1	12,7	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	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	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	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	14	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	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		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				938.990.11	838.990.11	990.423.00	791.003.00	990.058.00	991.057.00
22,2	57,1	28,5				938.991.11	838.991.11	990.423.00	791.003.00	990.058.00	991.057.00
25,4	63,5	33,3				938.992.11*	838.992.11*	990.423.00	791.003.00	990.058.00	991.057.00
28,6	76,2	38,1				938.993.11*	838.993.11*	541.550.00	791.004.00	990.058.00	991.057.00
31,75	82,5	44,4				938.994.11*	838.994.11*	541.550.00	791.004.00	990.058.00	991.057.00
38,1	88,9	44,4				938.996.11*	838.996.11*	990.423.00	791.003.00	990.058.00	991.057.00

\*Use only on router table

791.044.00 Delring® Bearing

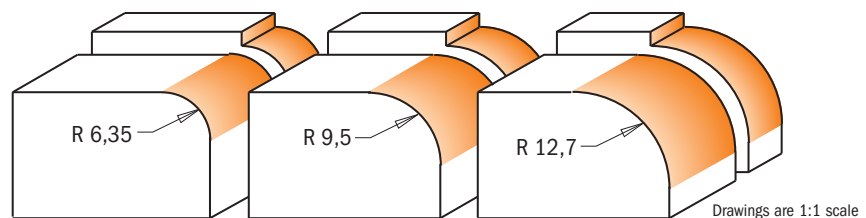
## Roundover set



## 838



CMT's Roundover Sets give you the maximum flexibility for all of your projects by putting the most requested diameters in one package. Available in 12,7mm and 6,35mm shanks. Roundover radii are 6,35mm, 9,5mm and 12,7mm. These versatile bits are always in demand - the simple clean lines of a smooth roundover edge can be used in a wide variety of applications from picture frames to table and counter tops.



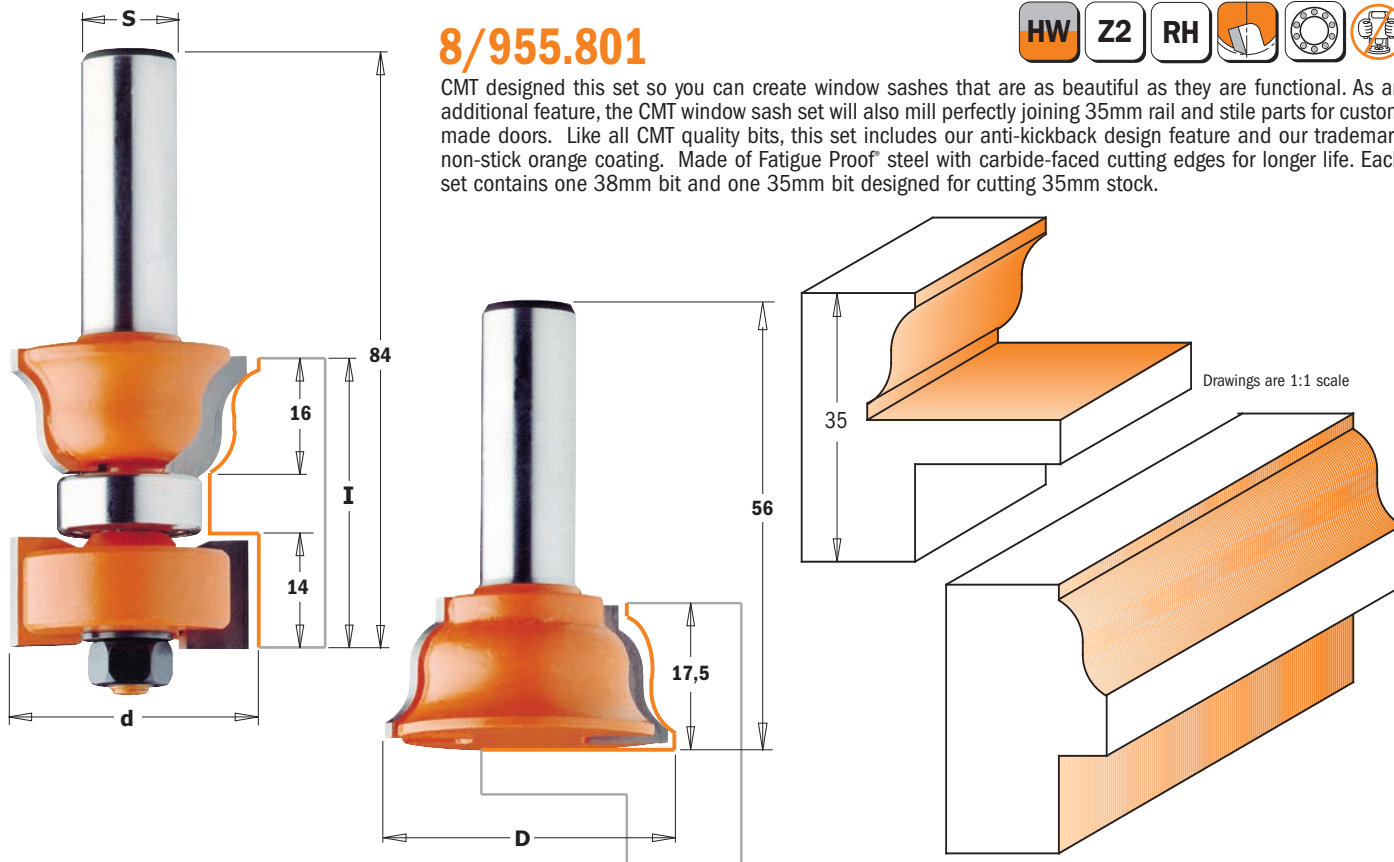
DESCRIPTION	ORDER NO.	ORDER NO.
	S=Ø6,35mm	S=Ø12,7mm
Roundover set	838.001.11	838.501.11

# Window sash set



**8/955.801**

CMT designed this set so you can create window sashes that are as beautiful as they are functional. As an additional feature, the CMT window sash set will also mill perfectly joining 35mm rail and stile parts for custom made doors. Like all CMT quality bits, this set includes our anti-kickback design feature and our trademark non-stick orange coating. Made of Fatigue Proof® steel with carbide-faced cutting edges for longer life. Each set contains one 38mm bit and one 35mm bit designed for cutting 35mm stock.



d	I	L	D	I	L	ORDER NO.	ORDER NO.
mm	mm	mm	mm	mm	mm	S=Ø12mm	S=Ø12,7mm
35	35	84	38	17,5	56	<b>955.801.11</b>	<b>855.801.11</b>

*Spare parts*

791.012.00	822.004.11	541.518.00	990.020.00

## Step-by-step window sash construction

### Your CMT set makes it easy!

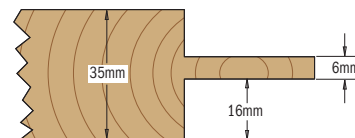
In our step-by-step example for window sash construction, we used the following:

- CMT Window Sash Set (item #855.801.11)
- stiles cut 35mm thick
- rails cut 35mm thick
- scrap stock

The CMT Window Sash Set was designed ideally for the construction of windows in 35mm stock, however variations as narrow as 28mm can be used. Stock thicker than 35mm exceeds the milling range of the cutter. Remember to adjust your measurements and cutting depths according to the wood thickness you use. We suggest making a trial joint in scrap stock according to the following steps before milling all of the cope and stick profiles.

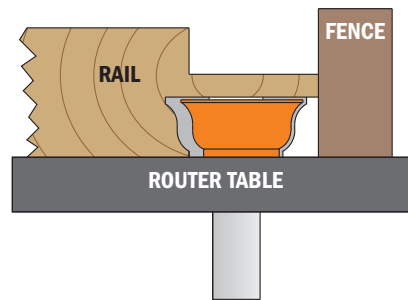
#### STEP 1 - Measurements and making the tenons

The ideal thickness of the stiles when using the CMT sash set is 35mm. The desired width of the stiles will determine the length you need to make your tenons, while the length of the stile will represent the desired full height of the sash. When cutting the rails to length, make sure to add the length of the two tenons to the overall length of the rail. The length of the tenons should be at least half the width of the stile. Mill 16mm measuring from the front face of the stock using a table saw, radial saw or router as shown in illustration 1. This measurement remains invariable since it is calculated to the height of the CMT sash routers. The width of the tenon is 6mm. Rotate the stock and mill the other side. For our example, the second milling will be 13mm but this measurement will vary if you are using thinner stock.



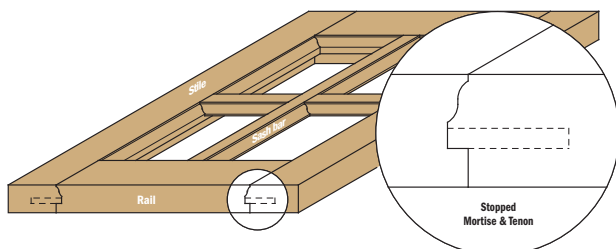
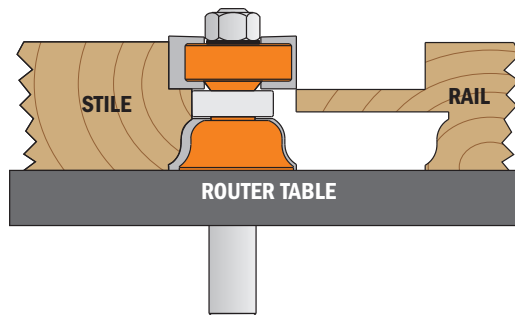
#### STEP 2 - Making the cope profile on rails, sash bar and muntins

To make the cope profile, place the rail face front down on the router table with the tenon flush to the bit as shown in illustration 2. Adjust the fence so the bit mills 6,35mm deeper than the tenon. To mill the sash bar and the muntins (cross bars), position front face down on the router table and mill without changing the height of the bit.



#### STEP 3 - Making the stick profile on rails, stile, sash bar and muntins

To mill the stick profile along the inside edges of all sash parts, place the already milled cope profile front face down on the router table and adjust the sash bit so that the lower edge of the top cutter will exactly touch the upper edge of the tenon as shown in illustration 3. With the rail still face down on the table, turn it so the inside edge of the rail is touching the bit and mill the stick profile. Mill the inside edges of the stiles and mill both edges of the front face of the sash bar and muntins. To cut the slots for the tenons, measure 16mm from the front face of the stiles and rout with a table saw.



Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

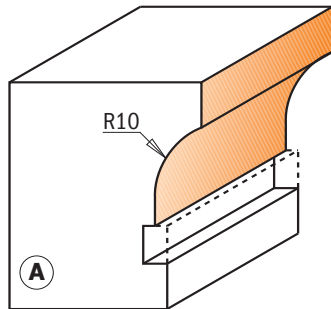
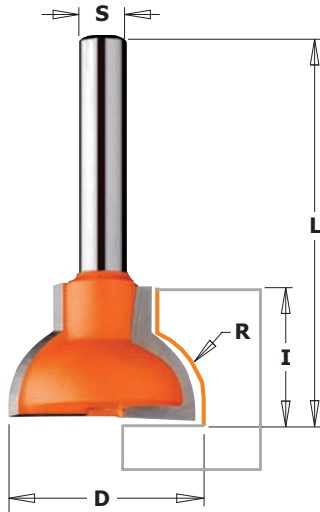
Display Cabinets

## Ovolo sash bits

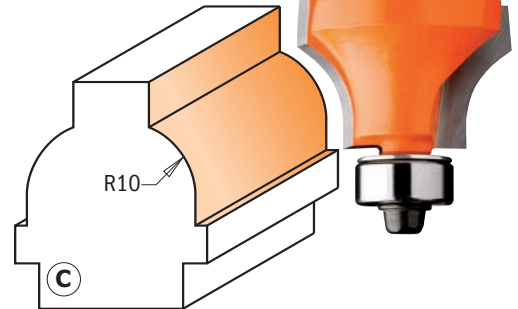
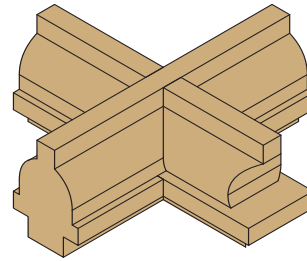
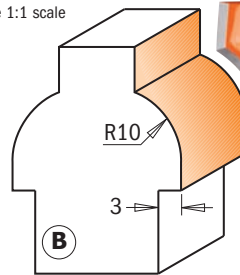


### 8/955.3

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.



Drawings are 1:1 scale



D mm	I mm	R mm	L mm	Profile	ORDER NO. S=∅6,35mm	ORDER NO. S=∅8mm
22	19	10	50,8	B	<b>855.307.11F</b>	<b>955.307.11F</b>
22	19	10	50,8	A	<b>855.307.11M</b>	<b>955.307.11M</b>
28	19	10	61,2	C	<b>855.308.11F</b>	<b>955.308.11F</b>

Spare parts

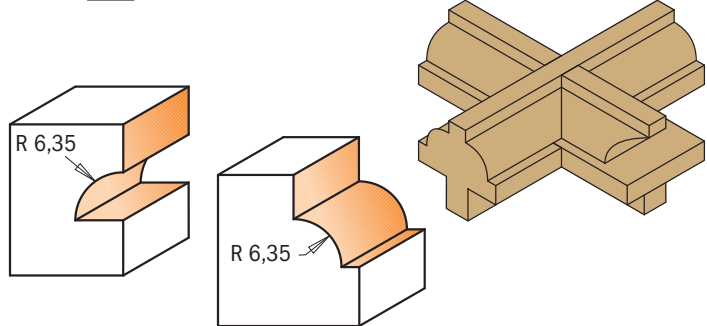
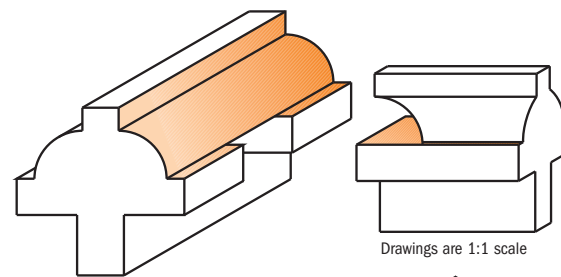
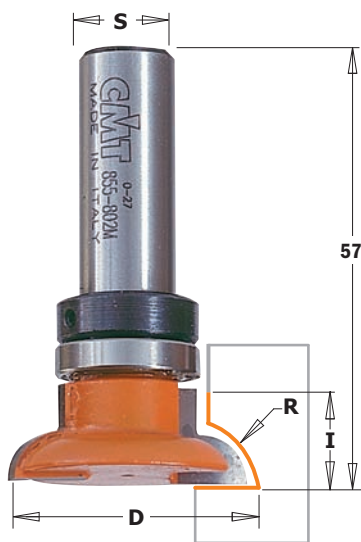


990.423.00 791.003.00 990.058.00 991.057.00

## Ovolo sash set



### 955.302 - 855.802



d mm	D mm	I mm	R mm	ORDER NO. S=∅8mm	ORDER NO. S=∅12,7mm
30	31,7	12	6,35	<b>955.302.11</b>	<b>855.802.11</b>

Spare parts



990.423.00 791.003.00 990.058.00 991.057.00 791.011.00 541.002.00

Spare parts 991.056.00 1,5mm hex key

# Flute & bead set



Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

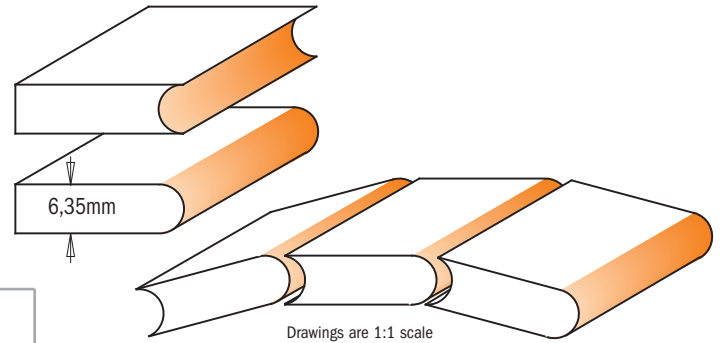
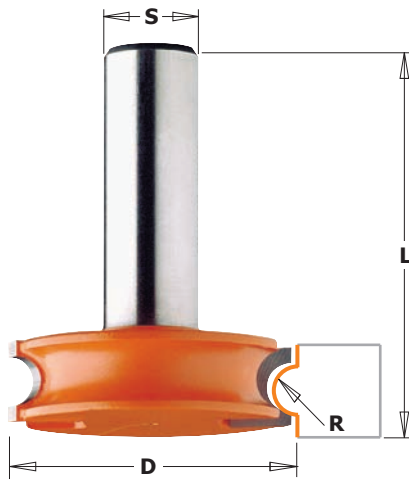
Display Cabinets



## 8/955.701

This perfectly mated CMT set is ideal for making canoe slats and hot tubs. Featuring tungsten carbide, the bits' cutting edges stay sharp after cutting large amounts of stock, and the anti-kickback design lets you work safely.

Use both the flute and the bead bits for 6,35mm (1/4") slats as shown below.



Drawings are 1:1 scale

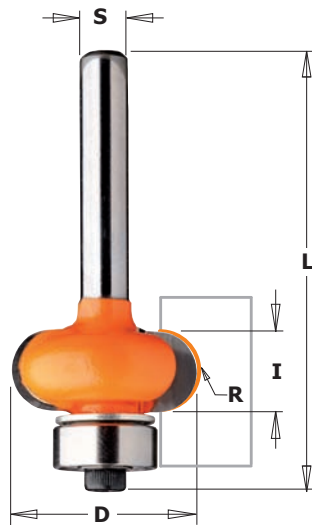
R mm	D mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3,2	38	48,1	<b>955.701.11</b>	<b>855.701.11</b>

# Edge-fluting bits

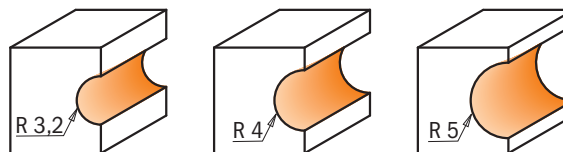
## 7/862



The edge-fluting bearing guided bits are quick to set up can be used for curved screens, small radius grooves, doors etc. no side fence required. Use in a handheld or table-mounted router.



**For Top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)**



Drawings are 1:1 scale



R mm	D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	Spare parts				
3,2	19,05	6,4	57	<b>762.032.11</b>	<b>862.032.11</b>					
4	20,7	8	57	<b>762.040.11</b>	<b>862.040.11</b>	990.423.00	791.003.00	990.058.00	991.057.00	
5	22,7	10	57	<b>762.050.11</b>	<b>862.050.11</b>	990.423.00	791.003.00	990.058.00	991.057.00	

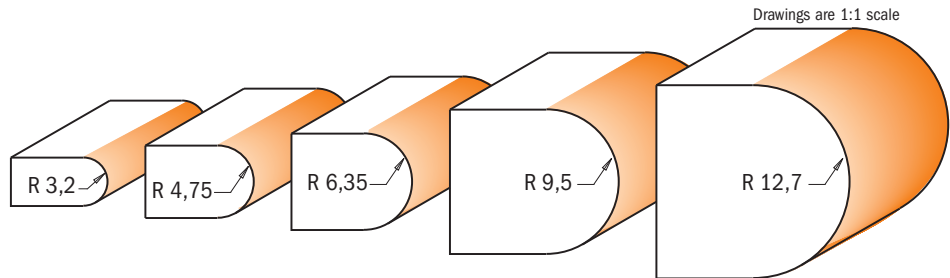
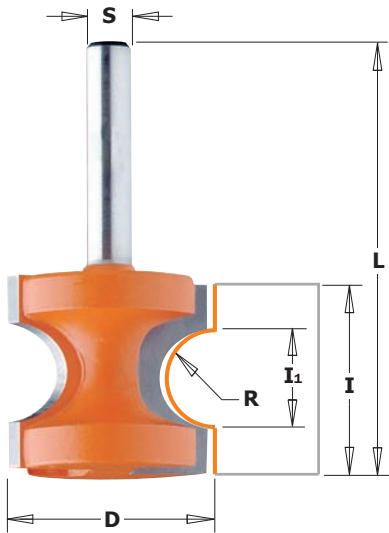
## Bead & Bull nose bits



### 7/8/954

CMT bull nose bits create beautifully finished edges on stair treads, window sills and shelves in a pass. Add a final touch by using a cutter with a bead diameter wider than the stock thickness. CMT bull nose bits have bead diameters from 6,35mm (1/4") to 25,4mm (1") and each bit features carbide-tipped cutting edges, anti-kickback design and the orange PTFE non-stick coating trademark.

**Safety tips:** to be used only on router tables equipped with a fence. Do not remove the workpiece while the bit is routing.



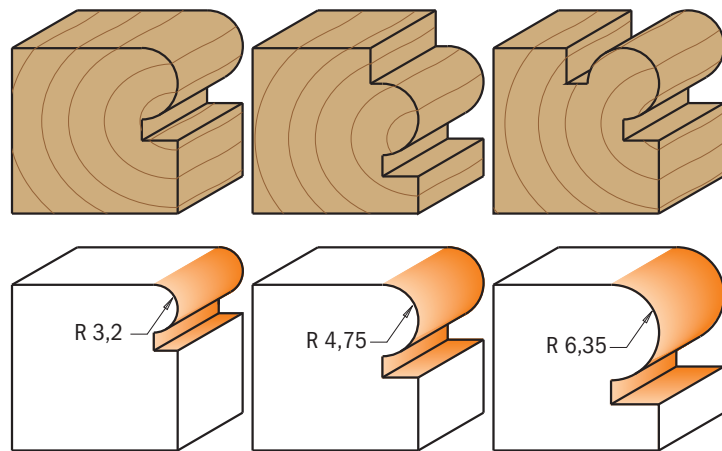
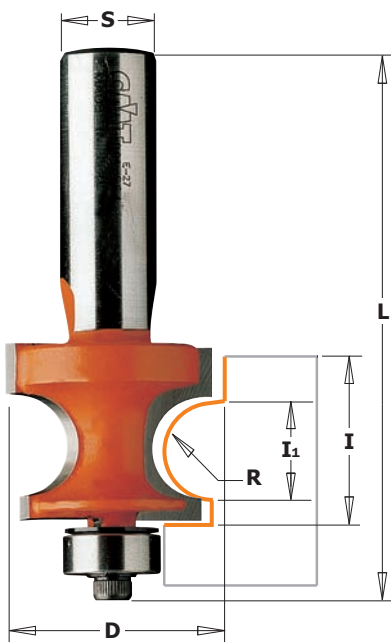
R	D	I <sub>1</sub>	I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
mm	mm	mm	mm	mm	S=∅6mm	S=∅6,35mm	S=∅8mm	S=∅12mm	S=∅12,7mm
3,2	22,2	6,56	19	50,8	<b>754.002.11</b>	<b>854.002.11</b>	<b>954.002.11</b>		
3,2	22,2	6,56	19	57,2				<b>954.502.11</b>	<b>854.502.11</b>
4,75	25,4	9,85	22	54	<b>754.003.11</b>	<b>854.003.11</b>	<b>954.003.11</b>		
4,75	25,4	9,85	22	60,4				<b>954.503.11</b>	<b>854.503.11</b>
6,35	28,6	13,15	25,5	57,2	<b>754.004.11</b>	<b>854.004.11</b>	<b>954.004.11</b>		
6,35	28,6	13,15	25,5	63,5				<b>954.504.11</b>	<b>854.504.11</b>
9,5	34,9	19,71	35	73				<b>954.507.11</b>	<b>854.507.11</b>
12,7	44,5	26,30	41	79,4				<b>954.509.11</b>	<b>854.509.11</b>

## Corner beading bits



### 7/8/961

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.



R	D	I <sub>1</sub>	I	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts		
mm	mm	mm	mm	mm	S=∅6mm	S=∅6,35mm	S=∅8mm	S=∅12mm	S=∅12,7mm			
3,2	22,2	6,50	15	57,7	<b>761.032.11</b>	<b>861.032.11</b>	<b>961.032.11</b>			990.423.00	791.003.00	990.058.00
3,2	22,2	6,50	15	64				<b>961.532.11</b>	<b>861.532.11</b>	990.423.00	791.003.00	990.058.00
4,75	25,4	9,68	18,6	61,2	<b>761.048.11</b>	<b>861.048.11</b>	<b>961.048.11</b>			990.423.00	791.003.00	990.058.00
4,75	25,4	9,68	18,6	67,6				<b>961.548.11</b>	<b>861.548.11</b>	990.423.00	791.003.00	990.058.00
6,35	28,6	12,86	22,2	64,8	<b>761.064.11</b>	<b>861.064.11</b>	<b>961.064.11</b>			990.423.00	791.003.00	990.058.00
6,35	28,6	12,86	22,2	71,7				<b>961.564.11</b>	<b>861.564.11</b>	990.423.00	791.003.00	990.058.00

**Spare parts** 991.057.00 3/32" hex key



## Roman ogee bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

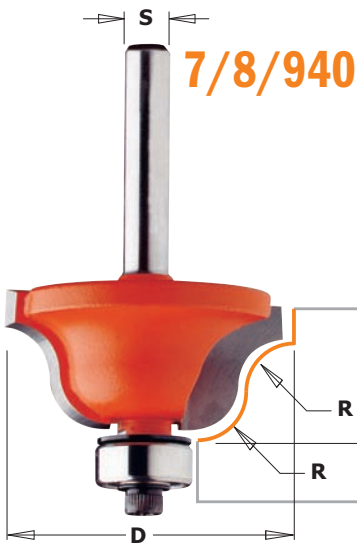
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

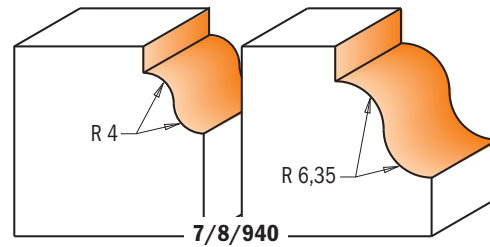
Power Tools & Accessories

Display Cabinets



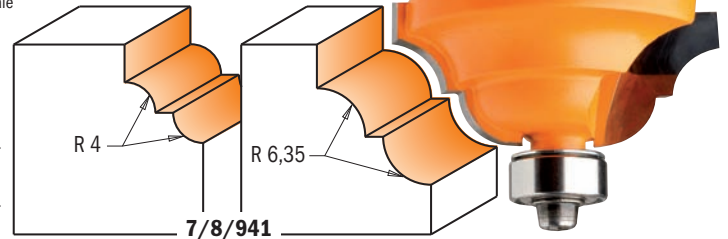
The roman ogee may be the most popular edge treatment in woodworking, and it is certainly one of the most beautiful. This bit includes all CMT bit features and produces a perfect rendition of classic design.

**Shop tips:** for best results, multiple passes are recommended.



**7/8/941**

Drawings are 1:1 scale



This bit takes the Roman ogee a step further. The horizontal bead adds style and elegance to the traditional shape.

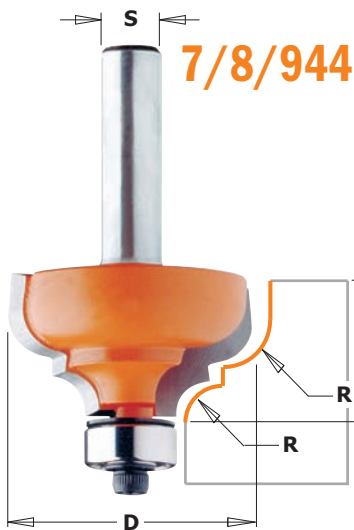
**Shop tips:** for best results, multiple passes are recommended.

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
4	28,7	11,5	740.270.11	840.270.11	940.270.11	940.770.11	840.770.11
6,4	38,1	17,3	740.350.11	840.350.11	940.350.11	940.850.11	840.850.11
4	33,4	13	741.285.11	841.285.11	941.285.11	941.785.11	841.785.11
6,4	42,8	18,5	741.380.11	841.380.11	941.380.11	941.880.11	841.880.11

Spare parts

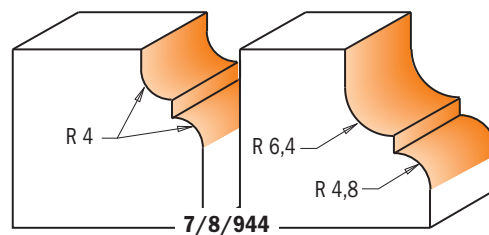
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

## Classical ogee bits



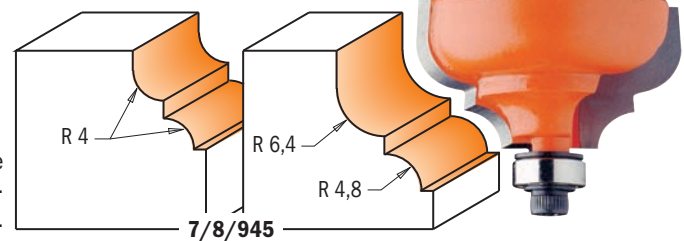
CMT's classical ogee bits feature an inverted ogee profile, with the concave edge adjacent to the upper surface of the workpiece. A vertical bead was added to separate the curves and creates an eye-catching shape.

**Shop tips:** for best results, multiple passes are recommended.



**7/8/945**

Drawings are 1:1 scale



This profile includes a horizontal bead along the bottom of the profile adding a decorative detail to the traditional ogee design.

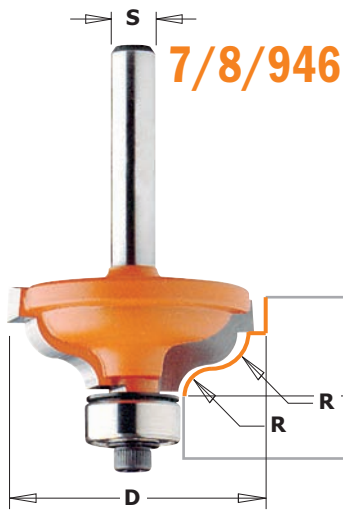
**Shop tips:** for best results, multiple passes are recommended.

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
4	28,7	13	744.287.11	844.287.11	944.287.11	944.787.11	844.787.11
6,4-4,8	35	18,5	744.350.11	844.350.11	944.350.11	944.850.11	844.850.11
4	28,7	13	745.287.11	845.287.11	945.287.11	945.787.11	845.787.11
6,4-4,8	35	18,5	745.350.11	845.350.11	945.350.11	945.850.11	845.850.11

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

## Ogee with fillet bits



**7/8/946**

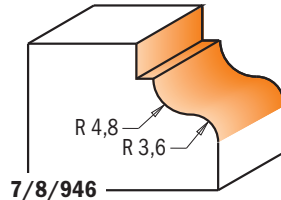


Take a complete assortment of CMT ogee bits into your shop. These bits feature micrograin carbide edges, high strength steel and the trademarked orange non-stick PTFE coating.

**Shop tips:** for best results, multiple passes are recommended.

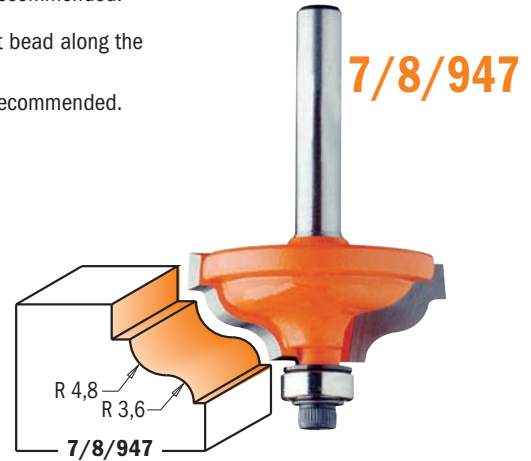
For a more-detailed profile, this bit adds an inset bead along the lower edge of the cut.

**Shop tips:** for best results, multiple passes are recommended.

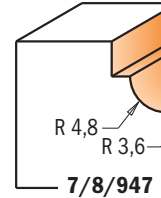


**7/8/946**

Drawings are 1:1 scale



**7/8/947**



**7/8/947**

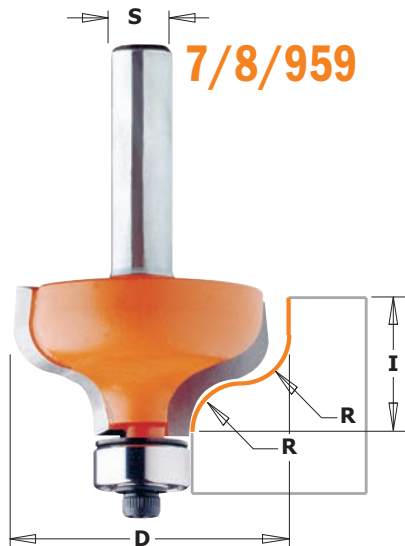
*Spare parts*



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	<b>746.325.11</b>	<b>846.325.11</b>	<b>946.325.11</b>	<b>946.825.11</b>	<b>846.825.11</b>
4,8-3,6	34,2	13	<b>747.325.11</b>	<b>847.325.11</b>	<b>947.325.11</b>	<b>947.825.11</b>	<b>847.825.11</b>

990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

## Ogee bits



**7/8/959**

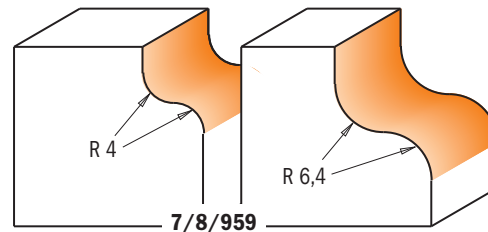


These profiles are the mirror image of the traditional roman ogee. They add a sharp defining details to the edges of cabinets and furniture, before rolling into a smooth convex shape.

**Shop tips:** for best results, multiple passes are recommended.

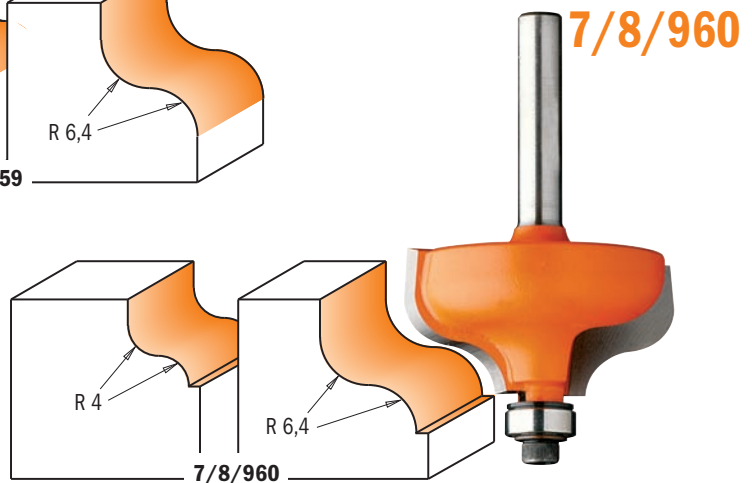
These bits are identical to the 7/8/959 series with the addition of an inset bead along the lower edge.

**Shop tips:** for best results, multiple passes are recommended.

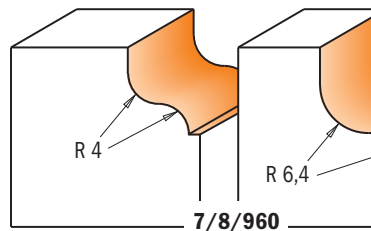


**7/8/959**

Drawings are 1:1 scale



**7/8/960**



**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	<b>759.040.11</b>	<b>859.040.11</b>	<b>959.040.11</b>	<b>959.540.11</b>	<b>859.540.11</b>
6,4	38,1	18	<b>759.064.11</b>	<b>859.064.11</b>	<b>959.064.11</b>	<b>959.564.11</b>	<b>859.564.11</b>
4	28,7	13	<b>760.040.11</b>	<b>860.040.11</b>	<b>960.040.11</b>	<b>960.540.11</b>	<b>860.540.11</b>
6,4	38,1	18	<b>760.064.11</b>	<b>860.064.11</b>	<b>960.064.11</b>	<b>960.564.11</b>	<b>860.564.11</b>

*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

# Plunge ogee bits



## 7/8/948 - 7/8/948B

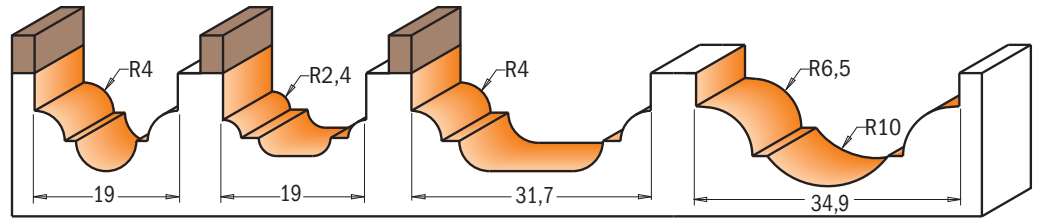
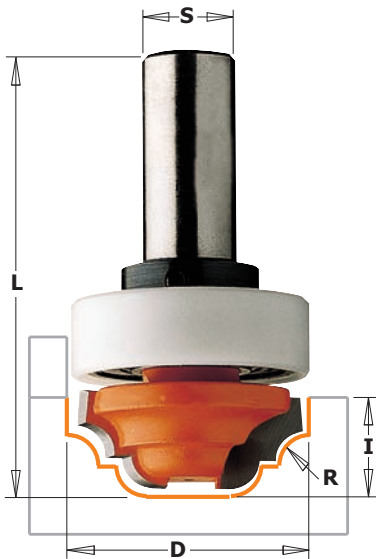


You will never run out of ideas with this creative bit. Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

For even more options, try the CMT plunge ogee with bearing guide for pattern following.

For more CMT ogee profile options, choose among plunge ogee bits equipped with top bearing. Excellent for achieving accurate decorative work and guaranteed for long lasting performance.

Drawings are 1:1 scale



D mm	R mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
19	4	13	51,1	748.190.11	848.190.11	948.190.11		
19	2,4	12	53	748.191.11	848.191.11	948.191.11		
31,7	4	13	58			948.317.11	948.817.11	848.817.11
34,9	6,5-10	15	68				948.850.11	848.850.11
<b>with top bearing</b>								
19	4	13	51,1	748.190.11B				
19	4	13	51,1		848.190.11B			
19	2,4	12	53	748.191.11B				
19	2,4	12	53		848.191.11B			
31,7	4	13	58			948.317.11B		
31,7	4	13	58				948.817.11B	
31,7	4	13	58					848.817.11B



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

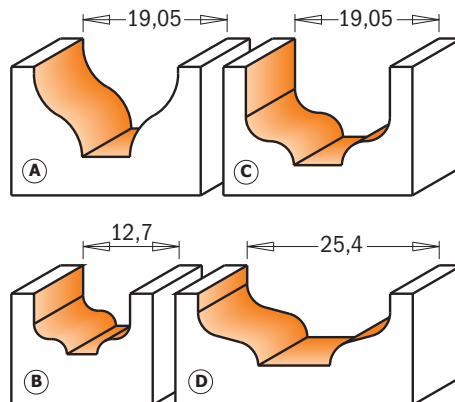
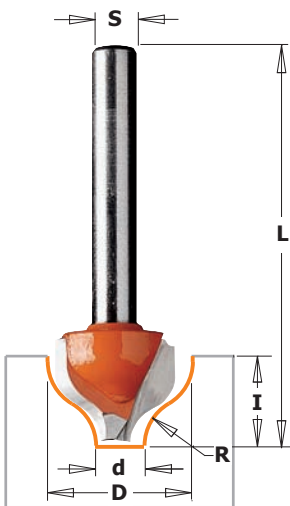
Spare parts 990.005.00 M3x3mm screw

# Decorative ogee bits

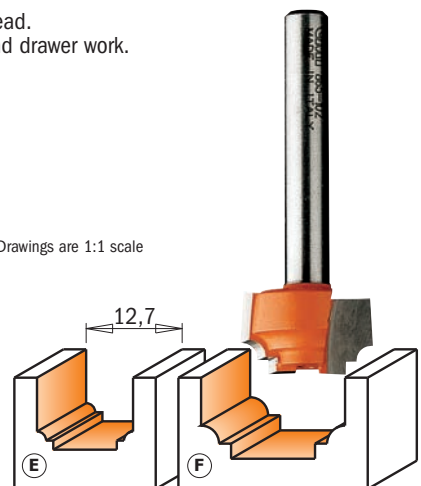
## 7/8/965



This new CMT bit produces a classic single or double edged bead. Ideal for creating a marked decorative effect on panel, door and drawer work.



Drawings are 1:1 scale



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	765.001.11	865.001.11	965.001.11	965.501.11	865.501.11
12,7	4	2	8	51	B		865.002.11	965.002.11		
19	6,35	3,2	13	68	C				965.503.11	865.503.11
25,4	9,5	3,2	9,5	49	D				965.504.11	865.504.11
12,7	8,4	1,2	12,7	50,8	E	765.101.11	865.101.11	965.101.11		
19	11,1	2,4	11	50,8	F	765.102.11	865.102.11	965.102.11		

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

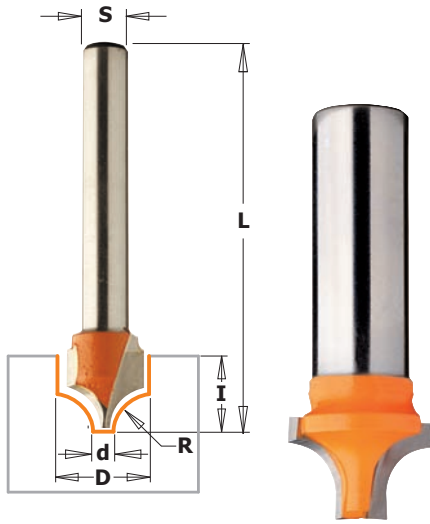
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## Decorative ogee bits

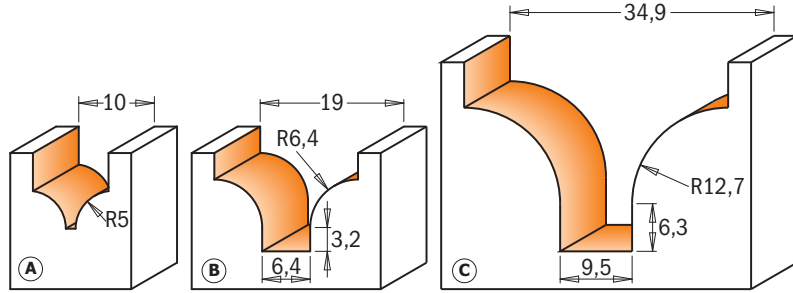


### 7/8/965



Enhance your doors and drawer fronts and leave your visitors amazed! This ogee bit cutting edges are carbide-tipped for effective, smooth and eye-catching work.

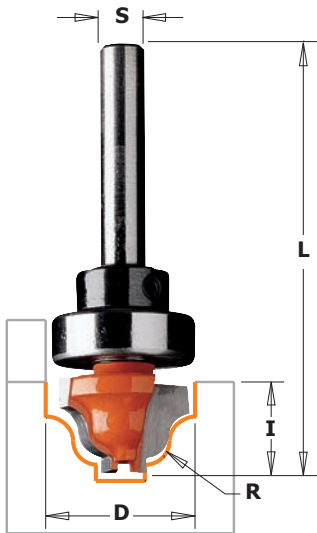
Make subtle decorative edges with this bit! Perfect for enhancing doors and drawer fronts, it will deliver smooth and flawless results. Carbide-tipped to ensure a clean, sharp and precise cut.



Drawings are 1:1 scale

D mm	d mm	R mm	I mm	L mm	Profile	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
10	1,3	5	10	50	A	<b>765.402.11</b>	<b>865.402.11</b>	<b>965.402.11</b>		
19,05	6,35	6,35	13	51	B				<b>965.903.11</b>	<b>865.903.11</b>
34,9	9,52	12,7	25	65,5	C				<b>965.904.11</b>	<b>865.904.11</b>

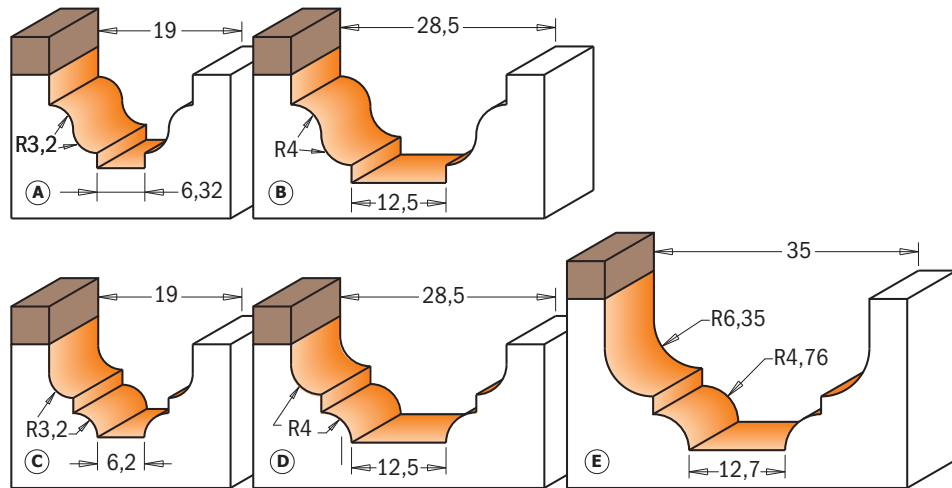
## Classical bead bits



### 7/8/965B



This bit gives you even more decorative possibilities for panel and edge work. The bit design gives a wide flat bottom cut and a longer shank allows for a greater depth in the detail of the profile.



Drawings are 1:1 scale

D mm	R mm	I mm	L mm	Profile	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
19	3,2	12,3	54	A	<b>765.201.11B</b>							
19	3,2	12,3	54	A		<b>865.201.11B</b>				791.007.00	541.003.00	991.056.00
28,6	4	14,3	58,8	B			<b>965.202.11B</b>			791.004.00	541.001.00	991.056.00
28,6	4	14,3	58,8	B				<b>965.702.11B</b>		791.027.00	541.002.00	991.056.00
28,6	4	14,3	58,8	B					<b>865.702.11B</b>	791.027.00	541.005.00	991.056.00
19	3,2	12,3	54	C	<b>765.301.11B</b>					791.027.00	541.002.00	991.056.00
19	3,2	12,3	54	C		<b>865.301.11B</b>				791.007.00	541.003.00	991.056.00
28,6	4	13,3	58	D			<b>965.302.11B</b>		<b>865.802.11B</b>	791.004.00	541.001.00	991.056.00
28,6	4	13,3	58	D				<b>965.802.11B</b>		791.027.00	541.002.00	991.056.00
34,9	4,76 - 6,35	18,5	66,1	E			<b>965.303.11B</b>			791.027.00	541.005.00	991.056.00
34,9	4,76 - 6,35	18,5	66,1	E					<b>865.803.11B</b>	791.031.00	541.004.00	991.056.00
										791.029.00	541.002.00	991.056.00

Spare parts **990.005.00** M3x3mm screw

# CMT Molding system

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

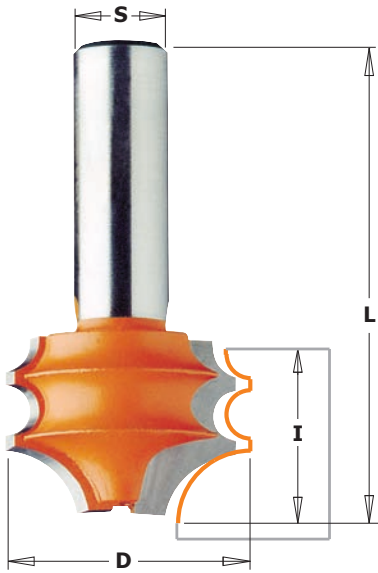
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 8/956.852

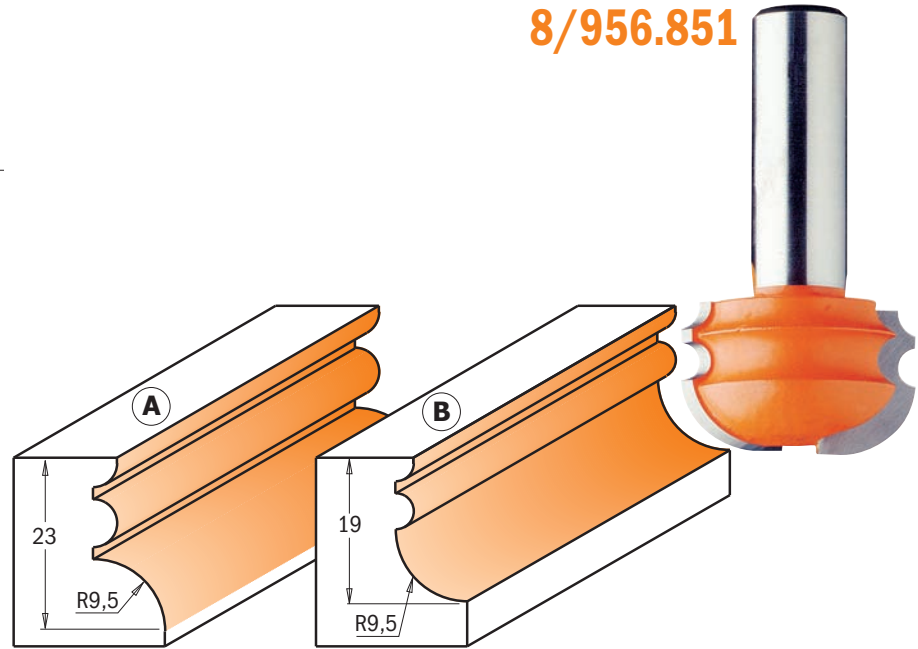
If the standard selection of molding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then look to CMT's molding system instead. With these bits, you can make dozens of elaborate profiles by combining two or more passes. Avoid the average and create your own moldings. Some initial suggestions are illustrated below.

**Safety tips:** use these bits with a fence.

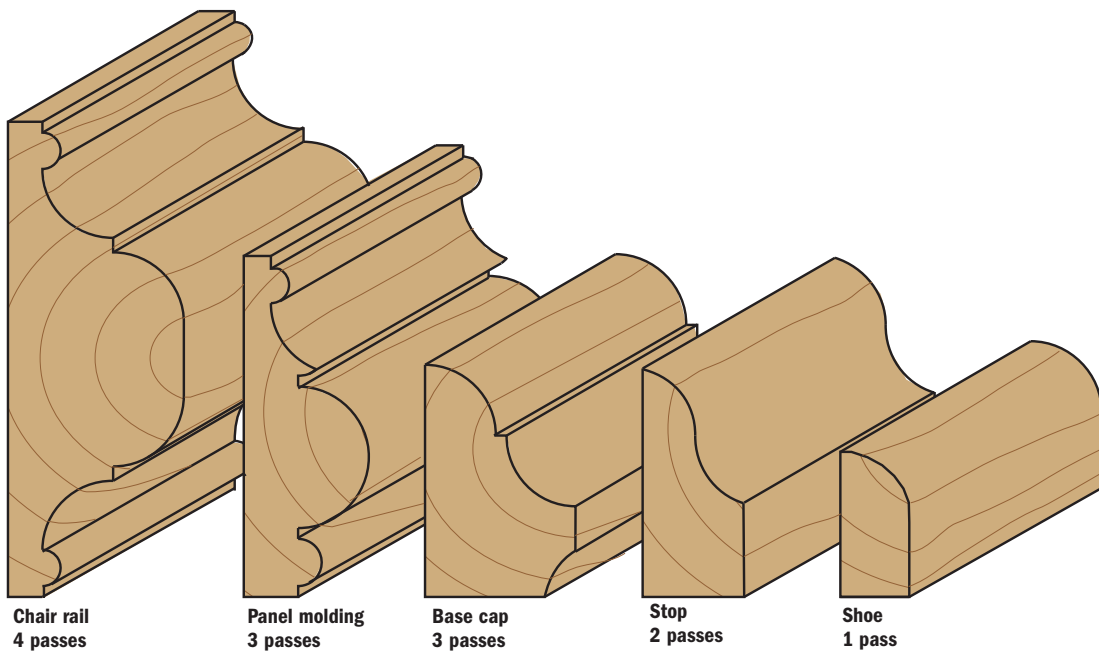
The profiles shown below are milled from heavy stock then refined to the desired shape.



## 8/956.851



Drawings are 1:1 scale



Profile	D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
A	31,7	23	61,1	956.852.11	856.852.11
B	31,7	19	57,2	956.851.11	856.851.11

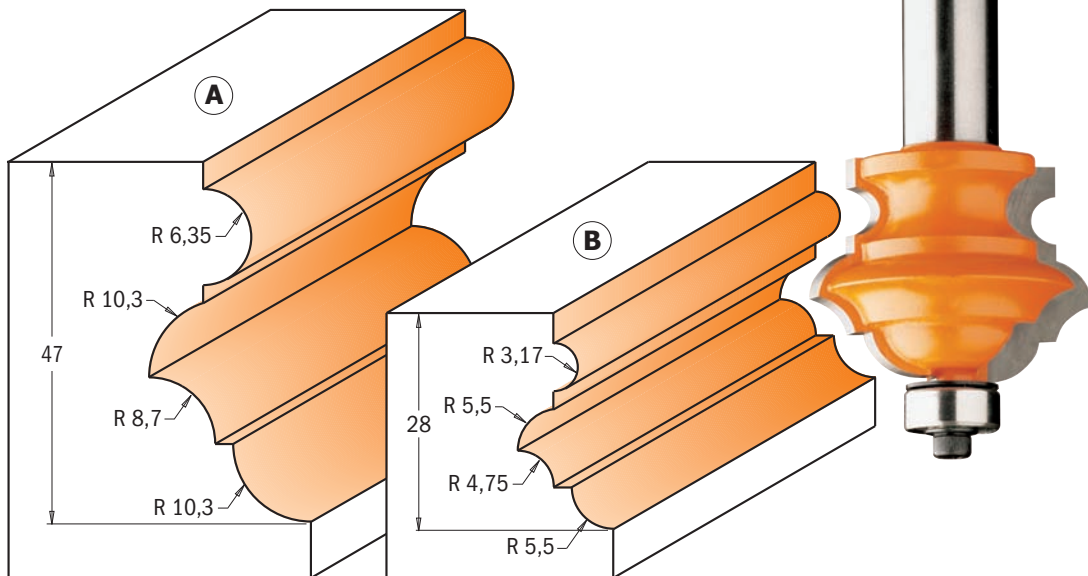
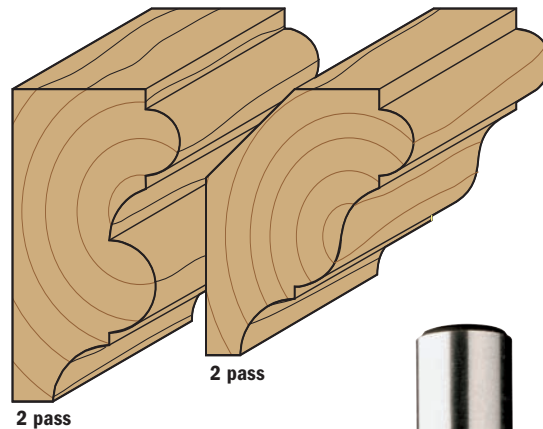
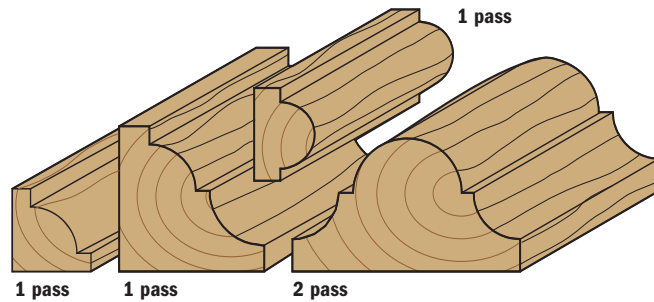
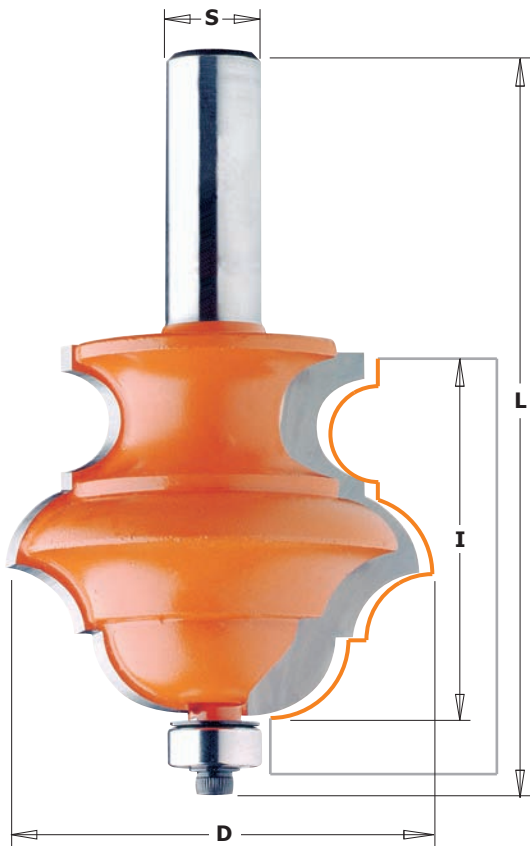
# Multiprofile bits



## 8/956.8

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 baked-on non-stick PTFE coating and anti-kickback design. To be used on tables equipped with a fence.

**Safety tips:** to make small molding as shown below, cut the profile from very wide stock. Remove the excess material and work on the bigger piece to give you easier control. Keep hands far from the bit when working.



Drawings are 1:1 scale

Profile	D mm	I mm	L mm	ORDER NO.	ORDER NO.	Spare parts			
				S=Ø12mm	S=Ø12,7mm				
A	55,6	47	96,4	<b>956.802.11</b>	<b>856.802.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
B	38,1	28	77,5	<b>956.801.11</b>	<b>856.801.11</b>	990.423.00	791.003.00	990.058.00	991.057.00

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

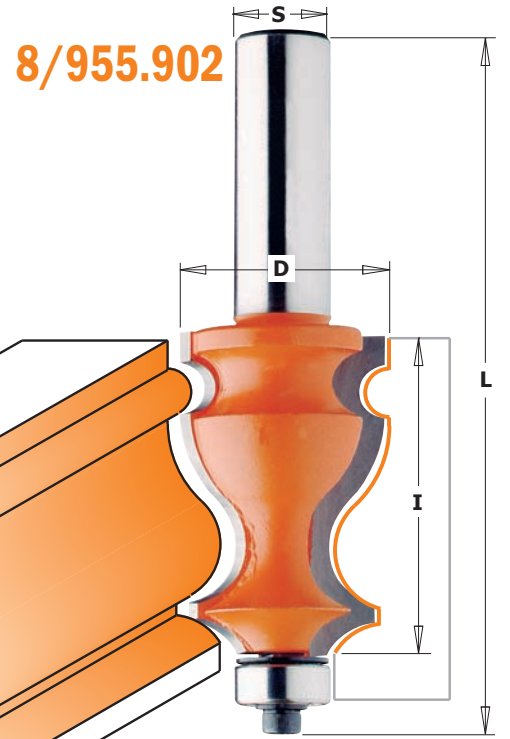
Spare Parts

Power Tools & Accessories

Display Cabinets

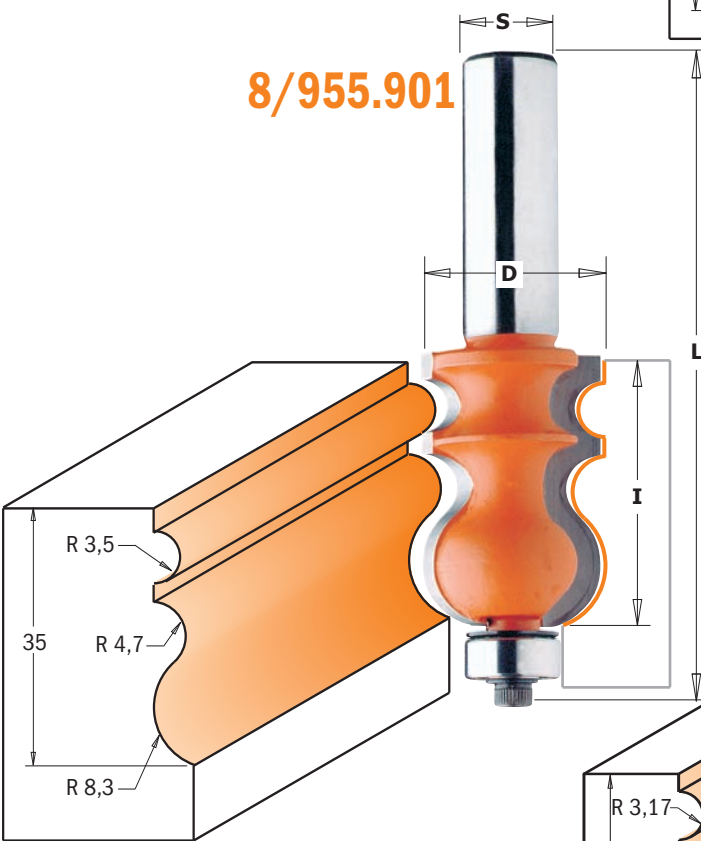
# Molding bits

Why waste time searching for a particular style of frame molding when you can just as quickly and easily make your own. With the wide range of decorative possibilities offered by CMT molding bits, you can always create the edge profile you want, anywhere you want and any time you want. These CMT bits are made to last a lifetime - carbide-tipped cutters and solid bar stock steel shanks can withstand serious use and the baked-on non-stick PTFE coating makes sure you continuously get clean, smooth-running cuts. Our anti-kickback feature helps guarantee you work more safely when using these wide profile bits.

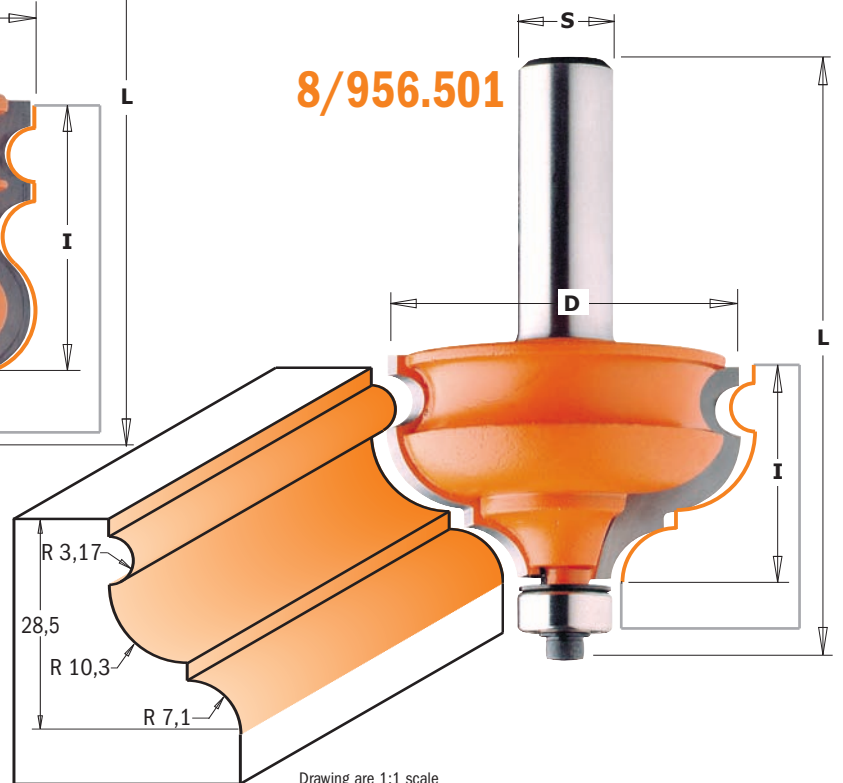


**Shop tips:** multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.





**Safety tips:** all large diameter bits such as these should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended. Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations requiring the use of these bits.



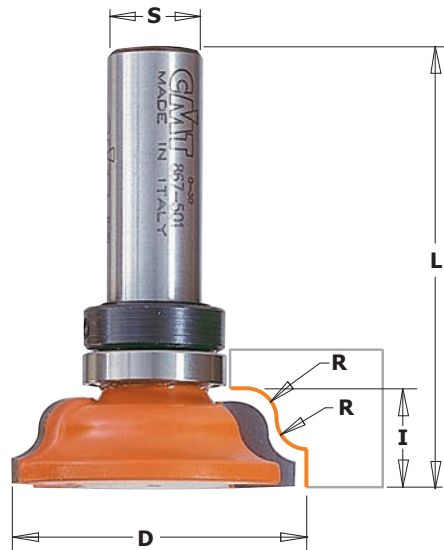
Drawing are 1:1 scale



Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
23,8	35	83,8	<b>955.901.11</b>	<b>855.901.11</b>				
27	41	90,2	<b>955.902.11</b>	<b>855.902.11</b>	990.423.00	791.003.00	990.058.00	991.057.00
47,5	28,5	77,4	<b>956.501.11</b>	<b>856.501.11</b>	990.423.00	791.003.00	990.058.00	991.057.00

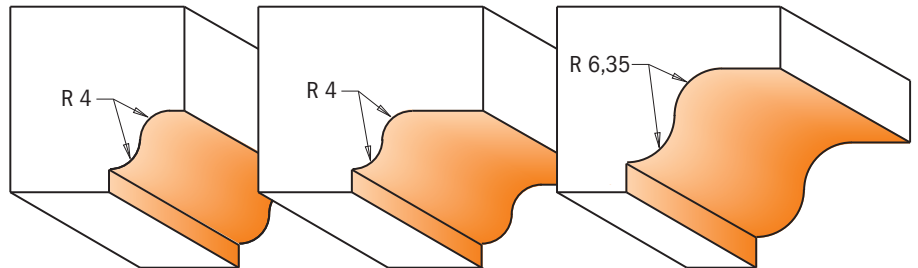
## Molding bits



### 8/967.5B



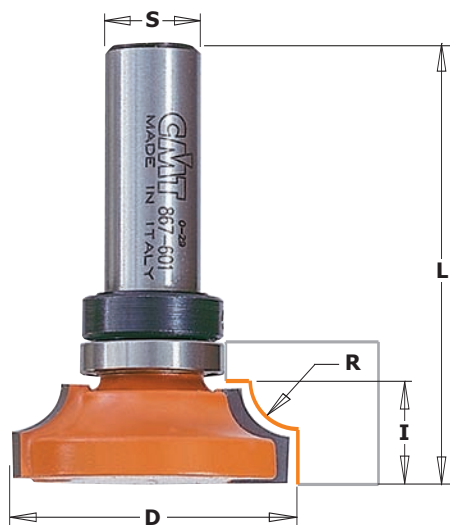
CMT's new molding bits designed by Lonnie Bird allow you to shape elegant moldings with your table saw and router. Unlike any commercially available crown moldings, moldings made with these bits are easy to install and create a finished appearance. After shaping the cove, you can use special router bits with inverted profiles to create different edges and complete the molding.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
4	39,5	11,5	57	<b>967.001.11B</b>	<b>967.501.11B</b>	<b>867.501.11B</b>				
4	54	11,5	65,9		<b>967.502.11B</b>	<b>867.502.11B</b>	791.011.00	541.002.00	990.005.00	991.056.00
6,35	60,5	17,3	71,7		<b>967.503.11B</b>	<b>867.503.11B</b>	791.011.00	541.002.00	990.005.00	991.056.00

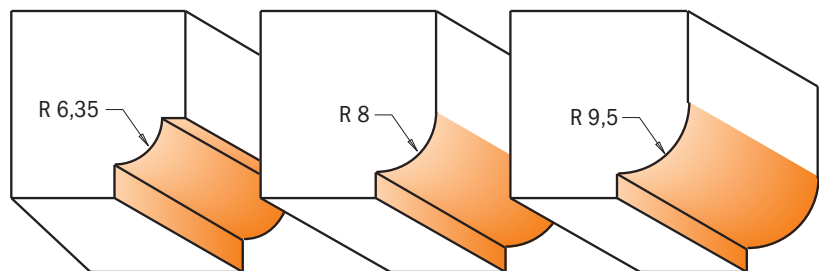
## Molding bits



### 8/967.6B



CMT's new molding bits designed by Lonnie Bird allow you to shape elegant moldings with your table saw and router. Unlike any commercially available crown moldings, moldings 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 molding.



Drawings are 1:1 scale

R mm	D mm	I mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
6,35	38	12,5	57	<b>967.101.11B</b>	<b>967.601.11B</b>	<b>867.601.11B</b>				
8	35	13,2	57,7	<b>967.102.11B</b>	<b>967.602.11B</b>	<b>867.602.11B</b>	791.011.00	541.002.00	990.005.00	991.056.00
9,5	38	14,5	59	<b>967.103.11B</b>	<b>967.603.11B</b>	<b>867.603.11B</b>	791.011.00	541.002.00	990.005.00	991.056.00



## Finger pull bit

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

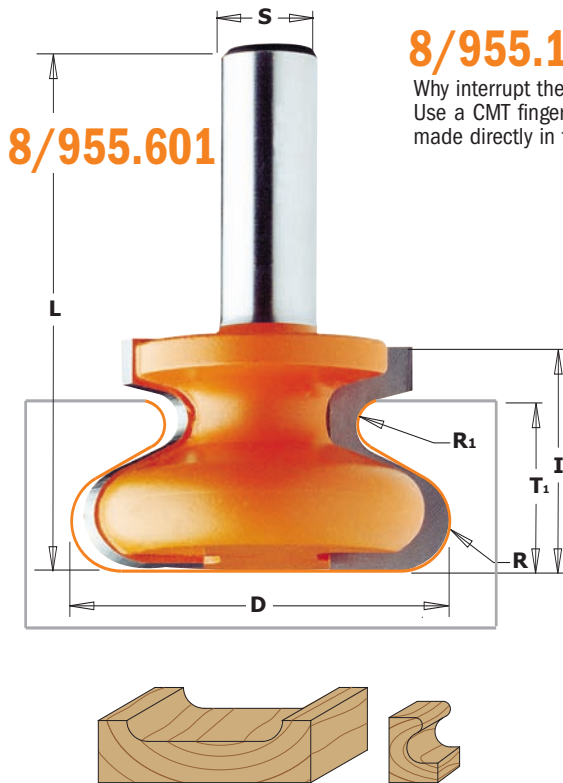
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

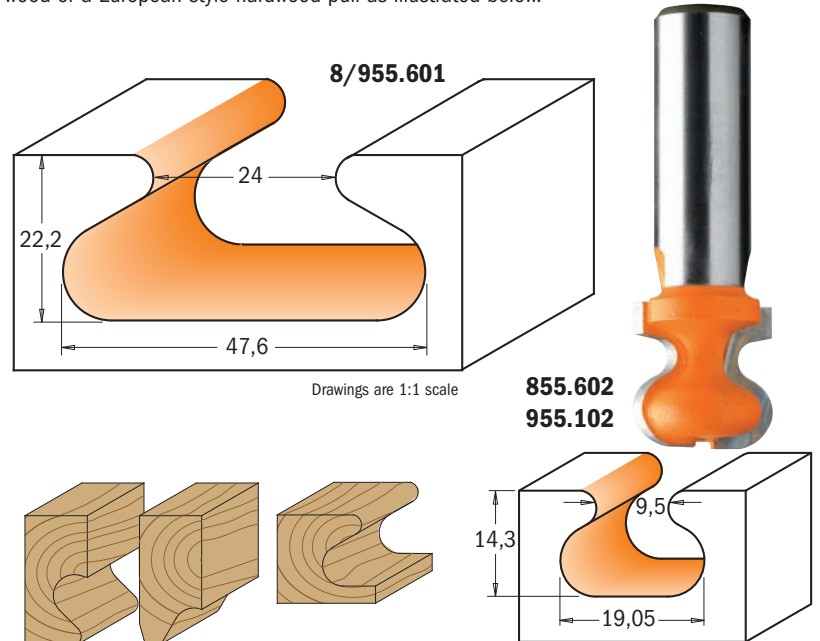
Power Tools & Accessories

Display Cabinets



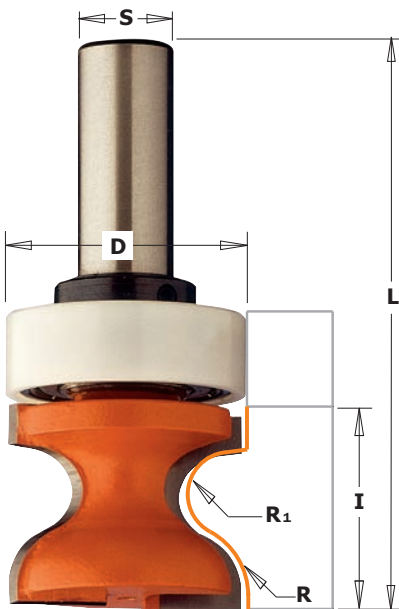
### 8/955.102-602

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. Choose your preference - a template profile made directly in the wood or a European-style hardwood pull as illustrated below.



D	T <sub>1</sub>	I	R	R <sub>1</sub>	L	ORDER NO.	ORDER NO.	ORDER NO.
mm	mm	mm	mm	mm	mm	S=∅8mm	S=∅12mm	S=∅12,7mm
19,05	14,3	19,05	4,76	2,4	57,2	<b>955.102.11</b>		<b>855.602.11</b>
47,6	22,2	28,5	6,35	3,2	66,6		<b>955.601.11</b>	<b>855.601.11</b>

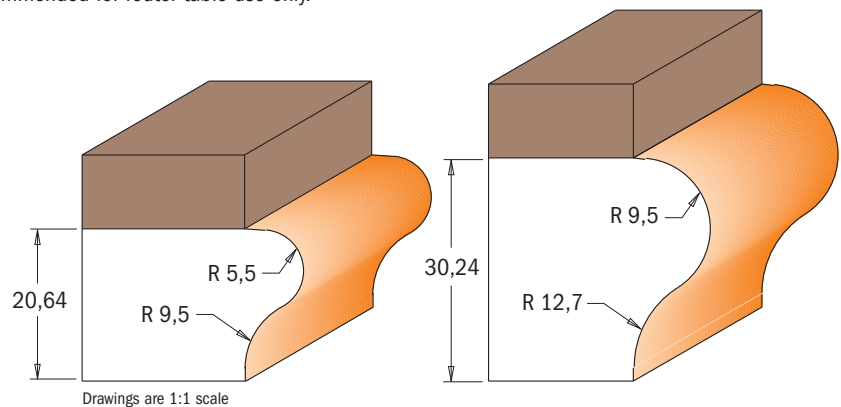
## Window sill and finger bits



### 8/955.804 - 8/955.805 8/955.804B - 8/955.805B



These profiles were originally intended for shaping the edges of window sills. Now these bits are also used for creating 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.



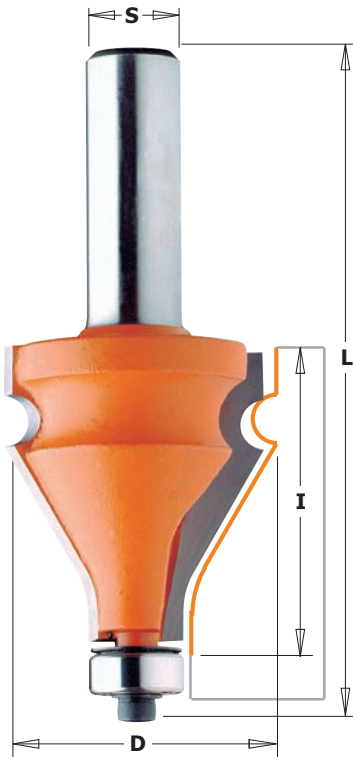
R <sub>1</sub>	R	D	I	L	ORDER NO.	ORDER NO.
mm	mm	mm	mm	mm	S=∅12mm	S=∅12,7mm
5,5	9,5	31,7	25,4	73	<b>955.804.11</b>	<b>855.804.11</b>
9,5	12,7	38,1	35	85,8	<b>955.805.11</b>	<b>855.805.11</b>
<b>with top bearing</b>						
5,5	9,5	31,7	25,4	73	<b>955.804.11B</b>	
5,5	9,5	31,7	25,4	73		<b>855.804.11B</b>
9,5	12,7	38,1	35	85,8	<b>955.805.11B</b>	
9,5	12,7	38,1	35	85,8		<b>855.805.11B</b>

Spare parts



791.015.00	541.005.00	990.005.00	991.056.00
791.015.00	541.002.00	990.005.00	991.056.00
791.020.00	541.005.00	990.005.00	991.056.00
791.020.00	541.002.00	990.005.00	991.056.00

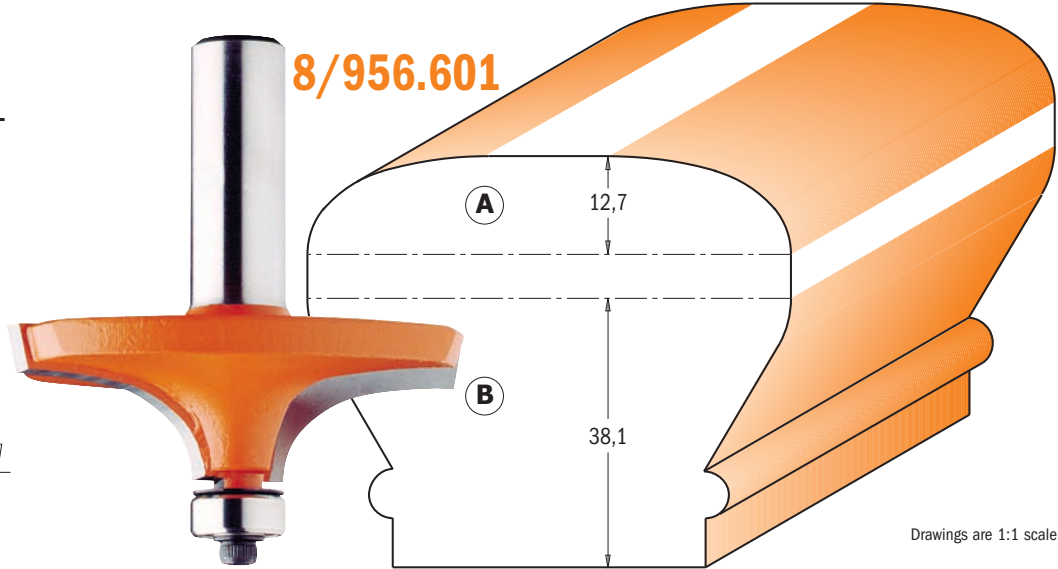
## Table edge and hand rail bits



### 8/956.701

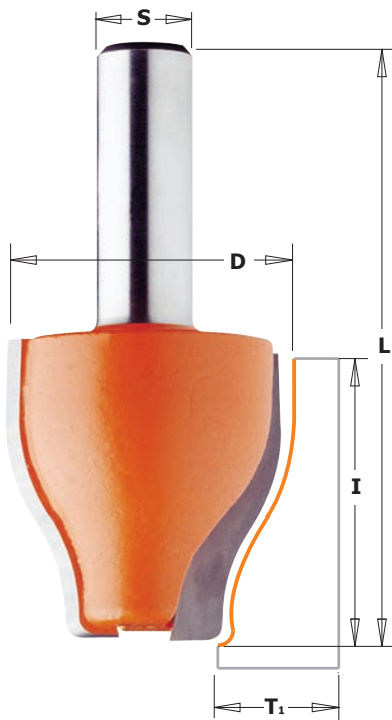
Turn a small investment into a big return with these CMT bits! They give you well-proportioned smooth curves for elegant eye-catching work on your tables. CMT hand rail bits feature 30° bevel edge and 3,2mm bead that allow you to make beautiful and functional hand rails. Add a touch of class to your architectural settings!

**Safety tips:** these profile bits remove large amounts of stock and make consistent quantities of dust. We recommend using a vacuum to keep the work area safe.



Profile	D mm	I mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm	Spare parts				
A	63,5	19	67,9	<b>956.601.11</b>	<b>856.601.11</b>					990.423.00 791.003.00 990.058.00 991.057.00
B	35	38	87	<b>956.701.11</b>	<b>856.701.11</b>					990.423.00 791.003.00 990.058.00 991.057.00

## Vertical raised panel bits



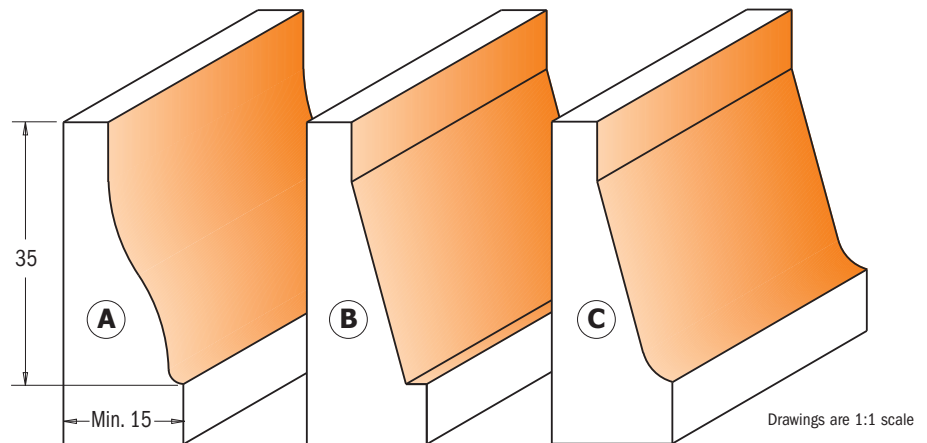
### 8/990.6



Mill raised panel doors and drawer fronts easily and economically just by putting a CMT vertical raised panel bit in your router\* and a sturdy 90° fence on your router table. Meticulously studied, designed and crafted using the highest technology available, these bits are perfected down to the smallest detail. And just like any true craftsman, we are as proud of our work as you are of yours. Choose any of the three vertical profile designs for the style you want.

\* Recommended for use on routers with a minimum speed of 2-1/4 HP. Routers as low-powered as 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.



Profile	D mm	I mm	T <sub>1</sub> mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm
A	38	38	15 ÷ 18	76,2	<b>990.601.11</b>	<b>890.601.11</b>
B	38	38	15 ÷ 18	76,2	<b>990.602.11</b>	<b>890.602.11</b>
C	38	38	15 ÷ 18	76,2	<b>990.603.11</b>	<b>890.603.11</b>

# Raised panel bit with back cutter

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

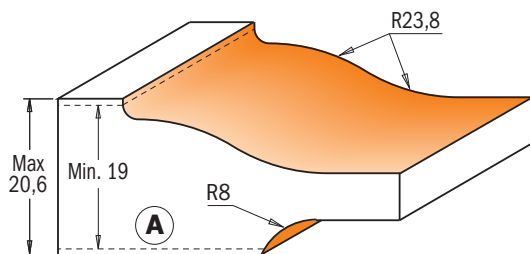
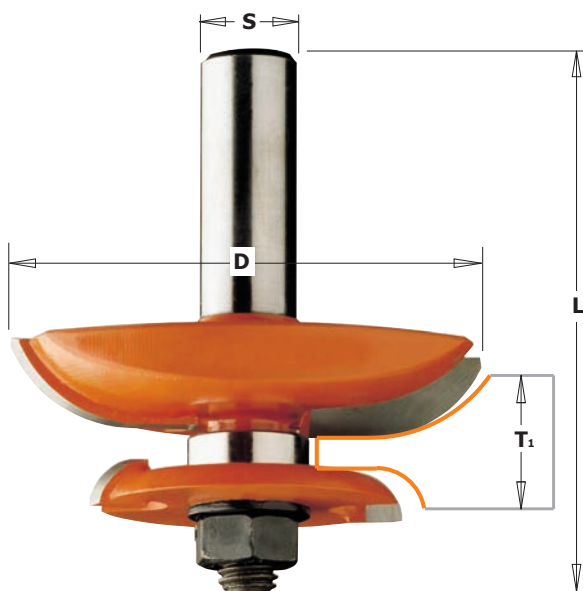
Power Tools & Accessories

Display Cabinets

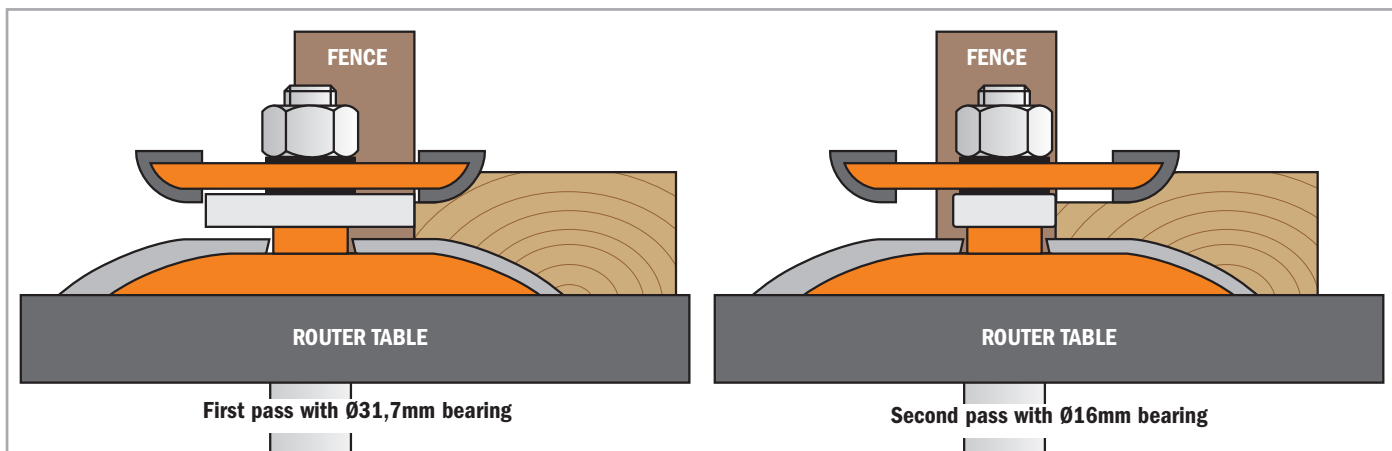
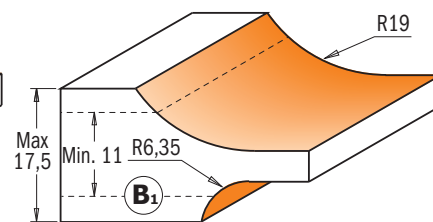
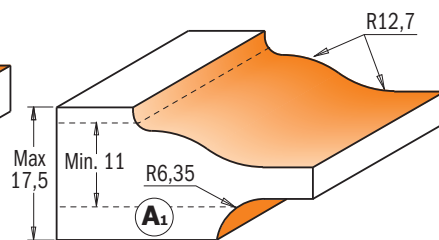
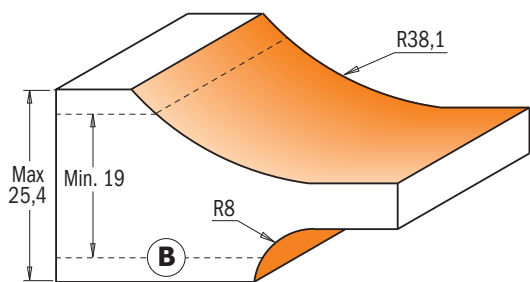
**8/990**



This 89mm diameter bit has a back-cutter which allows milling of both the front and back of the panel in the same cut. An additional 31,7mm diameter bearing promotes safety by allowing you to take two shallow passes.



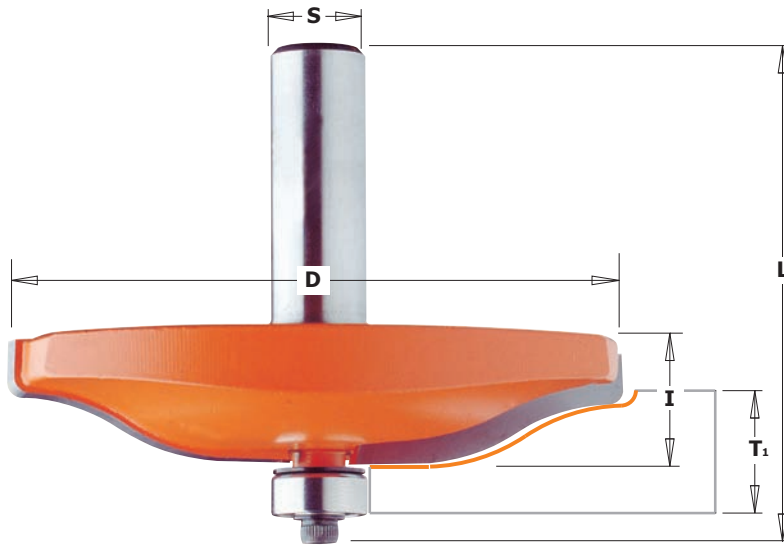
Drawings are 1:1 scale



Profile	D mm	T <sub>1</sub> mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm	Spare parts				
A	89	19 - 20,6	78,1	<b>990.524.11</b>	<b>890.524.11</b>					822.007.11 791.025.00 791.033.00 990.020.00
B	89	19 - 25,4	78,1	<b>990.527.11</b>	<b>890.527.11</b>					822.007.11 791.025.00 791.033.00 990.020.00
A <sub>1</sub>	63,5	11,1 - 17,5	70	<b>990.534.11</b>	<b>890.534.11</b>					822.010.11 791.025.00 791.033.00 990.020.00
B <sub>1</sub>	63,5	11,1 - 17,5	70	<b>990.537.11</b>	<b>890.537.11</b>					822.010.11 791.025.00 791.033.00 990.020.00

**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

# Raised panel bits



8/990.5



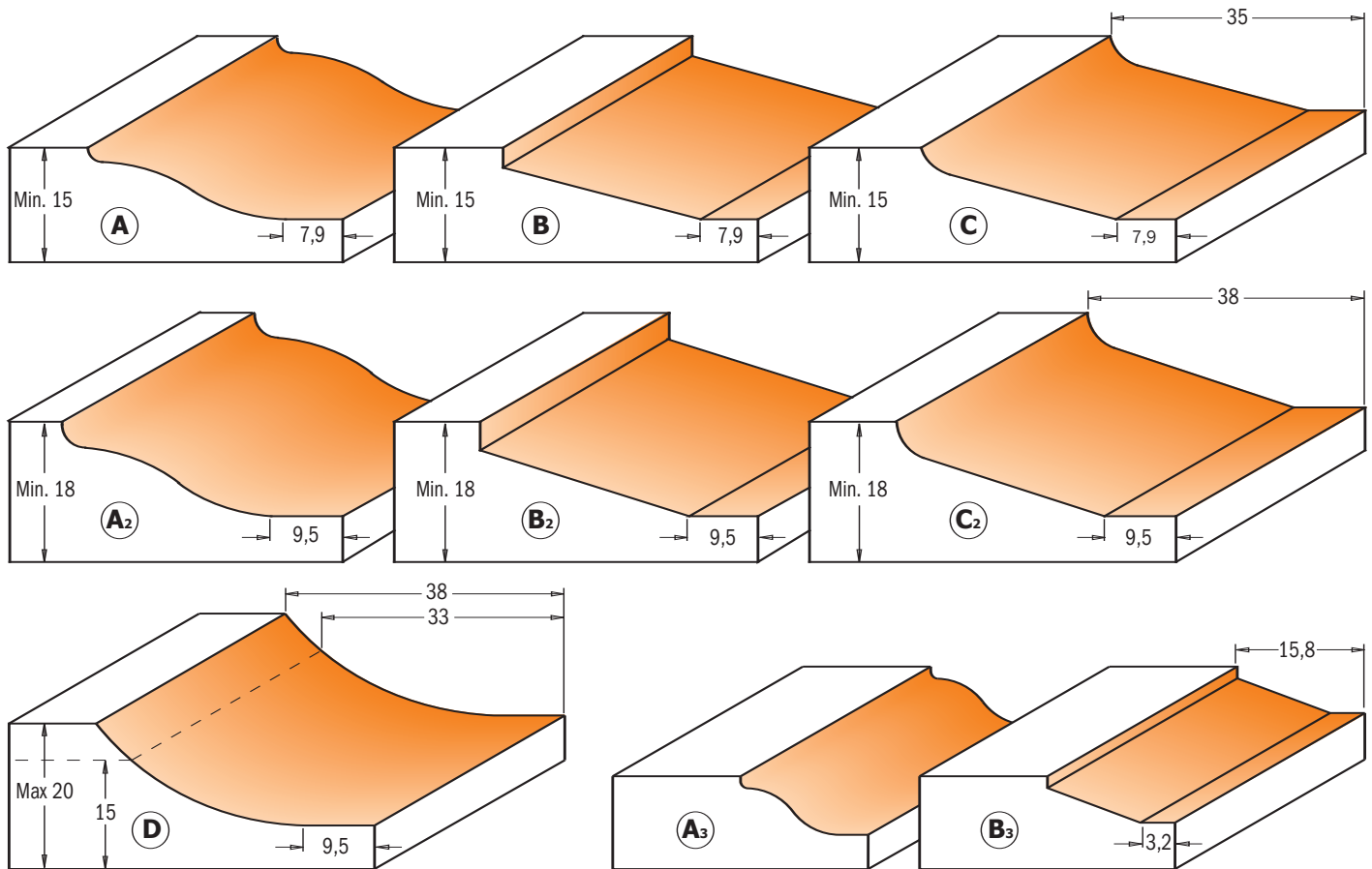
We offer you the traditional approach to panel construction with the CMT raised panel bit. Make classic raised panel doors as shown in the profiles below.

These raised panel bits have carbide-faced cutting edges and are equipped with our anti-kickback design and orange non-stick coating to further increase your safety when working with larger diameter bits.

**Safety Tips:** Horizontally employed bits should be used at a lower speed, between 10,000 and 12,000 RPMs.

Three to five passes are recommended to safely and accurately obtain the profile you desire.

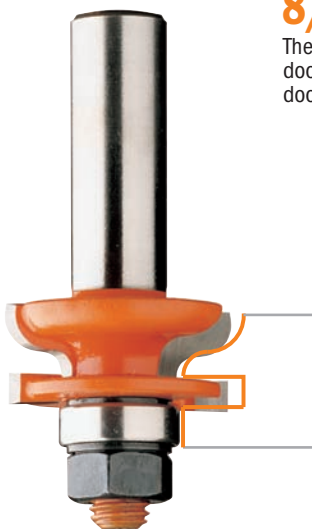
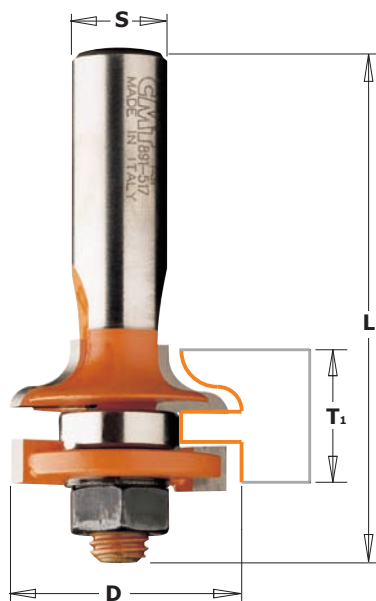
To be used on jigs with at least 2-1/4 HP.



Drawings are 1:1 scale

Profile	D mm	I mm	L mm	T <sub>1</sub> mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts			
								990.423.00	791.003.00	990.058.00	991.057.00
A	82,5	15	63,8	15 ÷ 18		<b>990.501.11</b>	<b>890.501.11</b>				
B	82,5	15	63,8	15 ÷ 18		<b>990.502.11</b>	<b>890.502.11</b>				
C	82,5	15	64,6	15 ÷ 18		<b>990.503.11</b>	<b>890.503.11</b>				
A <sub>2</sub>	89	15	64,6	18 ÷ 20		<b>990.504.11</b>	<b>890.504.11</b>				
B <sub>2</sub>	89	15	64,6	18 ÷ 20		<b>990.505.11</b>	<b>890.505.11</b>				
C <sub>2</sub>	89	15	64,6	18 ÷ 20		<b>990.506.11</b>	<b>890.506.11</b>				
D	89	15	64,6	15 ÷ 20		<b>990.507.11</b>	<b>890.507.11</b>				
A <sub>3</sub>	47,6	9,5	58,1	12,7 ÷ 15	<b>990.011.11</b>			990.423.00	791.003.00	990.058.00	991.057.00
B <sub>3</sub>	47,6	9,5	58,1	12,7 ÷ 15	<b>990.012.11</b>		<b>890.512.11</b>	990.423.00	791.003.00	990.058.00	991.057.00

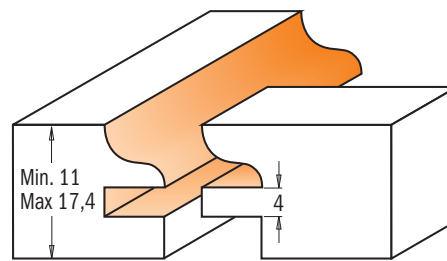
## Junior ogee rail and stile set



**8/991.517**



These bits are designed for those special projects that require a smaller panel door. Use these bits with stock from 11,1mm to 17,4mm thick, and build doors as small as 70mm.



Drawings are 1:1 scale

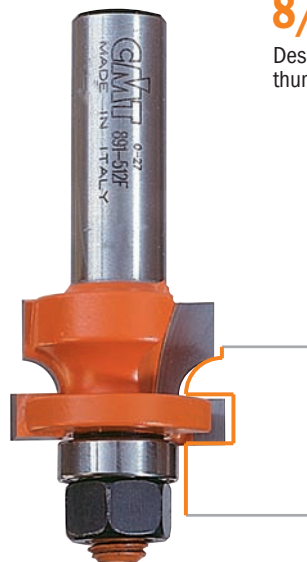
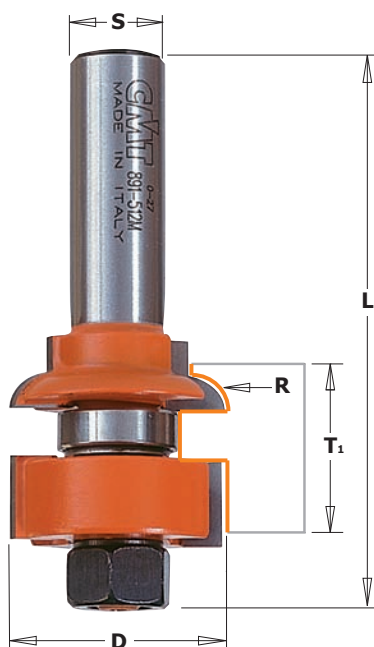
D mm	T <sub>1</sub> mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
31,75	11÷17,4	67	<b>991.517.11</b>	<b>891.517.11</b>

*Spare parts*



- Spare parts**
- 541.515.00** 0,1mm spacer
  - 541.516.00** 0,3mm spacer
  - 541.518.00** 1,0mm spacer

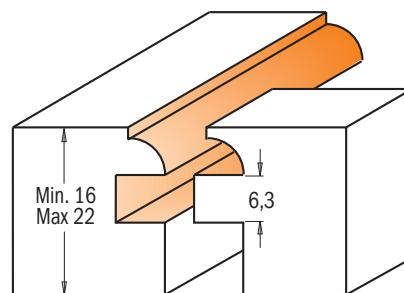
## Rail and stile set



**8/991.512**



Designed for fine furniture construction, these bits mill a delicate 4,75mm thumbnail profile in stock from 15,8mm to 20,6mm.



Drawings are 1:1 scale

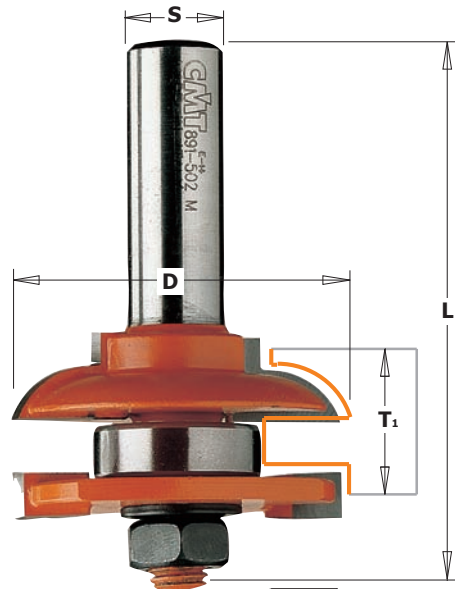
D mm	T <sub>1</sub> mm	R mm	L mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
28,7	16÷22	4,8	79,2	<b>991.012.00</b>	<b>891.512.11</b>

*Spare parts*



- Spare parts**
- 541.515.00** 0,1mm spacer
  - 541.516.00** 0,3mm spacer
  - 541.518.00** 1,0mm spacer

## Rail & Stile sets

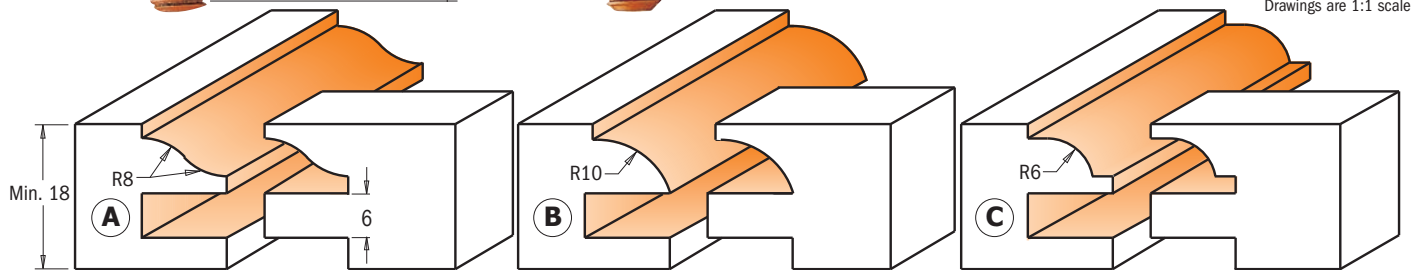


**8/991.5**



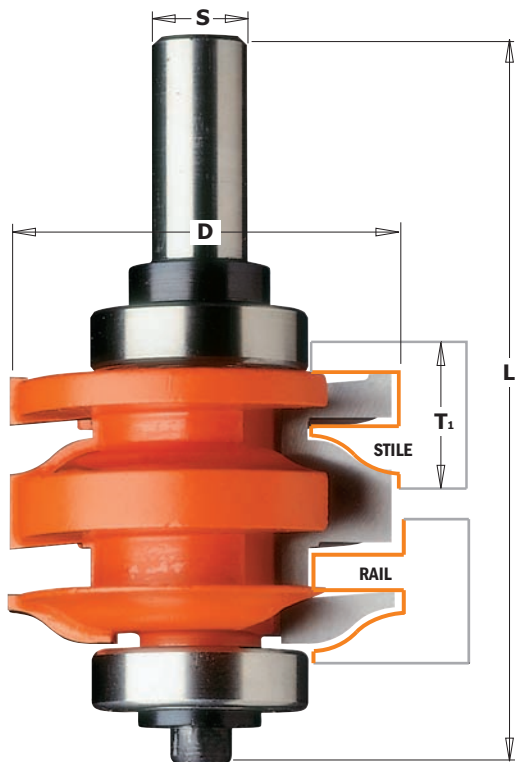
A well-constructed door will bear the mark of a perfect joint-clean, exact and well-crafted for strength. For this project, the CMT male-female rail and stile sets are the perfect pair. Made to our specifications they match exactly; not simply approximated like standard reversible cutters.

Choose the style of CMT rail and stile set that best suits your needs and create smooth, perfect joints in hard and soft woods with accuracy and speed. Perfect for working in stock from 18mm to 22mm. See chart and illustrations below for profile options available.



Profile	D mm	L mm	T <sub>1</sub> mm	ORDER NO.	ORDER NO.	ORDER NO.	Spare parts					
				S=∅8mm	S=∅12mm	S=∅12,7mm	822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
A	44,4	71	18 ÷ 22	<b>991.001.11</b>	<b>991.501.11</b>	<b>891.501.11</b>	822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
B	44,4	71	18 ÷ 22		<b>991.502.11</b>	<b>891.502.11</b>	822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
C	44,4	71	18 ÷ 22		<b>991.503.11</b>	<b>891.503.11</b>	822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00

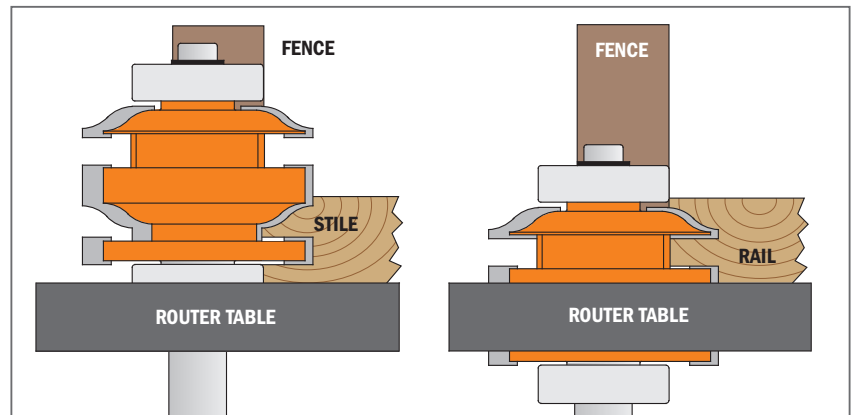
## Rail & Stile sets



**8/991.521**



The most innovative bit for the construction of furniture doors and drawers. The new CMT One-Piece Rail and Stile Bit represents the union of two cutters in one bit. By simply adjusting the height of the bit, you can cut two perfectly joining profiles with no wasted time or effort moving the fence or changing the bit. Save money by investing in a single CMT bit and a more efficient production. For working in stock from 18mm to 22,2mm.



Profile	D mm	L mm	T <sub>1</sub> mm	ORDER NO.	ORDER NO.	Spare parts							
				S=∅12mm	S=∅12,7mm	891.521.11	791.027.00	541.002.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00
A	50,87	87,5	18 ÷ 22		<b>891.521.11</b>	891.521.11	791.027.00	541.002.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00
A	50,87	87,5	18 ÷ 22	<b>991.521.11</b>		991.521.11	791.027.00	541.005.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00

# The ABC's of panel door construction

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

In our step-by-step example of panel door construction, we used the following:

- CMT Rail & Stile set (item #891.502.11)
- CMT Reverse Glue Joint (item #855.501.11)
- pre-cut to length stiles - 19mm thick x 57mm wide
- pre-cut to length rails - 19mm thick x 57mm wide
- panel - 16mm thick
- scrap stock

The CMT Rail & Stile set was designed ideally for the construction of panel doors from 19mm thick stock, however any variation of size up to 22mm thick can be used. Remember to adjust your measurements and cutting depths according to the wood thickness you use.

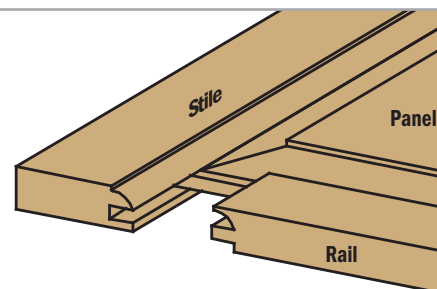
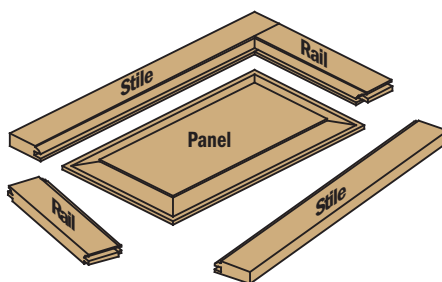


ILLUSTRATION A

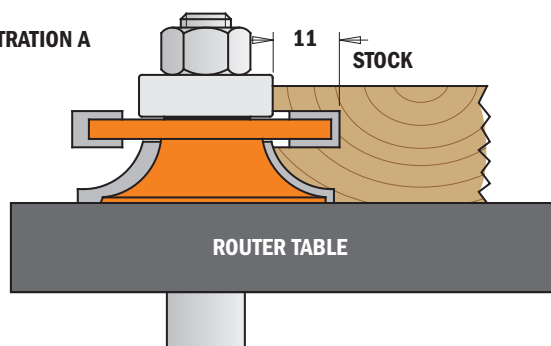
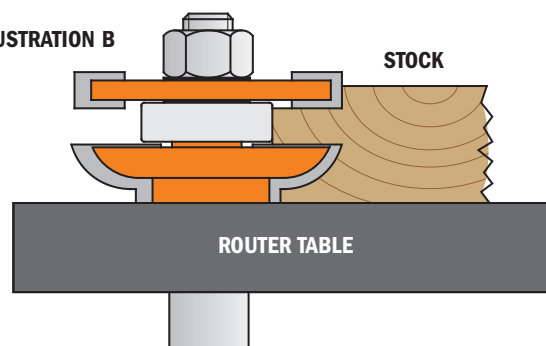


ILLUSTRATION B



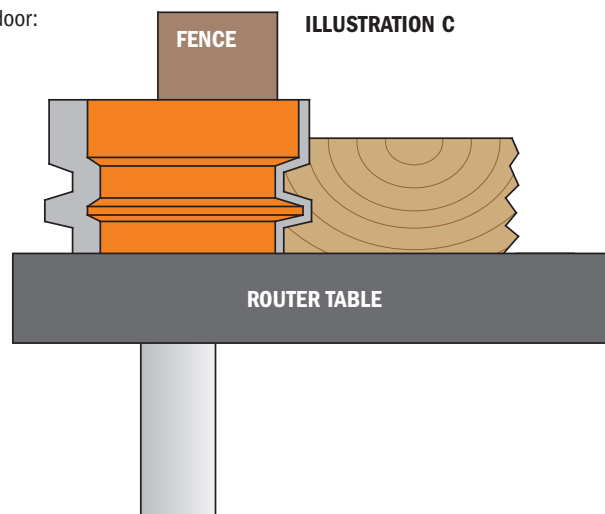
### MILLING THE RAILS AND STILES

First make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock and check the accuracy of the joint. This is extremely important when working at maximum thickness (22mm). Make sure your stock is flat and cut straight with square edges. Using the CMT Stile Bit shown in illustration A, place the stock front face-down on the router table and mill the stick profile in the stile and rail pieces. To mill the rails, use the CMT Rail Bit shown in illustration A, position the rails face-down on the router table and mill the cope profile in 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:  
 $300 - 114 + 22 = 208\text{mm}$

### 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 simply accomplished 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.

ILLUSTRATION C



### 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:

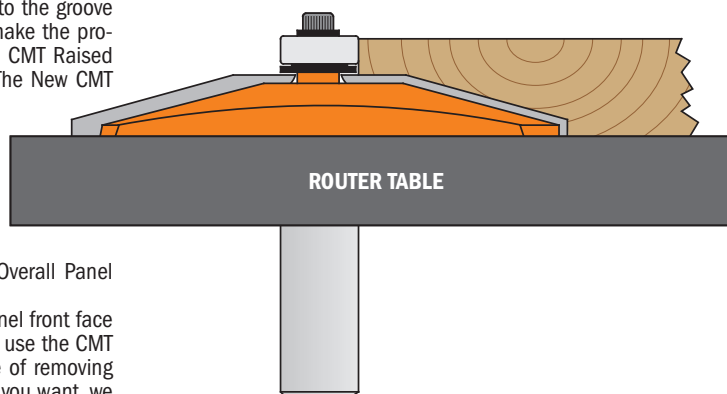
$$(\text{Total door length} - \text{Sum of Stile widths}) + \text{Sum of 2 Tongues} = \text{Overall Panel Length}$$

Therefore, using our example measurements listed above for a 600mm long cabinet door:  $(600 - 114) + 16\text{mm} = 502\text{mm}$

And accordingly:

$$(\text{Total door width} - \text{Sum of Stile widths}) + \text{Sum of 2 Tongues} = \text{Overall Panel Width}$$

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.



# Stile & panel router bits

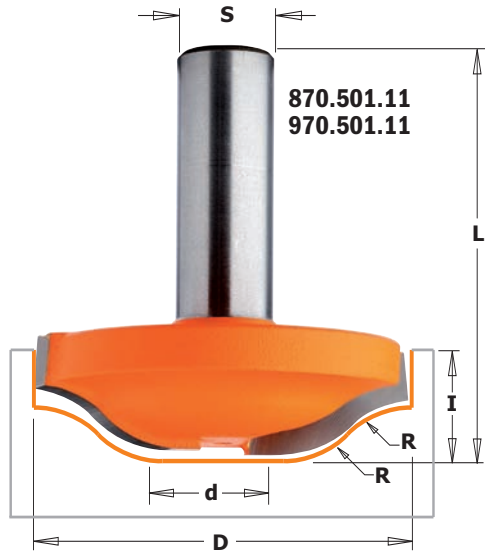
**8/970**



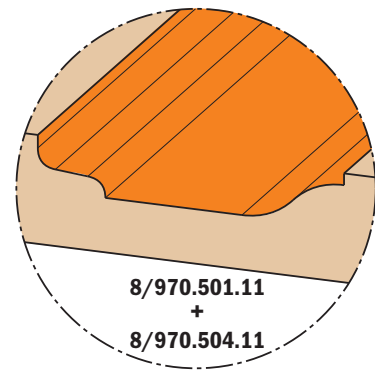
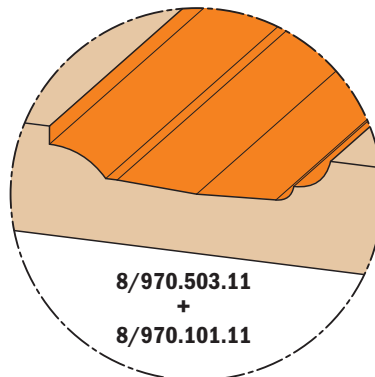
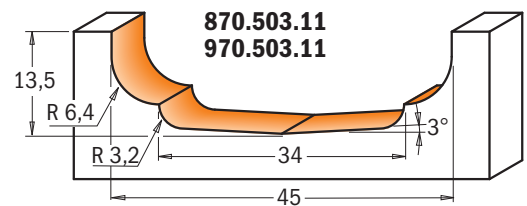
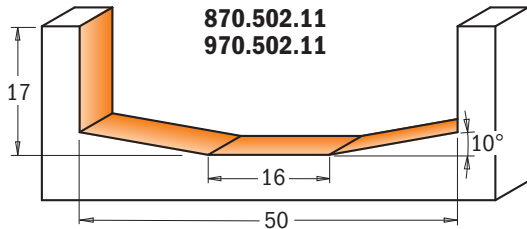
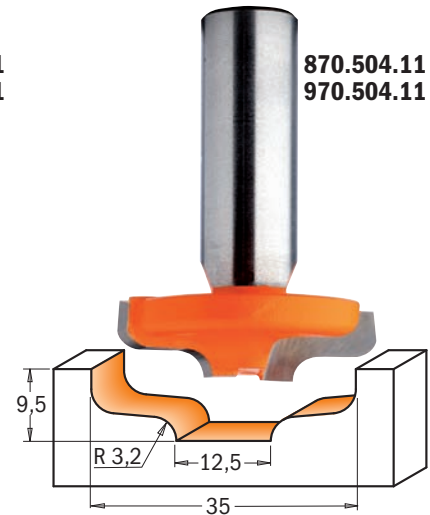
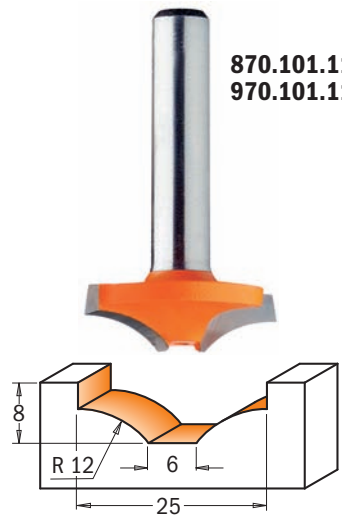
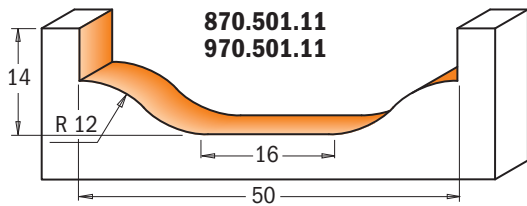
These bits can be used for decorative work on solid wood panels and MDF materials. Use them in one pass or in combination with CMT's MDF panel bits for complex and intricate profiles. A simple approach for an elegant appearance.

Featuring large cutting diameters and available in the most popular profiles, these panel bits guarantee excellent performance on both solid wood panels and MDF materials.

## PANEL BITS



## STILE BITS



D mm	d mm	I mm	R mm	A	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
25	6	8	12		39,8	<b>870.101.11</b>	<b>970.101.11</b>		
50	16	14	12		52,1			<b>970.501.11</b>	<b>870.501.11</b>
50	16	17		10°	55,1			<b>970.502.11</b>	<b>870.502.11</b>
45	34	13,5	3,2 - 6,4	3°	51,6			<b>970.503.11</b>	<b>870.503.11</b>
35	12,5	9,5	3,2		47,6			<b>970.504.11</b>	<b>870.504.11</b>



# Solid surface rounding over bits



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

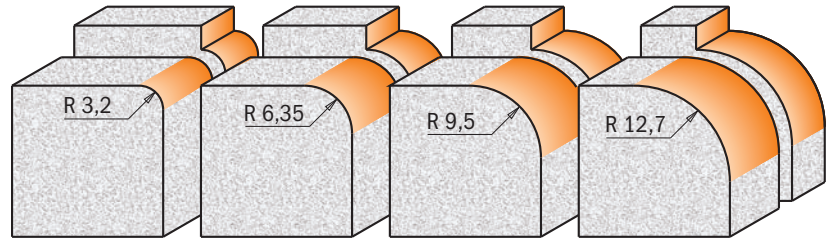
Power Tools & Accessories

Display Cabinets

8/980.501-502-503-504



Use these bits to create a traditional roundover edge on solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale

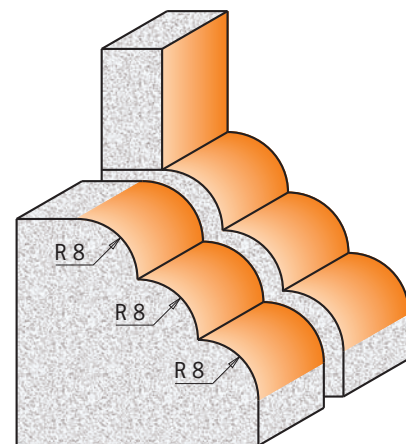
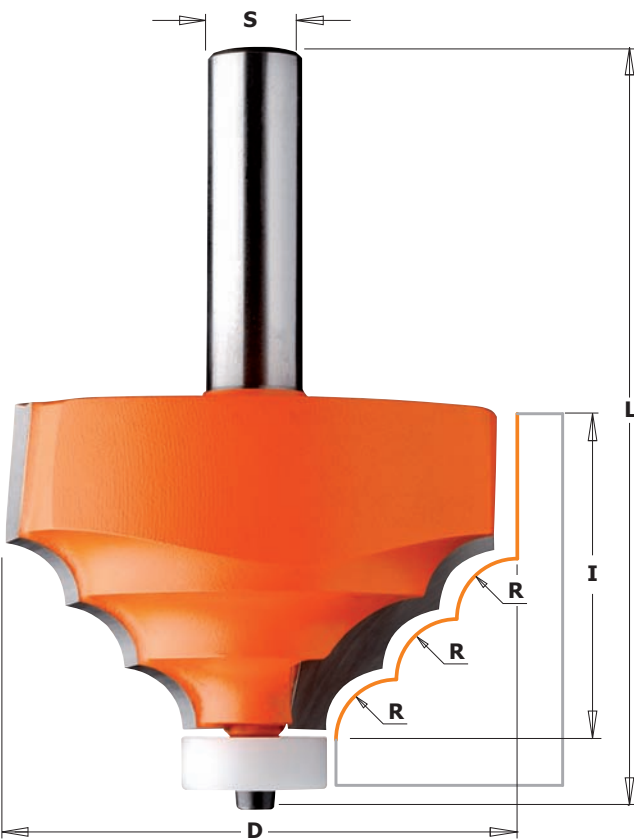
D mm	I mm	R mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
19,05	12,7	3,2	59,4	<b>980.501.11</b>	<b>880.501.11</b>			
25,4	12,7	6,35	59,4	<b>980.502.11</b>	<b>880.502.11</b>	791.044.00	990.058.00	991.057.00
31,75	14	9,5	60,7	<b>980.503.11</b>	<b>880.503.11</b>	791.044.00	990.058.00	991.057.00
38,1	19,05	12,7	65,8	<b>980.504.11</b>	<b>880.504.11</b>	791.044.00	990.058.00	991.057.00

# Solid surface decorative edge profile bits

8/980.521



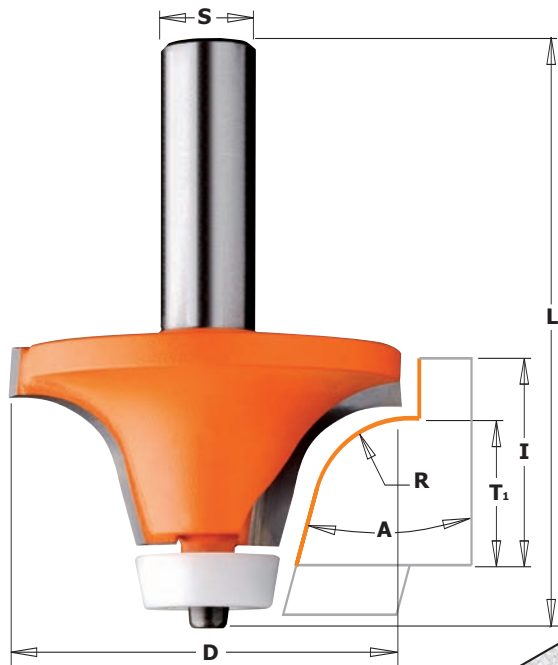
Create elegant countertops with flawless results. Features a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale

D mm	I mm	R mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
66,7	41,3	8	89,8	<b>980.521.11</b>	<b>880.521.11</b>			
						791.046.00	990.058.00	991.057.00

## Solid surface rounding over bowl bits

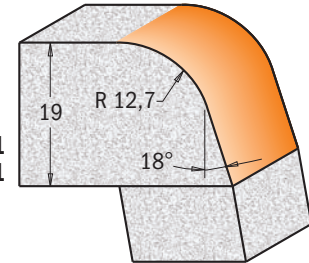


**8/966.601/602**  
**8/980.541**



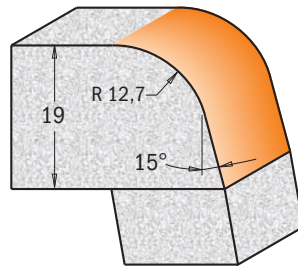
These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 880.551.11 bevel cutter for a flush cut-out between the countertop and installed undermount bowl. For use on hand-held portable routers. Features a non-marring Delrin® bearing to protect the finished edges.

Special angled Delrin® sleeve on the bearing of the CMT bevel cutter lets you work without leaving marks on the workpiece. Trims and shapes all wood and wood materials. Perfect for kitchen and bathroom counter top work.

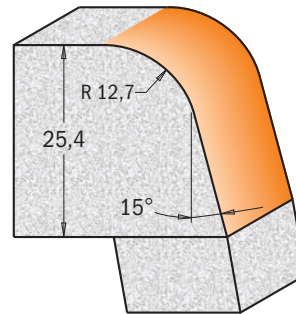


**880.541.11**  
**980.541.11**

Drawings are 1:1 scale



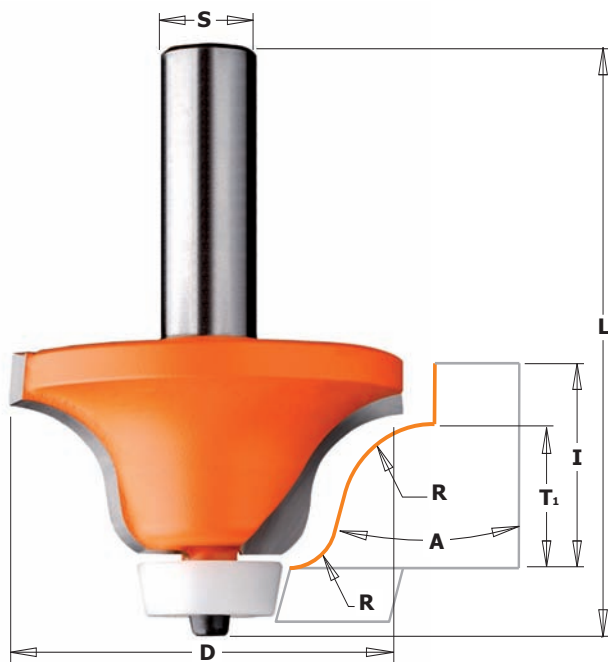
**966.601.11**  
**866.601.11**



**966.602.11**  
**866.602.11**

A	D mm	T <sub>1</sub> mm	I mm	R mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
15°	50,8	19	25,4	12,7	74,9	<b>966.601.11</b>	<b>866.601.11</b>			
15°	50,8	25,4	31,75	12,7	81,3	<b>966.602.11</b>	<b>866.602.11</b>	791.041.00	990.058.00	991.057.00
18°	54	19	25,4	12,7	78,1	<b>980.541.11</b>	<b>880.541.11</b>	791.041.00	990.058.00	991.057.00

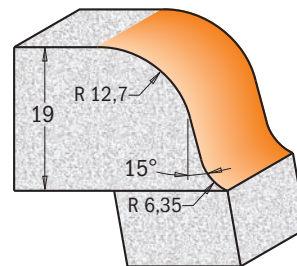
## Solid surface rounding over bowl bit (ogee profile)



**8/980.542**



These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 880.551.11 bevel cutter for a flush cut-out between the countertop and installed undermount bowl. For use on hand-held portable routers. Features a non-marring Delrin® bearing to protect the finished edges.



Drawings are 1:1 scale

A	D mm	T <sub>1</sub> mm	I mm	R mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
15°	54	19	25,4	6,35-12,7	77,6	<b>980.542.11</b>	<b>880.542.11</b>			
								791.041.00	990.058.00	991.057.00

# Solid surface bevel bowl bits



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

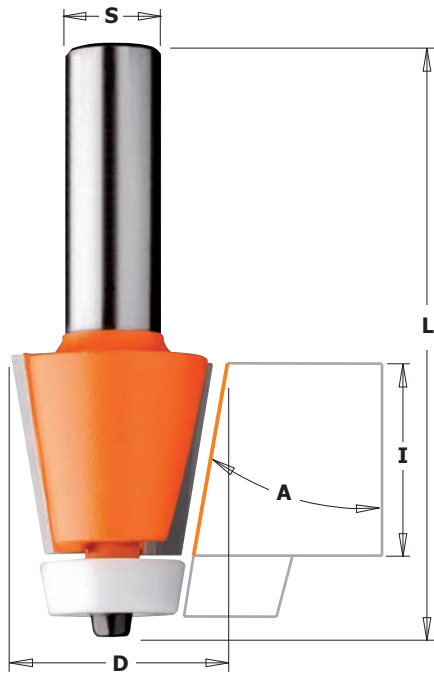
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

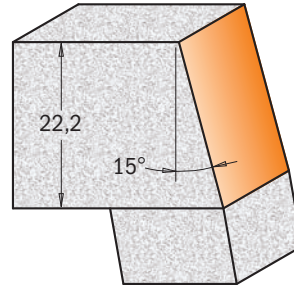


## 8/966.501 - 8/980.551

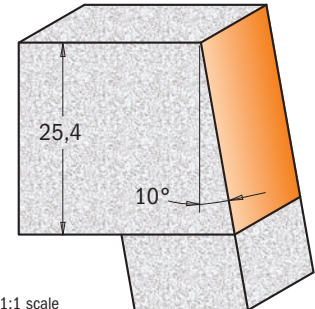


These bits are designed for undermount applications joining the countertops and sink bowls with a 10 (degree) beveled edge. Can be used with the 880.541.11 and 880.542.11 for complete undermount applications. For use on hand-held routers. Features a non-marring Delrin(r) bearing to protect the finished edges.

Special angled Delrin® sleeve on the bearing of the CMT bevel cutter lets you work without leaving marks on the workpiece. Trims and shapes all wood and wood materials. Perfect for kitchen and bathroom counter top work.



**866.501.11**  
**966.501.11**



**880.551.11**  
**980.551.11**

Drawings are 1:1 scale

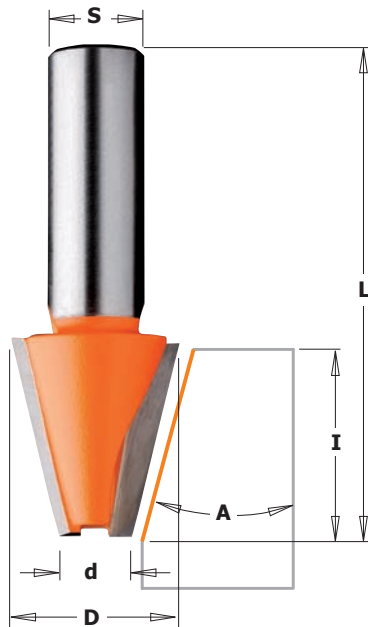
A	D mm	I mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15°	31,7	22,2	72	<b>966.501.11</b>	<b>866.501.11</b>
10°	28,5	25,4	77	<b>980.551.11</b>	<b>880.551.11</b>

### Spare parts



791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

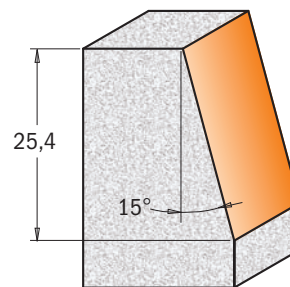
# Solid surface bevel bit



## 8/981.521



Edge profile bit designed to create a 15° bevel on solid surface countertops. Can also be used for European type topmount installation with sinks and bowls. For use on hand-held portable routers.



Drawings are 1:1 scale

D mm	d mm	I mm	A	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
23	9,52	25,4	15°	63,5	<b>981.521.11</b>	<b>881.521.11</b>

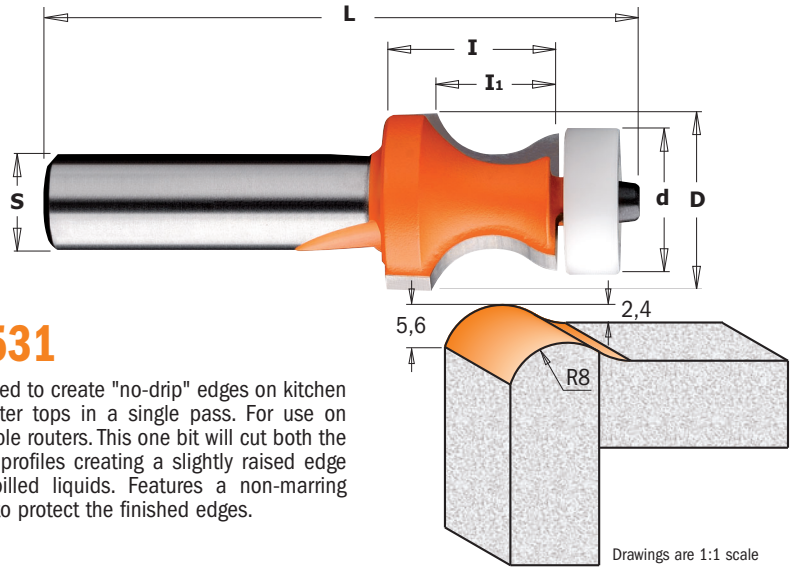
## Solid surface no-drip bit

**8/981.501**

This bit is designed to create "no-drip" edges on kitchen and vanity counter tops. Designed for hand-held portable routers on applications where a guide bearing can not be used. This one bit will cut both the outer and inner profiles creating a slightly raised edge, controlling spilled liquids.



Drawings are 1:1 scale



Drawings are 1:1 scale

**8/980.531**

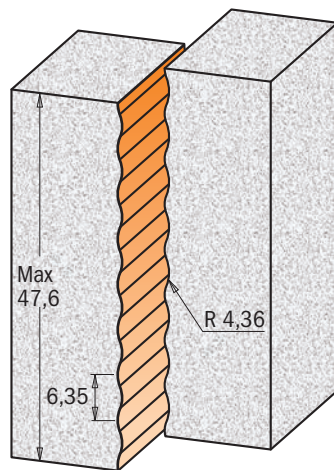
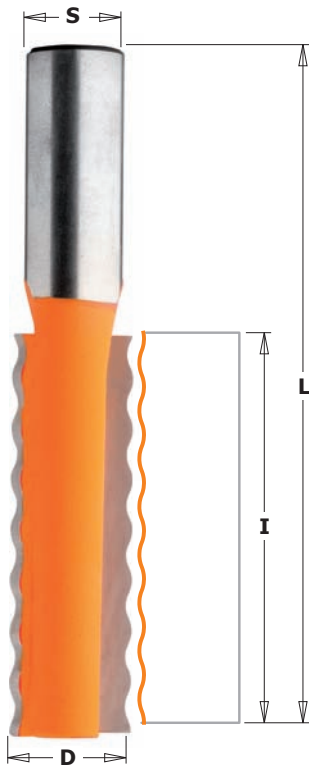
This bit is designed to create "no-drip" edges on kitchen and vanity counter tops in a single pass. For use on hand-held portable routers. This one bit will cut both the outer and inner profiles creating a slightly raised edge that controls spilled liquids. Features a non-marring Delrin® bearing to protect the finished edges.

D mm	d mm	I mm	I <sub>1</sub> mm	R mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm	Spare parts		
25,4		12,7	3,2	8	63,5	<b>981.501.11</b>	<b>881.501.11</b>			
25,4	19	22,2	15,87	8	77	<b>980.531.11</b>	<b>880.531.11</b>	791.046.00	990.058.00	991.057.00

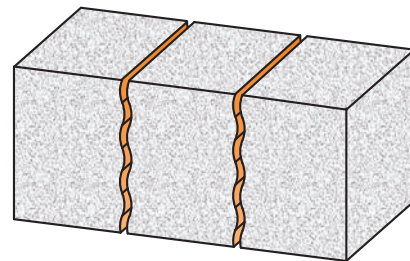
## Solid surface way joint bit

**8/981.531**

These bits are ideal for making strong joints on any solid surface, thanks to a wider area for glue.



Drawings are 1:1 scale



D mm	I mm	R mm	L mm	ORDER NO. S=∅12mm	ORDER NO. S=∅12,7mm
15,87	51,5	4,36	89	<b>981.531.11</b>	<b>881.531.11</b>

# Solid surface drainboard bits



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

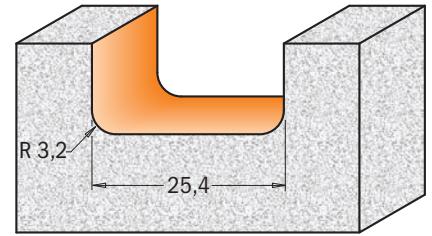
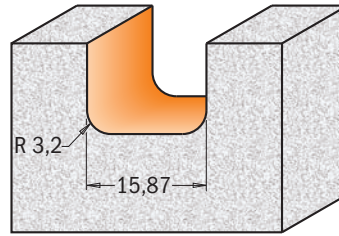
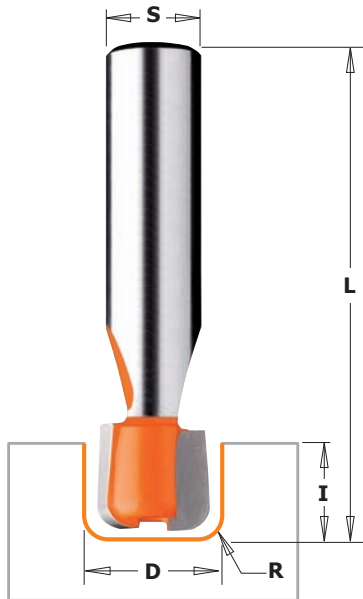
Power Tools & Accessories

Display Cabinets

## 8/981.511-512



This bit is ideal for creating custom Drainboard patterns in solid surface countertops. For use on hand-held portable routers.



Drawings are 1:1 scale

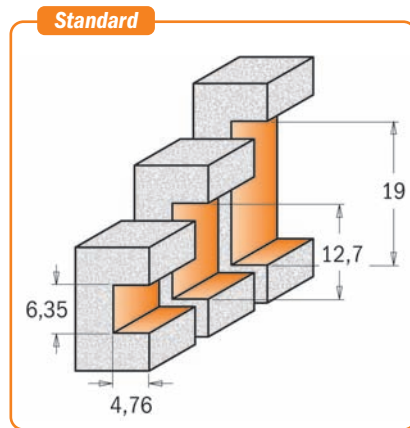
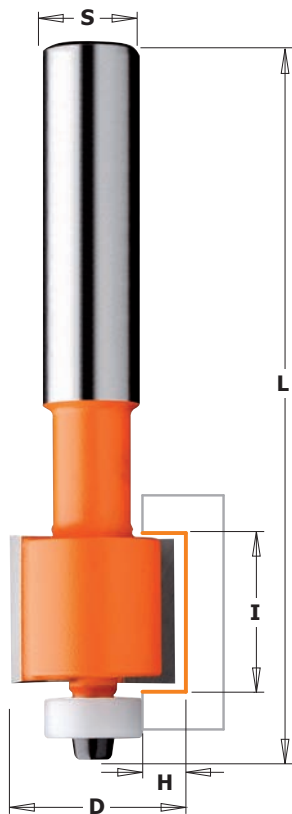
D mm	I mm	R mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
15,87	12,7	3,2	63,5	<b>981.511.11</b>	<b>881.511.11</b>
25,4	12,7	3,2	69,8	<b>981.512.11</b>	<b>881.512.11</b>

# Solid surface - inlay bits

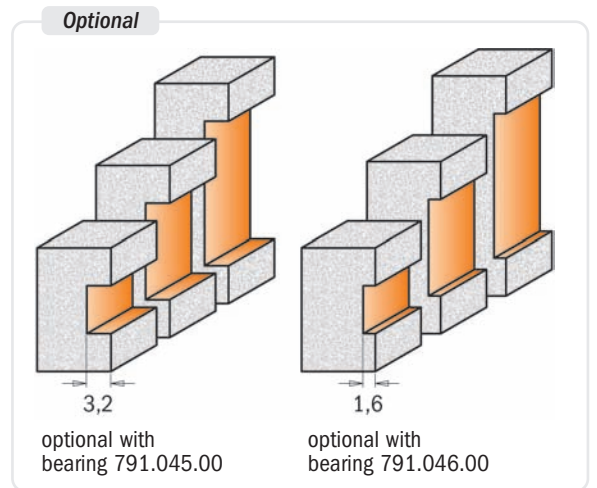
## 8/980.511-512-513



Add a decorative wood, plastic or metal inlay to solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale



D mm	I mm	H mm	L mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
22,2	6,35	4,76	77	<b>980.511.11</b>	<b>880.511.11</b>			
22,2	12,7	4,76	90	<b>980.512.11</b>	<b>880.512.11</b>	791.044.00	990.058.00	991.057.00
22,2	19,05	4,76	90	<b>980.513.11</b>	<b>880.513.11</b>	791.044.00	990.058.00	991.057.00

**Router bit sets**

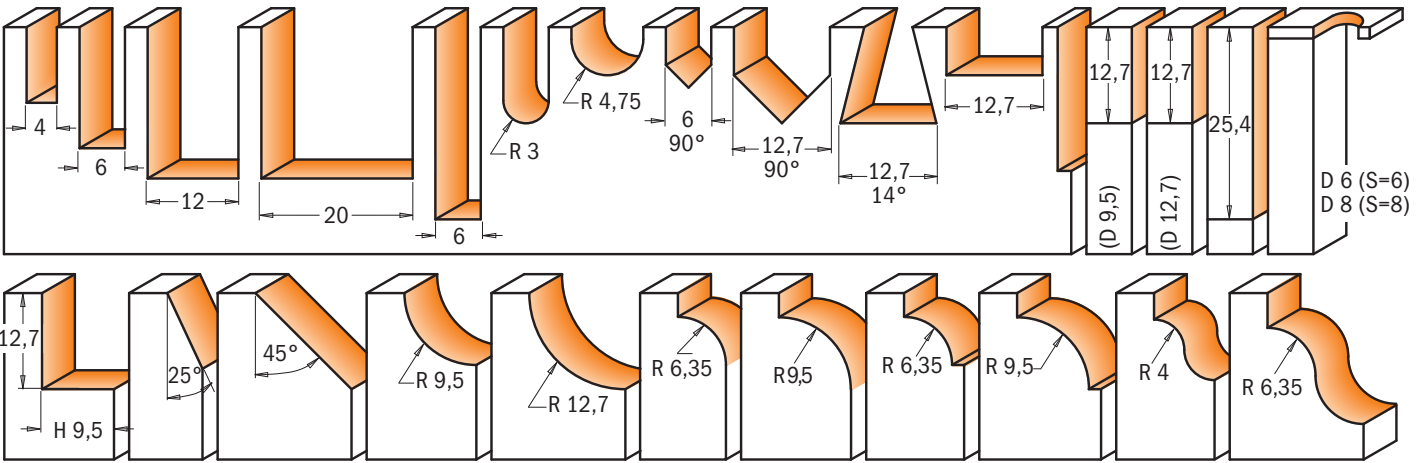


PATENT NO. 7,703,605 B2

**7/900.003**

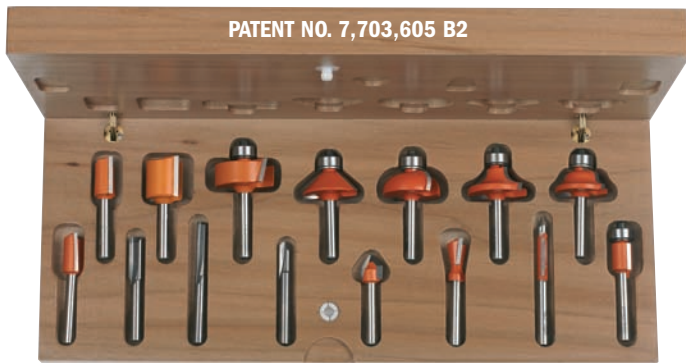


Find a whole workshop in practical 26 piece router bit sets! With a wide selection of the most demanded tools, these sets include straight bits, flush trim bits, dovetail bits, cove bits, ogee bits and many more. You will have an endless choice to express your creativity! Ideal for master craftsmen, these sets are available from 6 to 8mm shank diametres. See chart below for details.



Drawings are 1:1 scale

DESCRIPTION	ORDER NO. S=Ø6mm	ORDER NO. S=Ø8mm
26 piece router bit sets	<b>700.003.00</b>	<b>900.003.00</b>

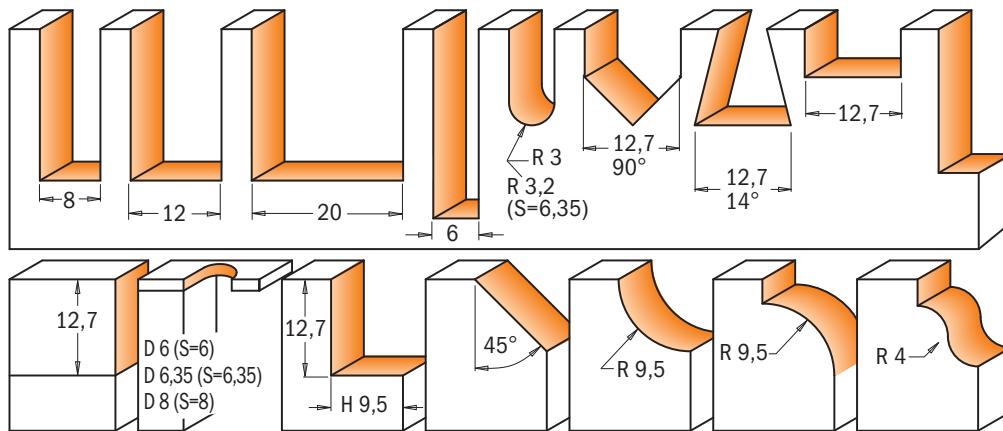


PATENT NO. 7,703,605 B2

**7/8/900.001**



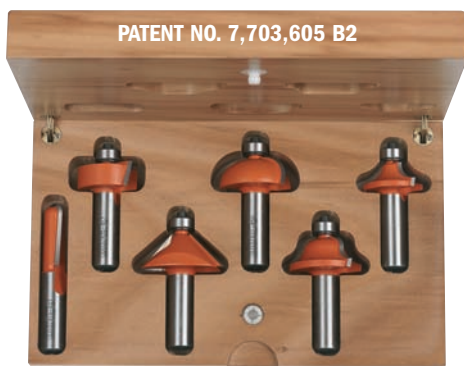
CMT's beautiful sets are the perfect companions for the professional craftsman. These sets offer a selection of organized and ready-to-use straight and profile bits; added value for any woodworker! Each bit is made of Fatigue Proof® steel, micrograin carbide and is coated with orange non-stick PTFE. The bits can be safely stored in their hardwood snap lock cases.



Drawings are 1:1 scale

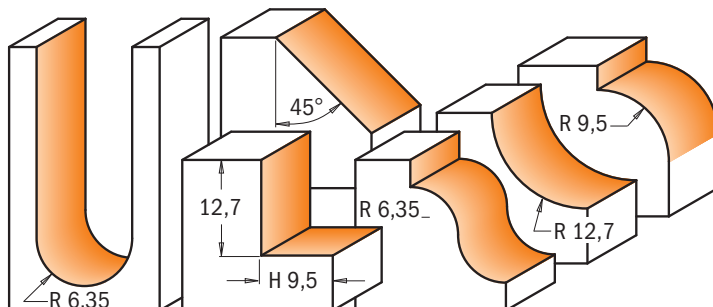
DESCRIPTION	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm
15 piece router bit sets	<b>700.001.00</b>	<b>800.001.00</b>	<b>900.001.00</b>

## 6 piece profile bit set with wooden case



### 800.504

Containing 6 of CMT's most frequently used 12,7mm shank router bits, this compact Italian hardwood case is beautiful and convenient for your woodworking needs. All the bits contained feature the finest steel and carbide, plus CMT's baked-on orange PTFE non-stick coating.



Drawings are 1:1 scale

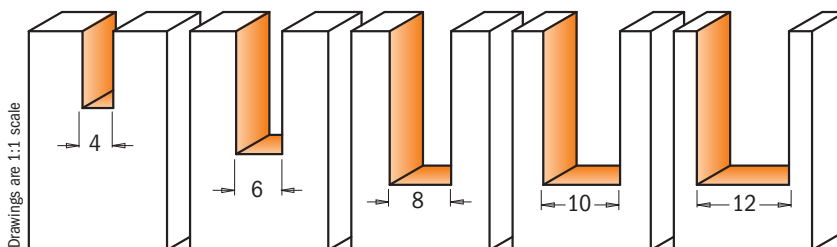
DESCRIPTION	ORDER NO.
6 piece profile bit set with wooden case	S=Ø12,7mm <b>800.504.11</b>

## 5 piece straight bit set and profile bit set

Our beautiful sets are the perfect companion for the professional craftsman. We offer three 5 piece sets with a selection of straight bits and the most popular profile router bits. These tools feature Fatigue Proof® steel, micrograin carbide and orange PTFE non-stick coating. Safely stored in a solid plastic box to fit in your display cabinet.



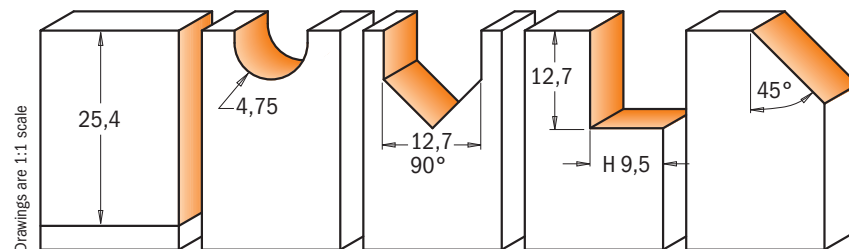
### 8/900.005.01



DESCRIPTION	ORDER NO.	ORDER NO.
5 piece straight bit set	S=Ø6,35mm <b>800.005.01</b>	S=Ø8mm <b>900.005.01</b>



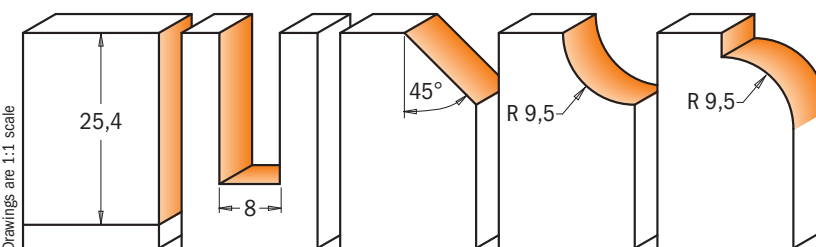
### 900.005.02



DESCRIPTION	ORDER NO.
5 piece profile bit set	S=Ø8mm <b>900.005.02</b>



### 7/900.005.03



DESCRIPTION	ORDER NO.	ORDER NO.
5 piece profile bit set	S=Ø6mm <b>700.005.03</b>	S=Ø8mm <b>900.005.03</b>

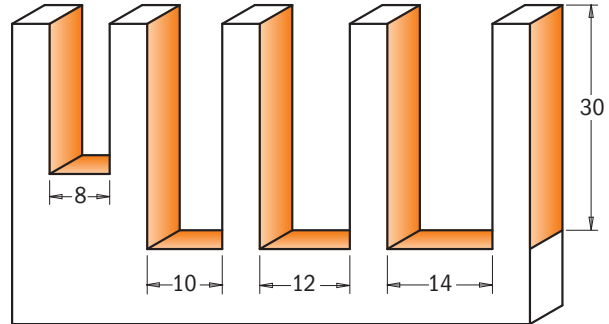
## Router bit set with insert knives



**600.005.01**



This set is the perfect companion for the professional craftsman. We offer the 5 most popular bits with knives and all necessary spare knives and Torx keys. They are perfect for working on all materials such as solid wood, wood composites, plastic and laminated materials. For use with a hand held or CNC router.



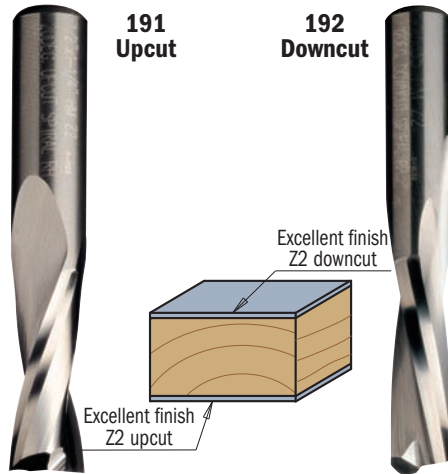
Drawings are 1:1 scale

**10 spare knives and 2 torx keys included**

DESCRIPTION	ORDER NO. S=Ø8mm
Router bit set with insert knives	<b>600.005.01</b>

Set contains	D mm	I mm	Spare knives	Spare bearing	ORDER NO. S=Ø8mm
Straight router bit with knife	8	20	790.200.01 - 20 x 4,1 x 1,1mm		<b>651.080.11</b>
Straight router bit with knife	10	30	790.300.01 - 30 x 5,5 x 1,1mm		<b>651.100.11</b>
Straight router bit with knife	12	30	790.300.01 - 30 x 5,5 x 1,1mm		<b>651.120.11</b>
Straight router bit with knife	14	30	790.300.01 - 30 x 5,5 x 1,1mm		<b>651.140.11</b>
Flush trim bit with knife	19	30	790.300.00 - 30 x 12 x 1,5mm	791.007.00	<b>657.191.11</b>

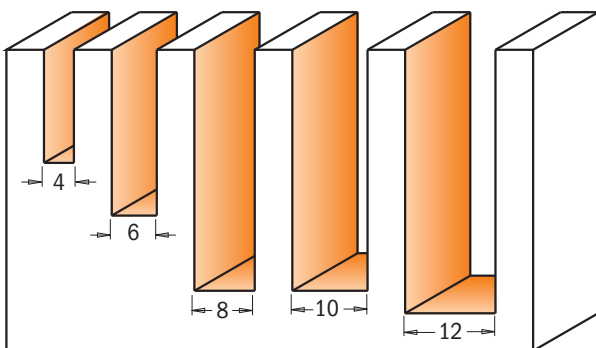
## 5 piece spiral bit sets



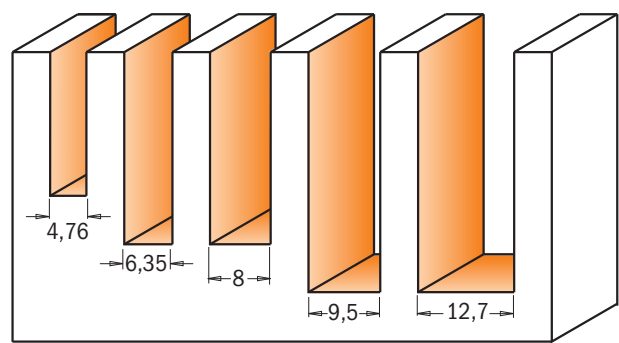
**191/192**



CMT is proud to offer you these new sets of high quality solid tungsten carbide upcut and downcut spiral bits in the most popular diameters. The new formulated super micrograin composition guarantees extremely sharp long-lasting cutting edges, whereas the spiral layout allows for a more efficient chip ejection. In addition these bits stay cooler during work and are suitable for CMT's new precision machines. Recommended for use on soft and hardwood, plywood, laminates, MDF and plastic materials. To be used on handheld routers and CNC machines.



Drawings are 1:1 scale



DESCRIPTION	ORDER NO. S=Ø8mm	ORDER NO. S=Ø6,35-12,7mm
5 piece upcut spiral bit sets (Ø4 - 6 - 8 - 10 - 12mm)	<b>191.000.01</b>	
5 piece downcut spiral bit sets (Ø4 - 6 - 8 - 10 - 12mm)	<b>192.000.01</b>	
5 piece upcut spiral bit sets (Ø4,76 - 6,35 - 8 - 9,5 - 12,7mm)		<b>191.000.02</b>
5 piece downcut spiral bit sets (Ø4,76 - 6,35 - 8 - 9,5 - 12,7mm)		<b>192.000.02</b>



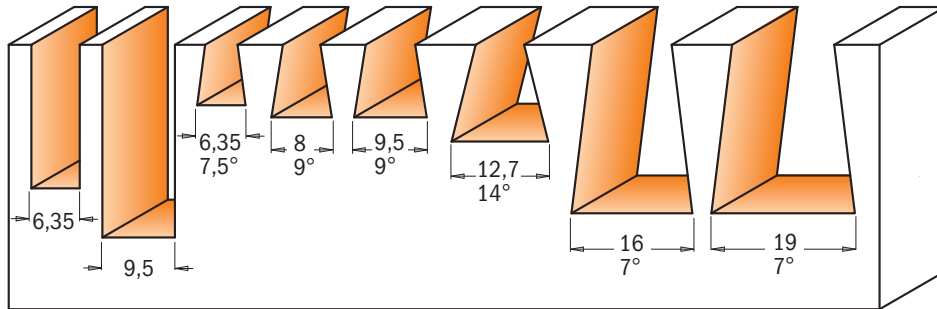
## 8 piece dovetail and straight bit sets



**800.500/501**



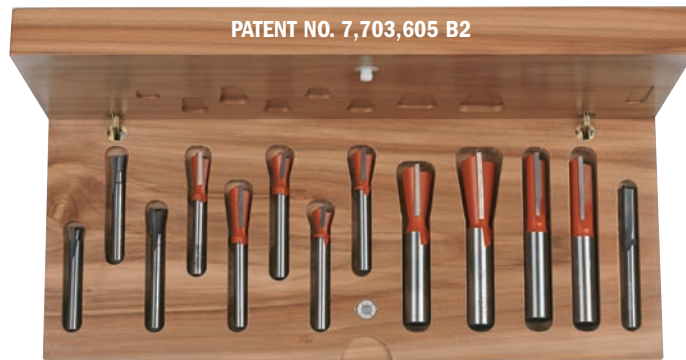
Perfect for the craftsman with a creative flair, these CMT's sets contain the most frequently used bits for boxes, creative joinery and a wide range of other projects. Safely packaged in a hardwood box to have the bits within a hand's reach. The bits suit most popular jigs.  
**IDEAL FOR INCRA & JOINTECH JIGS.**



Drawings are 1:1 scale

DESCRIPTION	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm
8 piece dovetail and straight bit sets	<b>800.500.11</b>	<b>800.501.11</b>

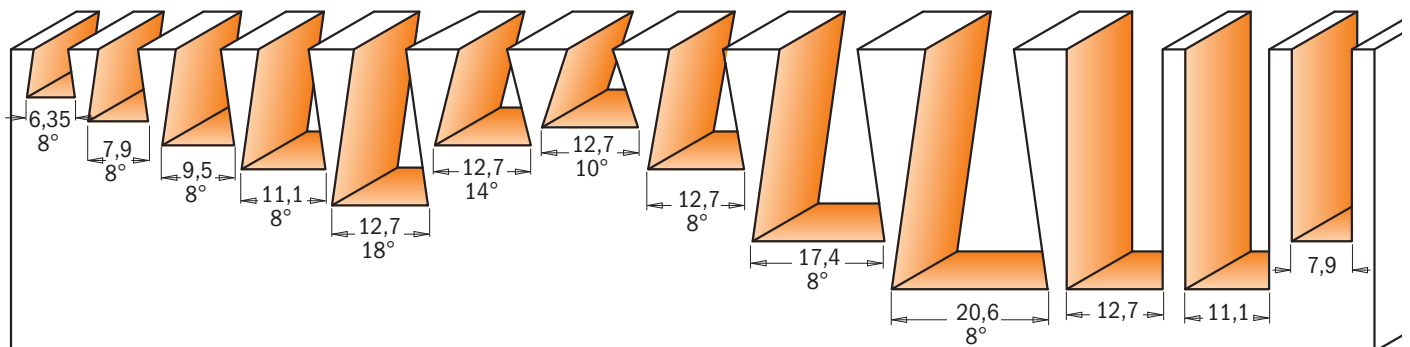
## 13 piece dovetail and straight bit sets



**800.519**



Perfect for the craftsman with a creative flair, these CMT's sets contain the most frequently used bits for making boxes, creative joinery and a wide range of other projects. Safely packaged in a hardwood box to have the bits within a hand's reach. The bits suit most popular jigs.  
**IDEAL FOR D4 LEIGH JIGS.**



Drawings are 1:1 scale

DESCRIPTION	ORDER NO. S=Ø6,35-12,7mm
13 piece dovetail and straight bit sets	<b>800.519.11</b>

## 12 piece router bit set with wooden case

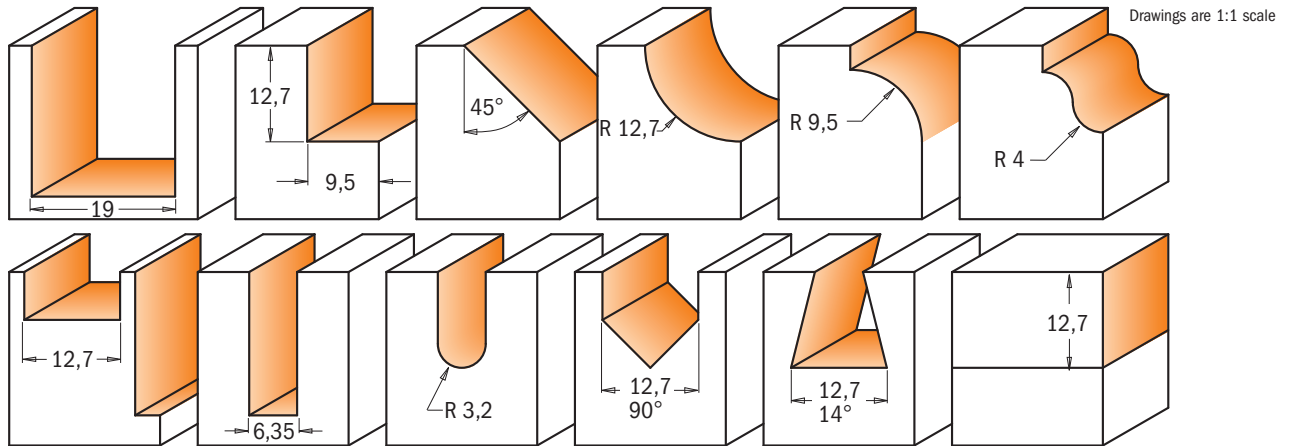


PATENT NO. 7,703,605 B2

**800.503**



Containing 12 of CMT's most frequently used 6,35mm shank router bits featuring the finest steel and carbide, plus CMT's baked-on orange PTFE non-stick coating, this compact Italian hardwood case is beautiful and convenient for your woodworking needs. You will have exactly what you need within hand's reach.



**DESCRIPTION**

**ORDER NO.**  
S=Ø6,35mm

12 piece router bit set with wooden case

**800.503.11**

## 13 piece router bit set with wooden case

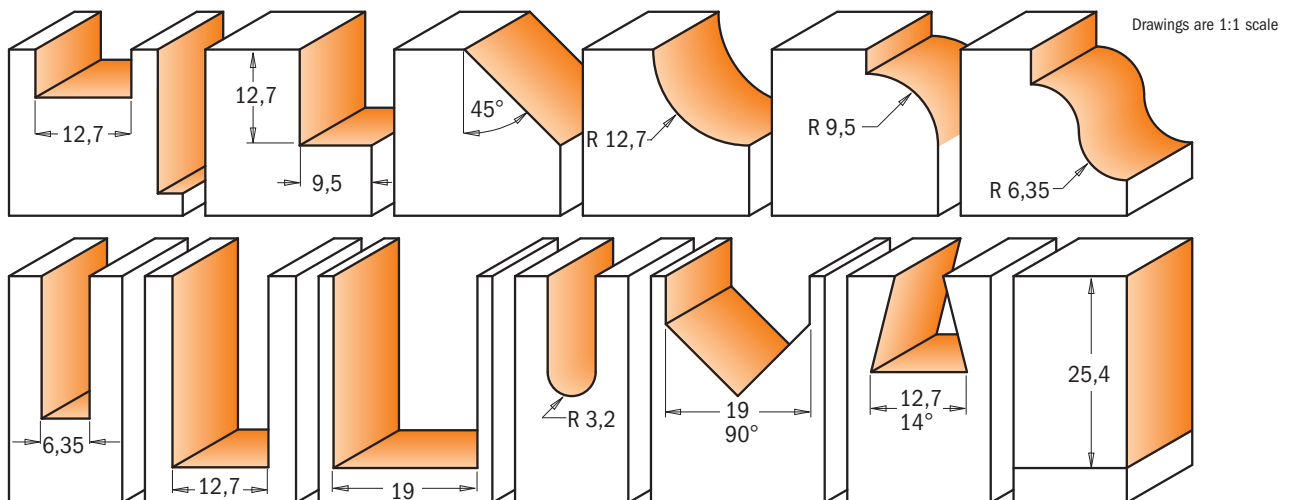


PATENT NO. 7,703,605 B2

**800.505**



Containing 13 of CMT's most frequently used 12,7mm shank router bits featuring the finest steel and carbide, plus CMT's baked-on orange PTFE non-stick coating, this compact Italian hardwood case is beautiful and convenient for your woodworking needs. You will have exactly what you need within hand's reach.



**DESCRIPTION**

**ORDER NO.**  
S=Ø12,7mm

13 piece router bit set with wooden case

**800.505.11**

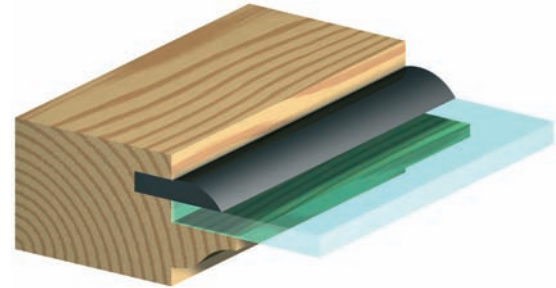
# Slot cutter sets



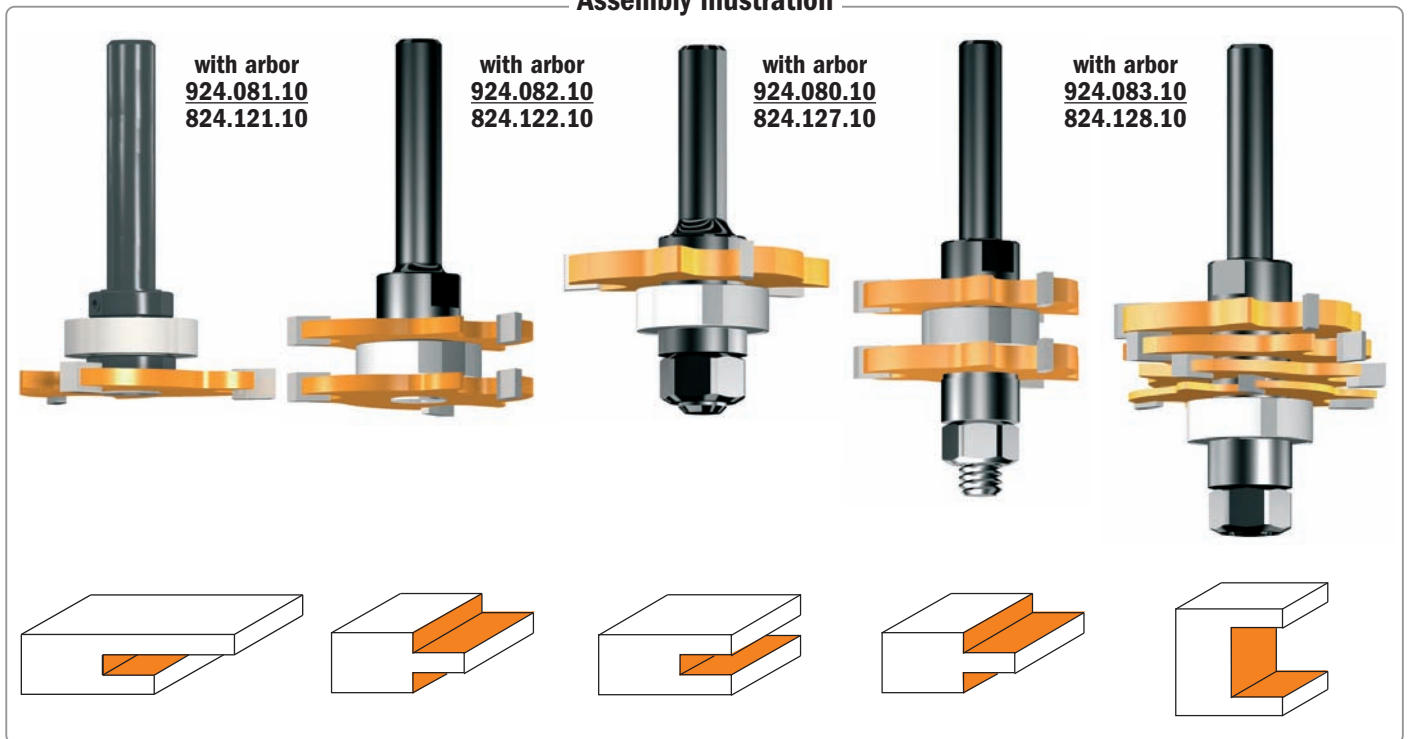
## 8/923.001

Create slots, grooves and rabbets on all materials using the CMT slot cutter sets. Ideal for biscuit and tongue and groove joints. **These sets include 4 different bearings to allow a cutting depth of 7,95mm, 9,5mm, 12,8mm and 14,3mm.** Please refer to the chart below for applications and the correct cutter combinations.

Safety tips: never use the slot cutter sets without shims between cutters, whose distance can vary from 1mm to 1,7mm. Shims can also be positioned between the ball bearings and the cutters.



### Assembly illustration



#### ORDER NO. **923.001.11** Shank Ø8mm

SET CONTAINS	Q.ty	ORDER NO.
2mm slot cutter	1	<b>822.320.11</b>
3mm slot cutter with 45° bore	1	<b>823.330.11</b>
4mm slot cutter with 45° bore	1	<b>823.340.11</b>
5mm slot cutter with 45° bore	3	<b>823.350.11</b>
6mm slot cutter	1	<b>822.360.11</b>
Slot cutter arbor with Ø22mm bearing	1	<b>924.080.10</b>
Slot cutter arbor with Ø22mm bearing	1	<b>924.081.10</b>
Slot cutter arbor with Ø22mm bearing	1	<b>924.082.10</b>
Slot cutter arbor with Ø22mm bearing (long series)	1	<b>924.083.10</b>
Ø31,7mm bearing	1	<b>791.033.00</b>
Ø28,5mm bearing	1	<b>791.030.00</b>
Ø19mm bearing	1	<b>791.034.00</b>
3mm hex key	1	<b>991.067.00</b>

#### ORDER NO. **823.001.11** Shank Ø12,7mm

SET CONTAINS	Q.ty	ORDER NO.
1,6mm (1/16") slot cutter	1	<b>822.316.11</b>
3,2mm (1/8") slot cutter with 45° bore	1	<b>823.332.11</b>
4mm slot cutter with 45° bore	1	<b>823.340.11</b>
4,8mm (3/16") slot cutter	1	<b>822.348.11</b>
6,4mm (1/4") slot cutter with 45° bore	3	<b>823.364.11</b>
Slot cutter arbor with Ø22mm bearing	1	<b>824.127.10</b>
Slot cutter arbor with Ø22mm bearing	1	<b>824.121.10</b>
Slot cutter arbor with Ø22mm bearing	1	<b>824.122.10</b>
Slot cutter arbor with Ø22mm bearing (long series)	1	<b>824.128.10</b>
Ø31,7mm bearing	1	<b>791.033.00</b>
Ø28,5mm bearing	1	<b>791.030.00</b>
Ø19mm bearing	1	<b>791.034.00</b>
3mm hex key	1	<b>991.067.00</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Entry & interior door router bit set

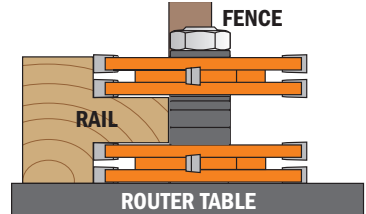


**800.527**

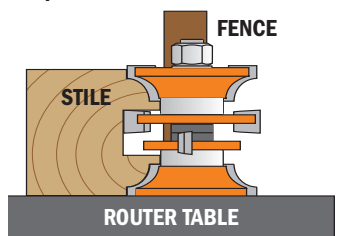
This CMT three-piece router bit set simplifies door construction, making it easy as 1, 2, 3! It is not the only advantage, in fact this is a multifunctional set for door and furniture makers, building entry or passage doors and any furniture tenons. The included tenon cutter produces a beefy 27mm long tenon. Coupled with the cope cutter, you can produce long and strong tenons with minimum setup. As an extra bonus the tenon cutter can be used for furniture making requiring any tenon from 4,7mm to 16mm thick.



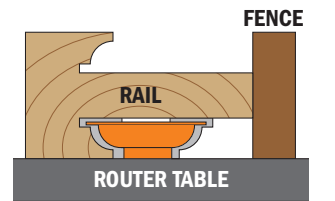
## Entry & interior door construction - Easy as 1, 2, 3!



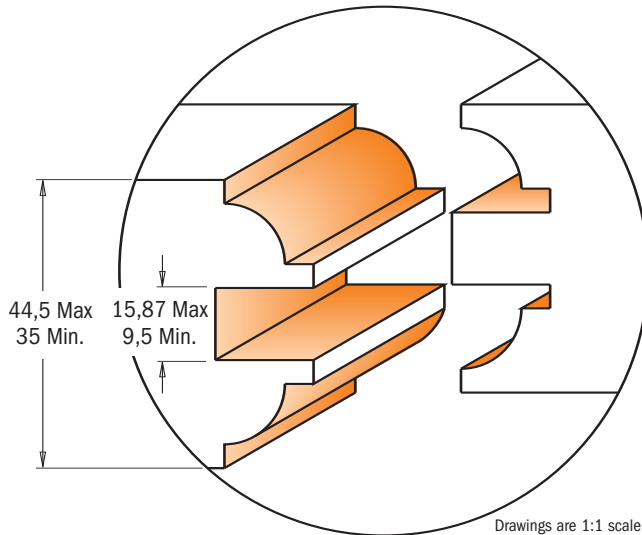
**Step 1.** Cut the tenon into the rails



**Step 2.** Cut the groove and door profile in pieces.



**Step 3.** Undercut the tenons to cope the ends of the rails.



Drawings are 1:1 scale

DESCRIPTION	ORDER NO.
3 piece entry & interior door router bit set	S=Ø12,7mm <b>800.527.11</b>

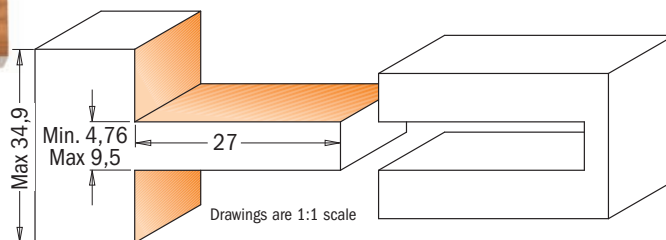
# Tenon cutting router bit



**8/900.627**

**Cut perfectly fitting tenons, every time!** If you've struggled cutting fitting tenons, here's the perfect solution for you. CMT's tenon cutting router bit will produce perfectly fitting tenons in every board you cut, even if the boards vary slightly in thickness. Simply set the distance between the cutters using the included spacers, so you can easily cut tenons from 4,76mm to 9,5mm thick, up to 27mm long. This simple-to-use router bit takes the mystery out of achieving the excellent tenon-to-mortise fit required for high quality joinery.

**Safety Precautions:** maximum speed: 12,000 RPM.



Drawings are 1:1 scale

Tenon Cutting	No. Spacer		
	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

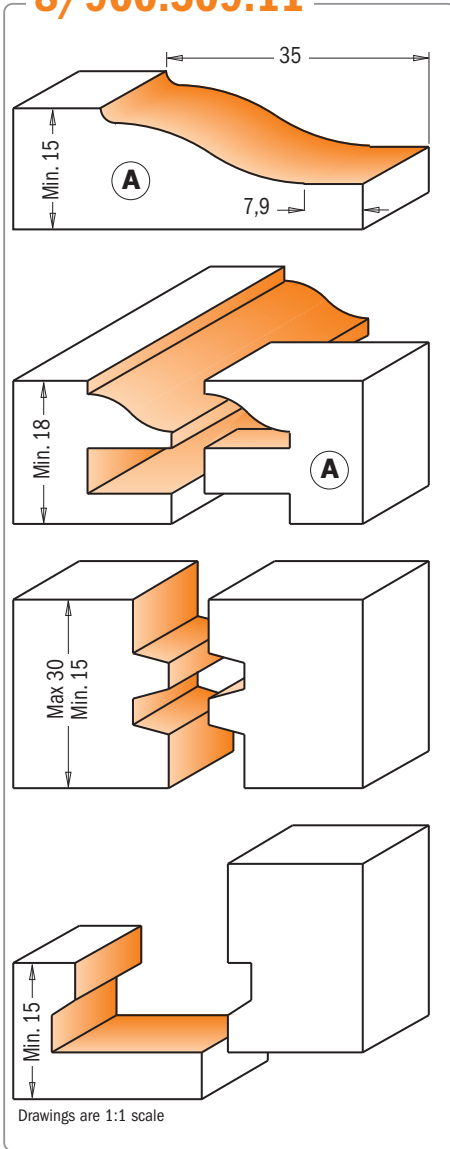
I mm	D mm	H mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts							
34,9	75	27	<b>900.627.11</b>		0,1mm	0,3mm	1,6mm	3,2mm	6,2mm			
34,9	75	27		<b>800.627.11</b>	541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	924.134.00	822.020.11	990.022.00
					541.513.00	541.520.00	541.521.00	541.522.00	541.523.00	824.134.00	822.020.11	990.022.00

# CMT's complete kitchen set

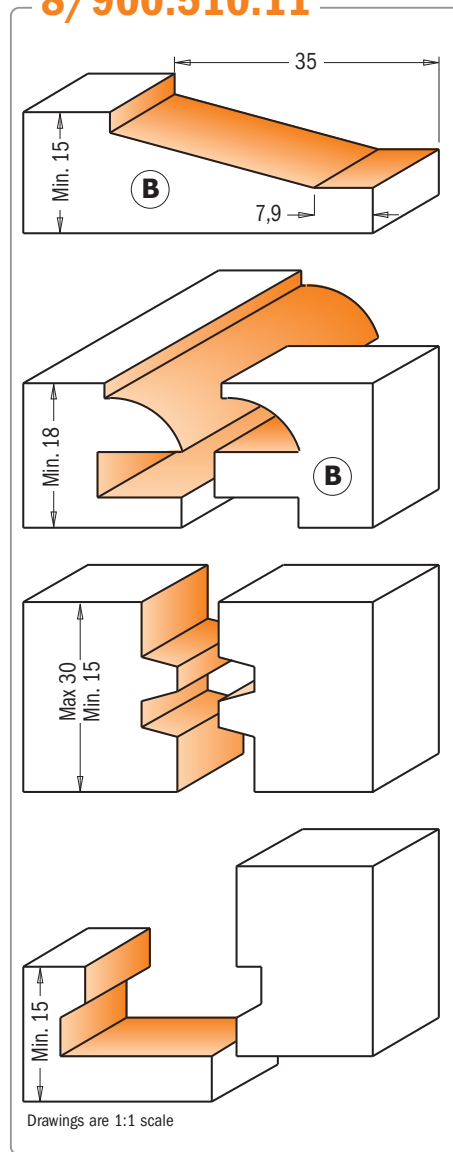


These CMT's sets aren't only a random selection of odds and ends packaged in a nice elegant box, but they are also professional kits for drawer and door makers. 3 sets to choose from, 5 different bits to suit your needs: a raised panel bit, rail and stile bits, a glue joint and a drawer lock bit. Please refer to the illustrations below for complete profile options.

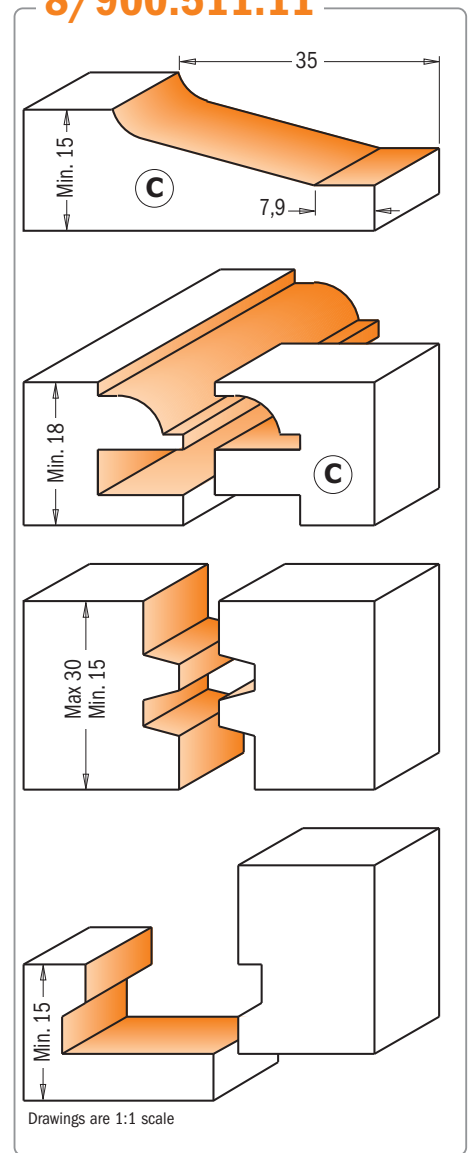
## 8/900.509.11



## 8/900.510.11



## 8/900.511.11



DESCRIPTION	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
CMT's complete kitchen set - Profile A (5 HW pcs.)	<b>900.509.11</b>	<b>800.509.11</b>
CMT's complete kitchen set - Profile B (5 HW pcs.)	<b>900.510.11</b>	<b>800.510.11</b>
CMT's complete kitchen set - Profile C (5 HW pcs.)	<b>900.511.11</b>	<b>800.511.11</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

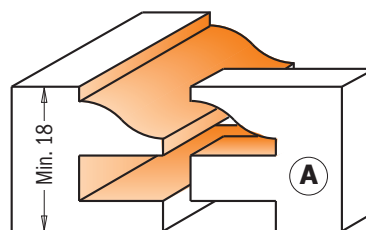
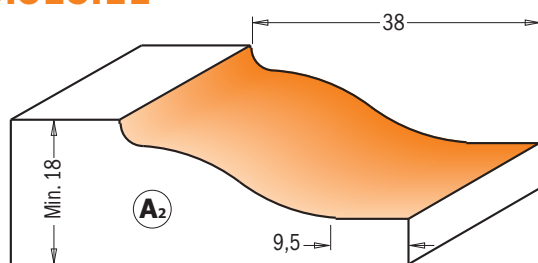
Display Cabinets

# Kitchen sets



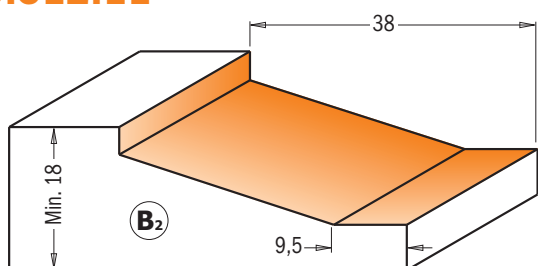
Open new doors with CMT! Our 3 piece kitchen sets include a couple of rail and style bits and a raised panel bit. Choose among 4 possible profiles to make panel doors easy and economical. Each bit is made from bar stock steel and the highest quality tungsten carbide, along with the trademark orange non-stick PTFE coating. Also, they all come with their protective hardwood case: a very nice object to keep your bits safe, organized and within hand's reach.

## 8/900.513.11



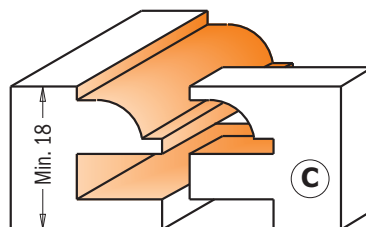
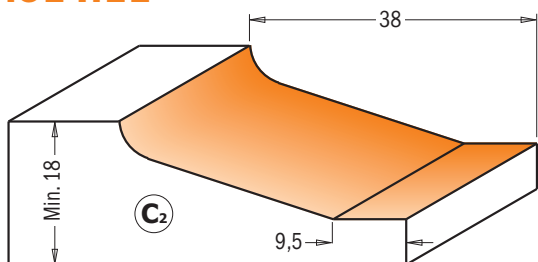
Drawings are 1:1 scale

## 8/900.512.11



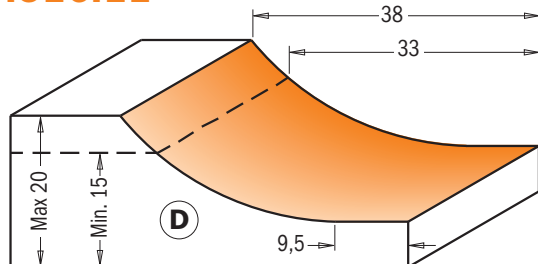
Drawings are 1:1 scale

## 8/900.514.11



Drawings are 1:1 scale

## 8/900.516.11



Drawings are 1:1 scale

DESCRIPTION	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
Kitchen set - Profile A <sub>2</sub> (3 HW pcs.)	<b>900.513.11</b>	<b>800.513.11</b>
Kitchen set - Profile B <sub>2</sub> (3 HW pcs.)	<b>900.512.11</b>	<b>800.512.11</b>
Kitchen set - Profile C <sub>2</sub> (3 HW pcs.)	<b>900.514.11</b>	<b>800.514.11</b>
Kitchen set - Profile D (3 HW pcs.)	<b>900.516.11</b>	<b>800.516.11</b>

# The cabinetmaking sets



**800.515 - 800.520**



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:

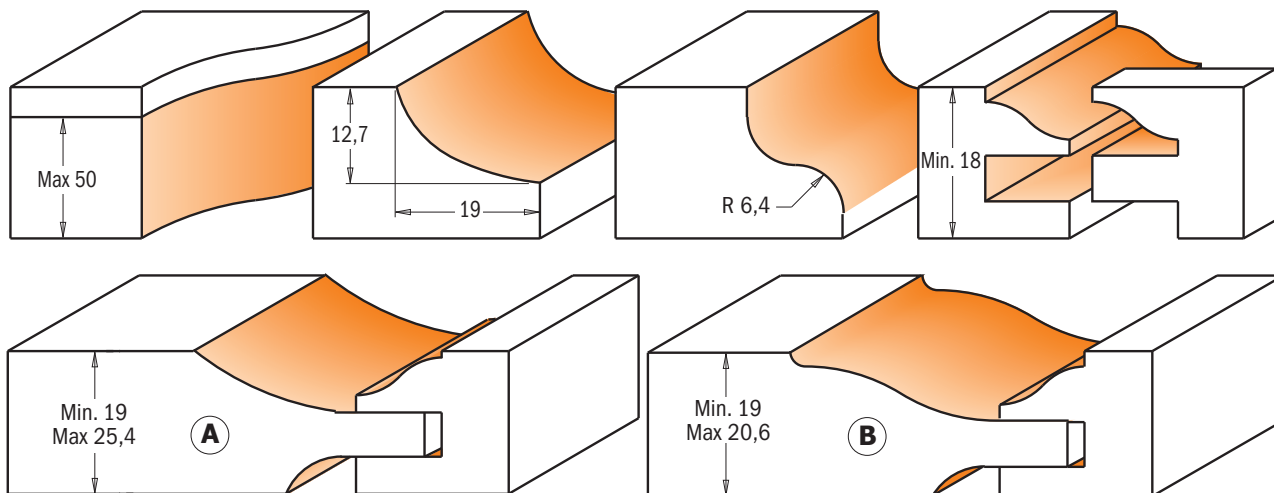
**OGEE RAIL & STILE BITS:** these two perfectly matched tools will eliminate the frustration of setting up reversible cutters. The stile bits also feature shear angles for neater cuts.

**RAISED PANEL BIT WITH BACKCUTTER:** this 88,9mm diametre bit features a backcutter for milling both the front and the back on the panel in a single cut. We recommend using a 31mm diametre bearing to work safely in two shallow passes.

**SUPER-DUTY FLUSH TRIM BIT:** this 19mm diametre 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.



Drawings are 1:1 scale

DESCRIPTION	ORDER NO.
The cabinetmaking sets - Profile A (6 HW pcs.)	S=Ø12,7mm <b>800.515.11</b>
The cabinetmaking sets - Profile B (6 HW pcs.)	<b>800.520.11</b>

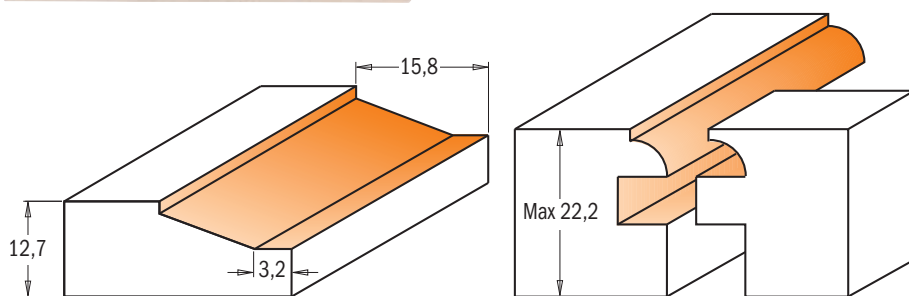
# Small arch door sets



**800.524 - 900.024**



These 3 piece sets will produce beautiful raised panel doors with a classic bevelled profile. Designed for use in fine furniture making, these sets include two matched cope and stick bits to produce frames from 15,87mm to 19mm in thickness. The stick bit shapes a decorative 4,76mm thumbnail moulding along the edge of the frame. The panel bit is designed for 12,7mm thick material. All bits are equipped with guide bearings for shaping curved work such as the small arched panel doors seen on secretaries and corner cabinetry. These sets also produce panels for small chests, lids for small boxes, or drawer fronts. Instructions included.



Drawings are 1:1 scale



DESCRIPTION	ORDER NO.	ORDER NO.
Small arch door sets (3 HW pcs.)	S=Ø8mm <b>900.024.11</b>	S=Ø12,7mm <b>800.524.11</b>

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

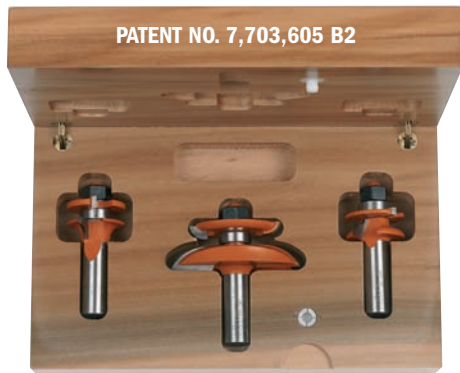
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

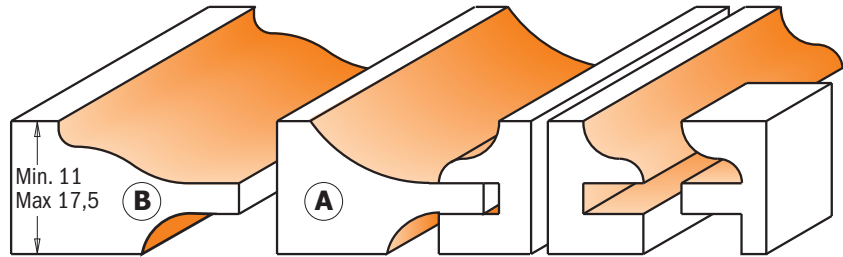
## The raised panel sets with backcutter



**8/900.518 - 8/900.522**



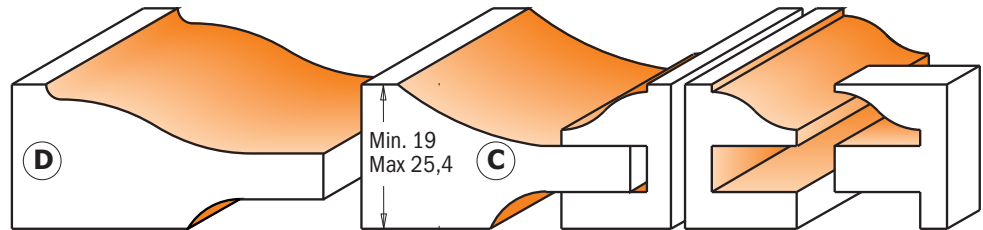
CMT's junior raised panel sets add intricate detail on a whole new scale! You will make frame and panel details as small as 70mm square in material as thin as 11mm. Delicate panel doors are only the beginning - use these bits with templates to add interesting arches to your work. The sets include a choice of a cove or an ogee raised panel bit and an ogee rail & stile pair. Packaged in beautiful hardwood cases.



Drawings are 1:1 scale

**8/900.517 - 8/900.521**

Making raised panels has never been so easy with these new 3 piece sets! The ogee rail and stile bits are made to match perfectly guaranteeing flawless work, whereas the stile cutter features a shear angle to produce the finest cuts with minimal splintering. The Ø89mm raised panel bit also features a cove profile and a backcutter for milling both the front and the back of the panel in a single pass.



DESCRIPTION		ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
The junior raised panel sets - Profile A	(3 HW pcs.)	<b>900.518.11</b>	<b>800.518.11</b>
The junior raised panel sets - Profile B	(3 HW pcs.)	<b>900.522.11</b>	<b>800.522.11</b>
The raised panel sets - Profile C	(3 HW pcs.)	<b>900.517.11</b>	<b>800.517.11</b>
The raised panel sets - Profile D	(3 HW pcs.)	<b>900.521.11</b>	<b>800.521.11</b>

## Adjustable tongue & groove bit set for Mission style cabinet doors

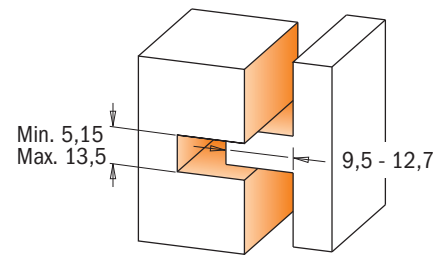
**new**



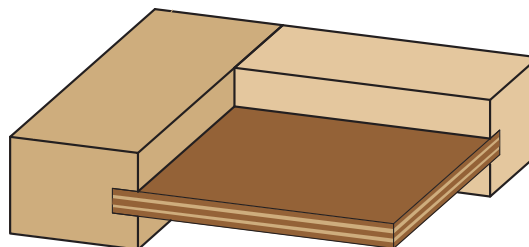
**8/900.625**

Exclusive CMT design which allows the perfect fit for undersized plywood panel. The tongue cutter features opposing shear angles to obtain flawless finishing on a large variety of material such as plywood, softwood and hardwood. For use on a table-mounted router, not for hand-held routers.

- Adjustable at 0.050mm (0.002") increments;
- For groove width from 5mm (13/64") to 13,5mm (17/32");
- Cut stock thickness of 12,7mm (1/2") to 31,7mm (1-1/4");
- Features micrograin carbide for longer life.



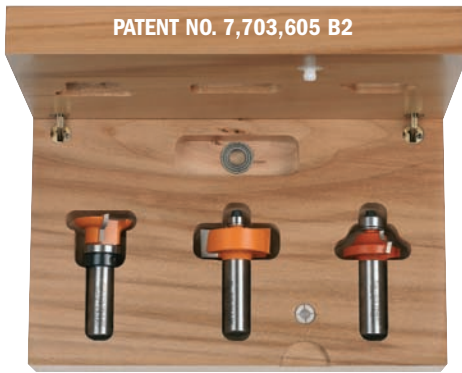
Drawings are 1:1 scale



DESCRIPTION	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
Adjustable tongue & groove bit set for Mission style cabinet doors	<b>900.625.11</b>	<b>800.625.11</b>



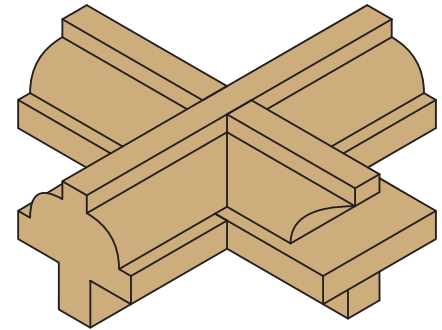
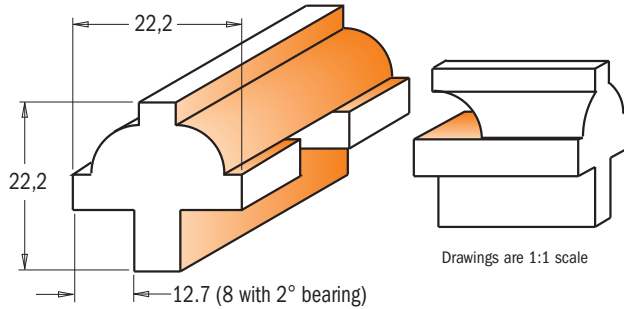
## Divided light door sets



**800.525 - 900.025**

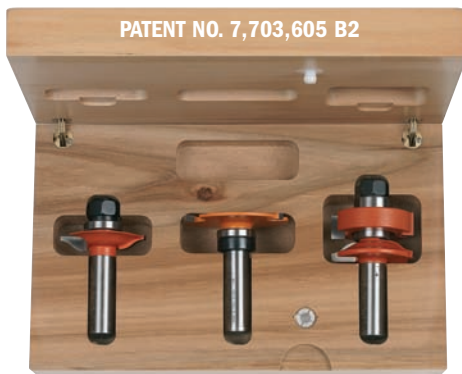


Build authentic divided light doors for fine furniture and cabinets with these 3 piece sets. They include a stuck bit to cut the decorative ovolo profile on the frame edges, a cope to shape the mating profile on the ends of the stock, and a rabbeting bit to cut the recess for the glass. Thanks to the guide bearings, you can also create arched 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 door. Available in 8mm and 12,7mm shanks. Instructions included.



DESCRIPTION	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12,7mm
Divided light door sets	<b>900.025.11</b>	<b>800.525.11</b>

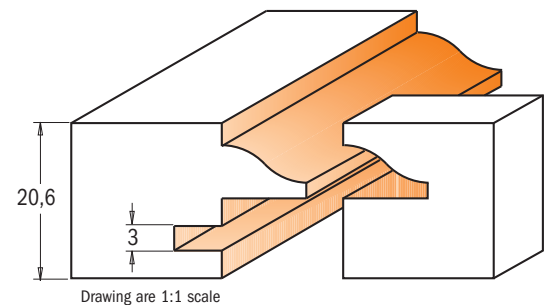
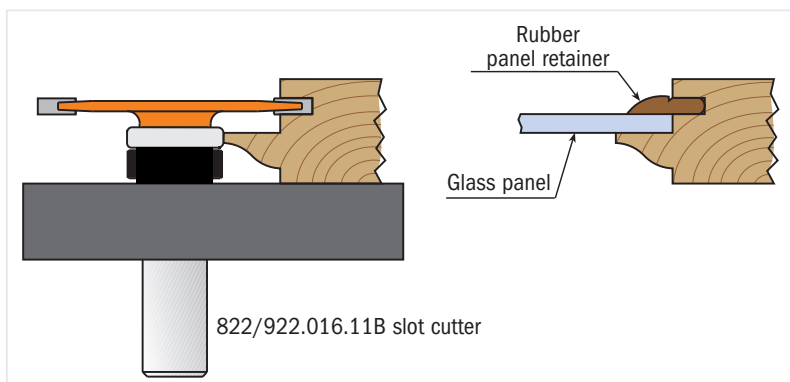
## Glass panel sets



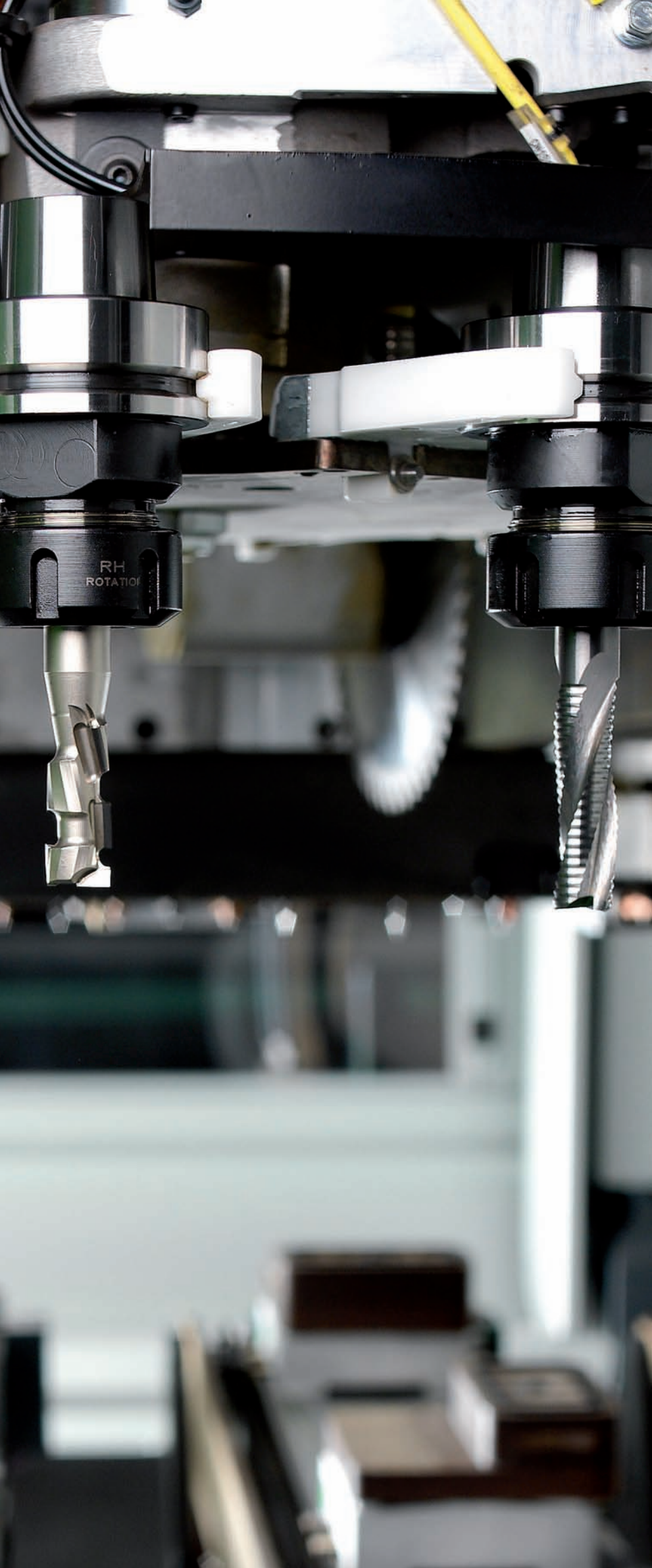
**8/955.803**



CMT's unique stile and rail router bit sets allow you to produce glass panel doors by using a rubber panel retain to secure the glass in a 3,2mm slot cut into the frames. These bits work the same as other CMT's stile and rail sets, but they leave you with a square rabbet on the inside of your door for installing the glass panel. Available in 12mm and 12,7mm shanks.



DESCRIPTION	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
Glass panel sets	<b>955.803.11</b>	<b>855.803.11</b>



# CNC router cutters & chucks

<b>Products</b>	<b>Page</b>
Universal assembly supports for chucks	176
CNC chucks	176~180
Precision collets	180-181
Cutter arbor	182-183
MK2 chucks	183
Solid carbide spiral bits	184~190
CNC straight cutters	191~197
CNC profiled cutters	198~201
Slot & mortise bits	202~208

## Precision chucks and collets

### The ideal accessories for machining centres, point-to-point machines and CNC routers.

- extreme precision and reliability;
- perfect tool centering;
- defect-free rotation;
- made from extremely high resistant steel;
- precision grinding on all jointed parts;
- extreme high rotation performance  $\geq 15$  HP - 20.000 RPM;
- for very efficient sizing on extreme unprecedented high feed speed;
- excellent finishing quality on the workpiece and longer tool life;
- sturdy design with reduced height to increase the work space between the machine and the piece;
- safe and fast tool setup;
- interchangeable collet clamps with radial grooves for secure parallel tool clamping;
- wide clamping tolerance (-0.7mm);
- right or left-hand rotation chucks with self clamping threads;
- clamping nut with Woodruff radial grooves for c-spanners;
- practical withdrawal sleeves with double differential threads for the chuck spindle;
- central hexagonal low profile for easy tool clamping through a c-spanner;
- designed and tested in collaboration with the most renowned machining and CNC router construction centres;
- delivered in a smart professional packaging.

### Universal assembly supports for chucks



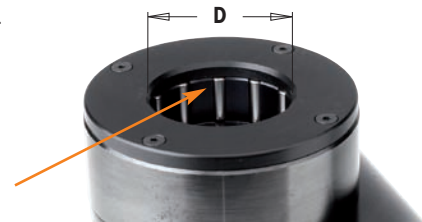
**183**

DESCRIPTION	D mm	ORDER NO.
Universal assembly supports for chucks HSK-F63	63	<b>183-HSK</b>
Universal assembly supports for chucks ISO30	50	<b>183-ISO</b>

#### For HSK-F63 and ISO30 chucks

CMT now offers new universal assembly supports for HSK-F63 and ISO30 chucks. Thanks to the bidirectional roller bearings, which clamp the toolholder to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.

The special bidirectional roller bearing clamps the toolholder to the flange, offering the highest protection to the tool taper.



### HSK chuck for "ER32" precision collets



**183.300**

**RH LH**

S	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-F63	ER32	<b>183.300.01</b>	<b>183.300.02</b>

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

## ISO30 chucks for “ER32” precision collets



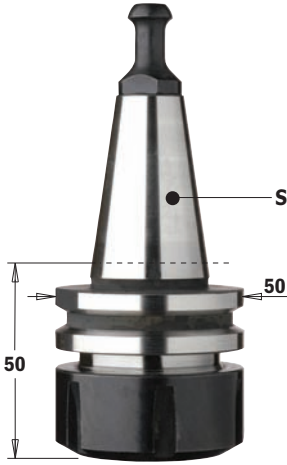
**183.200**

**RH LH**

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø12-8	<b>183.200.01</b>	<b>183.200.02</b>

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
ISO 30	ER32	Ø13-9	<b>183.210.01</b>	<b>183.210.02</b>

995.201

For Biesse machines with Omlat engine, Bulleri, 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
ISO 30	ER32	Ø12,8-9	<b>183.220.01</b>	<b>183.220.02</b>

995.202

For Alberti and Masterwood machines.

## 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
ISO 30	ER32	Ø8,5	<b>183.250.01</b>	<b>183.250.02</b>

995.250

For Morbidelli and SCM machines.



**183.251**

**RH LH**

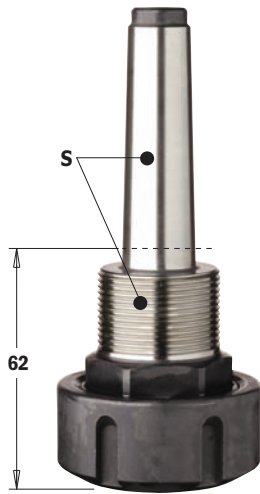
S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø8,5	<b>183.251.01</b>	<b>183.251.02</b>

For Morbidelli and SCM machines (with aluminium flange already assembled Ø69,5mm).

### Retaining stud and aluminium flange

DESCRIPTION	ORDER NO.
Ø69,5mm aluminium flange	<b>992.501.00</b>

## Chucks for “ER32” precision collets

**183.000/100**
**RH LH**


S mm	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/M30x1,5	ER32	<b>183.000.01</b>	<b>183.000.02</b>
MK3/M30x1,5	ER32	<b>183.100.01</b>	

**MK2/MK3 tapered shank**

Saw blades

 Tools with bore  
& Knives

 Router Bits  
& Sets

**CNC Router Cutter  
& Chucks**

 Industrial  
Dowel Drills

 Bits for Hand  
Power Tools

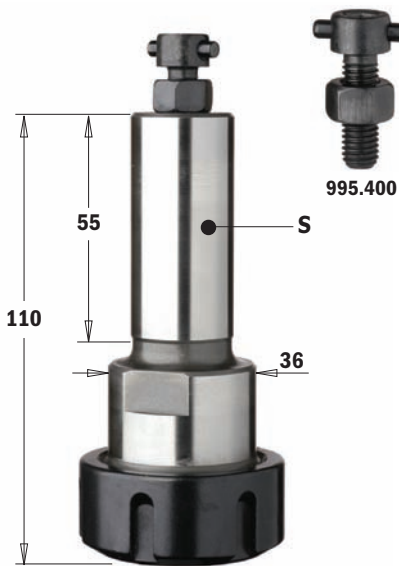
Spare Parts

 Power Tools  
& Accessories

Display Cabinets

**178**

## Chucks for “ER32” precision collets

**183.400**
**RH**


S mm	To be used with collet	Retaining stud	ORDER NO. Right-hand rotation
Ø25x55	ER32	PS LEUCO	<b>183.400.01</b>

**For machines with PS Leuco system**

## Clamping nuts for chucks with “ER32” collets


**992.183**
**RH LH**

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
<b>Clamping nut without bearing</b> For 183.000/100/200/250/300/400 chucks	<b>992.183.01</b>	<b>992.183.02</b>
<b>Clamping nut with bearing</b> For 183.000/100/200/250/300/400 chucks	<b>992.183.11</b>	<b>992.183.12</b>

## C-Spanner for “ER32” precision collets


**991.183**

DESCRIPTION	ORDER NO.
C-Spanner for “ER32” precision collets	<b>991.183.00</b>

## HSK chucks for “ER40” precision collets



**183.310**

**RH LH**

S	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-F63	ER40	<b>183.310.01</b>	<b>183.310.02</b>

For Homag, Eima, IMA from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

## ISO30 chucks for “ER40” precision collets



995.200

**183.201**

**RH**

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation
ISO30	ER40	Ø12-8	<b>183.201.01</b>

For Biesse machines.



995.201

**183.211**

**RH**

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation
ISO30	ER40	Ø13-9	<b>183.211.01</b>

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.



995.202

**183.221**

**RH**

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation
ISO30	ER40	Ø12,8-9	<b>183.221.01</b>

For Alberti and Masterwood machines.

## Clamping nuts for chucks with “ER40” precision collets



**992.383**

**RH LH**

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
<b>Clamping nut without bearing</b> For 183.201/211/221/310 chucks	<b>992.383.01</b>	<b>992.383.02</b>
<b>Clamping nut with bearing</b> For 183.201/211/221/310 chucks	<b>992.383.11</b>	

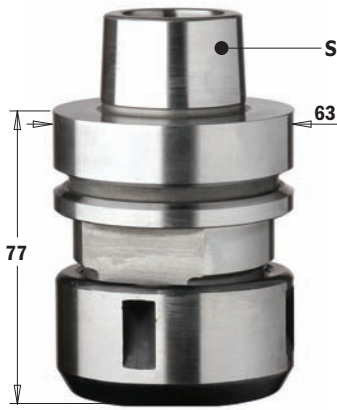
## C-spanner for “ER40” precision collets



**991.184**

DESCRIPTION	ORDER NO.
C-Spanner for “ER40” precision collet	<b>991.184.00</b>

## HSK chuck for "DIN6388" precision collet



### 183.320

**RH**

S	To be used with collet	ORDER NO.
HSK-F63	DIN6388	Right-hand rotation <b>183.320.01</b>

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

#### Spare parts

Clamping nut with bearing	<b>992.283.11</b>
---------------------------	-------------------

## "DIN6388" precision collets



### 185

#### TECHNICAL DETAILS:

- replaceable Std "DIN6388" collets (from 6 to 25mm)
- fit most tapered spindle noses
- +0-0,5mm wide clamping tolerance
- suitable for most conical chucks.

**REMARK: special dimensions available on request**

D <sub>3</sub> mm	ORDER NO.
6	<b>185.060.00</b>
8	<b>185.080.00</b>
10	<b>185.100.00</b>
12	<b>185.120.00</b>
13	<b>185.130.00</b>
14	<b>185.140.00</b>
16	<b>185.160.00</b>
18	<b>185.180.00</b>
20	<b>185.200.00</b>
25	<b>185.250.00</b>

## Clamping nuts



### 992.283

**RH**

DESCRIPTION	ORDER NO.
Clamping nut without bearing	Right-hand rotation <b>992.283.01</b>
Clamping nut with bearing	<b>992.283.11</b>

## C-Spanner for "DIN6388" & "ER40"



### 991.283

DESCRIPTION	ORDER NO.
C-Spanner for "Usag" 58-62-65	<b>991.283.00</b>

## “ER20” precision collets



### 184.xxx.20

**TECHNICAL DETAILS:**

- replaceable Std "ER20" collets (from 3 to 12,7mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

**REMARK:** special dimensions available on request

D <sub>3</sub> mm	ORDER NO.
3	184.030.20
6	184.060.20
6,35	184.064.20
8	184.080.20
10	184.100.20
12	184.120.20
12,7	184.127.20

## “ER25” precision collets



### 184.xxx.25

**TECHNICAL DETAILS:**

- replaceable Std "ER25" collets (from 6 to 16mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

**REMARK:** special dimensions available on request

D <sub>3</sub> mm	ORDER NO.
6	184.060.25
8	184.080.25
10	184.100.25
12	184.120.25
14	184.140.25
16	184.160.25

## “ER32” precision collets for 183.000/100/200/250/300/400 chucks



### 184.000

**TECHNICAL DETAILS:**

- replaceable Std "ER32" collets (from 3 to 20mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

**REMARK:** special dimensions available on request

D <sub>3</sub> mm	ORDER NO.
3	184.030.00
4	184.040.00
5	184.050.00
6	184.060.00
6,35	184.065.00
7	184.070.00
8	184.080.00
10	184.100.00
12	184.120.00
13	184.130.00
14	184.140.00
16	184.160.00
18	184.180.00
19	184.190.00
20	184.200.00

## “ER40” precision collets for 183.201/211/221/310 chucks



### 184.002

**TECHNICAL DETAILS:**

- replaceable Std "ER40" collets (from 4 to 25mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

**REMARK:** special dimensions available on request

D <sub>3</sub> mm	ORDER NO.
4	184.042.00
5	184.052.00
6	184.062.00
7	184.072.00
8	184.082.00
10	184.102.00
12	184.122.00
13	184.132.00
14	184.142.00
16	184.162.00
18	184.182.00
19	184.192.00
20	184.202.00
25	184.252.00



## Cap nuts for CNC machines



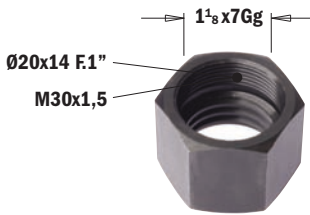
**993.0**

RH LH

Internal thread	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Ø20x14Fx1"	<b>993.020.01</b>	<b>993.020.02</b>
M30x1,5	<b>993.030.01</b>	<b>993.030.02</b>

For machines with M33x3 threaded spindle nose

## Cap nuts for router machines



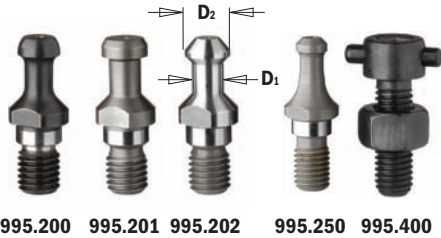
**993.5**

RH LH

Internal thread	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Ø20x14Fx1"	<b>993.520.01</b>	
M30x1,5	<b>993.530.01</b>	<b>993.530.02</b>

For machines with 1-1/8"x7 threaded spindle nose

## ISO30 retaining studs



DESCRIPTION	D <sub>1</sub> mm	D <sub>2</sub> mm	ORDER NO.
Retaining stud for 183.200/201 "Biesse" chucks	8	12	<b>995.200.00</b>
Retaining stud for 183.210/211 "Biesse, Omlat, Bulleri, Busellato, CMS and IMA" chucks	9	13	<b>995.201.00</b>
Retaining stud for 183.220/221 "Alberti-Masterwood" chucks	9	12,8	<b>995.202.00</b>
Retaining stud for 183.250/251 "SCM - Morbidelli" chucks	6,5	8,5	<b>995.250.00</b>
Retaining stud for "PS and Leuco" 183.400 chucks	M8		<b>995.400.00</b>

## Cutter arbor with HSK tapered shank



**183.360**

RH LH

S	D mm	D <sub>3</sub> mm	ORDER NO.
HSK-F63	Ø30x100	63	<b>183.360.00</b>
HSK-F63	Ø35x100	63	<b>183.361.00</b>
HSK-F63	Ø40x100	63	<b>183.362.00</b>

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines

## Cutter arbor with ISO30 tapered shank

**183.260**

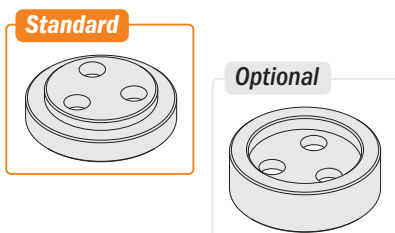
RH LH

S	D mm	D <sub>3</sub> mm	ORDER NO.
ISO 30	Ø30x100	50	<b>183.260.00</b>

For Biesse machines.

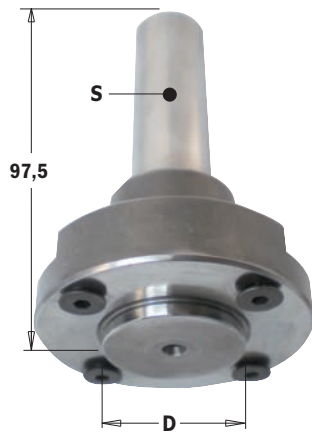
REMARK: special dimensions available on request

## Spare parts for chucks



DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
M6x25 TCEI screw	<b>990.098.00</b>	<i>Optional</i>	
Steel flange for with Ø30mm arbors - Male	<b>992.560.30M</b>	Steel flange for with Ø30mm arbors - Female	<b>992.560.30F</b>
Steel flange for with Ø35mm arbors - Male	<b>992.560.35M</b>	Steel flange for with Ø35mm arbors - Female	<b>992.560.35F</b>
Steel flange for with Ø40mm arbors - Male	<b>992.560.40M</b>	Steel flange for with Ø40mm arbors - Female	<b>992.560.40F</b>

## Saw blade arbor with parallel shank



**183.410**

RH  
LH

S mm	D mm	Pin Hole 	L mm	ORDER NO.
20	30	4/M6/48	97,5	<b>183.410.30</b>

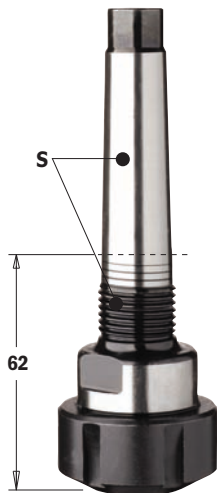
### Spare parts

M6x10mm TCEI screw	<b>990.083.00</b>
3mm allen key	<b>991.067.00</b>

Saw blades

Tools with bore  
& Knives

## Collet chucks clamp with MK2 tapered shank



**123**

RH LH

S	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/Ø20x14Fx1"	<b>123.000.01</b>	<b>123.000.02</b>

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

## Collets for 123 chucks



**124**

D <sub>3</sub> mm	ORDER NO.	D <sub>3</sub> mm	ORDER NO.
6	<b>124.060.00</b>	10	<b>124.100.00</b>
6,35	<b>124.064.00</b>	12	<b>124.120.00</b>
8	<b>124.080.00</b>	12,7	<b>124.127.00</b>
9,5	<b>124.095.00</b>	14	<b>124.140.00</b>

Bits for Hand  
Power Tools

Spare Parts

## Clamping nuts



**992.123**

RH LH

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut	<b>992.123.01</b>	<b>992.123.02</b>

Power Tools  
& Accessories

## C-spanner



**991.123**

DESCRIPTION	ORDER NO.
Type 40-42 "Usag" c-spanner	<b>991.123.00</b>

Display Cabinets

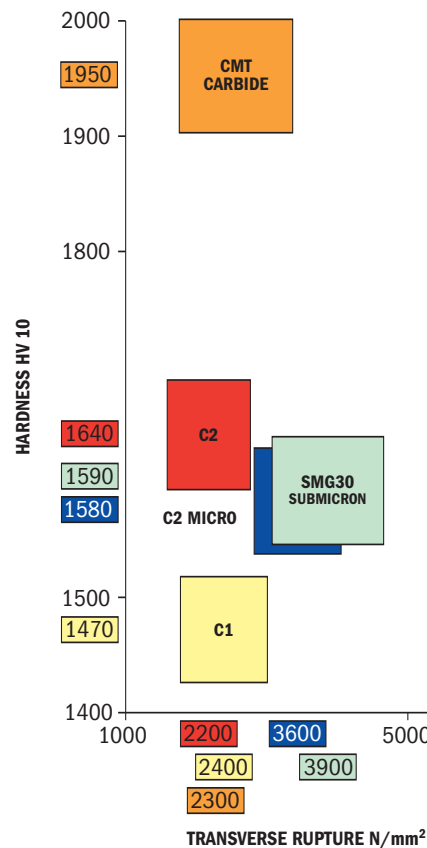
## Sharp technology with a new twist

A special super-micrograin carbide formulation was created to produce and hold a keen cutting edge.

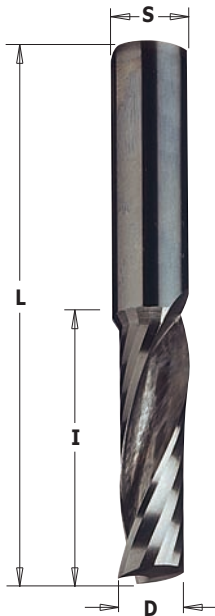
The new low-angle spiral is designed specifically to shear wood cleanly and provide efficient chip ejection.

The tools run cooler and the edges last longer.

Increased feed rate and improved cutting quality for enhanced productivity with CMT!



## Solid carbide upcut spiral bits



### 198

**HWM** **Z1** **RH**

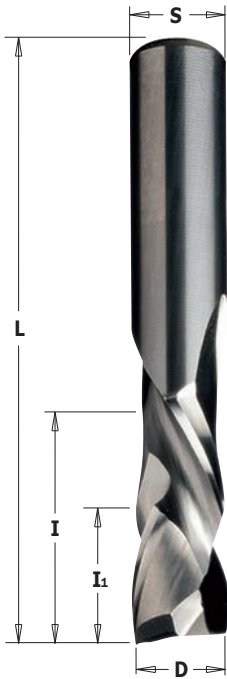
D	I	L	S	ORDER NO.
mm	mm	mm	mm	Right-hand rotation
3	12	50	3	<b>198.030.11</b>
3,18	12,7	50,8	6,35	<b>198.001.11</b>
4	15	50	4	<b>198.040.11</b>
4,76	15,87	50,8	6,35	<b>198.005.11</b>
5	17	50	5	<b>198.050.11</b>
6	22	60	6	<b>198.060.11</b>
6,35	19,05	50,8	6,35	<b>198.007.11</b>
6,35	25,4	63,5	6,35	<b>198.008.11</b>
8	22	70	8	<b>198.080.11</b>
9,52	28,57	76,2	9,52	<b>198.504.11</b>
10	32	70	10	<b>198.100.11</b>
10	42	80	10	<b>198.101.11</b>
10	52	90	10	<b>198.102.11</b>
12	32	80	12	<b>198.120.11</b>

#### TECHNICAL DETAILS:

- Premium quality HWM
- 1 spiral cutting edge [Z1]
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for cutting, copying, panel sizing and any routing applications on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

## Solid carbide up & downcut spiral bits



**190**

HWM Z2+2 Z3+3 RH

D mm	I mm	I <sub>1</sub> mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
8	32	7	80	8	2+2	<b>190.080.11</b>
9,52	28,6	7	76,2	9,52	2+2	<b>190.504.11</b>
10	32	7	80	10	2+2	<b>190.100.11</b>
12	42	7	90	12	2+2	<b>190.120.11</b>
12,7	25,4	16	76,2	12,7	2+2	<b>190.505.11</b>
12,7	28,6	16	76,2	12,7	2+2	<b>190.506.11</b>
12,7	34,9	16	88,9	12,7	2+2	<b>190.507.11</b>
12,7	41,3	16	101,6	12,7	2+2	<b>190.508.11</b>
16	55	24	110	16	2+2	<b>190.160.11</b>
18	55	30	110	18	2+2	<b>190.180.11</b>

### ...up & downcut mortising bits

9,52	22,2	4,8	76,2	9,52	2+2	<b>190.513.11</b>
9,52	25,4	5,2	76,2	9,52	3+3	<b>190.813.11</b>
12	25	5,2	76	12	3+3	<b>190.320.11</b>
12,7	22,2	5,2	76,2	12,7	2+2	<b>190.515.11</b>
12,7	34,9	5,2	88,9	12,7	2+2	<b>190.517.11</b>

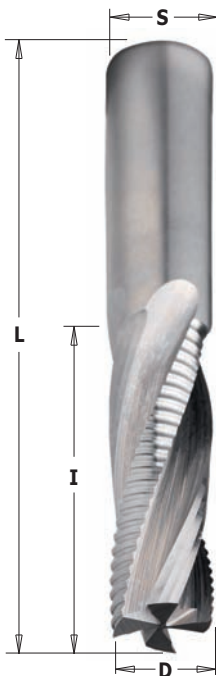
#### TECHNICAL DETAILS:

- Premium quality HWM
- 2+2 spiral cutting edges [Z2+2]
- 3+3 spiral cutting edges [Z3+3]
- Provide an excellent finish on both the upper and the lower side of the workpiece.

**APPLICATION:** used for cutting, copying, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates. Use a high feed speed on well-clamped workpieces.

Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

## Solid carbide upcut spiral bits



**197**

HWM Z4 RH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
12	42	90	12	<b>197.121.11</b>
14	50	110	14	<b>197.140.11</b>
16	55	110	16	<b>197.160.11</b>
16	35	90	16	<b>197.161.11</b>
18	55	110	18	<b>197.180.11</b>
20	60	120	20	<b>197.200.11</b>
20	70	120	20	<b>197.201.11</b>

#### TECHNICAL DETAILS:

- Premium quality HWM
- 4 spiral cutting edges (2 with chip-breaker) [Z2+2R]
- Max 0.1mm tooth depth
- Provide excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood and wood composites. Can be used on machining centres, point to point 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 spiral bits with chip-breaker



Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

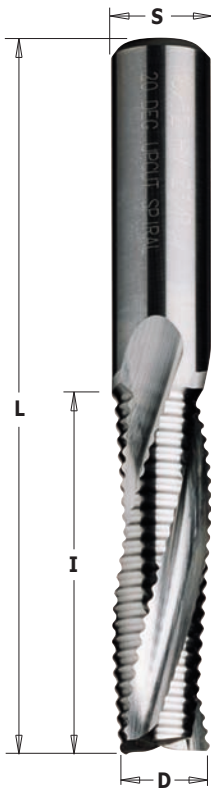
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessoires

Display Cabinets



## 195



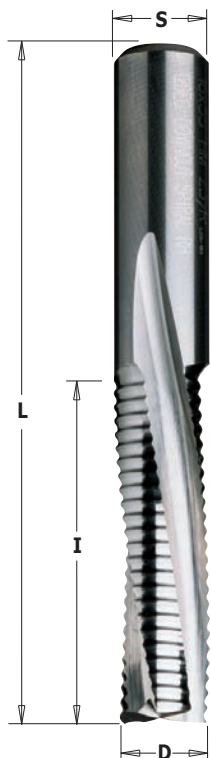
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	<b>195.081.11</b>	<b>195.081.12</b>
8	42	90	8	<b>195.082.11</b>	
10	32	80	10	<b>195.100.11</b>	<b>195.100.12</b>
10	42	90	10	<b>195.101.11</b>	
12	35	80	12	<b>195.120.11</b>	<b>195.120.12</b>
12	42	90	12	<b>195.121.11</b>	
12	52	100	12	<b>195.122.11</b>	
12,7	38,1	88,9	12,7	<b>195.506.11</b>	
14	58	110	14	<b>195.140.11</b>	
15,88	54	109,5	15,88	<b>195.509.11</b>	
16	55	110	16	<b>195.160.11</b>	<b>195.160.12</b>
16	35	90	16	<b>195.161.11</b>	
18	55	110	18	<b>195.180.11</b>	
19,05	54	109,5	19,05	<b>195.511.11</b>	
20	60	120	20	<b>195.200.11</b>	<b>195.200.12</b>
20	72	120	20	<b>195.201.11</b>	

**TECHNICAL DETAILS:**

- Premium quality HWM
- 3 spiral cutting edges [Z3R]
- Chip breaker teeth
- Max 0.3mm tooth depth
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

# Solid carbide downcut spiral bits with chip-breaker



## 196



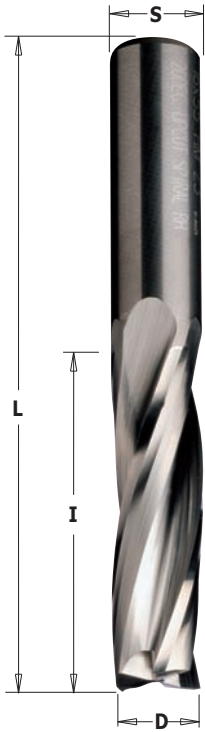
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	<b>196.081.11</b>	
10	42	90	10	<b>196.101.11</b>	
12	35	80	12	<b>196.120.11</b>	<b>196.120.12</b>
12,7	38,1	88,9	12,7	<b>196.506.11</b>	
14	50	110	14	<b>196.140.11</b>	
15,88	54	109,5	15,88	<b>196.509.11</b>	
16	55	110	16	<b>196.160.11</b>	<b>196.160.12</b>
18	55	110	18	<b>196.180.11</b>	
19,05	54	109,5	19,05	<b>196.511.11</b>	
20	60	120	20	<b>196.200.11</b>	<b>196.200.12</b>

**TECHNICAL DETAILS:**

- Premium quality HWM
- 3 spiral cutting edges [Z3R]
- Chip breaker teeth
- Max 0.3mm tooth depth
- Provide excellent finish on the upper side of the workpiece
- Downward chip ejection.

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood and wood composites. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

## Solid carbide upcut spiral bits



**193**

HWM Z3 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	32	80	8	<b>193.081.11</b>	<b>193.081.12</b>
10	32	80	10	<b>193.100.11</b>	<b>193.100.12</b>
10	42	90	10	<b>193.101.11</b>	
12	35	80	12	<b>193.120.11</b>	<b>193.120.12</b>
12	42	90	12	<b>193.121.11</b>	
14	58	110	14	<b>193.140.11</b>	
16	55	110	16	<b>193.160.11</b>	<b>193.160.12</b>
16	35	90	16	<b>193.161.11</b>	
18	55	110	18	<b>193.180.11</b>	
20	60	120	20	<b>193.200.11</b>	<b>193.200.12</b>
20	70	120	20	<b>193.201.11</b>	

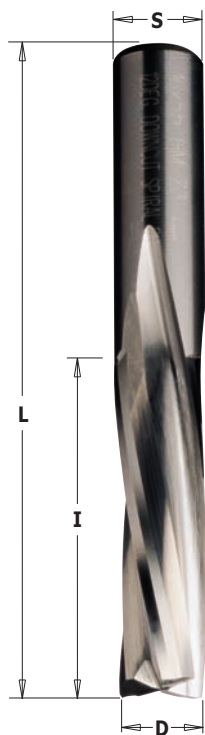
**TECHNICAL DETAILS:**

- Premium quality HWM
- 3 spiral cutting edges [Z3]
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.

Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

## Solid carbide spiral bits downcut



**194**

HWM Z3 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	32	80	10	<b>194.100.11</b>	
12	35	80	12	<b>194.120.11</b>	<b>194.120.12</b>
14	50	110	14	<b>194.140.11</b>	
16	55	110	16	<b>194.160.11</b>	<b>194.160.12</b>
16	35	90	16	<b>194.161.11</b>	
18	55	110	18	<b>194.180.11</b>	
20	60	120	20	<b>194.200.11</b>	<b>194.200.12</b>

**TECHNICAL DETAILS:**

- Premium quality HWM
- 3 spiral cutting edges [Z3]
- Provide an excellent finish on the upper side of the workpiece
- Downward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates.

Can be used at a high feed speed on small, difficult to clamp workpieces.

Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

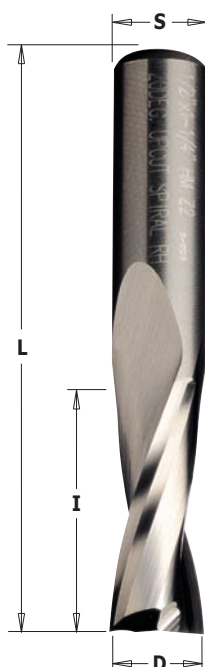
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Solid carbide upcut spiral bits



## 191

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	12	50	3	<b>191.030.11</b>
3	12	60	6	<b>191.630.11</b>
3	12	60	8	<b>191.830.11</b>
3,18	12,7	50,8	6,35	<b>191.001.11</b>
3,5	12	60	6	<b>191.635.11</b>
3,97	12,7	50,8	6,35	<b>191.003.11</b>
4	15	50	4	<b>191.040.11</b>
4	15	60	6	<b>191.640.11</b>
4	15	60	8	<b>191.840.11</b>
4,76	19,05	50,8	6,35	<b>191.005.11</b>
5	17	50	5	<b>191.050.11</b>
5	17	60	6	<b>191.650.11</b>
5	17	60	8	<b>191.850.11</b>
6	27	70	6	<b>191.060.11</b>
6	27	70	8	<b>191.860.11</b>
6,35	19,05	50,8	6,35	<b>191.007.11</b>
6,35	25,4	63,5	6,35	<b>191.008.11</b>
7	32	80	8	<b>191.870.11</b>
7,94	25,4	76,2	12,7	<b>191.501.11</b>
8	22	70	8	<b>191.080.11</b>
8	32	80	8	<b>191.081.11</b>
8	42	90	8	<b>191.082.11</b>
9	32	80	12	<b>191.890.11</b>
9,52	31,75	76,2	12,7	<b>191.503.11</b>
10	32	80	8	<b>191.800.11</b>
10	32	80	10	<b>191.100.11</b>
10	32	80	12	<b>191.900.11</b>
10	42	90	10	<b>191.101.11</b>
10	42	90	12	<b>191.901.11</b>
12	35	80	8	<b>191.820.11</b>
12	35	80	12	<b>191.120.11</b>
12	42	90	12	<b>191.121.11</b>
12	52	100	12	<b>191.122.11</b>
12,7	31,75	76,2	12,7	<b>191.505.11</b>
12,7	38,1	88,9	12,7	<b>191.506.11</b>
12,7	50,8	101,6	12,7	<b>191.507.11</b>
14	50	110	14	<b>191.140.11</b>
15,88	55	109,5	15,88	<b>191.509.11</b>
16	55	110	16	<b>191.160.11</b>
16	35	90	16	<b>191.161.11</b>
19,05	55	109,5	19,05	<b>191.511.11</b>
20	60	120	20	<b>191.200.11</b>

**TECHNICAL DETAILS:**

- Premium quality HWM
- 2 spiral cutting edges [Z2]
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates.

Can be used at a high feed speed on well-clamped workpieces. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

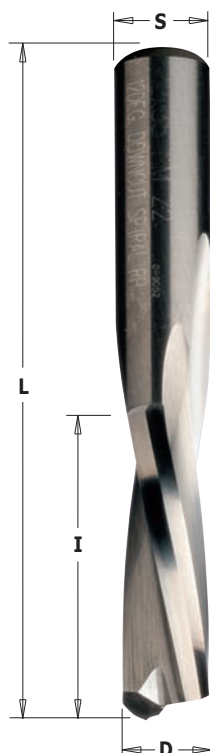
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Solid carbide downcut spiral bits



**192**

HWM Z2 RH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	12	50	3	<b>192.030.11</b>
3	12	60	6	<b>192.630.11</b>
3	12	60	8	<b>192.830.11</b>
3,18	12,7	50,8	6,35	<b>192.001.11</b>
3,97	12,7	50,8	6,35	<b>192.003.11</b>
4	15	50	4	<b>192.040.11</b>
4	15	60	6	<b>192.640.11</b>
4	15	60	8	<b>192.840.11</b>
4,76	19,05	50,8	6,35	<b>192.005.11</b>
5	17	50	5	<b>192.050.11</b>
5	17	60	6	<b>192.650.11</b>
5	17	60	8	<b>192.850.11</b>
6	27	70	6	<b>192.060.11</b>
6	27	70	8	<b>192.860.11</b>
6,35	19,05	50,8	6,35	<b>192.007.11</b>
6,35	25,4	63,5	6,35	<b>192.008.11</b>
7,94	25,4	76,2	12,7	<b>192.501.11</b>
8	22	70	8	<b>192.080.11</b>
8	32	80	8	<b>192.081.11</b>
8	42	90	8	<b>192.082.11</b>
9,52	31,75	76,2	12,7	<b>192.503.11</b>
10	32	80	8	<b>192.800.11</b>
10	32	80	10	<b>192.100.11</b>
10	32	80	12	<b>192.900.11</b>
12	35	80	8	<b>192.820.11</b>
12	35	80	12	<b>192.120.11</b>
12,7	31,75	76,2	12,7	<b>192.505.11</b>
12,7	38,1	88,9	12,7	<b>192.506.11</b>
12,7	50,8	101,6	12,7	<b>192.507.11</b>
16	55	110	16	<b>192.160.11</b>

**TECHNICAL DETAILS:**

- Premium quality HWM
- 2 spiral edges [Z2]
- Provide an excellent finish on the upper side of the workpiece
- Downward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, wood composites, plastic materials and laminates.  
 Can be used at a high feed speed on small, difficult to clamp work pieces.  
 Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



# Solid carbide upcut spiral bits with chip-breaker for locksets



Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 195

HWM Z3R RH

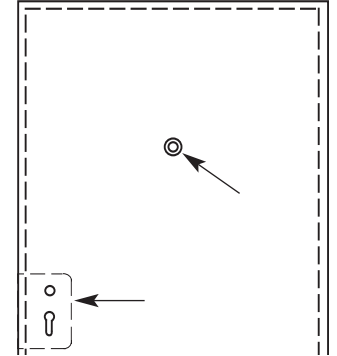
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
14	95*	150	14	<b>195.142.11</b>
16	95*	150	16	<b>195.162.11</b>
18	95*	150	18	<b>195.182.11</b>

\* The 95mm length is achieved in 2-3 passes.

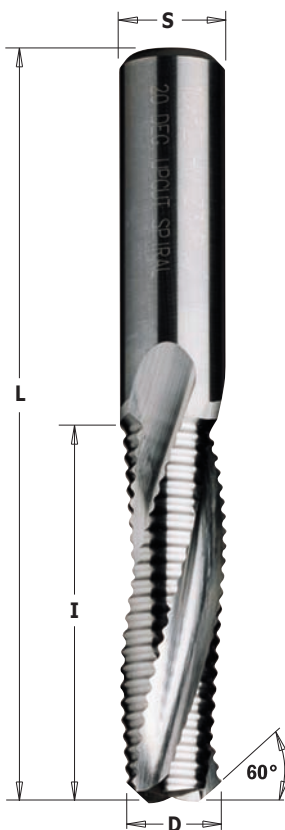
### TECHNICAL DETAILS:

- Premium quality HWM
- 3 spiral cutting edges [Z3R]
- Chip breaker teeth
- Max 0.3mm tooth depth
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.



# Solid carbide upcut with spiral bits chip-breaker for 60° V-point locksets



## 195.143/163

HWM Z3R RH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
14	58	110	14	<b>195.143.11</b>
16	55	110	16	<b>195.163.11</b>

## Solid carbide upcut spiral bits without chip-breaker for 60° V-point locksets

## 191.143/163

HWM Z3 RH

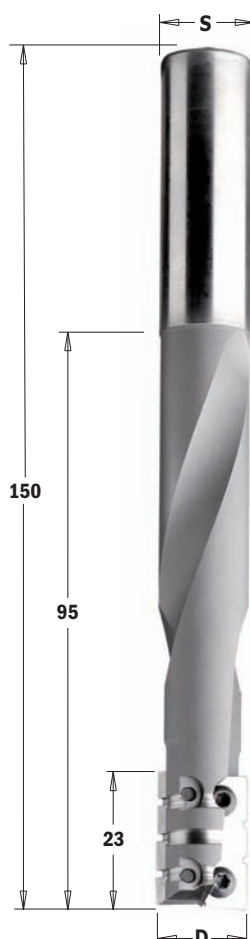
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
14	50	110	14	<b>191.143.11</b>
16	55	110	16	<b>191.163.11</b>

### TECHNICAL DETAILS:

- Premium quality HWM
- 3 spiral cutting edges [Z3]
- Provide an excellent finish on the lower side of the workpiece
- Upward chip ejection

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

# Spiral bits with insert knives and chip-breaker for locksets



**662**



D	I	L	S	ORDER NO.
mm	mm	mm	mm	Right-hand rotation
16	23/95*	150	16	<b>662.160.11</b>

**Spare parts**

23x7x1.5mm 2-RT HW-HC knives	<b>790.230.2R</b>
23x7x1.5mm 3-RT HW-HC knives	<b>790.230.3R</b>
M3x4mm T9 Torx screw	<b>990.082.00</b>
T9 Torx key	<b>991.069.00</b>

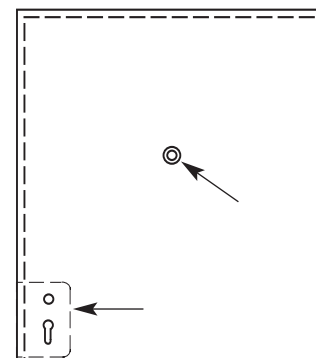
\* The 95mm length is achieved in 3-4 passes.

**TECHNICAL DETAILS:**

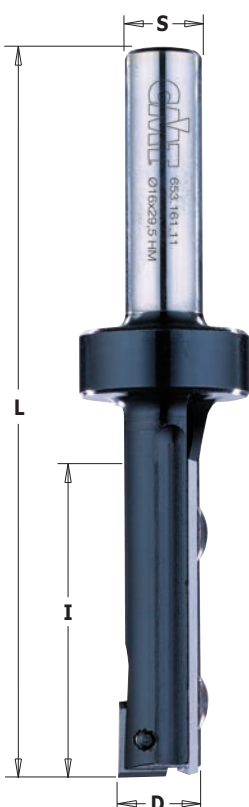
- Super strength steel (heavy-duty material)
- 2 cutting edges [Z2R]
- Chip-breaker teeth

**APPLICATION:** used for ripping, template routing, panel sizing and any routing application on solid wood, or wood composites. Can be used at a high feed speed on well-clamped workpieces.

Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.



# Straight router cutters with insert knives



**653**



D	I	L	S	Spare knives		ORDER NO.
				side	top	
mm	mm	mm	mm			Right-hand rotation
16	28,3	91,5	20	790.283.12	790.075.00	<b>653.661.11</b>
16	48,3	111,5	20	790.483.12	790.075.00	<b>653.662.11</b>
18	48,3	111,5	20	790.483.12	790.075.00	<b>653.681.11</b>
20	48,3	111,5	20	790.483.12	790.096.00	<b>653.701.11</b>

**Spare parts**

7,5x12x1,5mm knife	<b>790.075.00</b>
9,6x12x1,5mm knife	<b>790.096.00</b>
28,3x12x1,5mm knife	<b>790.283.12</b>
48,3x12x1,5mm knife	<b>790.483.12</b>
M3,5x3,5mm Torx screw	<b>990.072.00</b>
M4x3,5mm Torx screw	<b>990.074.00</b>
M4x6mm Torx screw	<b>990.075.00</b>
T15 Torx key	<b>991.061.00</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 cutting edges [Z1+1]

**APPLICATION:** straight router bit with one replaceable plunging knife and one side knife fixed by special Torx screws. The body is precise balanced. For finishing and routing, plunge cutting and grooving in boards materials (laminated chipboards, MDF) and hardwood. For use on CNC machining centres.

## DP router cutters with shear angle



**141**

DP Z1+1 Z1 RH



D mm	I mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
6	8	65	12x40	1	<b>141.060.61</b>
8	12	65	12x40	1	<b>141.080.61</b>
*10	22	75	12x40	1+1	<b>141.101.61</b>

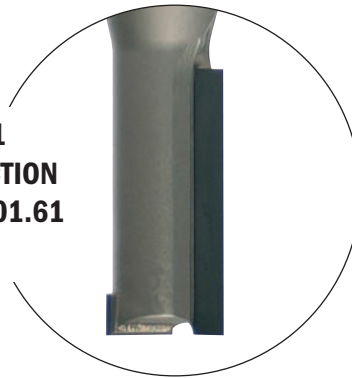
**TECHNICAL DETAILS:**

- Super strength steel
- DP cutting edge
- HW plunging tip for diagonal plunge-cutting
- Resharpenable cutter (max 3 times)
- Max feed speed 4 m/min

**40X**  
LONGER LIFE  
THAN CARBIDE

**APPLICATION:** to be used on all CNC routers for jointing and sizing of solid wood and wood-based panels

\* Z1+1  
CONSTRUCTION  
FOR 141.101.61  
ITEM



## DP router cutters with shear angle



**140**

DP Z1+1 RH



D mm	I mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
12	27	75	12x40	1+1 (3 DP+1 HW)	<b>140.120.61</b>
12	35	84	12x40	1+1 (4 DP+1 HW)	<b>140.121.61</b>
12,7	27	75	12,7x40	1+1 (3 DP+1 HW)	<b>140.127.61</b>
12,7	35	84	12,7x40	1+1 (4 DP+1 HW)	<b>140.128.61</b>
15,87	27	87	15,87x50	1+1 (3 DP+1 HW)	<b>140.158.61</b>
15,87	44	103	15,87x50	1+1 (5 DP+1 HW)	<b>140.159.61</b>
16	27	87	16x50	1+1 (3 DP+1 HW)	<b>140.160.61</b>
16	35	95	16x50	1+1 (4 DP+1 HW)	<b>140.161.61</b>
18	27	87	20x50	1+1 (3 DP+1 HW)	<b>140.180.61</b>
18	35	95	20x50	1+1 (4 DP+1 HW)	<b>140.181.61</b>
18	44	103	20x50	1+1 (5 DP+1 HW)	<b>140.182.61</b>
19,05	27	87	19,05x50	1+1 (3 DP+1 HW)	<b>140.190.61</b>
19,05	44	103	19,05x50	1+1 (5 DP+1 HW)	<b>140.192.61</b>
20	27	87	20x50	1+1 (3 DP+1 HW)	<b>140.200.61</b>
20	35	95	20x50	1+1 (4 DP+1 HW)	<b>140.201.61</b>
20	44	103	20x50	1+1 (5 DP+1 HW)	<b>140.202.61</b>
20	53	112	20x50	1+1 (6 DP+1 HW)	<b>140.203.61</b>

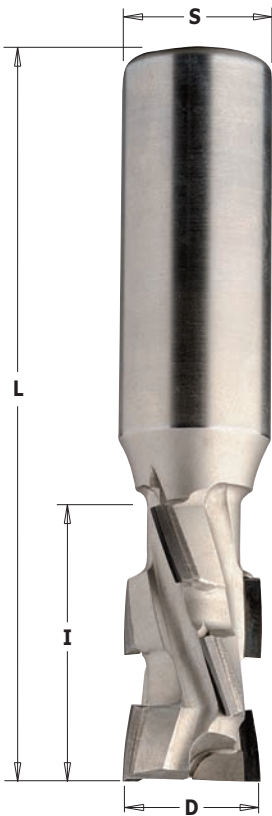
**TECHNICAL DETAILS:**

- Super strength steel
- DP cutting edge
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance)
- Resharpenable cutter (max 3 times)
- Max feed speed 5 m/min

**40X**  
LONGER LIFE  
THAN CARBIDE

**APPLICATION:** to be used on all CNC routers for jointing, rabbeting, grooving and copying of raw material, melamine and laminates, MDF, HPL and veneered panels.

## DP router cutters with shear angle



### 142

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)	<b>142.200.61</b>
20	36	95	20x50	2+2 (8 DP+1 HW)	<b>142.201.61</b>
20	45	105	20x50	2+2 (10 DP+1 HW)	<b>142.202.61</b>
20	54	115	20x50	2+2 (12 DP+1 HW)	<b>142.203.61</b>

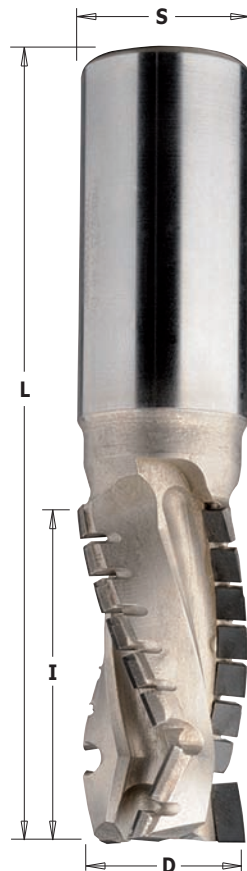
#### TECHNICAL DETAILS:

- Super strength steel
- DP cutting edge
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance)
- Resharpenable cutter (max 3 times)
- Max feed speed 10 m/min

**40X**  
LONGER LIFE  
THAN CARBIDE

**APPLICATION:** to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels.

## DP spiral router cutters with shear angle



### 143

DP Z3 RH

D mm	I mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
22	30	90	25x50	3 (12 DP+1 HW)	<b>143.220.61</b>
□ 22	35	95	25x50	3 (15 DP+1 HW)	<b>143.221.61</b>
22	40	100	25x50	3 (18 DP+1 HW)	<b>143.222.61</b>
□ 22	45	105	25x50	3 (20 DP+1 HW)	<b>143.223.61</b>
22	50	110	25x50	3 (21 DP+1 HW)	<b>143.224.61</b>
□ 22	55	115	25x50	3 (24 DP+1 HW)	<b>143.225.61</b>
22	60	120	25x50	3 (27 DP+1 HW)	<b>143.226.61</b>
□ 22	65	125	25x50	3 (29 DP+1 HW)	<b>143.227.61</b>
□ 22	70	130	25x50	3 (30 DP+1 HW)	<b>143.228.61</b>

#### TECHNICAL DETAILS:

- Super strength steel
- DP cutting edge
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance)
- Resharpenable cutter (max 6 times)
- Max feed speed 25 m/min

**40X**  
LONGER LIFE  
THAN CARBIDE

**APPLICATION:** to be used on all CNC routers for jointing, rabbeting, grooving, copying and dividing cuts of raw material, melamine and laminates, MDF, HPL and veneered panels. High performance on pre-and finish-routing.

□ On request

# Solid carbide router cutters

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

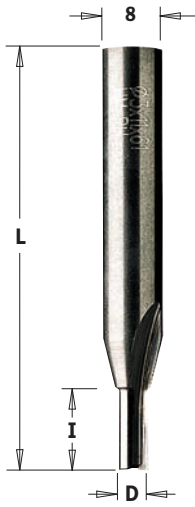
Industrial Dowel Drills

Bits for Hand Power Tools

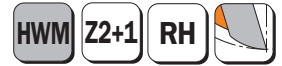
Spare Parts

Power Tools & Accessories

Display Cabinets



## 174



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	10	55	8	174.030.11
4	10	55	8	174.040.11
5	12	55	8	174.050.11
6	14	55	8	174.060.11
7	20	55	8	174.070.11

**TECHNICAL DETAILS:**  
 - Premium quality HWM  
 - 2 radial relief cutting edges [Z2]

# Router cutters



## 174



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
8	20	55	8	174.080.11
8	30	70	8	174.081.11
8	40	90	8	174.082.11
9	20	55	8	174.090.11
10	20	60	8	174.100.11
10	30	70	8	174.102.11
10	40	90	8	174.101.11
11	20	60	8	174.110.11
12	20	60	8	174.120.11
12	30	70	8	174.122.11
12	40	90	8	174.121.11
13	20	60	8	174.130.11
14	20	60	8	174.140.11
14	30	70	8	174.142.11
14	40	90	8	174.141.11
15	20	60	8	174.150.11
16	20	70	8	174.160.11
16	30	70	8	174.162.11
16	40	90	8	174.161.11
18	20	70	8	174.180.11
18	30	70	8	174.181.11
18	40	80	8	174.182.11
19	20	70	8	174.190.11
20	20	70	8	174.200.11
20	30	70	8	174.201.11
20	40	90	8	174.202.11
22	20	70	8	174.220.11
22	30	70	8	174.221.11
22	40	90	8	174.222.11
24	20	70	8	174.240.11
24	30	70	8	174.241.11
24	40	90	8	174.242.11
25	20	70	8	174.250.11
26	20	70	8	174.260.11
26	30	70	8	174.261.11
28	20	70	8	174.280.11
28	30	70	8	174.281.11
29	20	70	8	174.290.11
30	20	70	8	174.300.11

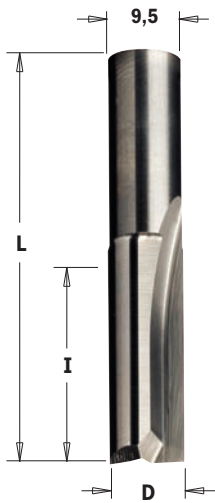


HW plunge centre tip

**TECHNICAL DETAILS:**  
 - Super strength steel  
 - 2 precision ground HW cutting edges  
 and 1 HW plunge centre tip [Z2+1]

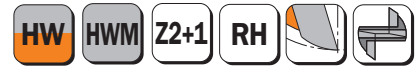
**APPLICATION:** used for drilling, grooving or jointing on solid wood and wood composites.  
 Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

## Solid carbide router cutters



HW plunge centre tip

### 112

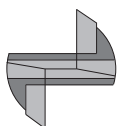


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	10	37	9,5	<b>112.030.11</b>
4	10	37	9,5	<b>112.040.11</b>
5	12	39	9,5	<b>112.050.11</b>
6	14	41	9,5	<b>112.060.11</b>
7	16	43	9,5	<b>112.070.11</b>
8	18	48	9,5	<b>112.080.11</b>
8	30	60	9,5	<b>112.081.11</b>
9	20	52	9,5	<b>112.090.11</b>
10*	22	52	9,5	<b>112.100.11</b>
10*	35	65	9,5	<b>112.101.11</b>
11*	26	52	9,5	<b>112.110.11</b>
12*	26	52	9,5	<b>112.120.11</b>

\* Super strength steel  
2 precision ground HW cutting edges [Z2+1]

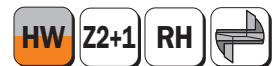
**TECHNICAL DETAILS:**  
- Premium quality HWM  
- 2 radial relief cutting edges [Z2+1]

## Router cutters



HW plunge centre tip

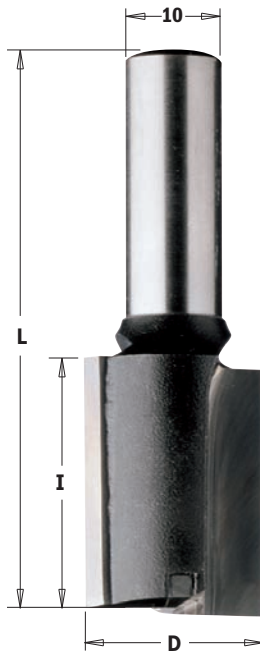
### 113



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
12	26	52	12	<b>113.120.11</b>
12	40	70	12	<b>113.121.11</b>
13	26	52	12	<b>113.130.11</b>
14	28	56	12	<b>113.140.11</b>
14	40	72	12	<b>113.141.11</b>
15	32	60	12	<b>113.150.11</b>
16	32	60	12	<b>113.160.11</b>
16	40	72	12	<b>113.161.11</b>
17	35	64	12	<b>113.170.11</b>
18	35	64	12	<b>113.180.11</b>
19	38	68	12	<b>113.190.11</b>
20	38	68	12	<b>113.200.11</b>
22	40	72	12	<b>113.220.11</b>
24	40	72	12	<b>113.240.11</b>
25	40	72	12	<b>113.250.11</b>
26	42	74	12	<b>113.260.11</b>
28	42	74	12	<b>113.280.11</b>
30	42	74	12	<b>113.300.11</b>

**TECHNICAL DETAILS:**  
- Super strength steel  
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1]

**APPLICATION:** used for grooving, jointing and routing on solid wood, wood composites, plastic materials and laminates.



HW plunge centre tip

**TECHNICAL DETAILS:**

- Premium quality HWM
- 2 radial relief cutting edges [Z2]
- 1 HW [Z1] plunge centre tip

**APPLICATION:** for grooving, jointing and routing on solid wood, wood composites, plastic materials and laminates.



## 175



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
• 4	10	65	10	<b>175.040.11</b>
• 5	12	65	10	<b>175.050.11</b>
• 6	14	65	10	<b>175.060.11</b>
• 7	17	65	10	<b>175.070.11</b>
8	20	65	10	<b>175.080.11</b>
10	25	70	10	<b>175.100.11</b>
12	25	70	10	<b>175.120.11</b>
14	25	70	10	<b>175.140.11</b>
15	25	70	10	<b>175.150.11</b>
16	25	70	10	<b>175.160.11</b>
18	25	70	10	<b>175.180.11</b>
20	25	70	10	<b>175.200.11</b>
22	25	70	10	<b>175.220.11</b>
24	25	70	10	<b>175.240.11</b>
25	25	70	10	<b>175.250.11</b>
26	25	70	10	<b>175.260.11</b>
30	25	70	10	<b>175.300.11</b>
35	25	70	10	<b>175.350.11</b>

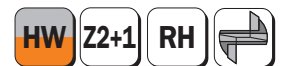
• HWM

## 176



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
10	40	87	10	<b>176.100.11</b>
12	40	87	10	<b>176.120.11</b>
14	40	87	10	<b>176.140.11</b>
15	40	87	10	<b>176.150.11</b>
16	40	87	10	<b>176.160.11</b>
18	40	87	10	<b>176.180.11</b>
20	40	87	10	<b>176.200.11</b>

## 177

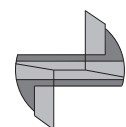


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
10	35	90	12	<b>177.100.11</b>
12	35	90	12	<b>177.120.11</b>
12	50	100	12	<b>177.121.11</b>
14	35	90	12	<b>177.140.11</b>
16	35	90	12	<b>177.160.11</b>
16	60	110	12	<b>177.161.11</b>
18	35	90	12	<b>177.180.11</b>
18	60	110	12	<b>177.181.11</b>
20	35	90	12	<b>177.200.11</b>
22	35	90	12	<b>177.220.11</b>
24	35	90	12	<b>177.240.11</b>
25	35	90	12	<b>177.250.11</b>
26	35	90	12	<b>177.260.11</b>
28	35	90	12	<b>177.280.11</b>
30	35	90	12	<b>177.300.11</b>
35	35	90	12	<b>177.350.11</b>

**TECHNICAL DETAILS:**

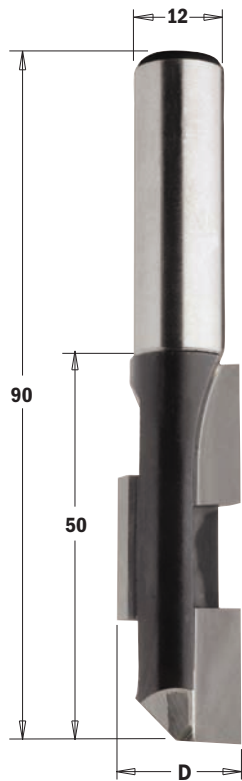
- Super strength steel
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1]

**APPLICATION:** used for grooving, jointing and general routing operation on solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers.



HW plunge centre tip

# Router cutters for drywall openings



**136**



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
14	50	90	12	<b>136.140.11</b>
16	50	90	12	<b>136.160.11</b>
18	50	90	12	<b>136.180.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 alternating precision ground HW [Z1+1]

**APPLICATION:** ideal for cutting openings for electrical boxes and similar operation on solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

# Spoilboard surfacing router cutters with insert knives



**663.001.11**



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
80	12	90	20	<b>663.001.11</b>

**Spare parts**

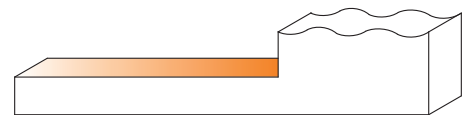
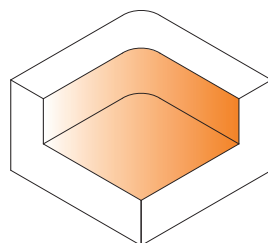
12x12x1,5mm knife	<b>790.120.00</b>
M4x6mm Torx T15 screw	<b>990.075.00</b>
T15 Torx key	<b>991.061.00</b>
14x14x2mm knife	<b>790.140.00</b>
M6x10mm TCEI screw	<b>990.083.00</b>
3mm allen key	<b>991.067.00</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 cutting edges [Z2]
- 2 scores knives [V2]

**APPLICATION:** new router bit for CNC router 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.

Cost effective solution compared to brazed router bits and solid carbide spiral bits.



Drawings are 1:2 scale



# Adjustable chamfering CNC cutter

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

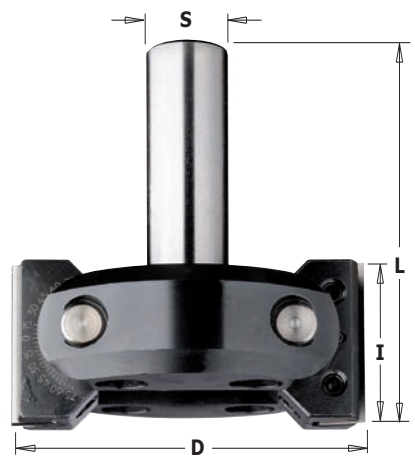
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 663.201.11

INSERT CARBIDE Z2 RH

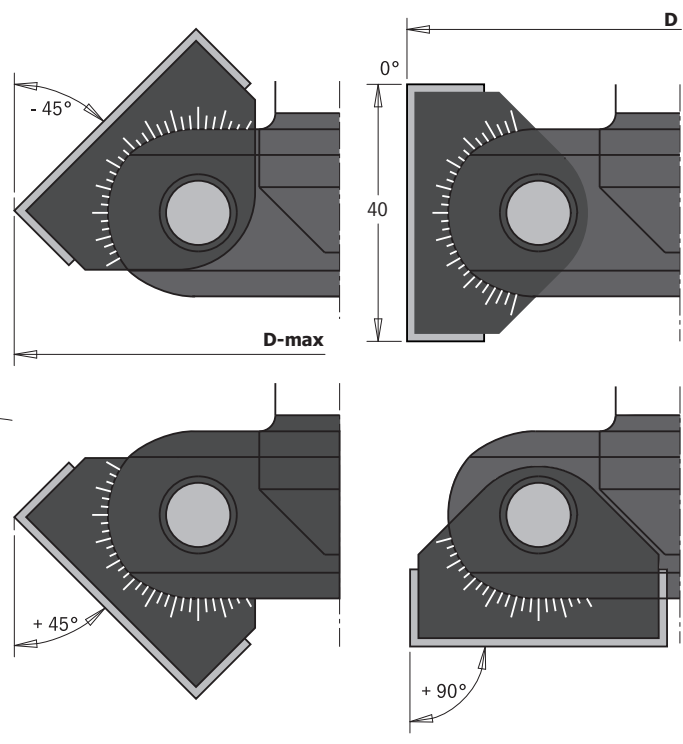
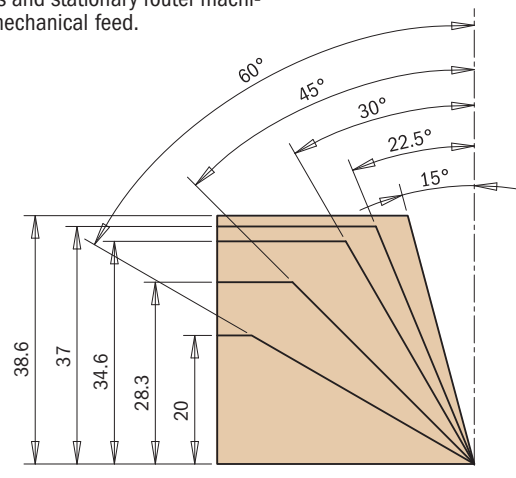
D	D_Max 45°	I	A	L	S	ORDER NO.
mm	mm	mm		mm	mm	Right-hand rotation
85	102	40	0°-45°	92	20	<b>663.201.11</b>

**Spare parts**

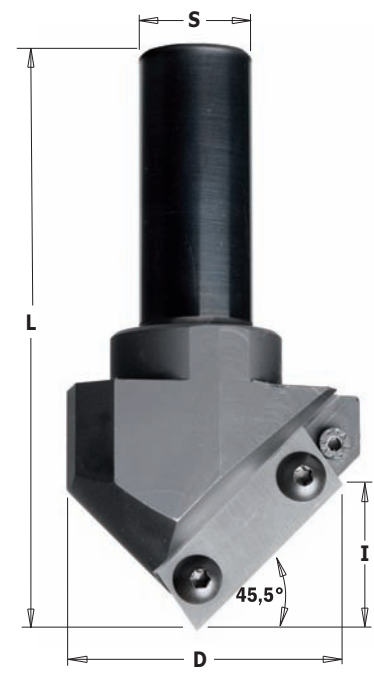
40x12x1,5mm knife	<b>790.400.00</b>
38x6x12mm wedge	<b>663.999.01</b>
M6x8mm STEI screw (4x2mm threaded pin)	<b>990.087.00</b>
3mm hex key	<b>991.067.00</b>
Kit with 2 wedges and 1 screw for blocking rotation	<b>663.999.02</b>
M8x25mm TCEI screw	<b>990.099.00</b>
M8 nut (4mm)	<b>990.023.00</b>
4mm "T" hex key	<b>991.081.00</b>

**TECHNICAL DETAILS:** tool body in steel, two TC reversible knives in swiveling blade carriers. Cutting on periphery and both sides. Swiveling range towards top 0-45°, toward bottom 0-90°, infinitely variable adjustment according to precise scale. With positive stops at 7,5° through adjustment aide. No displacement of adjusted beveling angle when replacing blades. Right rotation.

**APPLICATION:** for jointing, rebating and chamfering of solid wood and wooden boards. Suitable for CNC router machines and stationary router machine with manual or mechanical feed.



# V-groove - folding - signmaking CNC router cutters with insert knives



## 663.101.11

INSERT CARBIDE Z1 RH

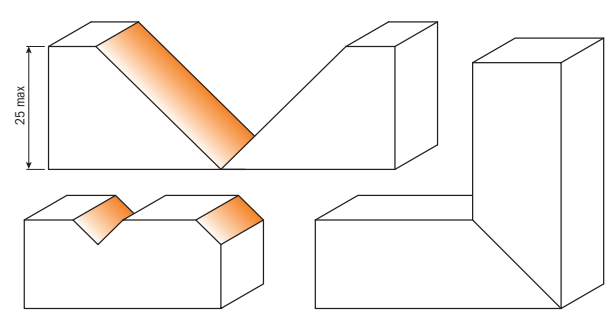
D	I	L	S	ORDER NO.
mm	mm	mm	mm	Right-hand rotation
52	25	100	20	<b>663.101.11</b>

**Spare parts**

36x12x1,5mm knife	<b>790.360.01</b>
M3,5x7mm Torx screw	<b>990.077.00</b>
T15 Torx key	<b>991.061.00</b>

**TECHNICAL DETAILS:**  
 - Super Strength steel  
 - 1 cutting edges [Z1]

**APPLICATION:** This innovative CNC router bit offers you an endless range of possibilities for V-Groove, miter folds, signmaking, lettering and chamfer edges. The tool mounts a high grade HWM reversible knife ideal for general purpose, chipboard and plywood, but a higher quality is available for laminated and MDF material.



# Complete set for decorating and engraving

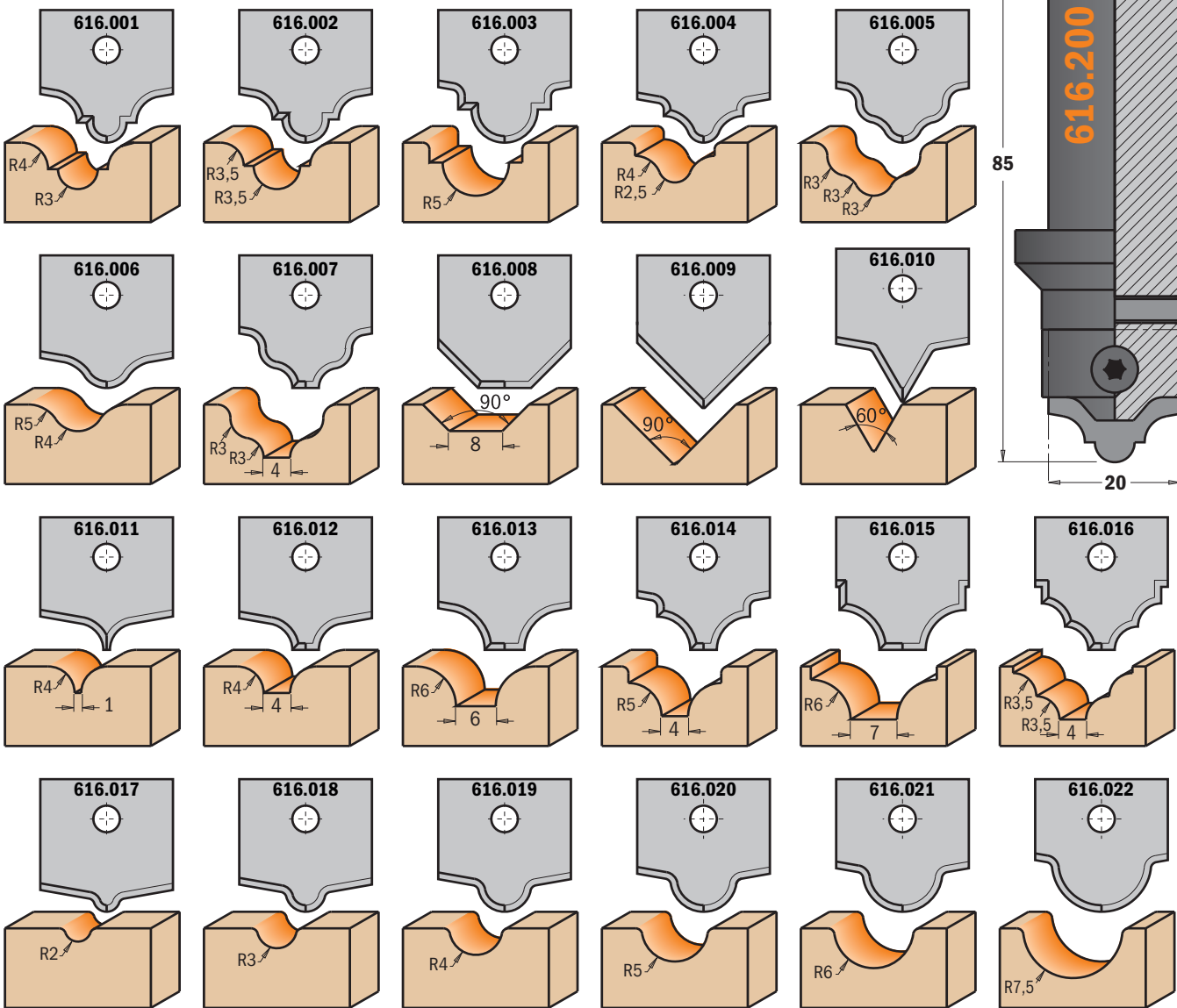
INSERT CARBIDE Z2 RH

## 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 to re-sharpen the knives on the profiled cutting edges.



Drawings are 1:1 scale

DESCRIPTION	S mm	ORDER NO. Right-hand rotation	Spare parts		
Complete set for decorating and engraving	20	<b>616.000.01</b>	616.200	990.077.00	991.061.00

**Remark:** tool body and insert knives can be sold individually.

# Complete set for MDF doors



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

200



## 615.004.01



Open some new doors with CMT. Our 4-piece set includes the most popular profile to make MDF panel doors for kitchens and bathrooms. Each bit is made from bar stock steel and is equipped with 5 different profile knives allowing enormous possibilities for easy and economical construction. The highest materials, the lowest tolerance in balancing and the precision in the sharpening of the knives let you obtain a smooth finish on your CNC machine.

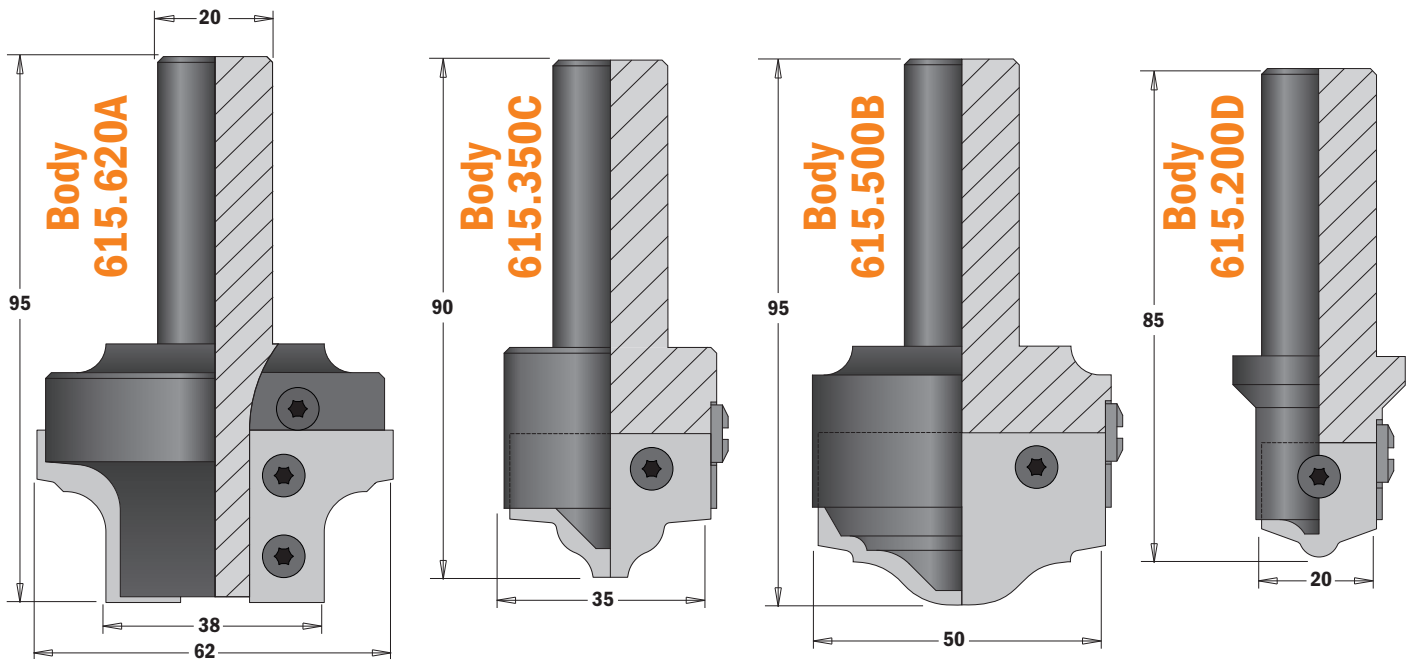
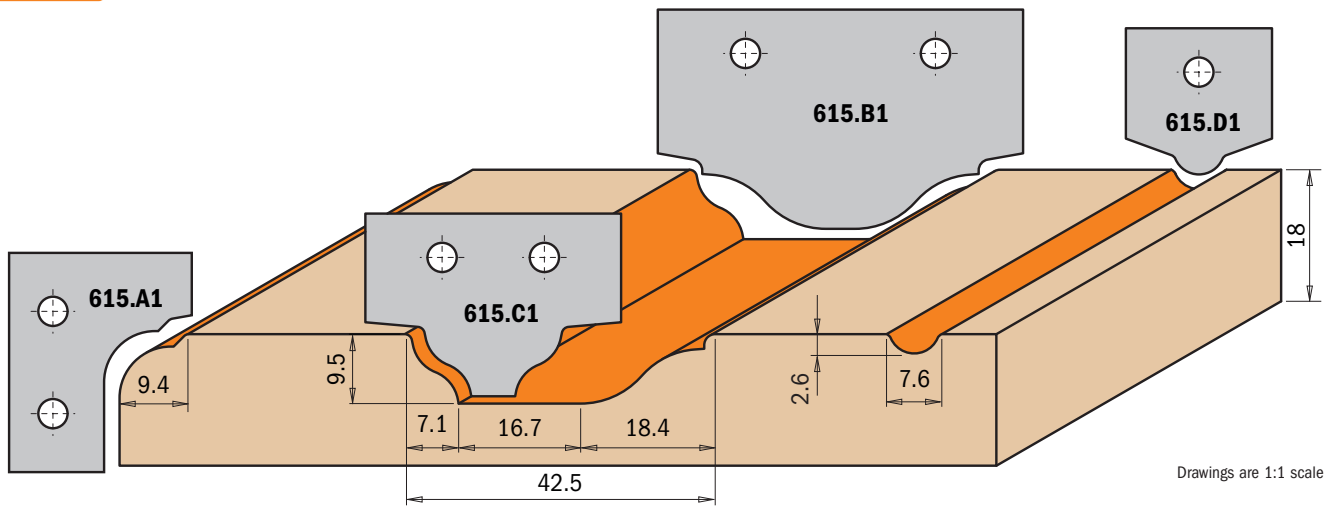


### Spare parts

T15 Torx key	991.061.00
M3,5x5mm Torx screw	990.073.00
M4x6mm Torx screw	990.075.00
M3,5x7mm Torx screw	990.077.00

Standard

Profile No. 1



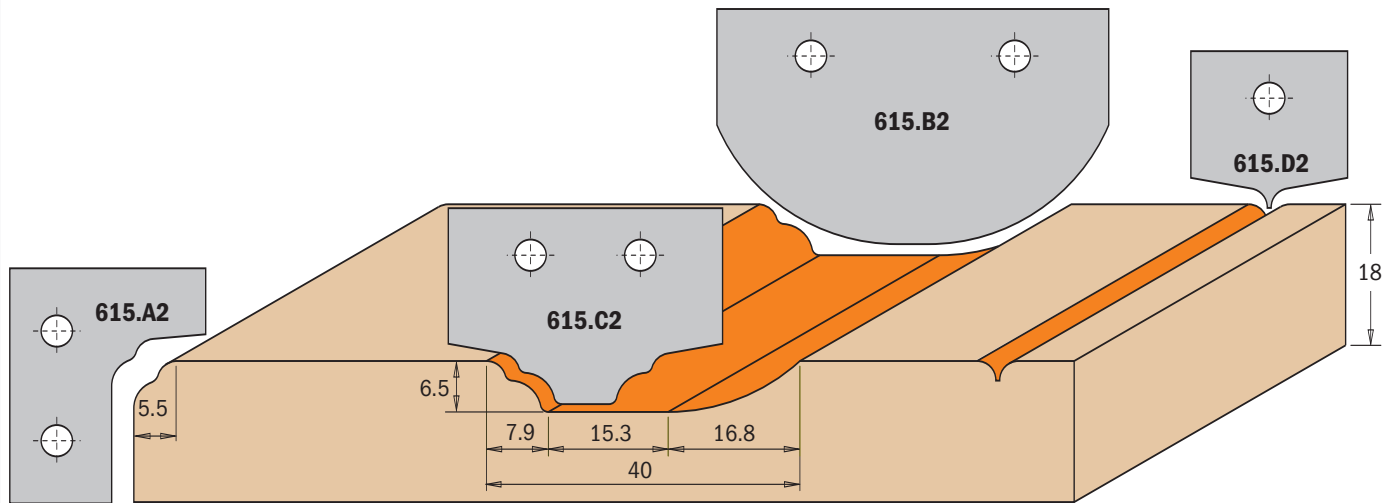
DESCRIPTION	S mm	ORDER NO.
Complete set for MDF doors (Profile no. 1)	20	Right-hand rotation 615.004.01

# Complete set for MDF doors

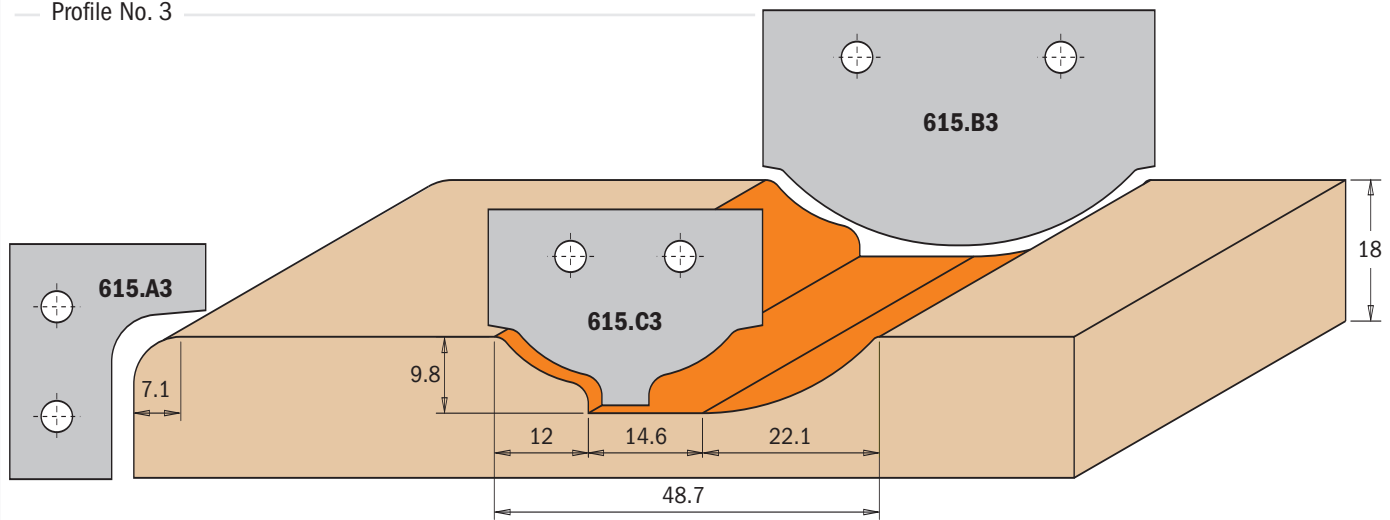
insert knives for optional profiles

Optional

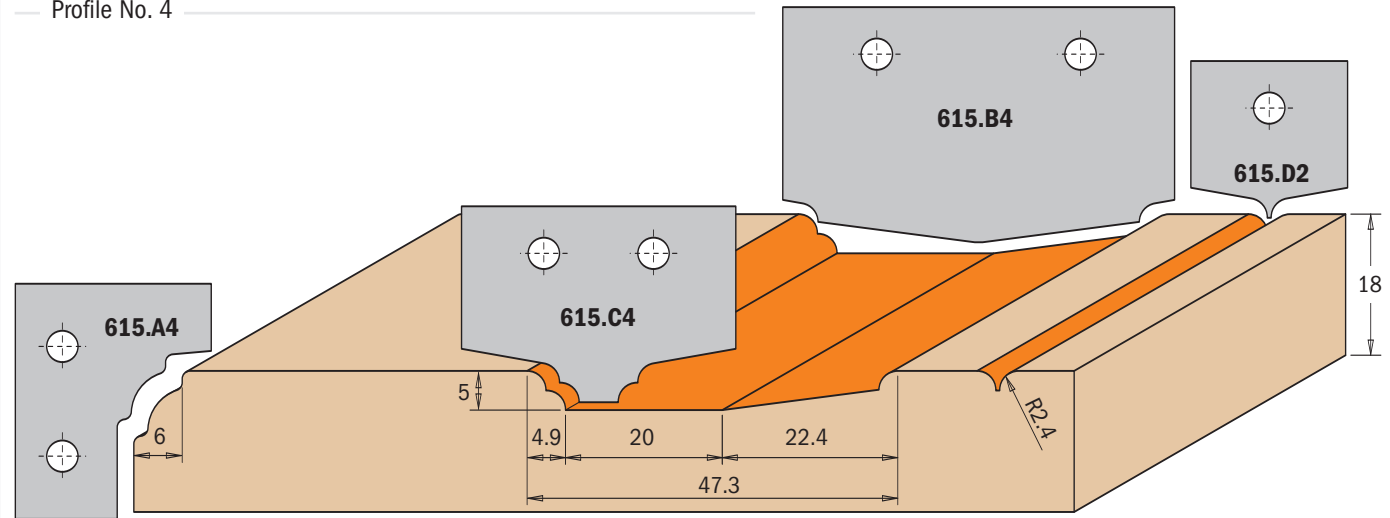
Profile No. 2



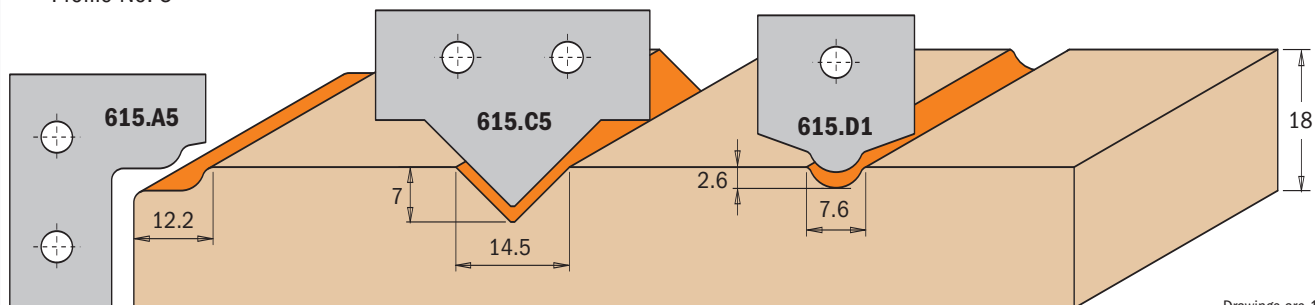
Profile No. 3



Profile No. 4



Profile No. 5



Drawings are 1:1 scale

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## Slot and mortise boring bits



### 163

HW Z2 RH

D mm	L mm	S mm	ORDER NO. Right-hand rotation
12	100	M12x1	<b>163.120.11</b>
14	100	M12x1	<b>163.140.11</b>
16	100	M12x1	<b>163.160.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 HW precision ground cutting edges [Z2]

**APPLICATION:** used for cutting mortises and slots in solid wood and wood composites. Assembled in chucks.

### 163

HL Z2 RH

D mm	L mm	S mm	ORDER NO. Right-hand rotation
12	100	M12x1	<b>163.120.31</b>
14	100	M12x1	<b>163.140.31</b>
16	100	M12x1	<b>163.160.31</b>
18	100	M12x1	<b>163.180.31</b>

**TECHNICAL DETAILS:**

- Long lasting cutter performance
- 2 HL precision ground cutting edges [Z2]

**APPLICATION:** used for cutting mortises and slots in solid wood and wood composites. Assembled in chucks.

## Slot and mortise boring bits



### 164

HW Z2 V2 RH

D mm	L mm	S mm	ORDER NO. Right-hand rotation
18	100	M12x1	<b>164.180.11</b>
20	100	M12x1	<b>164.200.11</b>
22	100	M12x1	<b>164.220.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- HW cutting head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]

**APPLICATION:** used for drilling blind holes in solid wood, wood composites, plastic and laminated materials. Used on slot and mortise machines equipped with chucks.

### 164

HL Z2 V2 RH

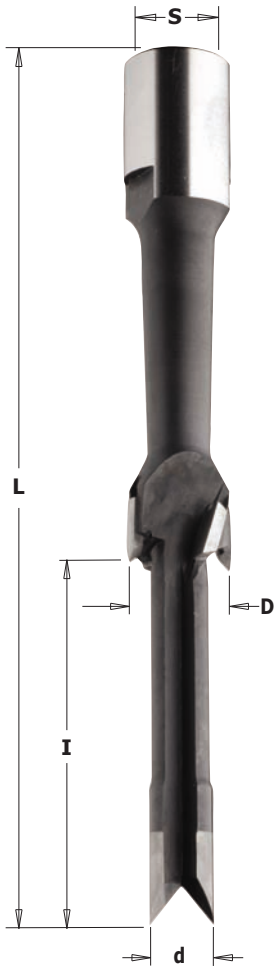
D mm	L mm	S mm	ORDER NO. Right-hand rotation
15	100	M12x1	<b>164.150.31</b>
18	100	M12x1	<b>164.180.31</b>
20	100	M12x1	<b>164.200.31</b>
24	100	M12x1	<b>164.240.31</b>

**TECHNICAL DETAILS:**

- Long lasting cutter performance
- HL cutting head with precision balanced centre point
- 2 precision ground edges [Z2]
- 2 ground spurs [V2]

**APPLICATION:** used for drilling blind holes in soft and hardwood. Used on slot and mortise machines equipped with chucks.

## Slot and mortise boring bits



### 166-167

HW Z2 V2 RH

d mm	D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
11	19	62	155	M12x1	<b>166.190.11</b>
11	22	62	155	M12x1	<b>166.220.11</b>
12	19	62	155	M12x1	<b>167.190.11</b>
12	24	62	155	M12x1	<b>167.240.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2+2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]

**APPLICATION:** used for drilling and cutting mortise slots in solid wood, wood composites, plastic and laminated materials.

## Lockset bits



### 169

HL Z3 RH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
15	22	90	M12x1	<b>169.150.31</b>
18	22	90	M12x1	<b>169.180.31</b>
20	22	90	M12x1	<b>169.200.31</b>

**TECHNICAL DETAILS:**

- Long-lasting cutting performance
- 3 HL precision ground cutting edges [Z3]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used on slot and mortise machines equipped with chucks.

# Slot mortising bits with chip-breaker

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

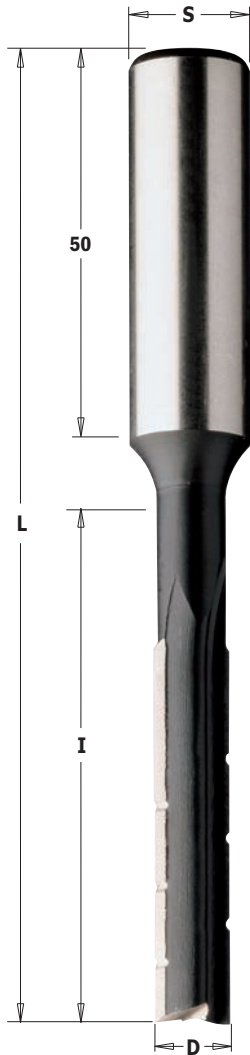
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 102

HL Z2 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	50	105	16	102.060.31	102.060.32
7	55	110	16	102.070.31	102.070.32
8	60	115	16	102.080.31	102.080.32
9	65	120	16	102.090.31	102.090.32
10	70	125	16	102.100.31	102.100.32
11	75	130	16	102.110.31	102.110.32
12	80	135	16	102.120.31	102.120.32
13	85	140	16	102.130.31	102.130.32
14	90	145	16	102.140.31	102.140.32
15	95	150	16	102.150.31	102.150.32
16	100	155	16	102.160.31	102.160.32
17	105	160	16	102.170.31	102.170.32
18	110	165	16	102.180.31	102.180.32
19	115	170	16	102.190.31	102.190.32
20	120	175	16	102.200.31	102.200.32
22	125	180	16	102.220.31	102.220.32
24	125	180	16	102.240.31	102.240.32

## 172

HL Z2 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	50	105	13	172.060.31	172.060.32
7	55	110	13	172.070.31	172.070.32
8	60	115	13	172.080.31	172.080.32
9	65	120	13	172.090.31	172.090.32
10	70	125	13	172.100.31	172.100.32
11	75	130	13	172.110.31	172.110.32
12	80	135	13	172.120.31	172.120.32
13	85	140	13	172.130.31	172.130.32
14	90	145	13	172.140.31	172.140.32
15	95	150	13	172.150.31	172.150.32
16	100	155	13	172.160.31	172.160.32
18	110	165	13	172.180.31	172.180.32
20	120	175	13	172.200.31	172.200.32

**TECHNICAL DETAILS:**

- Long-lasting cutting performance
- 2 HL precision ground straight cutting edges with chip-breaker teeth [Z2]

**APPLICATION:** for cutting mortise slots in soft and hardwood.  
Used on machining centres equipped with chucks.

# 6 piece mortising bit sets



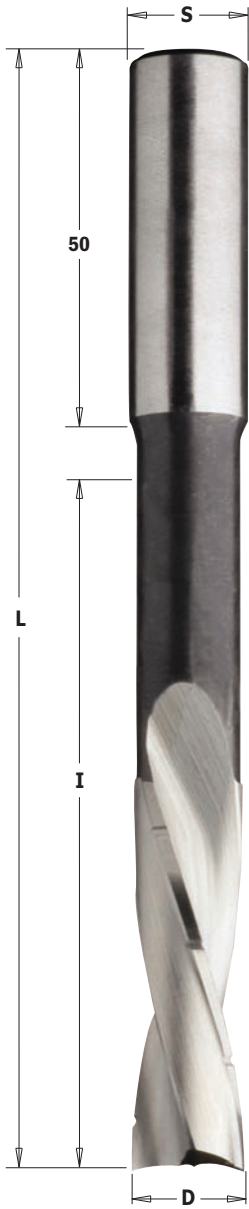
## 102-172

HL Z2 RH LH

Ideal for heavy mortise jobs.  
Made of super strength high speed steel and available in left-hand or right-hand rotation.  
Safely packaged in a hardwood and glass box for protection, these sets are economical and a perfect addition to any workshop.

DESCRIPTION	S mm	D mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6 pcs. mortising bit sets (straight)	16	6-8-10-12-14-16	102.001.00	102.001.10
6 pcs. mortising bit sets (straight)	13	6-8-10-12-14-16	172.001.00	172.001.10

# Twisted slot mortising bits with chip-breaker



## 161

SP Z2 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	60	120	16	<b>161.060.31</b>	<b>161.060.32</b>
8	70	130	16	<b>161.080.31</b>	<b>161.080.32</b>
10	80	140	16	<b>161.100.31</b>	<b>161.100.32</b>
12	90	150	16	<b>161.120.31</b>	<b>161.120.32</b>
14	100	160	16	<b>161.140.31</b>	<b>161.140.32</b>
16	110	170	16	<b>161.160.31</b>	<b>161.160.32</b>

## 160

SP Z2 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	60	120	13	<b>160.060.31</b>	<b>160.060.32</b>
8	70	130	13	<b>160.080.31</b>	<b>160.080.32</b>
10	80	140	13	<b>160.100.31</b>	<b>160.100.32</b>
12	90	150	13	<b>160.120.31</b>	<b>160.120.32</b>
14	100	160	13	<b>160.140.31</b>	<b>160.140.32</b>
16	110	170	13	<b>160.160.31</b>	<b>160.160.32</b>

**TECHNICAL DETAILS:**

- Long-lasting cutting performance
- 2 SP precision ground twisted cutting edges with chip-breaker teeth [Z2]

**APPLICATION:** for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

## 6 piece mortising bit sets



## 160-161

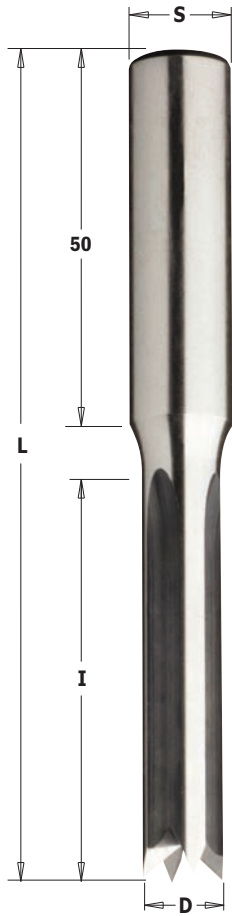
SP Z2 RH LH

Ideal for heavy mortise jobs. Made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a hardwood and glass box for protection, these sets are economical and a perfect addition to any workshop.

DESCRIPTION	S mm	D mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6 pcs. mortising bit set (twist)	16	6-8-10-12-14-16	<b>161.001.00</b>	<b>161.001.10</b>
6 pcs. mortising bit set (twist)	13	6-8-10-12-14-16	<b>160.001.00</b>	<b>160.001.10</b>



## Reciprocating slot mortising bits



### 104



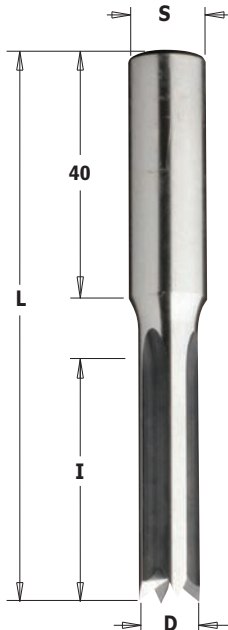
D	I	L	S	ORDER NO.
mm	mm	mm	mm	Right-hand & Left-hand rotation
6	45	100	13	104.060.30
7	45	100	13	104.070.30
8	45	100	13	104.080.30
9	45	100	13	104.090.30
10	55	110	13	104.100.30
11	55	110	13	104.110.30
12	55	110	13	104.120.30
13	55	110	13	104.130.30
14	55	110	13	104.140.30
15	55	110	13	104.150.30
16	55	110	13	104.160.30

**TECHNICAL DETAILS:**

- Long-lasting cutting performance
- 4 HL precision ground cutting edges [Z4]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

## Reciprocating slot mortising bits



### 105



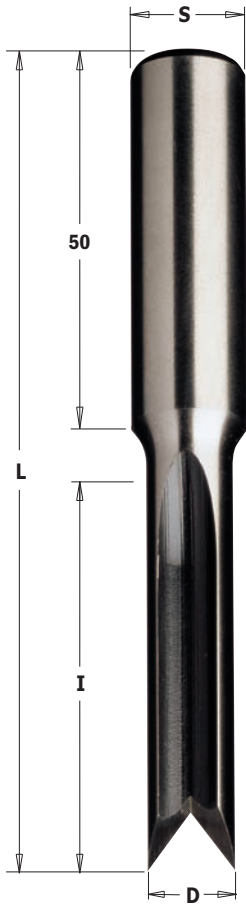
D	I	L	S	ORDER NO.
mm	mm	mm	mm	Right-hand & Left-hand rotation
6	28	73	10	105.060.30
7	28	73	10	105.070.30
8	28	73	10	105.080.30
9	28	73	10	105.090.30
10	28	73	10	105.100.30
11	28	73	10	105.110.30
12	28	73	10	105.120.30
13	28	73	10	105.130.30
14	28	73	10	105.140.30
15	28	73	10	105.150.30
16	28	73	10	105.160.30

**TECHNICAL DETAILS:**

- Long-lasting cutting performance
- 4 HL precision ground cutting edges [Z4]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

## Reciprocating slot mortising bits



**103**

HL Z2 RH LH

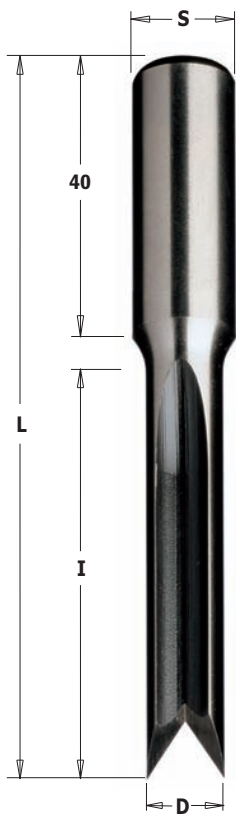
D mm	I mm	L mm	S mm	ORDER NO. Right-hand & Left-hand rotation
6	45	100	16	<b>103.060.30</b>
7	45	100	16	<b>103.070.30</b>
8	45	100	16	<b>103.080.30</b>
9	45	100	16	<b>103.090.30</b>
10	55	110	16	<b>103.100.30</b>
11	55	110	16	<b>103.110.30</b>
12	55	110	16	<b>103.120.30</b>
13	55	110	16	<b>103.130.30</b>
14	55	110	16	<b>103.140.30</b>
15	55	110	16	<b>103.150.30</b>
16	55	110	16	<b>103.160.30</b>

**TECHNICAL DETAILS:**

- Long-lasting cutter performance
- 2 HL precision ground cutting edges [Z2]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

## Reciprocating slot mortising bits



**179**

HS Z2 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand & Left-hand rotation
6	45	90	13	<b>179.060.50</b>
7	50	95	13	<b>179.070.50</b>
8	50	95	13	<b>179.080.50</b>
9	55	100	13	<b>179.090.50</b>
10	60	105	13	<b>179.100.50</b>
11	65	110	13	<b>179.110.50</b>
12	70	115	13	<b>179.120.50</b>
13	75	120	13	<b>179.130.50</b>

**TECHNICAL DETAILS:**

- Long-lasting cutter performance
- 2 HS precision ground cutting edges [Z2]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used on machining centres equipped with chucks.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Reciprocating slot mortising bits

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

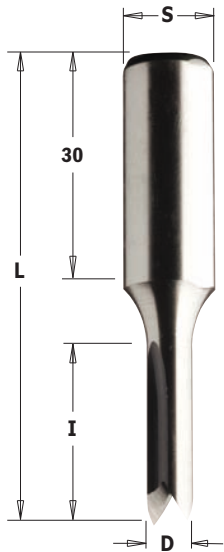
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 106

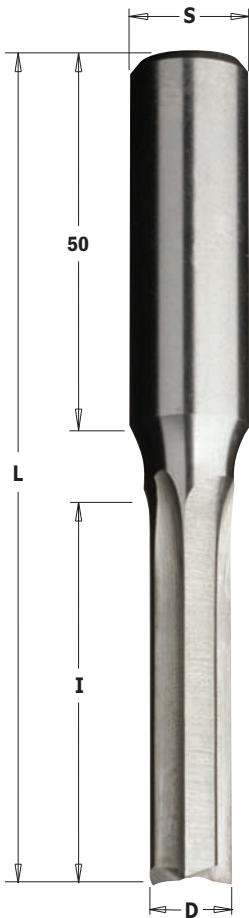
HL Z2 Z4 RH LH

D mm	I mm	L mm	S mm	Z	ORDER NO. Right-hand & Left-hand rotation
6	25	60	12	2	<b>106.060.30</b>
7	25	60	12	2	<b>106.070.30</b>
8	25	60	12	2	<b>106.080.30</b>
9	25	60	12	2	<b>106.090.30</b>
10	25	60	12	4	<b>106.100.30</b>
11	25	60	12	4	<b>106.110.30</b>
12	25	60	12	4	<b>106.120.30</b>
13	25	60	12	4	<b>106.130.30</b>
14	25	60	12	4	<b>106.140.30</b>
15	25	60	12	4	<b>106.150.30</b>

**TECHNICAL DETAILS:**

- Long-lasting cutter performance
- 2 or 4 HL precision ground cutting edges [Z2-Z4]

# Slot mortising bits



## 107

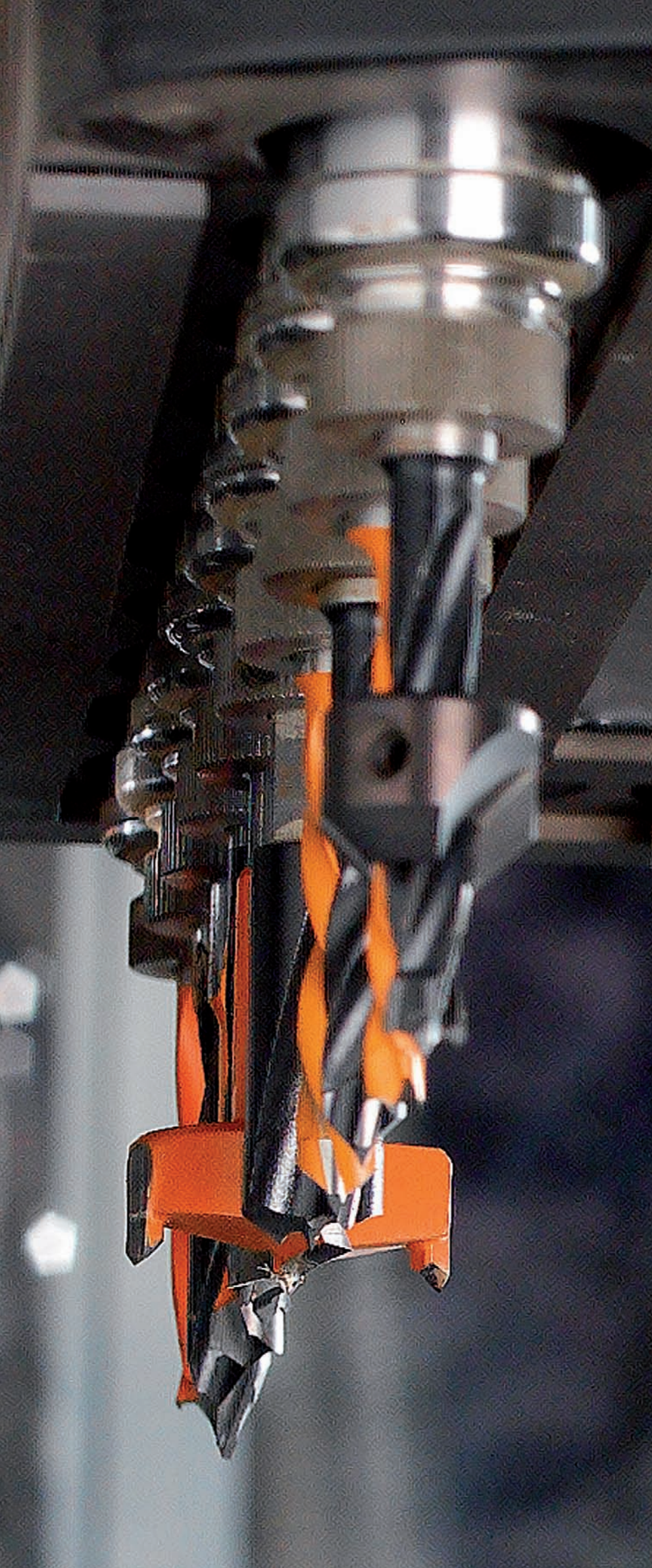
HL Z3 RH LH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
6	55	110	16	<b>107.060.31</b>	<b>107.060.32</b>
8	55	110	16	<b>107.080.31</b>	<b>107.080.32</b>
10	55	110	16	<b>107.100.31</b>	<b>107.100.32</b>
12	55	110	16	<b>107.120.31</b>	<b>107.120.32</b>
14	60	115	16	<b>107.140.31</b>	<b>107.140.32</b>
16	60	115	16	<b>107.160.31</b>	<b>107.160.32</b>
18	60	115	16	<b>107.180.31</b>	<b>107.180.32</b>
20	60	115	16	<b>107.200.31</b>	<b>107.200.32</b>

**TECHNICAL DETAILS:**

- Long-lasting cutter performance
- 3 HL precision ground cutting edges [Z3]

**APPLICATION:** used for cutting mortise slots in soft and hardwood. Used in machining centres equipped with chucks.



# Industrial dowel drills

<b>Products</b>	<b>Page</b>
Adaptors	210~212
XTreme boring bits	213~217
Solid carbide twist drills	218-219
2 flute dowel drills	220-221
4 flute dowel drills	222~224
Dowel drills with countersink	225
Through hole dowel drills	226-227
Countersinks	228
Hinge boring bits	229-230
Dowel drills with threaded shank	231~233

# Adaptors

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 301

RH LH

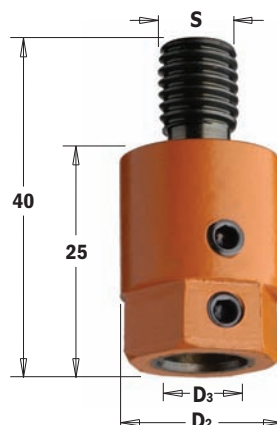
D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8	<b>301.080.01</b>	<b>301.080.02</b>
10	19,5	M8	<b>301.000.01</b>	<b>301.000.02</b>

**For use on the following machines:**  
Nottmeyer (older models)

Spare parts



990.006.00 991.062.00



## 302

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10	<b>302.080.01</b>	<b>302.080.02</b>
10	19,5	M10	<b>302.000.01</b>	<b>302.000.02</b>

**For use on the following machines:**  
Ayen, Holzma, Knoevenagel, Mayer, Torwegge

Spare parts



990.006.00 991.062.00



## 303

RH LH

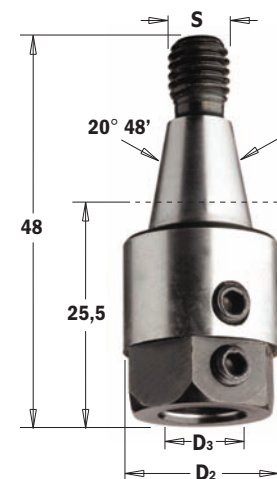
D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10/30°	<b>303.080.01</b>	<b>303.080.02</b>
10	19,5	M10/30°	<b>303.000.01</b>	<b>303.000.02</b>

**For use on the following machines:**  
Alberti (older models)  
Balestrini, Bilek, Busellato (older models)  
Schleicher, Vitap (older models)

Spare parts



990.006.00 991.062.00



## 304

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8/20° 48'	<b>304.080.01</b>	<b>304.080.02</b>
10	19,5	M8/20° 48'	<b>304.000.01</b>	<b>304.000.02</b>

**For use on the following machines:**  
Balestrini, Bilek

Spare parts



990.006.00 991.062.00

# Adaptors

Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

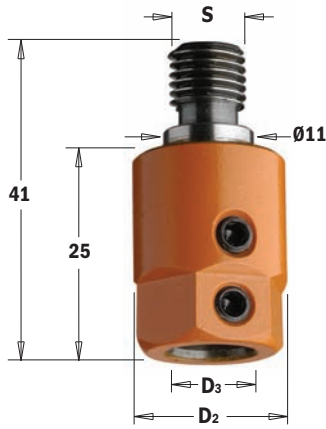
Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets

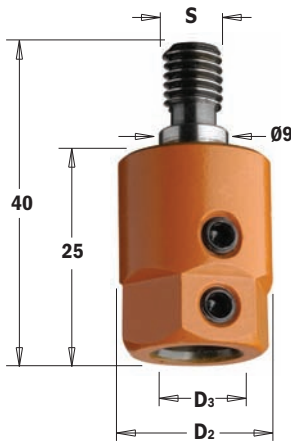
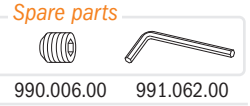


## 305

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M10/11	<b>305.080.01</b>	<b>305.080.02</b>
10	19,5	M10/11	<b>305.000.01</b>	<b>305.000.02</b>

**For use on the following machines:**  
 Biesse (older models)  
 Masterwood (Zangheri & Boschetti)  
 Morbidelli, Torwegge, Vitap (new design)  
 Weeke

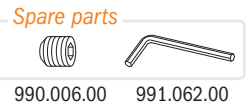


## 358

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8	16	M8/9	<b>358.080.01</b>	<b>358.080.02</b>
10	19,5	M8/9	<b>358.000.01</b>	<b>358.000.02</b>

**For use on the following machines:**  
 Masterwood (Zangheri & Boschetti)  
 Morbidelli, Nottmeyer (new design)

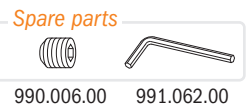


## 359

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	19,5	M10	<b>359.000.01</b>	<b>359.000.02</b>

**For use on the following machines:**  
 Scheer

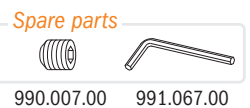


## 360.001

RH LH

D <sub>3</sub> mm	D <sub>2</sub> mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10	20	<b>360.001.01</b>	<b>360.001.02</b>

**For use on the following machines:**  
 For Biesse machines with quick drill change attachment



**Adaptors**

Saw blades



**360.101**

**RH  
LH**

D <sub>3</sub> mm	D <sub>2</sub> mm					ORDER NO. Right-hand & Left-hand rotation
10	18					<b>360.101.00</b>

**For use on the following machines:**  
Vitap

Spare parts



Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills



**360.201**

**RH  
LH**

D <sub>3</sub> mm	D <sub>2</sub> mm					ORDER NO. Right-hand & Left-hand rotation
10	19,25					<b>360.201.00</b>

**For use on the following machines:**  
Morbidelli

Spare parts



Bits for Hand Power Tools



**360.301**

**RH  
LH**

D <sub>3</sub> mm	D <sub>2</sub> mm					ORDER NO. Right-hand & Left-hand rotation
10	19,4					<b>360.301.00</b>

**For use on the following machines:**  
Masterwood

Spare parts



Spare Parts



**990.088**

**RH  
LH**

DESCRIPTION	ORDER NO. Right-hand & Left-hand rotation
<b>new</b> Retaining screw for Weeke machines	<b>990.088.00</b>

**TECHNICAL DETAILS:**

- High precision and total reliability
- Perfectly centred
- Defect-free rotation
- Super-strength steel
- Precision relief on all surfaces
- Quick drill change
- Adaptable to a variety of different spindle nose designs

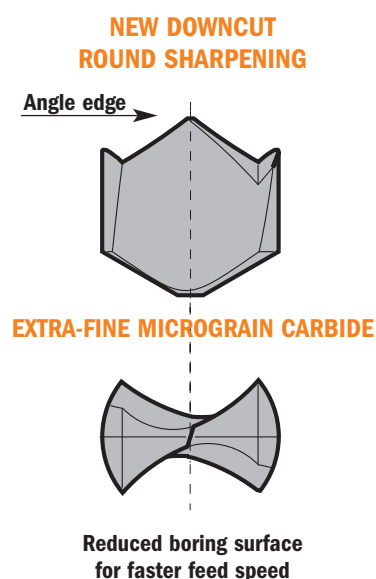


Power Tools & Accessories

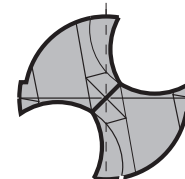
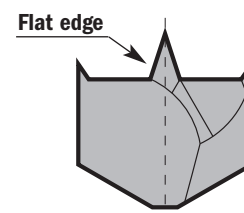
Display Cabinets

# X TREME BORING BITS

Setting a new standard for performance and value



## STANDARD SHARPENING



Standard boring surface

## The finest industrial quality micrograin carbide

CMT makes the finest quality cutting edges. Produced by Ceratizit in Luxembourg, CMT's carbide tips are selected among many carbide grades to ensure longer endurance and higher impact resistance.

## P.T.F.E. Coating

CMT's P.T.F.E. coating provides a non-stick surface preventing any residue accumulation on the bit body. Baked on at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.

## Highly-resistant steel body

Our bit bodies and shanks are machined from solid bar stock steel made by Von Moos Steel in Switzerland. The main mechanical properties are:

- superior strength
- high level uniformity
- minimal distortion
- exceptional resistance to fatigue and abrasion.



## Micrograin carbide sharpening

Sharpening on the carbide cutting edges provides a 0,4 $\mu$ /mm micrograin finish. This is processed on automated CNC machines equipped with as many as 6 axes for maximum accuracy

## Special metal shock resistant brazing

Micrograin carbide tips are applied with a special brazing compound. This allows a higher brazing temperature than other methods and guarantees a solid bond of every tip on every bit.

## Steel shank grinding

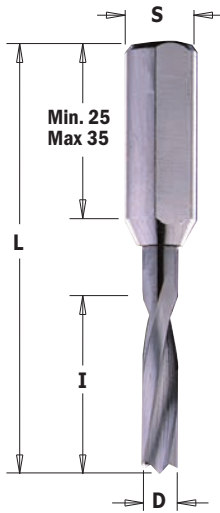
CMT grinds the steel shank to a micrograin finish of 0,8 $\mu$ /mm. The smooth finish on the shank determines how well the drills fit into your machine. Rough grinding results in a poor chuck grip and in a poor wobbly rotation.



## Solid carbide dowel drills



### 310.21/22



D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
<b>new</b> 2	12	57,5	10x35	<b>310.020.21</b>	<b>310.020.22</b>
3	9	57,5	10x35	<b>310.530.21</b>	<b>310.530.22</b>
3	18	57,5	10x25	<b>310.030.21</b>	<b>310.030.22</b>
4	20	57,5	10x25	<b>310.040.21</b>	<b>310.040.22</b>
5	22	57,5	10x25	<b>310.050.21</b>	<b>310.050.22</b>
6	22	57,5	10x25	<b>310.060.21</b>	<b>310.060.22</b>
6,35 (1/4")	22	57,5	10x25	<b>310.064.21</b>	<b>310.064.22</b>
8	22	57,5	10x25	<b>310.080.21</b>	<b>310.080.22</b>

#### TECHNICAL DETAILS:

- Premium quality super-strength steel
- HWM spiral portion with centre point
- 2 cutting edges [Z2]
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length.

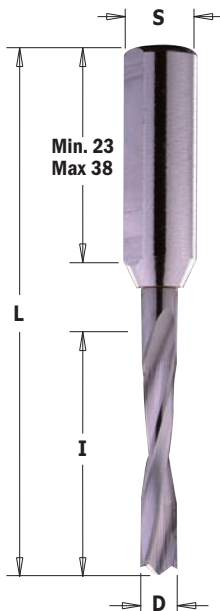


**APPLICATION:** used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

## Solid carbide dowel drills



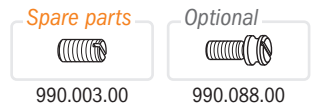
### 311.21/22



D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
<b>new</b> 2	12	70	10x38	<b>311.020.21</b>	<b>311.020.22</b>
3	18	70	10x38	<b>311.030.21</b>	<b>311.030.22</b>
4	27	70	10x30	<b>311.040.21</b>	<b>311.040.22</b>
5	30	70	10x28	<b>311.050.21</b>	<b>311.050.22</b>
6	30	70	10x29	<b>311.060.21</b>	<b>311.060.22</b>
6,35 (1/4")	30	70	10x28	<b>311.064.21</b>	<b>311.064.22</b>
8	35	70	10x23	<b>311.080.21</b>	<b>311.080.22</b>

#### TECHNICAL DETAILS:

- Premium quality super-strength steel
- HWM spiral portion with centre point
- 2 cutting edges [Z2]
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length.



**APPLICATION:** used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

### Perfect for all materials and long-lasting performance!

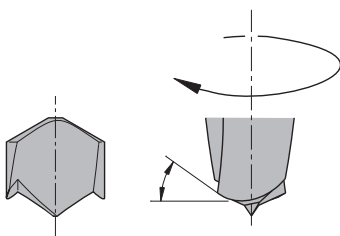
CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line. These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxemburg.

The entire series offers several design features:

- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough edges. Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

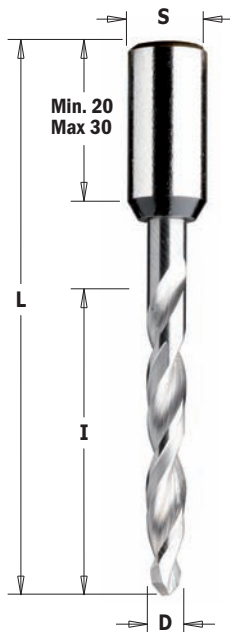
It lasts longer between sharpenings;

- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.



Xtreme sharpening

# Solid carbide dowel drills for through holes



## 314.21/22

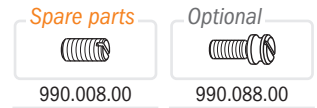


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	27	70	10x30	<b>314.030.21</b>	<b>314.030.22</b>
4	40	70	10x20	<b>314.040.21</b>	<b>314.040.22</b>
5	40	70	10x20	<b>314.050.21</b>	<b>314.050.22</b>
6	40	70	10x20	<b>314.060.21</b>	<b>314.060.22</b>
8	40	70	10x20	<b>314.080.21</b>	<b>314.080.22</b>

For panels with maximum 20-30mm in thickness

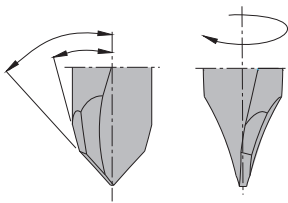
### TECHNICAL DETAILS:

- Premium quality super-strength steel
- HWM spiral portion with centre point
- 2 precision ground cutting edges [Z2]
- Double angle
- 2 spiral flutes
- Parallel shank with driving flat and adjustable screw length.



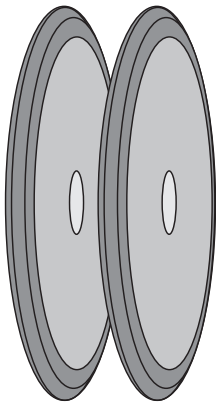
### APPLICATION:

used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



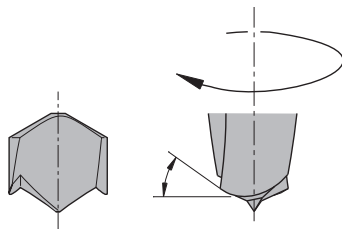
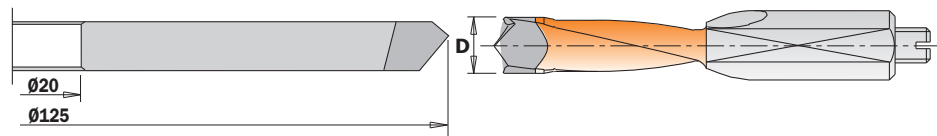
XTreme sharpening

## 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	<b>01.02.0316</b>
Ø8 to 10	Grinding wheel for resharpening	Ø125x7	Ø20	<b>01.02.0317</b>



XTreme sharpening

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

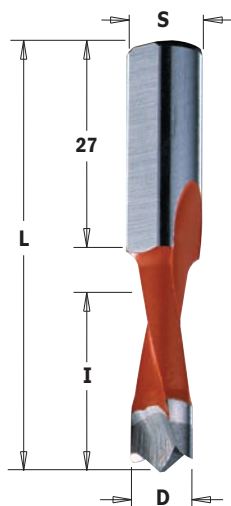
Power Tools & Accessories

Display Cabinets

## Dowel drills



### 310.41/42



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57,5	10x27	<b>310.050.41</b>	<b>310.050.42</b>
6	27	57,5	10x27	<b>310.060.41</b>	<b>310.060.42</b>
7	27	57,5	10x27	<b>310.070.41</b>	<b>310.070.42</b>
8	27	57,5	10x27	<b>310.080.41</b>	<b>310.080.42</b>
9	27	57,5	10x27	<b>310.090.41</b>	<b>310.090.42</b>
10	27	57,5	10x27	<b>310.100.41</b>	<b>310.100.42</b>

#### TECHNICAL DETAILS:

- Premium quality super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- 2 cutting edges [Z2]
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length.

#### Spare parts



#### Optional

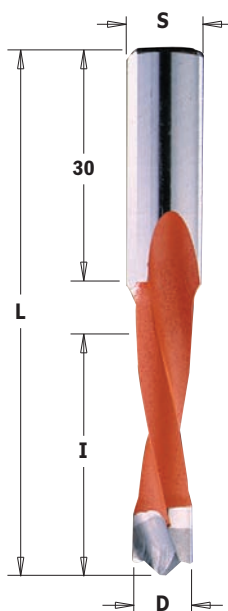


**APPLICATION:** used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills



### 311.41/42



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x30	<b>311.050.41</b>	<b>311.050.42</b>
6	35	70	10x30	<b>311.060.41</b>	<b>311.060.42</b>
7	35	70	10x30	<b>311.070.41</b>	<b>311.070.42</b>
8	35	70	10x30	<b>311.080.41</b>	<b>311.080.42</b>
9	35	70	10x30	<b>311.090.41</b>	<b>311.090.42</b>
10	35	70	10x30	<b>311.100.41</b>	<b>311.100.42</b>

#### TECHNICAL DETAILS:

- Premium quality super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- 2 cutting edges [Z2]
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length.

#### Spare parts



#### Optional



**APPLICATION:** used on boring machines separately or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

### Perfect for all materials and long-lasting performance!

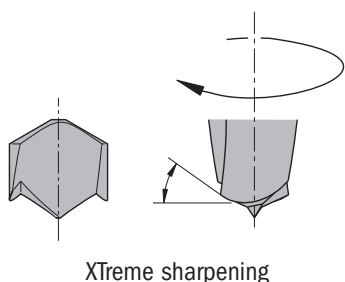
CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line. These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxemburg.

The entire series offers several design features:

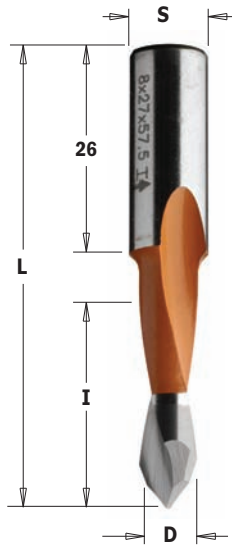
- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough edges. Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

It lasts longer between sharpenings;

- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.



## Dowel drills for through holes



### 313.41/42



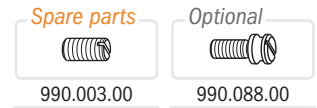
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	27	57,5	10x26	<b>313.050.41</b>	<b>313.050.42</b>
8	27	57,5	10x26	<b>313.080.41</b>	<b>313.080.42</b>

For panels with maximum 20mm in thickness

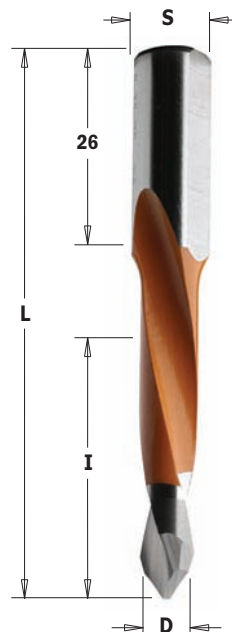
#### TECHNICAL DETAILS:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- Double angle
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



## Dowel drills for through holes



### 314.41/42



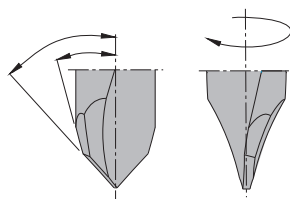
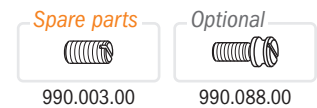
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	35	70	10x26	<b>314.050.41</b>	<b>314.050.42</b>
6	35	70	10x26	<b>314.060.41</b>	<b>314.060.42</b>
7	35	70	10x26	<b>314.070.41</b>	<b>314.070.42</b>
8	35	70	10x26	<b>314.080.41</b>	<b>314.080.42</b>
10	35	70	10x26	<b>314.100.41</b>	<b>314.100.42</b>

For panels with maximum 30mm in thickness

#### TECHNICAL DETAILS:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- Double angle
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



Xtreme sharpening

### Perfect for all materials and long-lasting performance!

CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line. These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxemburg.

The entire series offers several design features:

- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough edges. Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

It lasts longer between sharpenings;

- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.

## Adaptors for twist drills



### 364

D <sub>3</sub> mm	L mm	S mm	ORDER NO.
2	38	10x20	<b>364.020.00</b>
2,5	38	10x20	<b>364.025.00</b>
3	38	10x20	<b>364.030.00</b>
3,2	38	10x20	<b>364.032.00</b>
3,5	38	10x20	<b>364.035.00</b>
4	38	10x20	<b>364.040.00</b>
4,5	38	10x20	<b>364.045.00</b>
5	38	10x20	<b>364.050.00</b>

For use with the following items: 363 HW

**TECHNICAL DETAILS:**

- Super-strength steel
- Quick and secure assembly on twist drills
- Precision relief
- Parallel shank with driving flat and length adjusting screw

**APPLICATION:** for use with twist drills with common shank and bushing diameter. Used on boring machines equipped with adaptor chucks.

Spare parts



Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

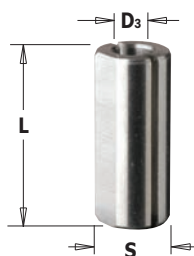
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

## Bushings for twist drills



### 365

D <sub>3</sub> mm	L mm	S mm	ORDER NO.
2	23	10	<b>365.020.00</b>
2,5	23	10	<b>365.025.00</b>
3	23	10	<b>365.030.00</b>
3,2	23	10	<b>365.032.00</b>
3,5	23	10	<b>365.035.00</b>
4	23	10	<b>365.040.00</b>
4,5	23	10	<b>365.045.00</b>
5	23	10	<b>365.050.00</b>

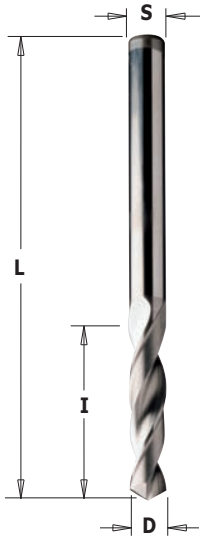
For use with the following items: 363 HW

**TECHNICAL DETAILS:**

- Super-strength steel
- Shank with driving flat
- Axial cuttings for cylindrical drill clamps

**APPLICATION:** used with spiral boring bits with shank diametres equal to the bushing diameter. Used on boring machines equipped with adaptors.

**Solid carbide twist drills "V" point 120° sharpening**

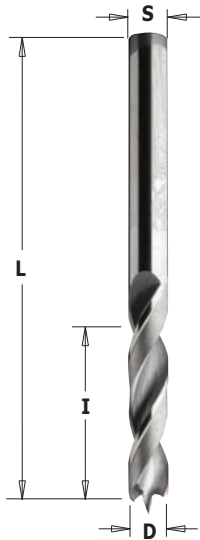


**363**

HWM Z2 RH LH

S=D mm	I mm	L mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	25	50	<b>363.020.11</b>	<b>363.020.12</b>
2,5	27	55	<b>363.025.11</b>	<b>363.025.12</b>
3	27	55	<b>363.030.11</b>	<b>363.030.12</b>
3,2	27	55	<b>363.032.11</b>	<b>363.032.12</b>
3,5	27	55	<b>363.035.11</b>	<b>363.035.12</b>
4	27	55	<b>363.040.11</b>	<b>363.040.12</b>
4,5	28	60	<b>363.045.11</b>	<b>363.045.12</b>
5	28	60	<b>363.050.11</b>	<b>363.050.12</b>

**Solid carbide twist drills negatively ground spurs sharpening**



**363**

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	<b>363.025.21</b>	<b>363.025.22</b>
3	27	55	<b>363.030.21</b>	<b>363.030.22</b>
4	27	55	<b>363.040.21</b>	<b>363.040.22</b>
5	28	60	<b>363.050.21</b>	<b>363.050.22</b>

**For use with the following items: 364-365**

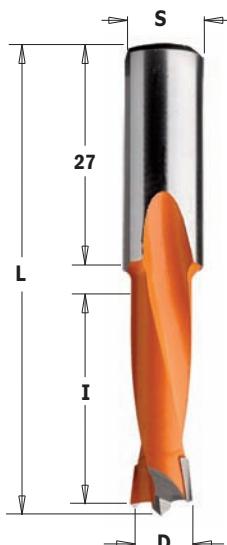
- TECHNICAL DETAILS:**
- Premium quality HWM
  - 2 precision ground cutting edges [Z2]
  - 2 spiral flutes
  - Common shank and drilling diameter (S=D)

**APPLICATION:** used in adaptor bushings.

**Assembly Illustration**



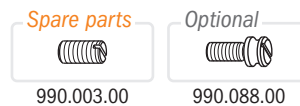
## 2 flute dowel drills



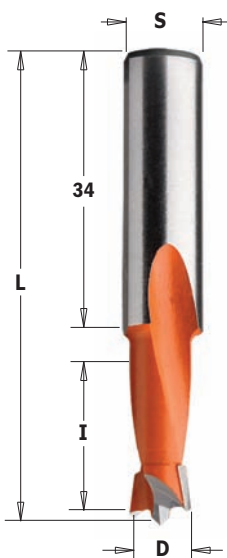
### 310



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	27	57,5	10x27	310.040.11	310.040.12
4,5	27	57,5	10x27	310.045.11	310.045.12
4,76	27	57,5	10x27	310.047.11	310.047.12
5	27	57,5	10x27	310.050.11	310.050.12
5,1	27	57,5	10x27	310.051.11	310.051.12
5,2	27	57,5	10x27	310.052.11	310.052.12
5,55	27	57,5	10x27	310.055.11	310.055.12
6	27	57,5	10x27	310.060.11	310.060.12
6,35	27	57,5	10x27	310.064.11	310.064.12
6,5	27	57,5	10x27	310.065.11	310.065.12
7	27	57,5	10x27	310.070.11	310.070.12
8	27	57,5	10x27	310.080.11	310.080.12
8,2	27	57,5	10x27	310.082.11	310.082.12
9	27	57,5	10x27	310.090.11	310.090.12
9,52	27	57,5	10x27	310.095.11	310.095.12
10	27	57,5	10x27	310.100.11	310.100.12
11	27	57,5	10x27	310.110.11	310.110.12
12	27	57,5	10x27	310.120.11	310.120.12
12,7	27	57,5	10x27	310.127.11	310.127.12
13	27	57,5	10x27	310.130.11	310.130.12
14	27	57,5	10x27	310.140.11	310.140.12
15	27	57,5	10x27	310.150.11	310.150.12
16	27	57,5	10x27	310.160.11	310.160.12



## 2 flute dowel drills



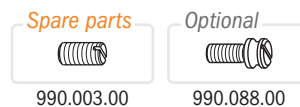
### 361



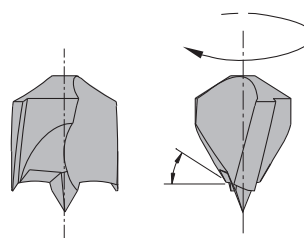
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	18	57,5	10x34	361.050.11	361.050.12
6	18	57,5	10x34	361.060.11	361.060.12
7	18	57,5	10x34	361.070.11	361.070.12
8	18	57,5	10x34	361.080.11	361.080.12
10	18	57,5	10x34	361.100.11	361.100.12

**TECHNICAL DETAILS:**

- Super-strength steel
- Spiral portion coated with orange or black PT.FE.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

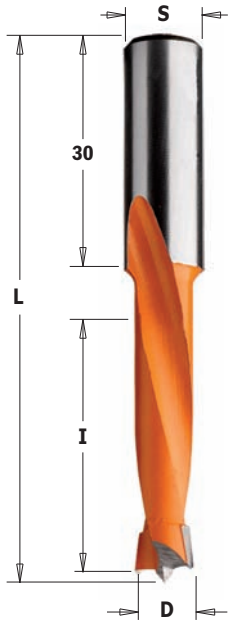


**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



Negatively ground spurs

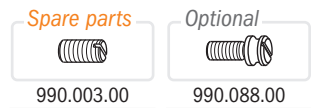
## 2 flute dowel drills



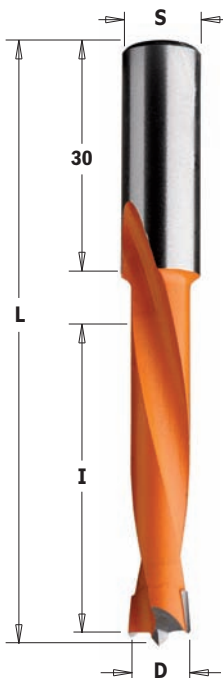
### 311



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	35	70	10x30	311.040.11	311.040.12
4,5	35	70	10x30	311.045.11	311.045.12
4,76	35	70	10x30	311.047.11	311.047.12
5	35	70	10x30	311.050.11	311.050.12
5,1	35	70	10x30	311.051.11	311.051.12
5,2	35	70	10x30	311.052.11	311.052.12
5,55	35	70	10x30	311.055.11	311.055.12
6	35	70	10x30	311.060.11	311.060.12
6,35	35	70	10x30	311.064.11	311.064.12
6,5	35	70	10x30	311.065.11	311.065.12
7	35	70	10x30	311.070.11	311.070.12
8	35	70	10x30	311.080.11	311.080.12
8,2	35	70	10x30	311.082.11	311.082.12
9	35	70	10x30	311.090.11	311.090.12
9,52	35	70	10x30	311.095.11	311.095.12
10	35	70	10x30	311.100.11	311.100.12
11	35	70	10x30	311.110.11	311.110.12
11,1	35	70	10x30	311.111.11	311.111.12
12	35	70	10x30	311.120.11	311.120.12
12,7	35	70	10x30	311.127.11	311.127.12
13	35	70	10x30	311.130.11	311.130.12
14	35	70	10x30	311.140.11	311.140.12
15	35	70	10x30	311.150.11	311.150.12
16	35	70	10x30	311.160.11	311.160.12



## 2 flute dowel drills



### 362

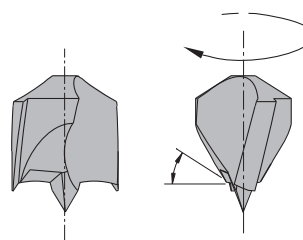
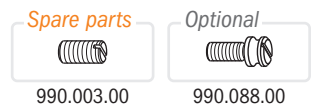


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	44	77	10x30	362.050.11	362.050.12
6	44	77	10x30	362.060.11	362.060.12
7	44	77	10x30	362.070.11	362.070.12
8	44	77	10x30	362.080.11	362.080.12
10	44	77	10x30	362.100.11	362.100.12
12	44	77	10x30	362.120.11	362.120.12

#### TECHNICAL DETAILS:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

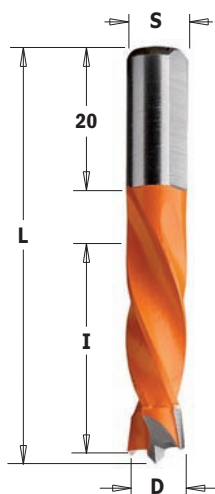
**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



Negatively ground spurs



## 4 flute dowel drills



### 306

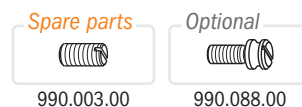


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
• 3	18	55,5	8x20	<b>306.030.21</b>	
5	30	55,5	8x20	<b>306.050.11</b>	<b>306.050.12</b>
5,55	30	55,5	8x20	<b>306.055.11</b>	<b>306.055.12</b>
6	30	55,5	8x20	<b>306.060.11</b>	<b>306.060.12</b>
6,35	30	55,5	8x20	<b>306.064.11</b>	<b>306.064.12</b>
7	30	55,5	8x20	<b>306.070.11</b>	<b>306.070.12</b>
8	30	55,5	8x20	<b>306.080.11</b>	<b>306.080.12</b>
9	30	55,5	8x20	<b>306.090.11</b>	<b>306.090.12</b>
10	30	55,5	8x20	<b>306.100.11</b>	<b>306.100.12</b>
12	30	55,5	8x20	<b>306.120.11</b>	<b>306.120.12</b>

• HWM

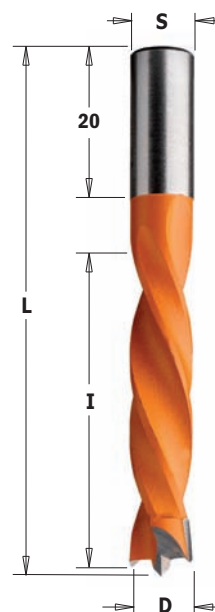
**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.



**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## 4 flute dowel drills



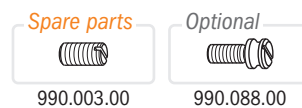
### 307



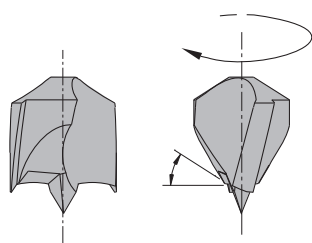
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	40	67	8x20	<b>307.050.11</b>	<b>307.050.12</b>
5,55	40	67	8x20	<b>307.055.11</b>	<b>307.055.12</b>
6	40	67	8x20	<b>307.060.11</b>	<b>307.060.12</b>
6,35	40	67	8x20	<b>307.064.11</b>	<b>307.064.12</b>
7	40	67	8x20	<b>307.070.11</b>	<b>307.070.12</b>
8	40	67	8x20	<b>307.080.11</b>	<b>307.080.12</b>
9	40	67	8x20	<b>307.090.11</b>	<b>307.090.12</b>
9,52	40	67	8x20	<b>307.095.11</b>	<b>307.095.12</b>
10	40	67	8x20	<b>307.100.11</b>	<b>307.100.12</b>
12	40	67	8x20	<b>307.120.11</b>	<b>307.120.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

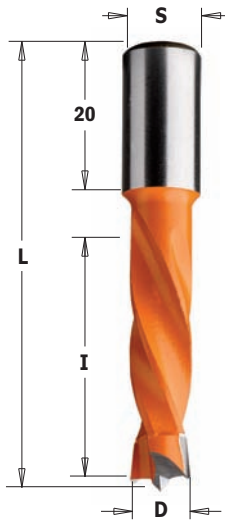


**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



Negatively ground spurs

## 4 flute dowel drills



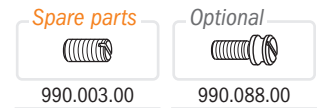
**308**



D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
4	26	57,5	10x20	<b>308.040.11</b>	<b>308.040.12</b>
5	30	57,5	10x20	<b>308.050.11</b>	<b>308.050.12</b>
6	30	57,5	10x20	<b>308.060.11</b>	<b>308.060.12</b>
6,35	30	57,5	10x20	<b>308.064.11</b>	<b>308.064.12</b>
7	30	57,5	10x20	<b>308.070.11</b>	<b>308.070.12</b>
8	30	57,5	10x20	<b>308.080.11</b>	<b>308.080.12</b>
9	30	57,5	10x20	<b>308.090.11</b>	<b>308.090.12</b>
9,52	30	57,5	10x20	<b>308.095.11</b>	<b>308.095.12</b>
10	30	57,5	10x20	<b>308.100.11</b>	<b>308.100.12</b>
11	30	57,5	10x20	<b>308.110.11</b>	<b>308.110.12</b>
12	30	57,5	10x20	<b>308.120.11</b>	<b>308.120.12</b>
12,7	30	57,5	10x20	<b>308.127.11</b>	<b>308.127.12</b>
13	30	57,5	10x20	<b>308.130.11</b>	<b>308.130.12</b>
14	30	57,5	10x20	<b>308.140.11</b>	<b>308.140.12</b>
15	30	57,5	10x20	<b>308.150.11</b>	<b>308.150.12</b>
16	30	57,5	10x20	<b>308.160.11</b>	<b>308.160.12</b>

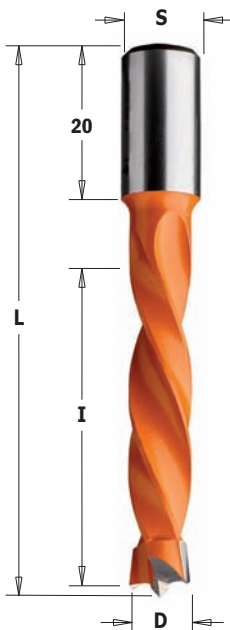
**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.



**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## 4 flute dowel drills



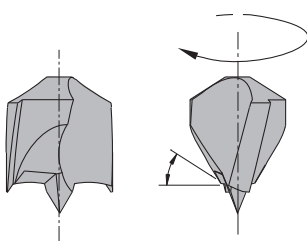
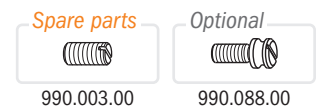
**309**



D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
4	30	70	10x20	<b>309.040.11</b>	<b>309.040.12</b>
5	43	70	10x20	<b>309.050.11</b>	<b>309.050.12</b>
6	43	70	10x20	<b>309.060.11</b>	<b>309.060.12</b>
6,35	43	70	10x20	<b>309.064.11</b>	<b>309.064.12</b>
7	43	70	10x20	<b>309.070.11</b>	<b>309.070.12</b>
7,5	43	70	10x20	<b>309.075.11</b>	<b>309.075.12</b>
8	43	70	10x20	<b>309.080.11</b>	<b>309.080.12</b>
9	43	70	10x20	<b>309.090.11</b>	<b>309.090.12</b>
9,52	43	70	10x20	<b>309.095.11</b>	<b>309.095.12</b>
10	43	70	10x20	<b>309.100.11</b>	<b>309.100.12</b>
11	43	70	10x20	<b>309.110.11</b>	<b>309.110.12</b>
12	43	70	10x20	<b>309.120.11</b>	<b>309.120.12</b>
12,7	43	70	10x20	<b>309.127.11</b>	<b>309.127.12</b>
13	43	70	10x20	<b>309.130.11</b>	<b>309.130.12</b>
14	43	70	10x20	<b>309.140.11</b>	<b>309.140.12</b>
15	43	70	10x20	<b>309.150.11</b>	<b>309.150.12</b>
16	43	70	10x20	<b>309.160.11</b>	<b>309.160.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.



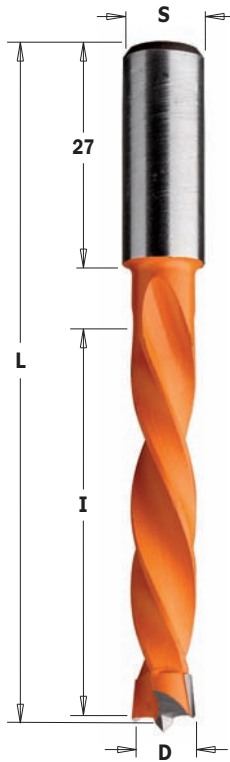
Negatively ground spurs

**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## 4 flute dowel drills

**373**

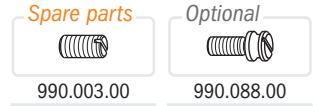
HW Z2 V2 RH LH



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	50	85	10x27	<b>373.050.11</b>	<b>373.050.12</b>
6	50	85	10x27	<b>373.060.11</b>	<b>373.060.12</b>
7	50	85	10x27	<b>373.070.11</b>	<b>373.070.12</b>
8	50	85	10x27	<b>373.080.11</b>	<b>373.080.12</b>
10	50	85	10x27	<b>373.100.11</b>	<b>373.100.12</b>
12	50	85	10x27	<b>373.120.11</b>	<b>373.120.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

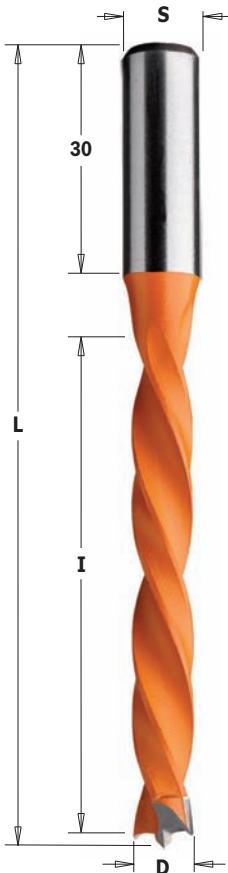


**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## 4 flute dowel drills

**372**

HW Z2 V2 RH LH



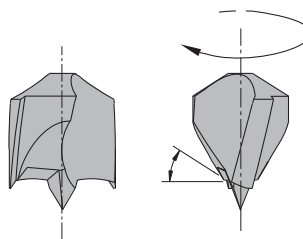
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	65	105	10x30	<b>372.050.11</b>	<b>372.050.12</b>
6	65	105	10x30	<b>372.060.11</b>	<b>372.060.12</b>
7	65	105	10x30	<b>372.070.11</b>	<b>372.070.12</b>
8	65	105	10x30	<b>372.080.11</b>	<b>372.080.12</b>
10	65	105	10x30	<b>372.100.11</b>	<b>372.100.12</b>
12	65	105	10x30	<b>372.120.11</b>	<b>372.120.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.



**APPLICATION:** used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



Negatively ground spurs

## Dowel drills with countersink

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

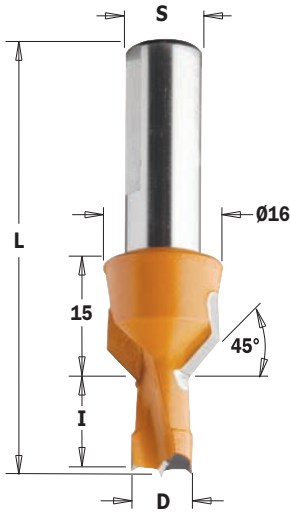
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

225



**376**

HW Z2+2 V2 RH LH

D	I	L	S	ORDER NO.	ORDER NO.
mm	mm	mm	mm	Right-hand rotation	Left-hand rotation
8	12	57,5	10	<b>376.080.11</b>	<b>376.080.12</b>
8	13	57,5	10	<b>376.083.11</b>	<b>376.083.12</b>
8	15	57,5	10	<b>376.081.11</b>	<b>376.081.12</b>
8	20	57,5	10	<b>376.082.11</b>	<b>376.082.12</b>
10	12	57,5	10	<b>376.100.11</b>	<b>376.100.12</b>
10	13	57,5	10	<b>376.103.11</b>	<b>376.103.12</b>
10	15	57,5	10	<b>376.101.11</b>	<b>376.101.12</b>
10	20	57,5	10	<b>376.102.11</b>	<b>376.102.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2+2 HW precision ground cutting edges [Z2+2]
- 2 negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

Spare parts



990.003.00

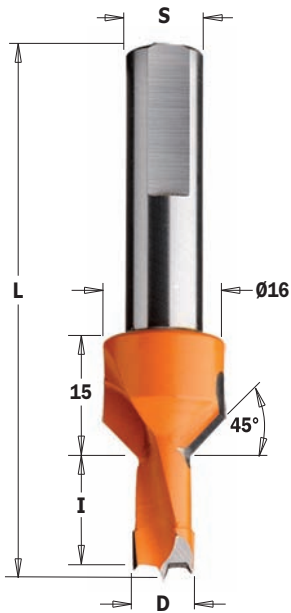
Optional



990.088.00

**APPLICATION:** used for drilling and countersinking in solid wood, wood composites, plastic and laminated materials. Suitable for high performance speed on boring machines equipped with adaptors or chucks.

## Dowel drills with countersink



**377**

HW Z2+2 V2 RH LH

D	I	L	S	ORDER NO.	ORDER NO.
mm	mm	mm	mm	Right-hand rotation	Left-hand rotation
8	12	70	10	<b>377.080.11</b>	<b>377.080.12</b>
8	13	70	10	<b>377.083.11</b>	<b>377.083.12</b>
8	15	70	10	<b>377.081.11</b>	<b>377.081.12</b>
8	20	70	10	<b>377.082.11</b>	<b>377.082.12</b>
10	12	70	10	<b>377.100.11</b>	<b>377.100.12</b>
10	13	70	10	<b>377.103.11</b>	<b>377.103.12</b>
10	15	70	10	<b>377.101.11</b>	<b>377.101.12</b>
10	20	70	10	<b>377.102.11</b>	<b>377.102.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2+2 HW precision ground cutting edges [Z2+2]
- 2 negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

Spare parts



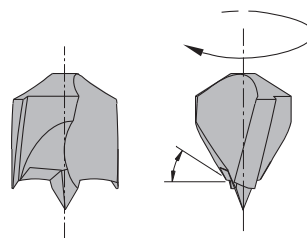
990.003.00

Optional



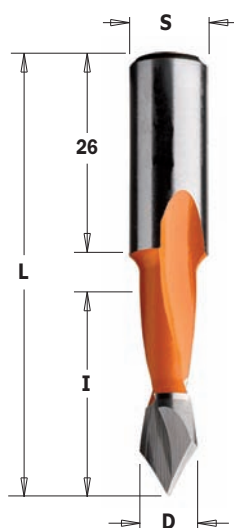
990.088.00

**APPLICATION:** used for drilling and countersinking in solid wood, wood composites, plastic and laminated materials. Suitable for high performance speed on boring machines equipped with adaptors or chucks.



Negatively ground spurs

## 2 flute dowel drills for through holes

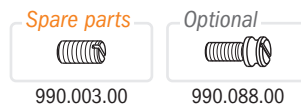


### 313



D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
5	27	57,5	10x26	<b>313.050.11</b>	<b>313.050.12</b>
6	27	57,5	10x26	<b>313.060.11</b>	<b>313.060.12</b>
8	27	57,5	10x26	<b>313.080.11</b>	<b>313.080.12</b>
10	27	57,5	10x26	<b>313.100.11</b>	<b>313.100.12</b>

For panels with maximum 20mm in thickness

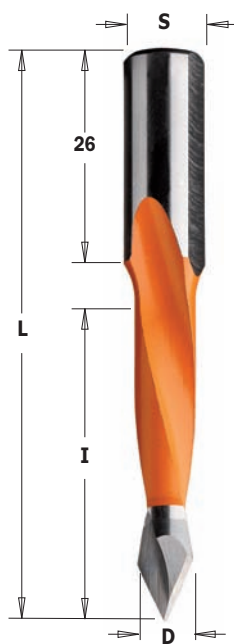


**TECHNICAL DETAILS:**

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

## 2 flute dowel drills for through holes



### 314



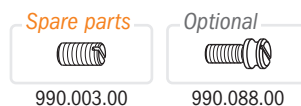
D mm	I mm	L mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
4	30	70	10x26	<b>314.040.11</b>	<b>314.040.12</b>
4,76	35	70	10x26	<b>314.047.11</b>	<b>314.047.12</b>
5	35	70	10x26	<b>314.050.11</b>	<b>314.050.12</b>
5,55	35	70	10x26	<b>314.055.11</b>	<b>314.055.12</b>
6	35	70	10x26	<b>314.060.11</b>	<b>314.060.12</b>
6,35	35	70	10x26	<b>314.064.11</b>	<b>314.064.12</b>
7	35	70	10x26	<b>314.070.11</b>	<b>314.070.12</b>
8	35	70	10x26	<b>314.080.11</b>	<b>314.080.12</b>
9	35	70	10x26	<b>314.090.11</b>	<b>314.090.12</b>
9,52	35	70	10x26	<b>314.095.11</b>	<b>314.095.12</b>
10	35	70	10x26	<b>314.100.11</b>	<b>314.100.12</b>
12	35	70	10x26	<b>314.120.11</b>	<b>314.120.12</b>
12,7	35	70	10x26	<b>314.127.11</b>	<b>314.127.12</b>

For panels with maximum 25-30mm in thickness

### 366

5	44	77	10x26	<b>366.050.11</b>	<b>366.050.12</b>
6	44	77	10x26	<b>366.060.11</b>	<b>366.060.12</b>
8	44	77	10x26	<b>366.080.11</b>	<b>366.080.12</b>
10	44	77	10x26	<b>366.100.11</b>	<b>366.100.12</b>
12	44	77	10x26	<b>366.120.11</b>	<b>366.120.12</b>

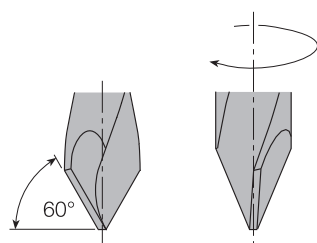
For panels with maximum 30-40mm in thickness



**TECHNICAL DETAILS:**

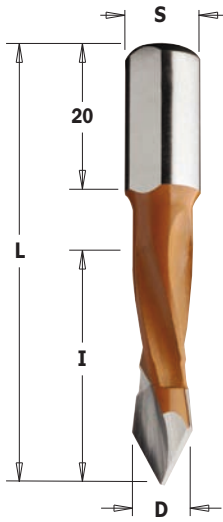
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



60° through holes

## 4 flute dowel drills for through holes



**374**

**HW** **Z2** **RH** **LH**

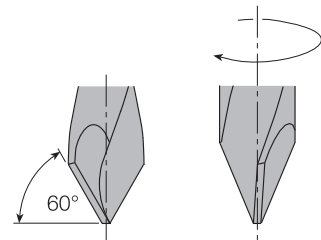
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	57,5	10x20	<b>374.050.11</b>	<b>374.050.12</b>
8	30	57,5	10x20	<b>374.080.11</b>	<b>374.080.12</b>

For panels with maximum 20-25mm in thickness

**375**

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	40	70	10x20	<b>375.050.11</b>	<b>375.050.12</b>
6	40	70	10x20	<b>375.060.11</b>	<b>375.060.12</b>
7	40	70	10x20	<b>375.070.11</b>	<b>375.070.12</b>
8	40	70	10x20	<b>375.080.11</b>	<b>375.080.12</b>
10	40	70	10x20	<b>375.100.11</b>	<b>375.100.12</b>

For panels with maximum 30-35mm in thickness



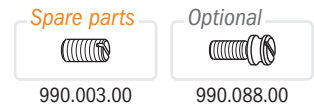
60° through holes

**TECHNICAL DETAILS:**

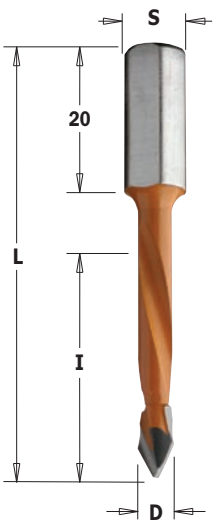
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices.

Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



## 2 flute dowel drills for through holes



**367**

**HW** **Z2** **RH** **LH**

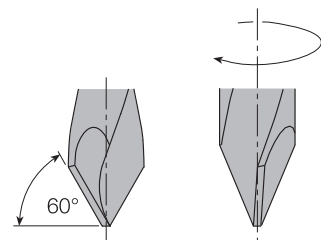
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	56	8x20	<b>367.050.11</b>	<b>367.050.12</b>
8	30	56	8x20	<b>367.080.11</b>	<b>367.080.12</b>

For panels with maximum 20-25mm in thickness

**368**

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	70	8x20	<b>368.050.11</b>	<b>368.050.12</b>
6	43	70	8x20	<b>368.060.11</b>	<b>368.060.12</b>
7	43	70	8x20	<b>368.070.11</b>	<b>368.070.12</b>
8	43	70	8x20	<b>368.080.11</b>	<b>368.080.12</b>

For panels with maximum 35-40mm in thickness



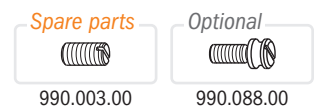
60° through holes

**TECHNICAL DETAILS:**

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:** used on boring machines and dowel drilling devices.

Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



# Countersinks for 2 flutes dowel drills

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

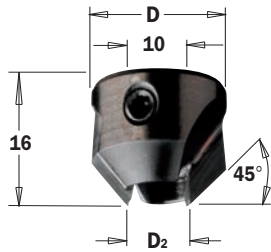
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 315



D <sub>2</sub> mm	D mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
From 5 to 10	20	<b>315.200.11</b>	<b>315.200.12</b>
From 11 to 12	22	<b>315.220.11</b>	<b>315.220.12</b>

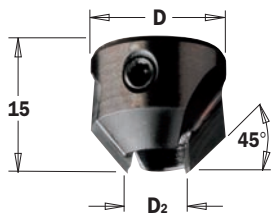
For assembly on the shank of the drill.  
For use with the following parts: 310-311-362-313-314-366 HW



**TECHNICAL DETAILS:**  
 - Super-strength steel  
 - 2 precision ground carbide tipped cutting edges [Z2]  
 - Direct clamp on the shank of the drills.

**APPLICATION:** used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

# Countersinks for 4 flutes dowel drills



## 316

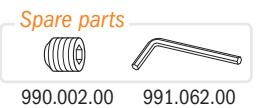


D <sub>2</sub> mm	D mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
4	16	<b>316.040.11</b>	<b>316.040.12</b>
5	16	<b>316.050.11</b>	<b>316.050.12</b>
6	16	<b>316.060.11</b>	<b>316.060.12</b>
7	16	<b>316.070.11</b>	<b>316.070.12</b>
8	18	<b>316.080.11</b>	<b>316.080.12</b>
9	18	<b>316.090.11</b>	<b>316.090.12</b>
10	20	<b>316.100.11</b>	<b>316.100.12</b>
12	20	<b>316.120.11</b>	<b>316.120.12</b>

**TECHNICAL DETAILS:**  
 - Super-strength steel  
 - 2 HW precision ground cutting edges [Z2]

**APPLICATION:** used for drilling and chamfering in solid wood, wood composites, plastic and laminated materials.

For assembly on the spiral head of the bit. Adjustable depth.  
For use with the following parts:  
306-307-308-309-373-374-375-338-339-340-341-342-343-344-346-352-353 HW



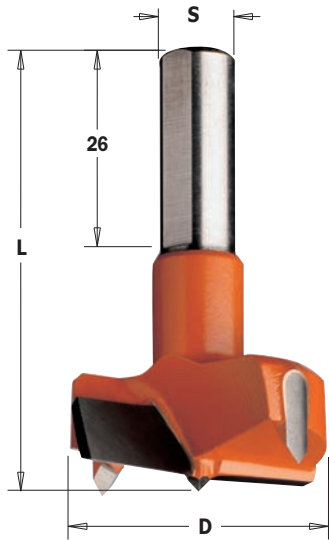
### 315 assembly Illustration



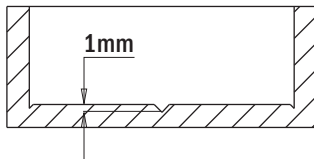
### 316 assembly Illustration



# Hinge boring bits



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	317.140.11	317.140.12
15	57,5	10x26	317.150.11	317.150.12
16	57,5	10x26	317.160.11	317.160.12
17	57,5	10x26	317.170.11	317.170.12
18	57,5	10x26	317.180.11	317.180.12
19	57,5	10x26	317.190.11	317.190.12
20	57,5	10x26	317.200.11	317.200.12
22	57,5	10x26	317.220.11	317.220.12
24	57,5	10x26	317.240.11	317.240.12
25	57,5	10x26	317.250.11	317.250.12
26	57,5	10x26	317.260.11	317.260.12
28	57,5	10x26	317.280.11	317.280.12
30	57,5	10x26	317.300.11	317.300.12
32	57,5	10x26	317.320.11	317.320.12
34	57,5	10x26	317.340.11	317.340.12
35	57,5	10x26	317.350.11	317.350.12
38	57,5	10x26	317.380.11	317.380.12
40	57,5	10x26	317.400.11	317.400.12
45	57,5	10x26	317.450.11	317.450.12
50	57,5	10x26	317.500.11	317.500.12
55	57,5	10x26	317.550.11	317.550.12
60	57,5	10x26	317.600.11	317.600.12

NEW  
NEW  
NEW  
NEW

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw.

Spare parts



990.003.00

Optional



990.088.00

**APPLICATION: ideal for hinges.** Use on boring machines equipped with adaptors or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

# DP Hinge boring bits



**317**

DP Z2 V2 RH LH

D mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	57,5	10x26	317.150.61	317.150.62
35	57,5	10x26	317.350.61	317.350.62

**369**

DP Z2 V2 RH LH

D mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
15	70	10x26	369.150.61	369.150.62
35	70	10x26	369.350.61	369.350.62

**TECHNICAL DETAILS:**

- Super-strength steel
- DP head with precision balanced centre point
- 2 DP precision 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: ideal for hinges.** Use on boring machines equipped with adaptors or chucks. Use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials. Boring performance 20 times longer than HW materials.

**20X**  
LONGER LIFE  
THAN CARBIDE

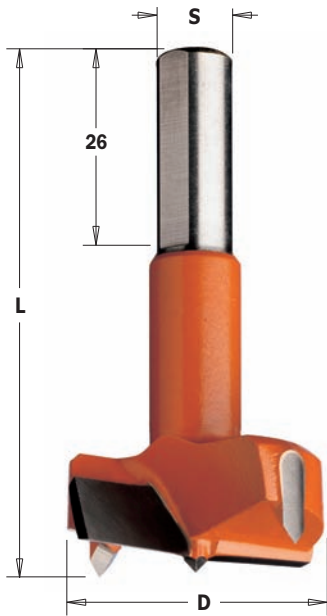
**REMARK:** special diametre available on request.



## Hinge boring bits

**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	<b>369.140.11</b>	<b>369.140.12</b>
15	70	10x26	<b>369.150.11</b>	<b>369.150.12</b>
16	70	10x26	<b>369.160.11</b>	<b>369.160.12</b>
18	70	10x26	<b>369.180.11</b>	<b>369.180.12</b>
20	70	10x26	<b>369.200.11</b>	<b>369.200.12</b>
22	70	10x26	<b>369.220.11</b>	<b>369.220.12</b>
25	70	10x26	<b>369.250.11</b>	<b>369.250.12</b>
26	70	10x26	<b>369.260.11</b>	<b>369.260.12</b>
30	70	10x26	<b>369.300.11</b>	<b>369.300.12</b>
35	70	10x26	<b>369.350.11</b>	<b>369.350.12</b>
40	70	10x26	<b>369.400.11</b>	<b>369.400.12</b>
<b>new</b> 45	70	10x26	<b>369.450.11</b>	<b>369.450.12</b>
<b>new</b> 50	70	10x26	<b>369.500.11</b>	<b>369.500.12</b>
<b>new</b> 55	70	10x26	<b>369.550.11</b>	<b>369.550.12</b>
<b>new</b> 60	70	10x26	<b>369.600.11</b>	<b>369.600.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with orange or black PT.FE.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw.

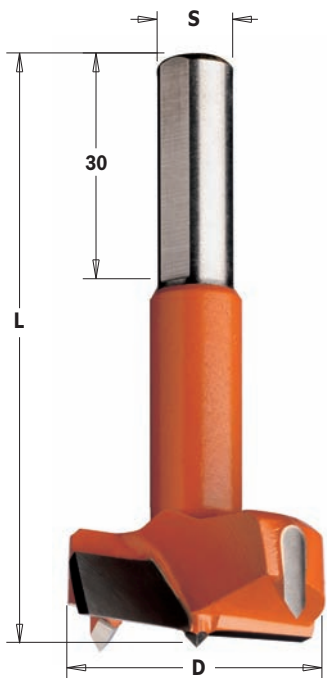
Spare parts	Optional
990.003.00	990.088.00

**APPLICATION: ideal for hinges.** Use on boring machines equipped with adaptors or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

## Hinge boring bits

**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	<b>370.180.11</b>	<b>370.180.12</b>
20	77	10x30	<b>370.200.11</b>	<b>370.200.12</b>
25	77	10x30	<b>370.250.11</b>	<b>370.250.12</b>
30	77	10x30	<b>370.300.11</b>	<b>370.300.12</b>
35	77	10x30	<b>370.350.11</b>	<b>370.350.12</b>

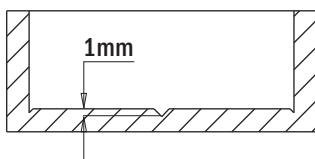
**TECHNICAL DETAILS:**

- Super-strength steel
- Cutter portion coated with orange or black PT.FE.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw.

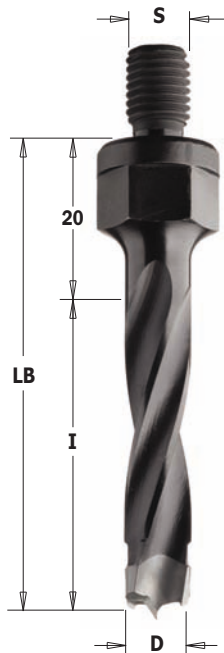
Spare parts	Optional
990.003.00	990.088.00

**APPLICATION: ideal for hinges.** Use on boring machines equipped with adaptors or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

New construction with 1mm centre point



## Dowel drills with threaded shank



### 344



D mm	I mm	LB mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	63	M8	344.050.11	344.050.12
6	43	63	M8	344.060.11	344.060.12
8	43	63	M8	344.080.11	344.080.12
10	43	63	M8	344.100.11	344.100.12
12	43	63	M8	344.120.11	344.120.12

**FOR USE ON THE FOLLOWING MACHINES:**  
Nottmeyer (older models)

### 346



D mm	I mm	LB mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	43	63	M10	346.050.11	346.050.12
6	43	63	M10	346.060.11	346.060.12
8	43	63	M10	346.080.11	346.080.12
10	43	63	M10	346.100.11	346.100.12
12	43	63	M10	346.120.11	346.120.12

**FOR USE ON THE FOLLOWING MACHINES:**  
Ayen, Holzma, Knoevenagel, Mayer, Torwegge

- TECHNICAL DETAILS:**
- Super-strength steel
  - HW head with precision balanced centre point
  - 2 precision ground cutting edges [Z2]
  - 2 ground spurs [V2]
  - 4 spiral flutes

**APPLICATION:** used on boring machines equipped with chucks.  
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills with threaded shank



### 352-353



D mm	I mm	LB mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	45	M8/9	352.050.11	352.050.12
6	30	45	M8/9	352.060.11	352.060.12
8	30	45	M8/9	352.080.11	352.080.12
10	30	45	M8/9	352.100.11	352.100.12
12	30	45	M8/9	352.120.11	352.120.12

5	40	55	M8/9	353.050.11	353.050.12
6	40	55	M8/9	353.060.11	353.060.12
8	40	55	M8/9	353.080.11	353.080.12
10	40	55	M8/9	353.100.11	353.100.12
12	40	55	M8/9	353.120.11	353.120.12

**FOR USE ON THE FOLLOWING MACHINES:**  
Masterwood (Zangheri & Boschetti)  
Morbidelli, Nottmeyer (new design)

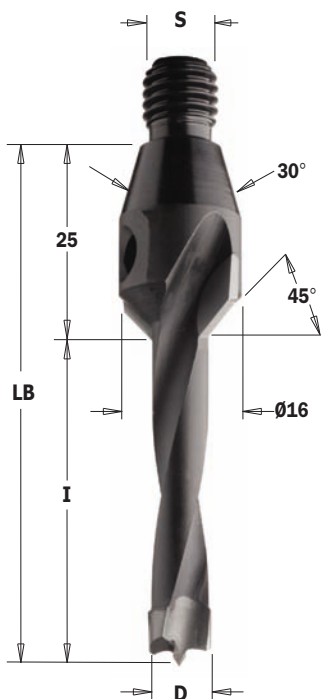
- TECHNICAL DETAILS:**
- Super-strength steel
  - HW head with precision balanced centre point
  - 2 precision ground cutting edges [Z2]
  - 2 ground spurs [V2]
  - 4 spiral flutes

**APPLICATION:** used on boring machines equipped with chucks.  
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills with threaded shank with countersink

### 332-334-336-337

HW Z2 V2 RH LH



D mm	I mm	LB mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	20	45	M10/30°	332.050.11	332.050.12
6	20	45	M10/30°	332.060.11	332.060.12
8	20	45	M10/30°	332.080.11	332.080.12
10	20	45	M10/30°	332.100.11	332.100.12
12	20	45	M10/30°	332.120.11	332.120.12
5	30	55	M10/30°	334.050.11	334.050.12
6	30	55	M10/30°	334.060.11	334.060.12
8	30	55	M10/30°	334.080.11	334.080.12
10	30	55	M10/30°	334.100.11	334.100.12
12	30	55	M10/30°	334.120.11	334.120.12
5	40	65	M10/30°	336.050.11	336.050.12
6	40	65	M10/30°	336.060.11	336.060.12
8	40	65	M10/30°	336.080.11	336.080.12
10	40	65	M10/30°	336.100.11	336.100.12
12	40	65	M10/30°	336.120.11	336.120.12
5	50	75	M10/30°	337.050.11	337.050.12
6	50	75	M10/30°	337.060.11	337.060.12
8	50	75	M10/30°	337.080.11	337.080.12
10	50	75	M10/30°	337.100.11	337.100.12
12	50	75	M10/30°	337.120.11	337.120.12

**TECHNICAL DETAILS:**

- Super-strength steel
- HW head with precision balanced centre point
- 2 precision ground cutting edge [Z2]
- 2 ground spurs [V2]
- 2 spiral flutes

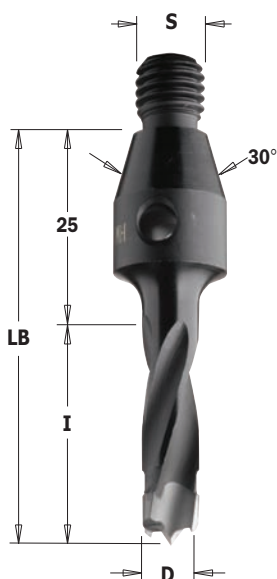
**APPLICATION:**

used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills with threaded shank without countersink

### 341-342-343

HW Z2 V2 RH LH



D mm	I mm	LB mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
5	30	55	M10/30°	341.050.11	341.050.12
6	30	55	M10/30°	341.060.11	341.060.12
8	30	55	M10/30°	341.080.11	341.080.12
10	30	55	M10/30°	341.100.11	341.100.12
12	30	55	M10/30°	341.120.11	341.120.12
5	40	65	M10/30°	342.050.11	342.050.12
6	40	65	M10/30°	342.060.11	342.060.12
8	40	65	M10/30°	342.080.11	342.080.12
10	40	65	M10/30°	342.100.11	342.100.12
12	40	65	M10/30°	342.120.11	342.120.12
5	50	75	M10/30°	343.050.11	343.050.12
6	50	75	M10/30°	343.060.11	343.060.12
8	50	75	M10/30°	343.080.11	343.080.12
10	50	75	M10/30°	343.100.11	343.100.12
12	50	75	M10/30°	343.120.11	343.120.12

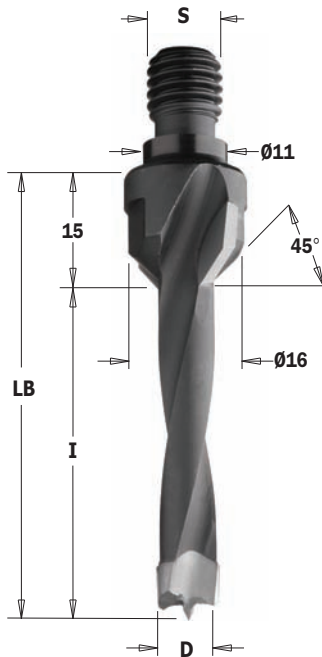
**TECHNICAL DETAILS:**

- Super-strength steel
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 ground spurs [V2]
- 4 spiral flutes

**APPLICATION:**

used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills with threaded shank with countersink



### 325-327-329-330

D mm	I mm	LB mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
5	20	35	M10/11x4	<b>325.050.11</b>	<b>325.050.12</b>
6	20	35	M10/11x4	<b>325.060.11</b>	<b>325.060.12</b>
8	20	35	M10/11x4	<b>325.080.11</b>	<b>325.080.12</b>
10	20	35	M10/11x4	<b>325.100.11</b>	<b>325.100.12</b>
12	20	35	M10/11x4	<b>325.120.11</b>	<b>325.120.12</b>
5	30	45	M10/11x4	<b>327.050.11</b>	<b>327.050.12</b>
6	30	45	M10/11x4	<b>327.060.11</b>	<b>327.060.12</b>
8	30	45	M10/11x4	<b>327.080.11</b>	<b>327.080.12</b>
10	30	45	M10/11x4	<b>327.100.11</b>	<b>327.100.12</b>
12	30	45	M10/11x4	<b>327.120.11</b>	<b>327.120.12</b>
5	40	55	M10/11x4	<b>329.050.11</b>	<b>329.050.12</b>
6	40	55	M10/11x4	<b>329.060.11</b>	<b>329.060.12</b>
8	40	55	M10/11x4	<b>329.080.11</b>	<b>329.080.12</b>
10	40	55	M10/11x4	<b>329.100.11</b>	<b>329.100.12</b>
12	40	55	M10/11x4	<b>329.120.11</b>	<b>329.120.12</b>
5	50	65	M10/11x4	<b>330.050.11</b>	<b>330.050.12</b>
6	50	65	M10/11x4	<b>330.060.11</b>	<b>330.060.12</b>
8	50	65	M10/11x4	<b>330.080.11</b>	<b>330.080.12</b>
10	50	65	M10/11x4	<b>330.100.11</b>	<b>330.100.12</b>
12	50	65	M10/11x4	<b>330.120.11</b>	<b>330.120.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- 2 ground spurs [V2]

**APPLICATION:**

used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

## Dowel drills with threaded shank without countersink



### 338-339-340



D mm	I mm	LB mm	S mm	ORDER NO.	ORDER NO.
				Right-hand rotation	Left-hand rotation
5	30	45	M10/11x4	<b>338.050.11</b>	<b>338.050.12</b>
6	30	45	M10/11x4	<b>338.060.11</b>	<b>338.060.12</b>
8	30	45	M10/11x4	<b>338.080.11</b>	<b>338.080.12</b>
10	30	45	M10/11x4	<b>338.100.11</b>	<b>338.100.12</b>
12	30	45	M10/11x4	<b>338.120.11</b>	<b>338.120.12</b>
5	40	55	M10/11x4	<b>339.050.11</b>	<b>339.050.12</b>
6	40	55	M10/11x4	<b>339.060.11</b>	<b>339.060.12</b>
8	40	55	M10/11x4	<b>339.080.11</b>	<b>339.080.12</b>
10	40	55	M10/11x4	<b>339.100.11</b>	<b>339.100.12</b>
12	40	55	M10/11x4	<b>339.120.11</b>	<b>339.120.12</b>
5	50	65	M10/11x4	<b>340.050.11</b>	<b>340.050.12</b>
6	50	65	M10/11x4	<b>340.060.11</b>	<b>340.060.12</b>
8	50	65	M10/11x4	<b>340.080.11</b>	<b>340.080.12</b>
10	50	65	M10/11x4	<b>340.100.11</b>	<b>340.100.12</b>
12	50	65	M10/11x4	<b>340.120.11</b>	<b>340.120.12</b>

**TECHNICAL DETAILS:**

- Super-strength steel
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 ground spurs [V2]
- 4 spiral flutes

**APPLICATION:**

used on boring machines equipped with chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

# Special dowel drills

## TOOL FEATURES

### TOOL MATERIAL

- HW  SP steel

### QUANTITY AND ROTATION

Nr. .... RH Bits      Nr. .... LH Bits

### SHANK

#### - PARALLEL SHANK WITH DRIVING FLAT

- Ø8x20mm with driving flat and length adjusting screw  
 Ø10x20mm with driving flat and length adjusting screw

#### - THREADED SHANK

- M8  
 M10  
 M8 with seating Ø9x4mm  
 M10 with seating Ø11x4mm  
 M 8 with 20° 48' centring cone  
 M10 with 30° centring cone

#### - PARALLEL SHANK

- S x A = .....  
 (Specify diametre and shank length)
- .....  
 (Specify other shank types)

## HOLE FEATURES

### HOLE TO PRODUCE

- Drawing 1 - Blind hole with more than one diametre  
 Drawing 2 - Blind hole with counter  
 Drawing 3 - Through hole with more than one diametre  
 Drawing 4 - Through hole with countersink

### DIMENSIONS

d x C .....  
 (Specify diametre and depth of first hole)

D x B .....  
 (Specify diametre and depth of second hole)

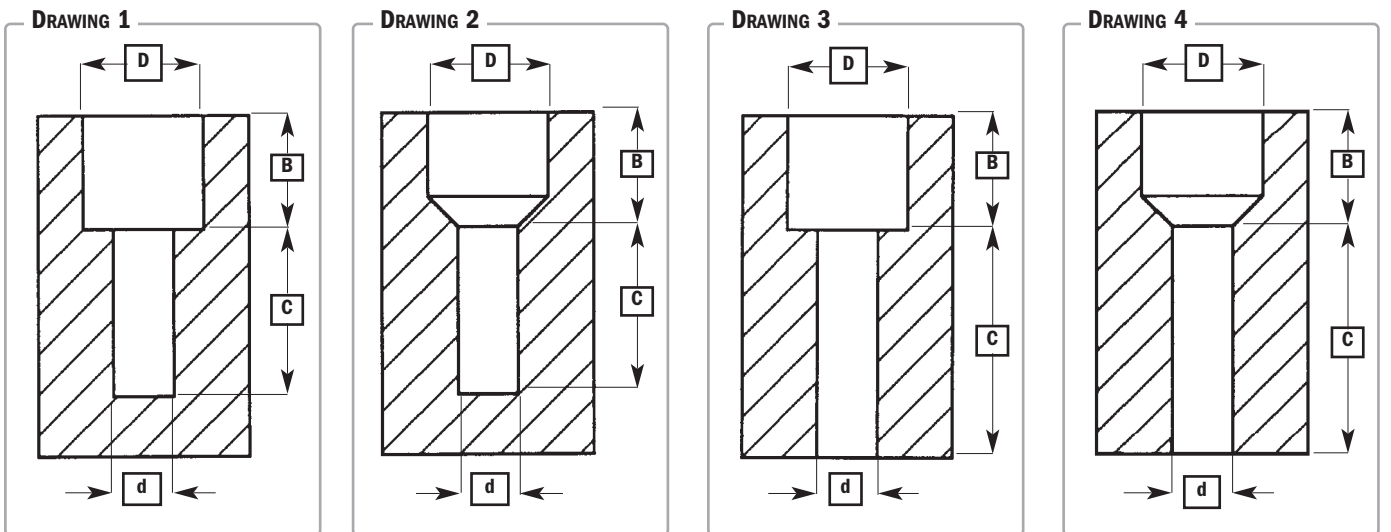
.....  
 (Specify countersink-angle) "standard 45°"

### WORK MATERIAL

- Solid wood  
 MDF/Melamine panels  
 Chipboard panels and hardwood  
 .....  
 (Specify other materials)

### MACHINE DATA

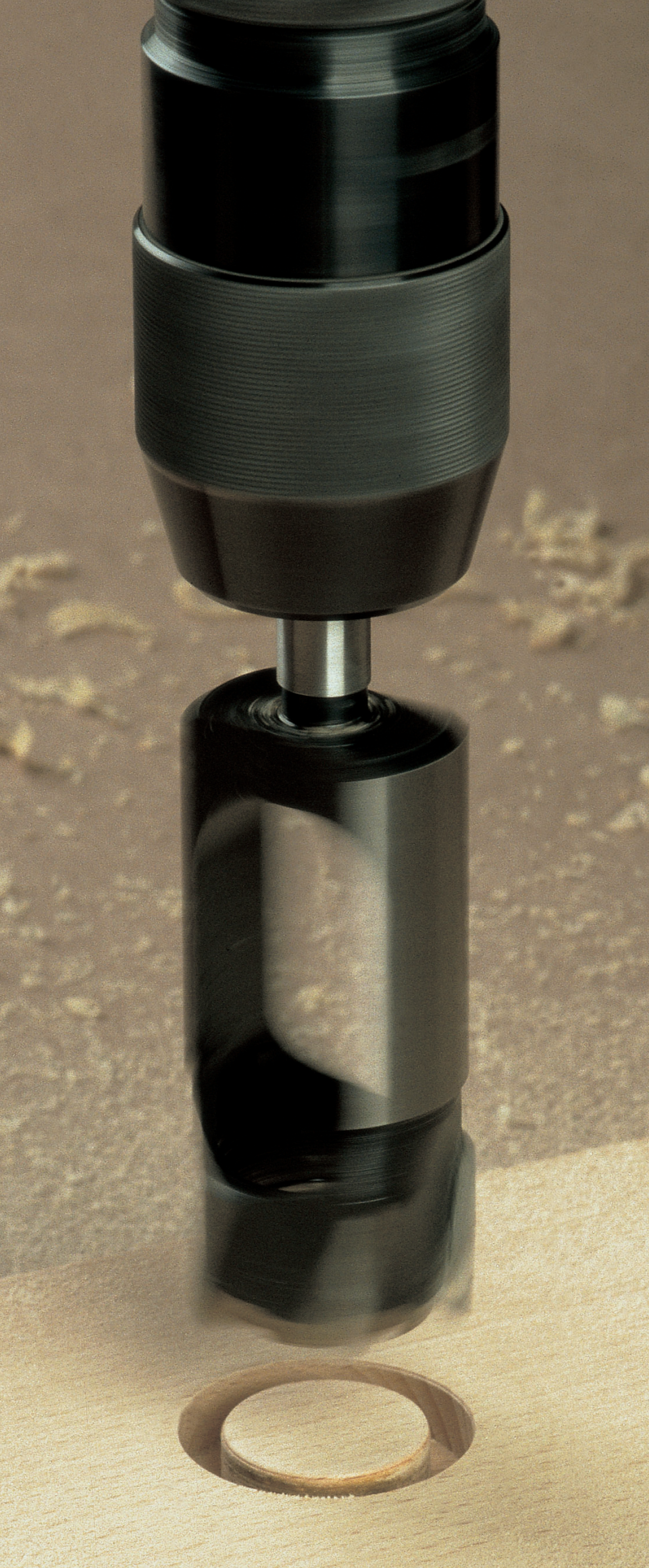
Manufacturer/Model .....  
 RPM .....  
 Feed speed (metres/minute) .....



For orders, please fill out this form and fax it to:

#39 0721 481021 or mail to:

C.M.T. Utensili S.p.A. - Via della Meccanica, s.n. - 61122 Pesaro, Fraz. Chiusa di Ginestreto - Italia



# Bits for hand power tools

<b>Products</b>	<b>Page</b>
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Interchangeable boring bits	237
Boring bits	238-241
Chisel and bit sets	241
Plug cutters & sets	242-243
Forstner bits	244
Rosette cutters	245
Brad point bits	246-248
Bits for Mafell® and Festool® machines	249
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## Adaptors



### 509-532-533 ...with parallel shank for interchangeable bits

**RH** **LH**

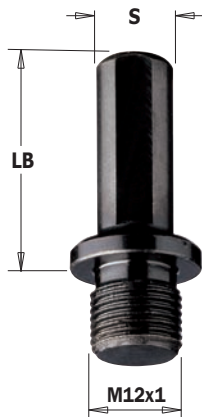
S mm	LB mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8x30	35	<b>532.080.01</b>	
9,5x30	35	<b>532.095.01</b>	
10x50	60	<b>533.100.01</b>	<b>533.100.02</b>
12x30	35	<b>532.120.01</b>	
13x50	100	<b>509.130.01</b>	<b>509.130.02</b>
16x50	100	<b>509.160.01</b>	<b>509.160.02</b>

**TECHNICAL DETAILS:**

- Super strength steel
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:** used on boring machines with adaptor chucks.

## Adaptors



### 511 ...with parallel shank for quick change drills

**RH** **LH**

S mm	LB mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10x20 (with driving flat and screw)	27	<b>511.270.01</b>	<b>511.270.02</b>
10x35 (with driving flat and screw)	40	<b>511.400.01</b>	<b>511.400.02</b>

**For use with the following parts: 501 HW**
**TECHNICAL DETAILS:**

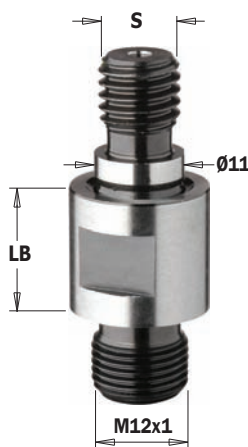
- Super strength steel
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:** used on boring machines with adaptor chucks.

*Spare parts*


990.003.00

## Adaptors



### 506 ...with threaded shank for interchangeable bits

**RH** **LH**

S mm	LB mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/11x4	15	<b>506.150.01</b>	<b>506.150.02</b>
M10/11x4	25	<b>506.250.01</b>	<b>506.250.02</b>
M10/11x4	35	<b>506.350.01</b>	<b>506.350.02</b>

**For use with the following parts: 501 HW**
**TECHNICAL DETAILS:**

- Super strength steel
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:** used on boring machines with adaptor chucks.

## Adaptors



### 503 ...with threaded shank for interchangeable bits

RH LH

S mm	LB mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/30°	25	503.250.01	503.250.02
M10/30°	35	503.350.01	503.350.02
M10/30°	45	503.450.01	503.450.02

For use with the following parts: 501 HW

**TECHNICAL DETAILS:**

- Super strength steel
- Parallel shank with driving flat and adjustable screw length

**APPLICATION:** used on boring machines with adaptor chucks.

## Adaptors



### 534 ...with tapered shank for interchangeable bits

RH

S	ORDER NO. Right-hand rotation
MK2/Ø20x14Fx1"	534.020.01
MK2/M30x1,5	534.030.01

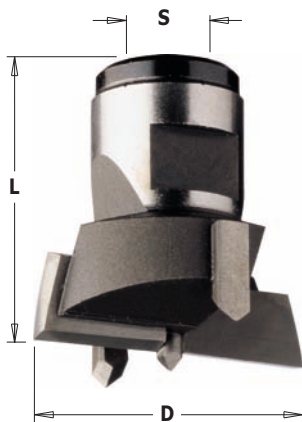
For use with the following parts: 501 HW

**TECHNICAL DETAILS:**

- Super strength steel

**APPLICATION:** used on CNC machines or hand-held routers equipped with adaptor chucks.

## Interchangeable boring bits with threaded shank



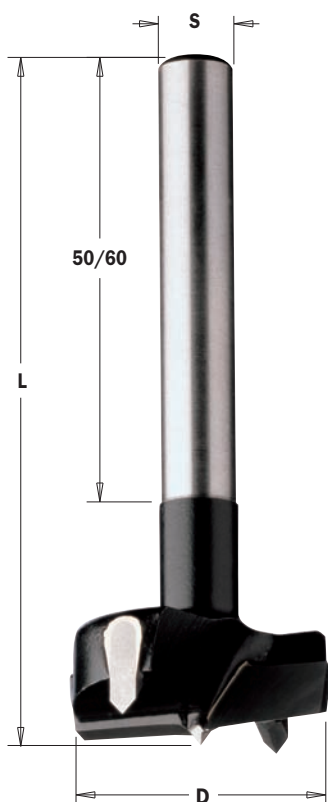
### 501

HW Z2+2 RH LH

D mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
20	30	M12x1	501.200.11	501.200.12
22	30	M12x1	501.220.11	501.220.12
24	30	M12x1	501.240.11	501.240.12
25	30	M12x1	501.250.11	501.250.12
26	30	M12x1	501.260.11	501.260.12
30	30	M12x1	501.300.11	501.300.12
32	30	M12x1	501.320.11	501.320.12
34	30	M12x1	501.340.11	501.340.12
35	30	M12x1	501.350.11	501.350.12
36	30	M12x1	501.360.11	501.360.12
38	30	M12x1	501.380.11	501.380.12
40	30	M12x1	501.400.11	501.400.12
45	30	M12x1	501.450.11	501.450.12
50	30	M12x1	501.500.11	501.500.12
55	30	M12x1	501.550.11	501.550.12
60	30	M12x1	501.600.11	501.600.12



## Boring bits with parallel shank



### 512



D mm	L mm	S mm	ORDER NO. Right-hand rotation
14	90	10x60	512.140.11
15	90	10x60	512.150.11
16	90	10x60	512.160.11
17	90	10x60	512.170.11
18	90	10x60	512.180.11
19	90	10x60	512.190.11
20	90	10x60	512.200.11
21	90	10x60	512.210.11
22	90	10x60	512.220.11
23	90	10x60	512.230.11
24	90	10x60	512.240.11
25	90	10x60	512.250.11
26	90	10x60	512.260.11
27	90	10x60	512.270.11
28	90	10x60	512.280.11
29	90	10x60	512.290.11
30	90	10x60	512.300.11
31	90	10x60	512.310.11
32	90	10x60	512.320.11
33	90	10x60	512.330.11
34	90	10x60	512.340.11
35	90	10x60	512.350.11
38	90	10x60	512.380.11
40	90	10x60	512.400.11
45	90	10x50	512.450.11
48	90	10x50	512.480.11
50	90	10x50	512.500.11
55	90	10x50	512.550.11
58	90	10x50	512.580.11
60	90	10x50	512.600.11

**TECHNICAL DETAILS:**

- Super strength steel
- HW precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 HW negatively ground spurs [V2]
- Parallel shank

**APPLICATION:** used for drilling blind holes in solid wood, wood composites and plastic laminate materials. Ideal for hinges.

## 5 piece boring bit set for hinges



### 512



The perfect set for hinge work and other related applications. Machined from special high speed steel with micrograin carbide tips, these bits are available in diameters of 15, 20, 25, 30 and 35mm. Safely packaged in a solid plastic box with glass front for easy storage and inventory.

**TECHNICAL DETAILS:**

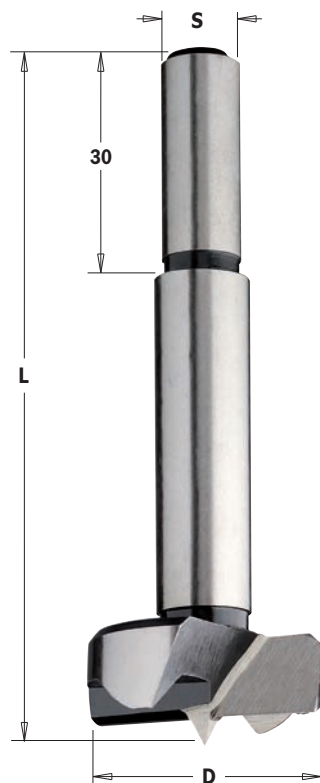
- Super strength steel
- HW precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 HW negatively ground spurs [V2]
- Parallel shank

**APPLICATION:** used for drilling blind holes in solid wood, wood composites and plastic laminated materials. Ideal for hinges.

DESCRIPTION	S mm	L mm	BIT DIAMETER mm	ORDER NO. Right-hand rotation
5 piece boring bit set for hinges	10	90	15-20-25-30-35	512.001.01

## Boring bits with parallel shank

SP Z2 V2 RH



### 512

D mm	L mm	S mm	ORDER NO. Right-hand rotation
8	90	10x30	512.081.31
10	90	10x30	512.101.31
12	90	10x30	512.121.31
14	90	10x30	512.141.31
15	90	10x30	512.151.31
16	90	10x30	512.161.31
18	90	10x30	512.181.31
20	90	10x30	512.201.31
22	90	10x30	512.221.31
24	90	10x30	512.241.31
25	90	10x30	512.251.31
26	90	10x30	512.261.31
28	90	10x30	512.281.31
30	90	10x30	512.301.31
32	90	10x30	512.321.31
34	90	10x30	512.341.31
35	90	10x30	512.351.31
38	90	10x30	512.381.31
40	90	10x30	512.401.31
45	90	10x30	512.451.31
50	90	10x30	512.501.31

**TECHNICAL DETAILS:**

- SP steel
- Precision balanced centre point
- 2 spurs [V2]
- 2 precision ground cutting edges [Z2]
- Long-lasting cutting performance
- Parallel shank

**APPLICATION:** used for drilling blind holes in softwood. Ideal for hinges.

## 5 piece boring bit set for hinges

SP Z2 V2 RH



### 512

The perfect set for hinge work and other related applications. Machined from special high speed steel, these bits are available in diameters of 15, 20, 25, 30 and 35mm. Precisely ground, sharpened with round shanks and safely packaged in a solid plastic box with glass front for easy storage and inventory.

**TECHNICAL DETAILS:**

- SP steel
- Precision balanced centre point
- 2 spurs [V2]
- 2 precision ground cutting edges [Z2]
- Long-lasting cutting performance

**APPLICATION:** used for drilling blind holes in softwood. Ideal for hinges.

DESCRIPTION	S mm	L mm	BIT DIAMETER mm	ORDER NO. Right-hand rotation
5 piece boring bit set for hinges	10	90	15-20-25-30-35	512.001.00

# Boring bits with parallel shank

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

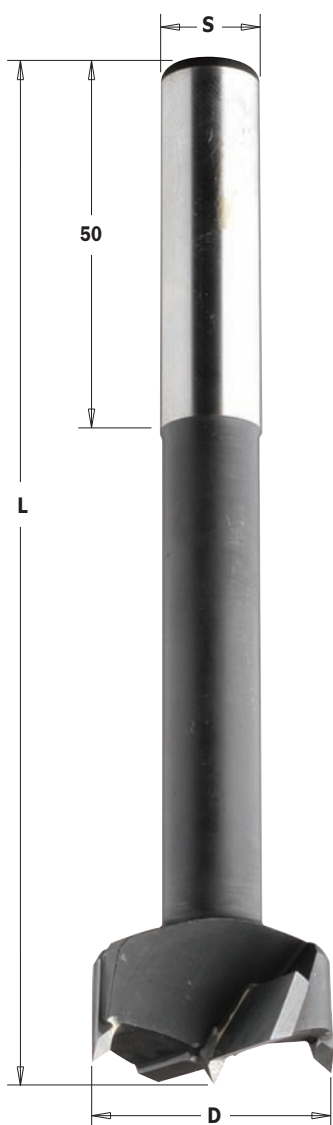
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 513

HW Z2 V2 RH

D mm	L mm	S mm	ORDER NO. Right-hand rotation
15	120	13	513.150.11
16	120	13	513.160.11
18	120	13	513.180.11
20	120	13	513.200.11
22	125	13	513.220.11
25	125	13	513.250.11
26	125	13	513.260.11
28	130	13	513.280.11
30	130	13	513.300.11
35	130	13	513.350.11
40	130	13	513.400.11
45	130	13	513.450.11
50	130	13	513.500.11
55	140	13	513.550.11
60	140	13	513.600.11

## 514

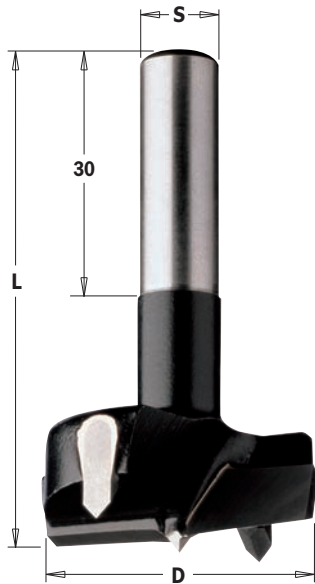
D mm	L mm	S mm	ORDER NO. Right-hand rotation
15	120	16	514.150.11
16	120	16	514.160.11
18	120	16	514.180.11
20	120	16	514.200.11
22	125	16	514.220.11
25	125	16	514.250.11
26	125	16	514.260.11
28	130	16	514.280.11
30	130	16	514.300.11
32	130	16	514.320.11
35	130	16	514.350.11
40	130	16	514.400.11
45	130	16	514.450.11
50	130	16	514.500.11
55	140	16	514.550.11
60	140	16	514.600.11

**TECHNICAL DETAILS:**

- Super strength steel
- HW precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 HW negatively ground spurs [V2]
- Parallel shank

**APPLICATION:** used for drilling blind holes in solid wood, wood composites and plastic laminated materials. Ideal for hinges.

## Boring bits with parallel shank



**392**

**HW** **Z2** **V2** **RH**

D mm	L mm	S mm	ORDER NO. Right-hand rotation
15	60	8	<b>392.150.11</b>
20	60	8	<b>392.200.11</b>
25	60	8	<b>392.250.11</b>
26	60	8	<b>392.260.11</b>
30	60	8	<b>392.300.11</b>
35	60	8	<b>392.350.11</b>
35	60	12,7	<b>392.351.11</b>
40	60	8	<b>392.400.11</b>

**TECHNICAL DETAILS:**

- Super strength steel
- HW precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 HW negatively ground spurs [V2]
- Parallel shank
- Right-hand rotation (RH)

**APPLICATION:** for use on drilling machines and hand-held routers in solid wood, wood composites and plastic laminated materials. Ideal for hinges and blind holes.

## Mortise chisel & bit sets



**543**

**HS** **Z1** **RH**

D		S		ORDER NO.
mm	inches	mm	inches	Right-hand rotation
6,35	1/4	19	3/4	<b>543.064.51</b>
8	5/16	19	3/4	<b>543.079.51</b>
9,5	3/8	19	3/4	<b>543.095.51</b>
12,7	1/2	19	3/4	<b>543.127.51</b>
15,8	5/8	19	3/4	<b>543.158.51</b>
19	3/4	19	3/4	<b>543.190.51</b>

It's tough to beat the "old faithful" mortise and tenon joint for strength and accuracy, even with all the other joining options in the world of woodworking. It isn't the easiest joint to make, but for sure it helps have the best quality tools in your shop. That's why we've added a new selection of chisel and bit sets in all the popular sizes 6,35mm (1/4") to 19mm (3/4") diameter.

These sets are for use on any standard drill press mortising attachment of mortising machines.

## Plug cutters

**529**

SP RH



d mm	D mm	L mm	S mm	Z	ORDER NO. Right-hand rotation
8	18	140	13	4	<b>529.080.31</b>
10	20	140	13	4	<b>529.100.31</b>
12	24	140	13	4	<b>529.120.31</b>
14	26	140	13	4	<b>529.140.31</b>
15	27	140	13	4	<b>529.150.31</b>
16	28	140	13	4	<b>529.160.31</b>
18	30	140	13	4	<b>529.180.31</b>
20	32	140	13	4	<b>529.200.31</b>
22	34	140	13	5	<b>529.220.31</b>
25	37	140	13	5	<b>529.250.31</b>
30	42	140	13	5	<b>529.300.31</b>
32	44	160	16	5	<b>529.320.31</b>
35	47	160	16	6	<b>529.350.31</b>
40	52	160	16	6	<b>529.400.31</b>
45	57	160	16	6	<b>529.450.31</b>
50	62	160	16	6	<b>529.500.31</b>

d inches	D inches	L inches	S inches	Z	ORDER NO. Right-hand rotation
3/8	49/64	5-1/2	1/2	4	<b>529.095.31</b>
1/2	61/64	5-1/2	1/2	4	<b>529.127.31</b>
5/8	1-7/64	5-1/2	1/2	4	<b>529.158.31</b>
3/4	1-7/32	5-1/2	1/2	4	<b>529.191.31</b>
7/8	1-11/32	5-1/2	1/2	4	<b>529.222.31</b>
1	1-15/32	5-1/2	1/2	5	<b>529.254.31</b>
1-1/4	1-19/32	6-5/16	1/2	5	<b>529.317.31</b>
1-3/8	1-27/32	6-5/16	5/8	6	<b>529.349.31</b>
1-1/2	1-31/32	6-5/16	5/8	6	<b>529.381.31</b>
1-5/8	2-3/32	6-5/16	5/8	6	<b>529.413.31</b>
1-3/4	2-7/32	6-5/16	5/8	6	<b>529.445.31</b>
2	2-15/32	6-5/16	5/8	6	<b>529.508.31</b>

Use our reduction bushing D=16mm to increase the 13mm shank (order no.799.130.00 page 253)

D mm	D inches	Max RPM Softwood	Max RPM Hardwood
< Ø16	5/8	1000	500
< Ø40	1-37/64	500	300
> Ø40	1-37/64	200	150

**TECHNICAL DETAILS:**

- SP steel
- Long lasting cutter performance

**APPLICATION:** used to make plugs in hard and soft woods.

## Plug cutters

**530**

HS Z4 RH



D mm	S	ORDER NO. Right-hand rotation
6,2	Ø21x14F.1"	<b>530.062.51</b>
8	Ø21x14F.1"	<b>530.080.51</b>
8,2	Ø21x14F.1"	<b>530.082.51</b>
10	Ø21x14F.1"	<b>530.100.51</b>
10,2	Ø21x14F.1"	<b>530.102.51</b>
12	Ø21x14F.1"	<b>530.120.51</b>
12,2	Ø21x14F.1"	<b>530.122.51</b>

**TECHNICAL DETAILS:**

- Super strength HS steel
- 4 precision ground cutting edges [Z4]
- Long lasting cutter performance

**APPLICATION:** used for cutting dowels.

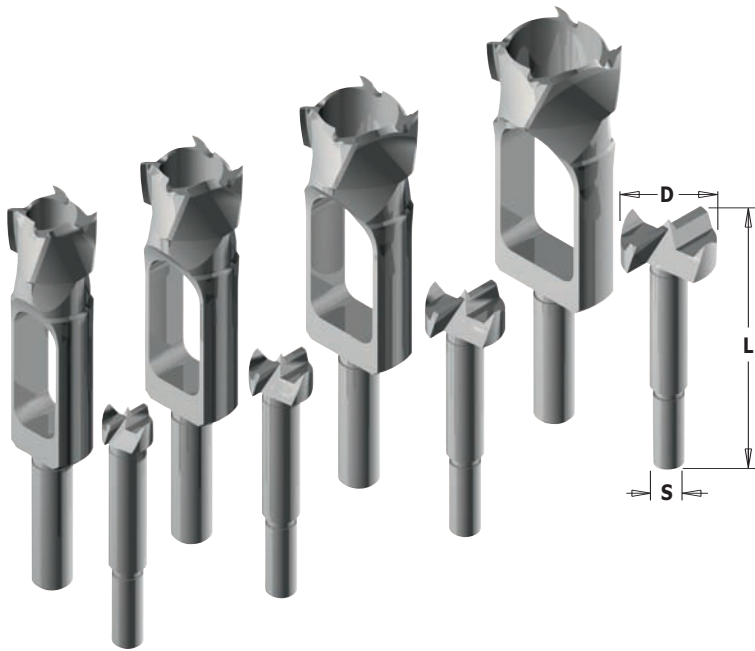
**REMARK:** available on request.

# Boring bit and plug cutter sets

**500.001/02/03**

**SP RH**

We offer a wide range of boring bits and plug cutters in the most popular diameters. If you need to bore or to make plugs in softwood these sets are with you need!



## 500.001.08 Boring bit & plug cutter set

Set contains	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring bit with parallel shank	8	90	10	<b>512.081.31</b>
Boring bit with parallel shank	10	90	10	<b>512.101.31</b>
Boring bit with parallel shank	12	90	10	<b>512.121.31</b>
Boring bit with parallel shank	15	90	10	<b>512.151.31</b>
Plug cutter	8	140	13	<b>529.080.31</b>
Plug cutter	10	140	13	<b>529.100.31</b>
Plug cutter	12	140	13	<b>529.120.31</b>
Plug cutter	15	140	13	<b>529.150.31</b>

## 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	<b>512.161.31</b>
Boring bit with parallel shank	20	90	10	<b>512.201.31</b>
Boring bit with parallel shank	25	90	10	<b>512.251.31</b>
Boring bit with parallel shank	30	90	10	<b>512.301.31</b>
Plug cutter	16	140	13	<b>529.160.31</b>
Plug cutter	20	140	13	<b>529.200.31</b>
Plug cutter	25	140	13	<b>529.250.31</b>
Plug cutter	30	140	13	<b>529.300.31</b>

## 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	<b>512.151.31</b>
Boring bit with parallel shank	20	90	10	<b>512.201.31</b>
Boring bit with parallel shank	25	90	10	<b>512.251.31</b>
Boring bit with parallel shank	30	90	10	<b>512.301.31</b>
Plug cutter	15	140	13	<b>529.150.31</b>
Plug cutter	20	140	13	<b>529.200.31</b>
Plug cutter	25	140	13	<b>529.250.31</b>
Plug cutter	30	140	13	<b>529.300.31</b>

# Forstner bits



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 537



D mm	L mm	S mm	ORDER NO. Right-hand rotation
10	90	8	<b>537.100.31</b>
12	90	8	<b>537.120.31</b>
14	90	8	<b>537.140.31</b>
15	90	8	<b>537.150.31</b>
16	90	8	<b>537.160.31</b>
18	90	8	<b>537.180.31</b>
20	90	8	<b>537.200.31</b>
22	90	8	<b>537.220.31</b>
24	90	8	<b>537.240.31</b>
25	90	8	<b>537.250.31</b>
26	90	8	<b>537.260.31</b>
28	90	8	<b>537.280.31</b>
30	90	8	<b>537.300.31</b>
32	90	10	<b>537.320.31</b>
35	90	10	<b>537.350.31</b>
38	90	10	<b>537.380.31</b>
40	90	10	<b>537.400.31</b>
45	90	10	<b>537.450.31</b>
50	90	10	<b>537.500.31</b>
55	90	10	<b>537.550.31</b>
68	159	12,5	<b>537.680.31</b>

D inches	L inches	S inches	ORDER NO. Right-hand rotation
1/4	3-35/64	3/8	<b>537.064.31</b>
3/8	3-35/64	3/8	<b>537.095.31</b>
1/2	3-35/64	3/8	<b>537.127.31</b>
5/8	3-35/64	3/8	<b>537.158.31</b>
3/4	3-35/64	3/8	<b>537.190.31</b>
7/8	3-35/64	3/8	<b>537.222.31</b>
1	3-35/64	3/8	<b>537.254.31</b>
1-1/8	3-35/64	3/8	<b>537.285.31</b>
1-1/4	3-35/64	3/8	<b>537.317.31</b>
1-3/8	3-35/64	3/8	<b>537.349.31</b>
1-1/2	3-35/64	3/8	<b>537.381.31</b>
1-5/8	3-35/64	3/8	<b>537.413.31</b>
1-3/4	3-35/64	3/8	<b>537.445.31</b>
1-7/8	3-35/64	3/8	<b>537.476.31</b>
2	3-35/64	3/8	<b>537.508.31</b>
2-1/8	3-35/64	3/8	<b>537.540.31</b>

### TECHNICAL DETAILS:

- Super strength SP steel
- Precision balanced centre point
- 2 spurs [V2]
- 2 precision ground cutting edges [Z2]
- Long-lasting cutting performance

**APPLICATION:** used to drill precise flat bottom holes with no chipping in any softwood thickness.

# Forstner bit sets

We offer a wide range of Forstner bits in the most popular diametres. These bits are available separately or in beautiful wooden sets. The high performance stagger tooth design on the bits with larger diametres allows for sharp holes with straight sides and flat bottoms. Bits available for drill presses, electric and cordless drills and suitable to work on any type of softwood.



**537.000.05**



**537.000.07**  
**537.000.12**  
**537.000.16**

DESCRIPTION	SHANK	BIT DIAMETER	ORDER NO. Right-hand rotation
5 pcs. router bit set	Ø8-10mm	Ø15-20-25-30-35mm	<b>537.000.05</b>
12 pcs. router bit set	Ø8-10mm	Ø10-12-14-15-16-18-20-22-25-26-30-35mm	<b>537.000.12</b>
7 pcs. router bit set	Ø3/8"	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"	<b>537.000.07</b>
16 pcs. router bit set	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"	<b>537.000.16</b>

# Rosette cutters



## 531

**HW** **Z2** **RH**

D mm	L mm	S mm	ORDER NO. Right-hand rotation
54	73,5	9,5	<b>531.541</b>
54	71,3	9,5	<b>531.542</b>
54	67,3	9,5	<b>531.543</b>
54	72,3	9,5	<b>531.544</b>
69,85	76,5	9,5	<b>531.701</b>
69,85	74	9,5	<b>531.702</b>

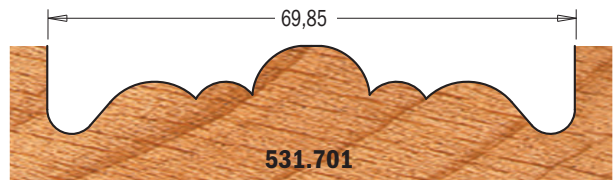
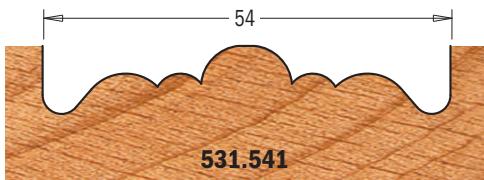
**TECHNICAL DETAILS:**

- Super strength HS steel
- 2 HW precision ground cutting edges [Z2]
- Parallel exagonal shank
- Right-hand rotation (RH)

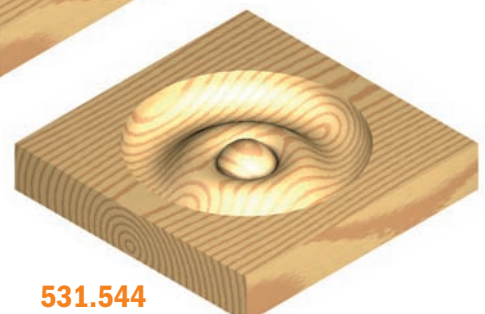
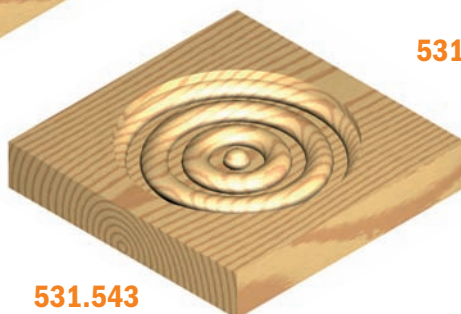
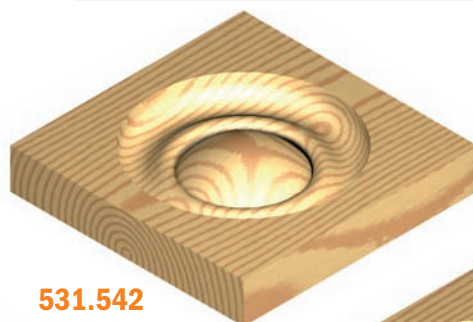
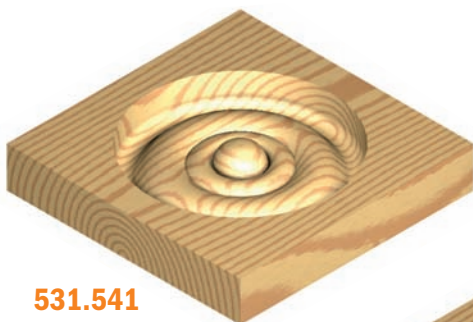


**APPLICATION:** for use on standing drilling machines and drilling power tools at low RPM.

**WARNING: Max 1800 RPM.**

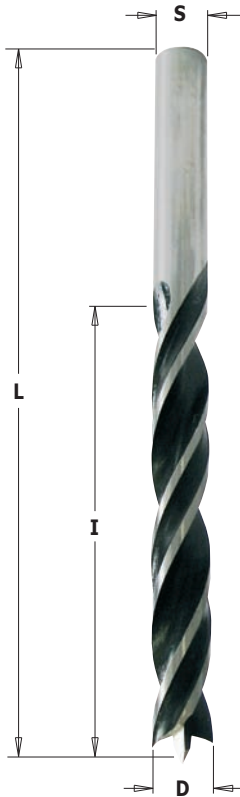


Drawings are 1:1 scale





## Brad point bits



**517**

HS Z2 RH

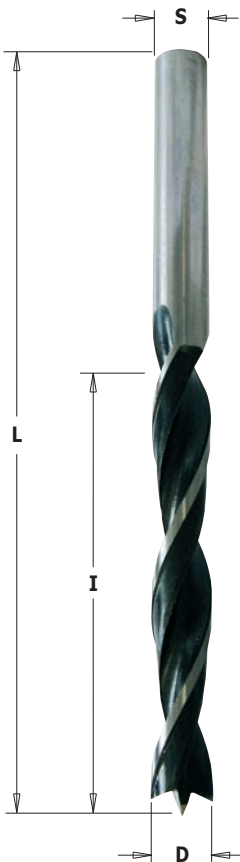
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	33	61	3	<b>517.030.51</b>
4	43	75	4	<b>517.040.51</b>
5	52	86	5	<b>517.050.51</b>
6	57	93	6	<b>517.060.51</b>
7	69	109	7	<b>517.070.51</b>
8	75	117	8	<b>517.080.51</b>
9	80	120	9	<b>517.090.51</b>
10	80	120	10	<b>517.100.51</b>
11	89	142	8	<b>517.110.51</b>
12	96	151	8	<b>517.120.51</b>
13	96	151	8	<b>517.130.51</b>
14	96	151	10	<b>517.140.51</b>
15	100	160	10	<b>517.150.51</b>
16	100	160	10	<b>517.160.51</b>

**TECHNICAL DETAILS:**

- Super strength HS steel
- Precision balanced center point
- 2 precision ground cutting edges [Z2]
- 4 flutes

**APPLICATION:** used for drilling holes in soft and hardwood.  
**Long-lasting cutting performance.**

## Brad point bits



**517**

SP Z2 RH

D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
3	33	61	3	<b>517.030.31</b>
4	43	75	4	<b>517.040.31</b>
5	52	86	5	<b>517.050.31</b>
6	57	93	6	<b>517.060.31</b>
7	69	109	7	<b>517.070.31</b>
8	75	117	8	<b>517.080.31</b>
9	80	120	9	<b>517.090.31</b>
10	80	120	10	<b>517.100.31</b>
11	89	142	8	<b>517.110.31</b>
12	96	151	8	<b>517.120.31</b>
13	96	151	8	<b>517.130.31</b>
14	96	151	8	<b>517.140.31</b>
15	100	160	10	<b>517.150.31</b>
16	100	160	10	<b>517.160.31</b>
18	130	180	10	<b>517.180.31</b>
20	140	200	10	<b>517.200.31</b>

**TECHNICAL DETAILS:**

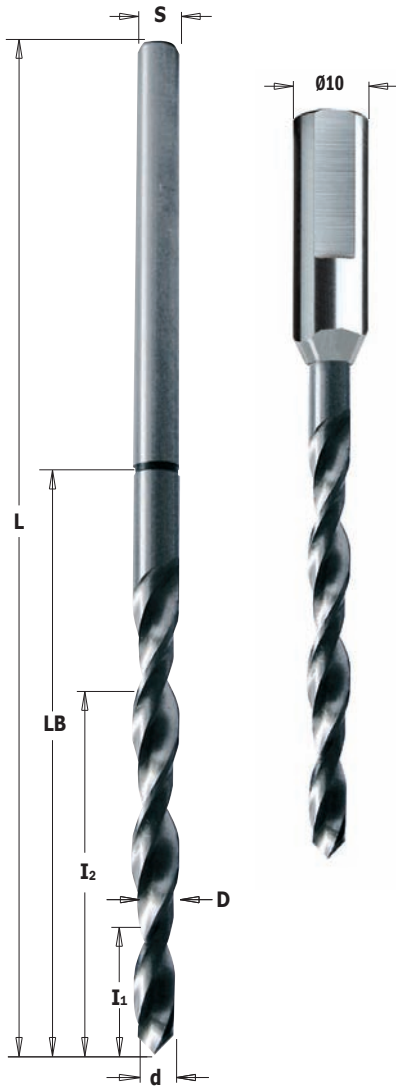
- Super strength SP steel
- Precision balanced center point
- 2 precision ground cutting edges [Z2]
- 2 flutes

**APPLICATION:** used for drilling holes in softwood.

# Drill bits for "ANUBA" hinges



HS Z2 RH



## 515

ANUBA no.	d mm	D-S mm	I <sub>1</sub> mm	I <sub>2</sub> mm	LB mm	L mm	ORDER NO. Right-hand rotation
9,5	3,8	5,2	18	56	74	132	<b>515.095.51</b>
11	4,8	5,7	17	60	76	145	<b>515.110.51</b>
13	5,8	6,7	18	68	83	155	<b>515.130.51</b>
14,5	6,3	7,2	19	75	89	165	<b>515.145.51</b>
16	6,7	7,7	25	85	100	165	<b>515.160.51</b>
18	7,7	8,7	25	85	102	165	<b>515.180.51</b>
20	8,8	9,8	25	90	104	165	<b>515.200.51</b>

### Parallel shank with driving flat

ANUBA no.	d mm	D mm	S mm	I <sub>1</sub> mm	LB mm	L mm	ORDER NO. Right-hand rotation
9	3,8	5	10x35	20	40	75	<b>515.091.51</b>
11	4,2	5,7	10x35	20	45	80	<b>515.111.51</b>
13	5,2	6,5	10x35	15	50	85	<b>515.131.51</b>
14	5,5	7	10x35	15	55	90	<b>515.141.51</b>
16	6	7,7	10x35	15	60	95	<b>515.161.51</b>
18	6,6	8,2	10x35	20	70	105	<b>515.181.51</b>
20	7,2	8,7	10x35	20	80	115	<b>515.201.51</b>

#### TECHNICAL DETAILS:

- Super strength steel
- HS steel
- 2 HS precision ground cutting edges [Z2]
- 2 spiral flutes

**APPLICATION:** used for drilling blind holes in soft and hardwood.



# Brad point bit sets

HS SP Z2 RH



## 517

### 5 piece brad point bit set

An economical collection of the five most popular sized brad points - 4, 5, 6, 8 and 10mm. Safely packaged in a reusable plastic case for easy storage and inventory.

### 8 piece brad point bit set

A complete collection of the most popular brad points in the most requested sizes - 3, 4, 5, 6, 7, 8, 9 and 10mm. Safely packaged in a reusable plastic case for easy storage and inventory.

DESCRIPTION	Z	BIT DIAMETER	ORDER NO. Right-hand rotation
5 pcs. HS brad point set	4 flutes	(Ø4-5-6-8-10mm)	<b>517.001.01</b>
5 pcs. SP brad point set	2 flutes	(Ø4-5-6-8-10mm)	<b>517.001.00</b>
8 pcs. HS brad point set	4 flutes	(Ø3-4-5-6-7-8-9-10mm)	<b>517.002.01</b>
8 pcs. SP brad point set	2 flutes	(Ø3-4-5-6-7-8-9-10mm)	<b>517.002.00</b>

## Brad point bits

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

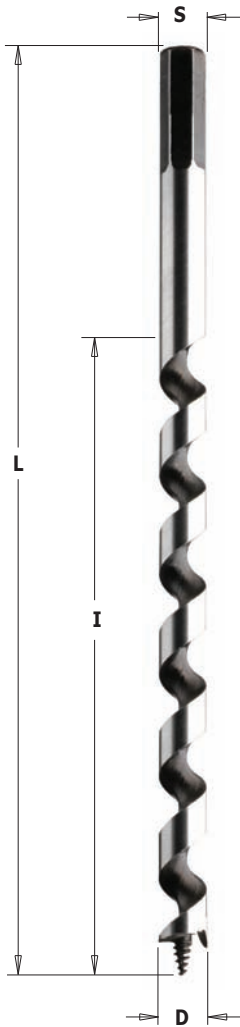
Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

HS Z1 V1 RH



### 542

D mm	I mm	L mm	S	ORDER NO. Right-hand rotation
6	155	230	exagonal	<b>542.060.51</b>
8	155	230	exagonal	<b>542.080.51</b>
10	155	230	exagonal	<b>542.100.51</b>
12	155	230	exagonal	<b>542.120.51</b>
14	155	230	exagonal	<b>542.140.51</b>
16	155	230	exagonal	<b>542.160.51</b>
18	155	230	exagonal	<b>542.180.51</b>
20	155	230	exagonal	<b>542.200.51</b>

### 535

HS Z1 V1 RH

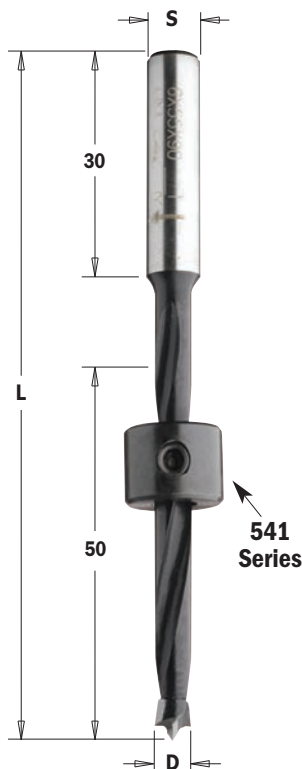
D mm	I mm	L mm	S	ORDER NO. Right-hand rotation
8	360	460	exagonal	<b>535.080.51</b>
10	360	460	exagonal	<b>535.100.51</b>
12	360	460	exagonal	<b>535.120.51</b>
14	360	460	exagonal	<b>535.140.51</b>
16	360	460	exagonal	<b>535.160.51</b>
18	360	460	exagonal	<b>535.180.51</b>
20	360	460	exagonal	<b>535.200.51</b>

**TECHNICAL DETAILS:**

- Super strength HS steel
- Precision balanced centre point
- 1 precision ground cutting edge (Z1)
- 1 spiral flute
- 1 spur (V1)
- Long-lasting cutting performance

**APPLICATION:** used for drilling deep holes in soft and hardwood.

## Brad point bits



### 540

HW Z2 V2 RH

D mm	L mm	S mm	ORDER NO. Right-hand rotation
5	90	8x30	<b>540.050.11</b>
6	90	8x30	<b>540.060.11</b>
8	90	8x30	<b>540.080.11</b>
10	90	8x30	<b>540.100.11</b>
12	90	8x30	<b>540.120.11</b>

**TECHNICAL DETAILS:**

- Super strength steel - HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2] - 2 negatively ground spurs [V2] - 2 spiral flutes

**APPLICATION:** for use on hand-held router to drill blind holes in solid wood, wood composites or plastic laminates.

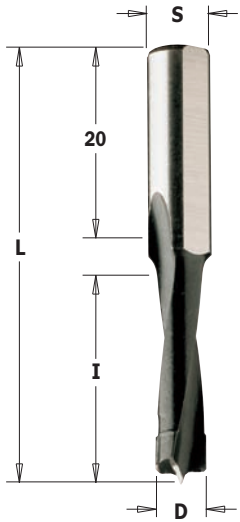
### 541 Stop collars

D mm	ORDER NO.
5	<b>541.050.00</b>
6	<b>541.060.00</b>
8	<b>541.080.00</b>
10	<b>541.100.00</b>
12	<b>541.120.00</b>

Stop collars with precision clamping nut and key for quick and easy assembly.



## Dowel drills for Mafell® and hand-held routers



**312**

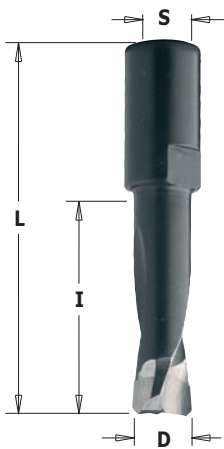


D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
5	30	58	8	<b>312.050.11</b>
6	30	58	8	<b>312.060.11</b>
8	30	58	8	<b>312.080.11</b>
10	30	58	8	<b>312.100.11</b>
12	30	58	8	<b>312.120.11</b>
14	30	58	8	<b>312.140.11</b>
16	30	58	8	<b>312.160.11</b>

These drill bits are made with high-strength steel in order to work with high speed rotation. They are perfect to bore all materials like solid wood, wood and composites, plastic and laminated with **hand-held routers and MAFELL® machine model DD40.**

- TECHNICAL DETAILS:**
- Super strength steel
  - Spiral portion coated with black P.T.F.E.
  - HW precision balanced centre point
  - 2 HW precision ground cutting edges [Z2]
  - 2 spiral flutes
  - Parallel shank with driving flat and length adjusting screw.

## Router bits for Domino® Joining machines by Festool®



**380**



D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation
•4	11	38	M6x0,75	<b>380.040.11</b>
5	20	49	M6x0,75	<b>380.050.11</b>
6	28	49	M6x0,75	<b>380.060.11</b>
8	28	49	M6x0,75	<b>380.080.11</b>
10	28	49	M6x0,75	<b>380.100.11</b>

• HWM

- TECHNICAL DETAILS:**
- Premium quality super-strength steel
  - Spiral portion coating with black P.T.F.E.
  - Extra-fine micrograin carbide spiral portion
  - 2 cutting edges [Z2]
  - 2 spiral flutes

**APPLICATION:** for use on “Domino®” machines to rout slots on solid wood and wood composites.



# Brad point bits

Saw blades

Tools with bore & knives

Router Bits & Sets

CNC Router Cutter & Chucks

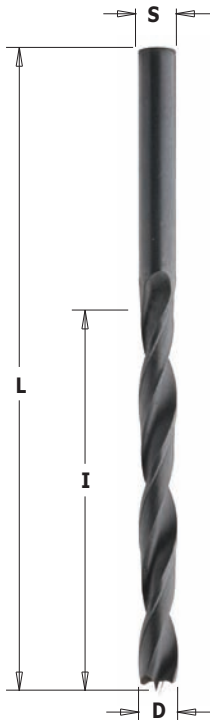
Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets



## 516

HS Z2 RH LH

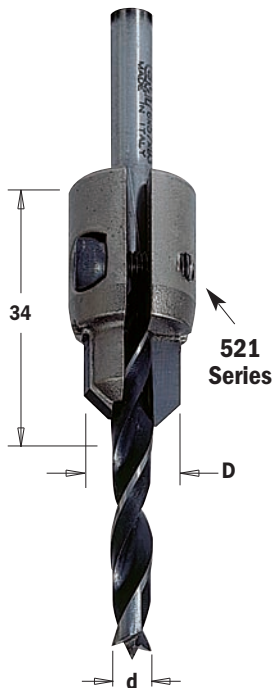
D mm	I mm	L mm	S mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	24	49	2	<b>516.020.51</b>	<b>516.020.52</b>
2,5	30	57	2,5	<b>516.025.51</b>	<b>516.025.52</b>
3	33	61	3	<b>516.030.51</b>	<b>516.030.52</b>
3,5	39	70	3,5	<b>516.035.51</b>	<b>516.035.52</b>
4	43	75	4	<b>516.040.51</b>	<b>516.040.52</b>
4,5	47	80	4,5	<b>516.045.51</b>	<b>516.045.52</b>
5	52	86	5	<b>516.050.51</b>	<b>516.050.52</b>
5,5	57	93	5,5	<b>516.055.51</b>	<b>516.055.52</b>
6	57	93	6	<b>516.060.51</b>	<b>516.060.52</b>
7	69	109	7	<b>516.070.51</b>	<b>516.070.52</b>
8	75	117	8	<b>516.080.51</b>	<b>516.080.52</b>
9	81	125	9	<b>516.090.51</b>	<b>516.090.52</b>
10	87	133	10	<b>516.100.51</b>	<b>516.100.52</b>

**TECHNICAL DETAILS:**

- Super strength steel
- Precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Common shank and cutting diameter (S=D)

**APPLICATION:** used for drilling holes in soft and hardwood.

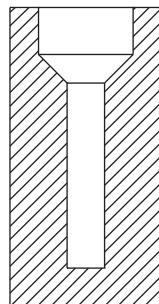
# Adjustable countersink



## 521.001

HW Z2 RH

d mm	D mm	ORDER NO. Right-hand rotation
from 3 to 7	from 11 to 15	<b>521.001.11</b>



Twist drills	Overall diameter
Ø3	Ø11
Ø4	Ø12
Ø5	Ø13
Ø6	Ø14
Ø7	Ø15

Spare parts



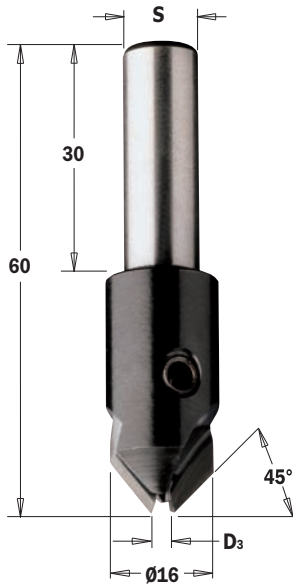
**TECHNICAL DETAILS:**

- Premium quality HW
- 2 HW precision ground cutting edges [Z2]
- Quick and easy drill change

**APPLICATION:** for use with spiral bits featuring parallel shank.

**Twist drills not included.**

## Countersinks with parallel shank



**521**

**HW** **Z2** **RH** **LH**

<b>D<sub>3</sub></b> mm	<b>S</b> mm	<b>ORDER NO.</b> Right-hand rotation	<b>ORDER NO.</b> Left-hand rotation
3	10x30	<b>521.030.11</b>	<b>521.030.12</b>
4	10x30	<b>521.040.11</b>	<b>521.040.12</b>
5	10x30	<b>521.050.11</b>	<b>521.050.12</b>
6	10x30	<b>521.060.11</b>	<b>521.060.12</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 HW precision ground cutting edges [Z2]
- Quick and easy drill change

**APPLICATION:** for use with spiral bits featuring parallel shank.

Spare parts



990.001.00

Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets

## Countersinks with threaded shank



**350**

**HW** **Z2** **RH** **LH**

<b>D<sub>3</sub></b> mm	<b>S</b> mm	<b>ORDER NO.</b> Right-hand rotation	<b>ORDER NO.</b> Left-hand rotation
3	M10/Ø11x4	<b>350.030.11</b>	<b>350.030.12</b>
4	M10/Ø11x4	<b>350.040.11</b>	<b>350.040.12</b>
5	M10/Ø11x4	<b>350.050.11</b>	<b>350.050.12</b>

**TECHNICAL DETAILS:**

- Super strength steel
- 2 HW precision ground cutting edges [Z2]
- Quick and easy drill change

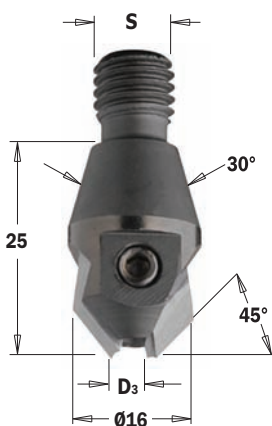
**APPLICATION:** for use with spiral bits featuring parallel shank.

Spare parts



990.001.00

## Countersinks with threaded shank



**351**

**HW** **Z2** **RH** **LH**

<b>D<sub>3</sub></b> mm	<b>S</b> mm	<b>ORDER NO.</b> Right-hand rotation	<b>ORDER NO.</b> Left-hand rotation
3	M10/30°	<b>351.030.11</b>	<b>351.030.12</b>
4	M10/30°	<b>351.040.11</b>	<b>351.040.12</b>
5	M10/30°	<b>351.050.11</b>	<b>351.050.12</b>

**TECHNICAL DETAILS:**

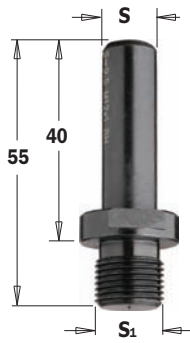
- Super strength steel
- 2 HW precision ground cutting edges [Z2]
- Quick and easy drill change

**APPLICATION:** for use with spiral bits featuring parallel shank.

Spare parts



990.001.00



## Arbors

797

S mm	S <sub>1</sub> mm	ORDER NO.
8	M10x1,5	797.580.00
10	M12x1	797.100.00
12	M12x1	797.120.00
12,7	M12x1	797.127.00

### TECHNICAL DETAILS:

- Super strength steel
- Precisely machined for accuracy.



## Collet chucks

796

S <sub>1</sub> mm	D <sub>3</sub> _For collet diameter mm	L mm	ORDER NO.
M10	6 - 6,35 - 8 - 9,5	38	796.100.00
M12x1	6 - 6,35 - 8 - 9,5	38	796.000.00
M12x1	10 - 12 - 12,7	47	796.121.00

### TECHNICAL DETAILS:

- Super strength steel
- Precisely machined for accuracy.

Collet not included.



## Router chuck extensions with collet

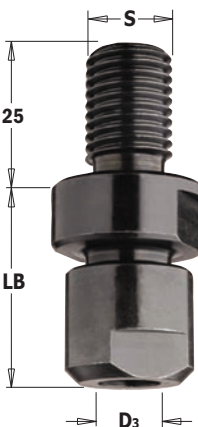
796.001/002

S mm	D <sub>3</sub> _Collet diameter mm	L mm	ORDER NO.
12	8	81	796.002.01
12	12	88	796.002.00
12,7	6,35	81	796.001.01
12,7	12,7	88	796.001.00

### TECHNICAL DETAILS:

- Super strength steel
- Precisely machined for accuracy.

Collet included



## Collet chucks

796

S mm	D <sub>3</sub> _For collet diameter mm	LB mm	ORDER NO.
M14x2	6 - 6,35 - 8 - 9,5	32	796.140.00
M14x2	10 - 12 - 12,7	38	796.141.00
M16x2	6 - 6,35 - 8 - 9,5	32	796.160.00
M16x2	10 - 12 - 12,7	38	796.161.00

### TECHNICAL DETAILS:

- Super strength steel
- Precisely machined for accuracy.

Collet not included



## Collets

796.500/600

D <sub>3</sub> mm	ORDER NO.	D <sub>3</sub> mm	ORDER NO.
6	796.560.00	10	796.600.00
6,35	796.564.00	12	796.620.00
8	796.580.00	12,7	796.627.00
9,5	796.595.00		

**Spare part and Accessories**



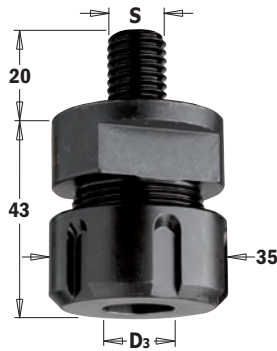
**Arbors**

**798**

S mm	S <sub>1</sub> mm	ORDER NO.
M10	M10	798.101.00
M10	M12x1	798.102.00
M12x1	M10	798.121.00
M12x1	M12x1	798.122.00

**TECHNICAL DETAILS:**

- Super strength steel
- Precisely machined for accuracy.



**“ER20” chucks**

**796**

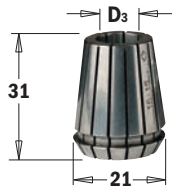
S mm	D_For collet diameter mm	LB mm	ORDER NO.
M12x1,75	3 ~ 12,7	43	796.122.00
M14x2	3 ~ 12,7	43	796.142.00
M16x2	3 ~ 12,7	43	796.162.00

**Spare parts:** 992.483.03 M25x1,5mm clamping nut  
991.483.00 “ER20” key

**TECHNICAL DETAILS:**

Super strength steel. Precisely machined for accuracy.

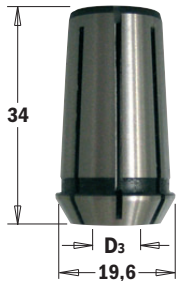
**Collet not included**



**“ER20” precision collets for 796.122/142/162 items**

**184**

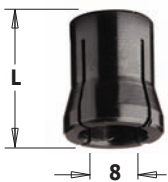
D <sub>3</sub> mm	ORDER NO.	D <sub>3</sub> mm	ORDER NO.
3	184.030.20	10	184.100.20
6	184.060.20	12	184.120.20
6,35	184.064.20	12,7	184.127.20
8	184.080.20		



**Collets for CMT1E, CMT2E, DeWalt, Felisatti, Fein, Metabo hand-held routers**

**796.8**

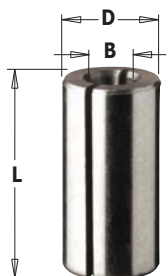
D <sub>3</sub> mm	ORDER NO.	D <sub>3</sub> mm	ORDER NO.
6	796.860.00	10	796.900.00
6,35	796.864.00	12	796.920.00
8	796.880.00	12,7	796.927.00
9,5	796.895.00		



**Collets for Freud/Casals hand-held routers**

**796.780**

D <sub>3</sub> mm	L mm	ORDER NO.
8	14	796.780.00

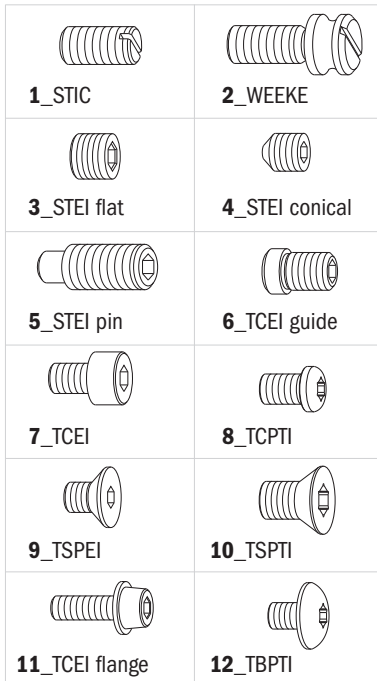


**Bushings**

**799**

B mm	D mm	L mm	ORDER NO.	B mm	D mm	L mm	ORDER NO.
6	8	25	799.060.00	8	10	25	799.280.00
6	9,5	25	799.160.00	8	12	25	799.380.00
6	12	25	799.260.00	8	12,7	25	799.480.00
6,35	8	25	799.064.00	9,5	12,7	25	799.001.00
6,35	9,5	25	799.164.00	10	12	25	799.100.00
6,35	12,7	25	799.264.00	13	16	45	799.130.00
8	9,5	25	799.180.00				





## Screws

**990**

D mm	REFERENCE	ORDER NO.	D mm	REFERENCE	ORDER NO.
M5x8	1_STIC	990.008.00	1/8Wx1/2"	7_TCEI	990.059.00
M5x10	1_STIC	990.003.00	M5x10	7_TCEI	990.010.00
M5x11,5x17	2_WEEKE	990.088.00	M4x6	9_TSPEI	990.004.00
M4x20	3_STEI	990.091.00	M5x12	9_TSPEI	990.055.00
M5x4	3_STEI	990.015.00	M5x12x18	9_TSPEI	990.063.00
M5x5 flat	3_STEI	990.001.00	M5x8	9_TSPLIC	990.067.00
M3x3	4_STEI	990.005.00	M6x7,5	9_TSPEI	990.083.00
M5x5 conical	4_STEI	990.002.00	M1/4"x7/8"	9_TSPEI	990.097.00
M6x6	4_STEI	990.007.00	1/8Wx3/8"	11_TCEI	990.058.00
M6x8	5_STEI	990.087.00	<b>Torx screw</b>		
M6x16	5_STEI	990.066.00	M3x4x5,7	8_TCPTI	990.082.00
M6x20	5_STEI	990.084.00	M4x4,5x8	8_TCPTI	990.094.00
M6x25	5_STEI	990.085.00	M2,5x3x4,5	10_TSPTI	990.070.00
M8x16	5_STEI	990.064.00	M2,5x4,5x6	10_TSPTI	990.071.00
M8x12	5_STEI	990.065.00	M4x2x3	10_TSPTI	990.079.00
M8x20	5_STEI	990.086.00	M5x4,75x6,5	10_TSPTI	990.080.00
M5x5 D6	6_STEI	990.068.00	M5x5x8	10_TSPTI	990.093.00
M2,5x6x8,5	7_TCEI	990.062.00	M3,5x3,5x6	12_TBPTI	990.072.00
M3x6	7_TCEI	990.051.00	M3,5x5x7,2	12_TBPTI	990.073.00
M3x10	7_TCEI	990.053.00	M3,5x6x8,5	12_TBPTI	990.077.00
M3x16	7_TCEI	990.054.00	M4x3,5x5,7	12_TBPTI	990.074.00
M4x6	7_TCEI	990.052.00	M4x4x6,2	12_TBPTI	990.056.00
M4x12x16	7_TCEI	990.061.00	M4x4x6,2	12_TBPTI	990.076.00
M6x25	7_TCEI	990.098.00	M4x6x8	12_TBPTI	990.078.00
M8x25	7_TCEI	990.099.00	M4x6x8,2	12_TBPTI	990.075.00

## Keys for screws

**991**


DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
<b>Hex keys</b>		6mm hex key	991.066.00
3/32" hex key (for 1/8W screws)	991.057.00	<b>Torx key</b>	
1,5mm hex key (for M3 screws)	991.056.00	T8 Torx key	991.063.00
2mm hex key	991.060.00	T9 Torx key	991.069.00
2,5mm hex key (for M4 screws)	991.062.00	T15 Torx key	991.061.00
3mm hex key	991.067.00	T20 Torx key	991.072.00
4mm hex key	991.064.00	T25 Torx key	991.073.00
5mm hex key	991.065.00	T30 Torx key	991.071.00

## Shields for bearings

**990.422/423**


DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
Ø9,5mm shield	990.422.00	Ø12,7mm shield	990.423.00

## Nuts for arbors

**990.0**


DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
Nut for M4 thread arbor	990.092.00	Nut for M8 thread arbor	990.020.00
Nut for M6 thread arbor	990.095.00	Nut for M12x1,25mm thread arbor	990.022.00

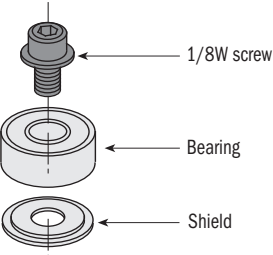
## Stop collars

**541**


B mm	ORDER NO.	B mm	ORDER NO.
6	541.003.00	9,5	541.006.00
6,35	541.001.00	12	541.005.00
8	541.004.00	12,7	541.002.00

**Spare part and Accessories**

**791**



**Be Sure:** to keep the black washer right side up to correspond with the bearing rotation during reassembly.



**\*10° Delrin® conical bearing**



**\*\*Delrin® triangular bearing**

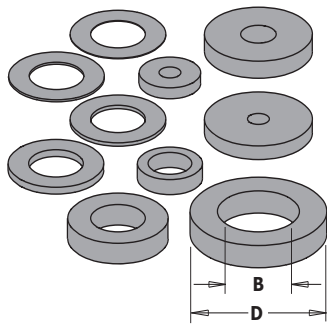


**\*\*\*Delrin® cylindrical bearings**

**Bearings**

D		B		Thickness mm	ORDER NO.
mm	inches	mm	inches		
6,35	1/4	3,17	1/8	2,8	<b>791.035.00</b>
9,5	3/8	4,76	3/16	3,2	<b>791.002.00</b>
12,7	1/2	4,76	3/16	5	<b>791.003.00</b>
12,7	1/2	6,35	1/4	4,8	<b>791.010.00</b>
13		5		4	<b>791.022.00</b>
13		6		5	<b>791.023.00</b>
15		6		5	<b>791.024.00</b>
15,8	5/8	4,76	3/16	5	<b>791.018.00</b>
15,8	5/8	6,35	1/4	5	<b>791.009.00</b>
16		5		5	<b>791.006.00</b>
16		8		5	<b>791.025.00</b>
19	3/4	4,76	3/16	7,5	<b>791.019.00</b>
19		6		6	<b>791.007.00</b>
19	3/4	6,35	1/4	7	<b>791.004.00</b>
19		8		6	<b>791.034.00</b>
19	3/4	12,7	1/2	4	<b>791.011.00</b>
22		8		6	<b>791.012.00</b>
22		8		7	<b>791.005.00</b>
22,2	7/8	4,76	3/16	7,5	<b>791.017.00</b>
22,2	7/8	9,52	3/8	7	<b>791.021.00</b>
22,2	7/8	12,7	1/2	7	<b>791.013.00</b>
24		8		8	<b>791.036.00</b>
28		12		8	<b>791.026.00</b>
28,5	1-1/8	4,76	3/16	8,4	<b>791.014.00</b>
28,5	1-1/8	8		8,5	<b>791.030.00</b>
28,5	1-1/8	12,7	1/2	8	<b>791.027.00</b>
31,7	1-1/4	8		5	<b>791.033.00</b>
31,7	1-1/4	12,7	1/2	10	<b>791.015.00</b>
34,9	1-3/8	4,76	3/16	11,5	<b>791.016.00</b>
34,9	1-3/8	8		11,6	<b>791.031.00</b>
34,9	1-3/8	12,7	1/2	11	<b>791.029.00</b>
37		12		12	<b>791.028.00</b>
38,1	1-1/2	12,7	1/2	13,3	<b>791.020.00</b>
62		30		16	<b>791.051.00</b>
62		35		14	<b>791.052.00</b>
80		40		18	<b>791.054.00</b>
80		50		16	<b>791.053.00</b>
<b>10° Delrin® conical bearings</b>					
19	3/4	4,76	3/16	6,8	<b>791.041.00*</b>
<b>Delrin® triangular bearings</b>					
12,7	1/2	4,76	3/16	5,8	<b>791.042.00**</b>
19	3/4	4,76	3/16	7	<b>791.043.00**</b>
<b>Delrin® cylindrical bearings</b>					
12,7	1/2	4,76	3/16	5	<b>791.044.00***</b>
15,87	5/8	4,76	3/16	7,2	<b>791.045.00***</b>
19,05	3/4	4,76	3/16	6,8	<b>791.046.00***</b>

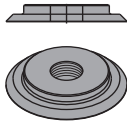
**NEW**



**Shields for assembly**

**541**

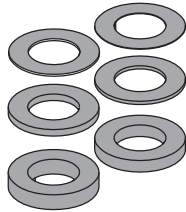
B mm	D mm	Thickness mm	ORDER NO.	B mm	D mm	Thickness mm	ORDER NO.
3,25	9	1,6	<b>541.550.00</b>	8	14,7	5,8	<b>541.519.00</b>
3,25	15,8	2	<b>541.552.00</b>	12	20	2	<b>541.512.00</b>
5,2	15,8	2,5	<b>541.551.00</b>	12	20	3	<b>541.511.00</b>
6,4	9,52	2,2	<b>541.514.00</b>	12	21	0,1	<b>541.513.00</b>
8	14	0,1	<b>541.515.00</b>	12	21	0,3	<b>541.520.00</b>
8	14	0,3	<b>541.516.00</b>	12	21	1,59	<b>541.521.00</b>
8	14	0,5	<b>541.517.00</b>	12	21	3,18	<b>541.522.00</b>
8	14	1	<b>541.518.00</b>	12	21	6,16	<b>541.523.00</b>
8	14,7	3	<b>541.500.00</b>	12	21	1	<b>541.524.00</b>
8	14,7	4	<b>541.501.00</b>	12	21	0,5	<b>541.525.00</b>



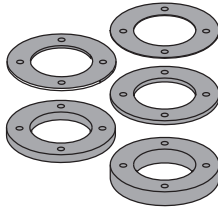
## Threaded rings for 694.001 cutter heads

695.996

DESCRIPTION	ORDER NO.
M4 threaded ring (Ø10x1,6mm)	695.996.01
M4 threaded ring (Ø12x1,7mm)	695.996.02



SPACER SETS

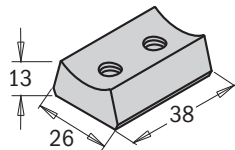
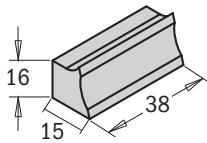


SPACER SETS WITH PIN HOLE

## Spacers set

695.998

DESCRIPTION	FOR CUTTER HEAD	ORDER NO.
Ø50x9x30mm spacer set	694.015	695.998.01
Ø50x9x31,75mm spacer set	694.015	695.998.02
Ø55x9x35mm spacer set	694.015	695.998.03
Ø60x9x40mm spacer set	694.015	695.998.04
Ø70x9x50mm spacer set	694.015	695.998.05
Ø50x33x30mm spacer set	694.005	695.998.11
Ø50x33x31,75mm spacer set	694.005	695.998.12
Ø55x33x35mm spacer set	694.005	695.998.13
Ø60x33x40mm spacer set	694.005	695.998.14
Ø70x22x50mm spacer set	694.005	695.998.15
<b>Pin Hole</b>		
Ø65x8x30mm spacer set	694.001 and 694.015	695.998.21
Ø65x8x31,75mm spacer set with pin hole	694.001 and 694.015	695.998.22
Ø65x8x35mm spacer set with pin hole	694.001 and 694.015	695.998.23
Ø70x8x40mm spacer set with pin hole	694.001 and 694.015	695.998.24N
Ø70x8x50mm spacer set with pin hole	694.001 and 694.015	695.998.25N

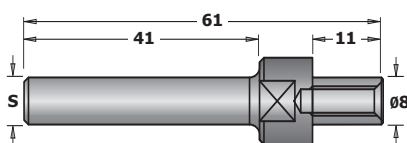
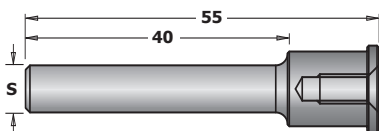
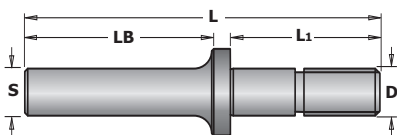


## Wedges for cutter heads

651-692-693-695

DESCRIPTION	ORDER NO.	DESCRIPTION	ORDER NO.
<b>Wedge for cutter heads</b>			
38x15x16mm wedge	692.999.01	31x11x9,5mm wedge	695.999.31
38x22,5x13mm wedge	692.999.02	38x11x9,5mm wedge	695.999.38
38x26x13mm wedge	693.999.01	39x11x9,5mm wedge	695.999.39
38x28x12,5mm wedge	693.999.02	41x11x9,5mm wedge	695.999.41
38x15x16mm wedge (for cutter heads)	695.018.01	42x11x9,5mm wedge	695.999.42
7x11x9,5mm wedge	695.999.07	46x11x9,5mm wedge	695.999.46
16x11x9,5mm wedge	695.999.16	49x11x9,5mm wedge	695.999.49
17x11x9,5mm wedge	695.999.17	53x11x9,5mm wedge	695.999.53
22x11x9,5mm wedge	695.999.22	<b>Wedges for router bits with knives</b>	
23x11x9,5mm wedge	695.999.23	D=8x20mm wedge	651.999.01
23x11x9,5mm wedge	695.999.24	D=10-12-12,7x30mm wedge	651.999.02
		D=12-12,7x50mm wedge	651.999.03

7/8/924



## Slot cutter arbors

D	L <sub>1</sub>	LB	L	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
mm	mm	mm	mm	S=Ø6mm	S=Ø6,35mm	S=Ø8mm	S=Ø12mm	S=Ø12,7mm
<b>Arbors for 822 slot cutters</b>								
M8	26	32	61	724.060.00	824.064.00	924.080.00		
M8	40	38	86			924.083.00		
M8	26	38	67,5				924.120.00	824.127.00
M8	40	38	81				924.128.00	824.128.00
M12	54	38	97				924.129.00	824.129.00
M8	47	38	97				924.130.00	824.130.00
M8	29,75	32	71				924.131.00	824.131.00
M8	35,5	28,5	71				924.132.00	824.132.00
M8	23	41	71				924.133.00	824.133.00
M12	39,5	38	85				924.134.00	824.134.00
M12	54,5	38	100					824.135.00
<b>Arbors for 823 slot cutters with counterbore</b>								
		40	55	724.061.00	824.061.00	924.081.00		824.121.00
8	11	41	61	724.062.00	824.062.00	924.082.00		824.122.00

# Power tools, jigs accessories & display cabinets



Products	Page
Power tools	258~262
Router tables	263~265
Superjaws portable clamping system	266
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Eclipse & circle cutting jig	270
Kitchen worktop jig	271
Boring systems	272~275
Pocket-Pro joinery system	276
Inlay kit	277
3D router carver system	278~280
Organizer	280
Blade & bit cleaner	281
Diamond whetstones	282~283
Digital angle gauge & finder	284
Display cabinets	285~289

# 305mm compound mitre saw with upper table

THE IDEAL MITRE SAW FOR THE PROFESSIONAL WOODWORKER

**MADE IN ITALY**

**CMT6**



**ERGONOMIC HANDLE**

for maximum comforts and control

**BELT DRIVEN**

induction motor offers excellent noiseless performance

**FINE DEPTH ADJUSTMENT**

of the upper table for precision cuts

**REINFORCED**

motor head support for stability

**4000 RPM**

for higher cutting speed and better finishing

**REMOVABLE FENCE**

for easy angular cut setup

**EASY ROTARY TABLE SETUP**

with preset stops in the most common positions

**MAXIMUM CAPACITY CUTTING**

<b>Upper table</b>	<b>90°+90°</b>	<b>45°+90°</b>	<b>90°+45°</b>	<b>45°+45°</b>
H max 66mm	0° 150x102(h)mm Max H 45x125(h)mm	45° 102x97(h)mm	45° 150x66(h)mm	45°+45° 53x43(h)mm

**Technical features and specifications**

- High power, low-noise, asynchronous induction motor
- Circular saw blade guard
- Cutting capacity .....15°- 22,5°- 30°- 45°
- Horsepower .....1.600 Watt
- No load speed .....4.000 RPM
- Circular saw blade .....Ø 305mm - Bore=30mm
- Upper table dim. ....312x473mm
- Weight .....25 Kg

**Standard equipment**

- Length stop to make the same length cuts
- Upper table fence for high precision cuts
- Dust extraction outlet
- Wrenches
- 1 HW circular saw blade, Ø305mm, Z54
- 1 year warranty
- Instruction manual

**Worldwide technical assistance**

DESCRIPTION	ORDER NO.
305mm compound mitre saw with upper table	<b>CMT6</b>
<b>Suitable saw blades:</b>	
<b>293.028.22M</b> Ø305mm - Z28 ATB ripping saw blade	
<b>294.054.22M</b> Ø305mm - Z54 ATB ripping and crosscut saw blades	
<b>285.072.22M</b> Ø305mm - Z72 ATB fine finishing saw blades	
<b>297.096.13M</b> Ø305mm - Z96 TCG non-Ferrous metal and laminated panels saw blades	

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# 250mm compound mitre saw with upper table

THE IDEAL MITRE SAW FOR THE PROFESSIONAL WOODWORKER

**MADE IN ITALY**

**CMT5**

**ERGONOMIC HANDLE**  
for the maximum confort and control

**BELT DRIVEN**  
induction motor offers excellent performance and noiseless

**FINE DEPTH ADJUSTMENT**  
of the upper table for precision cuts

**REINFORCED**  
motor head support for stability

**4500 RPM**  
allow higher cutting speed and best finishing

**REMOVABLE FENCE**  
for easy set up of the angular cuts

**EASY SETTING OF THE ROTARY TABLE**  
with preset stops in the most common positions



## MAXIMUM CAPACITY CUTTING

<p><b>Upper table</b> Max.height 40mm</p>	<p><b>90°+90°</b> 0° 150x73(h) mm Max.height 50x108(h) mm</p>	<p><b>45°+90°</b> 45° 90x73(h) mm</p>	<p><b>90°+45°</b> 45° 150x46(h) mm</p>	<p><b>45°+45°</b> 45°+45° 48x45(h) mm</p>
---	---	---	--	---

### Technical features and specifications

- High power, low-noise, asynchronous induction motor
- Circular saw blade guard
- Cutting capacity .....15°- 22,5°- 30°- 45°
- Horsepower .....1.200 Watt
- No load speed .....4.500 RPM
- Circular saw blade .....Ø 250mm - Bore=30mm
- Upper table dim. ....312x473mm
- Weight .....22 Kg

### Standard equipment

- Length stop to make the same length cuts
- Upper table fence for high precision cuts
- Dust extraction outlet
- Wrenches
- 1 Ø250mm, Z40 HW circular saw blade (order no. **CMT 285.040.10M**)
- 1 year warranty
- Instruction manual

### Worldwide technical assistance

DESCRIPTION	ORDER NO.
250mm compound mitre saw with upper table	<b>CMT5</b>
<b>Suitable saw blades:</b>	
<b>290.250.24M</b> Ø250mm - Z24 ATB ripping saw blades	
<b>285.040.10M</b> Ø250mm - Z40 ATB ripping and crosscut saw blades	
<b>285.060.10M</b> Ø250mm - Z60 ATB crosscut and finishing saw blades	
<b>297.080.10M</b> Ø250mm - Z80 TCG non-Ferrous metal and laminated panels saw blades	

# 1000W router



MADE IN TAIWAN

# CMT8E

Saw blades  
Tools with bore & knives  
Router Bits & Sets  
CNC Router Cutter & Chucks  
Industrial Dowel Drills  
Bits for Hand Power Tools  
Spare Parts  
Power Tools & Accessories  
Display Cabinets



**QUICK ACCESS BRUSHES**  
allows the end user to change worn brushes



**ELECTRONIC SPEED CONTROL & SOFT START**  
From 8.000 - 20.000 RPM

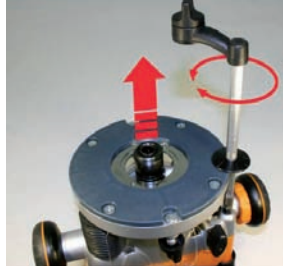
**SAFETY SWITCH SHUTTER**  
locks closed in bit change mode to prevent power on

**FULLY ENCLOSED GUARDING**  
provides maximum protection from the cut zone

**SIDE AIR VENTS**  
reduces intake of dust into the motor casing when mounted upside-down in a router table

**QUICK FIT PINS**  
for fast fitment and removal from its fence

**TOP OF TABLE HEIGHT ADJUSTMENT**



Top of table height adjustment is possible using the height winder handle from the template guide kit.



Base plate

- Standard Equipment**
- Extended baseplate with adjustable fence
  - Dust extraction outlet
  - Easy adjustment
  - Wrench for easy cutter change
  - Ø8mm collet
  - 1 year warranty
  - Instruction manual
- Worldwide technical assistance**

- Technical Specifications**
- Horsepower . . . . . 1.000 Watt
  - No load speed . . . . 8.000-20.000 RPM
  - Plunge stroke . . . . . 0-59mm
  - Collet diameter . . . . Ø6-12,7mm
  - Tool weight . . . . . 4 Kg

**Clamping nut and collets for CMT8E**

796.660.00	D = 6mm
796.664.00	D = 6,35mm
796.680.00	D = 8mm
796.700.00	D = 10mm
796.720.00	D = 12mm
796.727.00	D = 12,7mm

DESCRIPTION	ORDER NO.
Router complete with standard equipment	CMT8E

# 2000W router

**MADE IN TAIWAN**

## CMT7E

**SWITCHING FROM A PLUNGE TO A FIXED BASES ROUTER**

with rack and pinion adjustment is as simple as turning a dial



**FULLY ENCLOSED GUARDING**

provides maximum protection from the cut zone

**MULTI-FUNCTION FENCE**

provides excellent control for hand-held use and circle cutting

**QUICK FIT PINS**

for fast fitment and removal from its fence

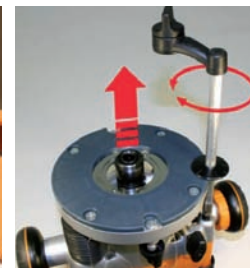
**Standard Equipment**

- Extended baseplate with adjustable fence
- Dust extraction outlet
- Infinite micro adjustment
- Wrench for easy cutter change
- Ø8 and Ø12mm collets
- 1 year warranty
- Instruction manual

*Worldwide technical assistance*

**Optional CMT7E-TGA**

- Bushes**
- Ø 7,93mm
  - 9,52mm
  - 11,1mm
  - 12,7mm
  - 15,87mm
  - 19,05mm
  - 20,2mm



**CMT7E-TGA**

Template guide kit includes 7 guide bushes, a guide plate, and alignment bush, and spacers.

**Technical specifications**

- Horsepower . . . . . 2.000 Watt
- No load speed . . . . . 8.000-20.000 RPM
- Plunge stroke . . . . . 0-68mm
- Collet diametre. . . . . Ø6-12,7mm
- Tool weight . . . . . 6 Kg

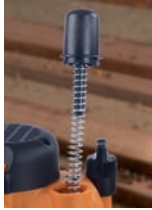
**Clamping nuts and collets for CMT7E**

- |            |            |
|------------|------------|
| 796.660.00 | D = 6mm    |
| 796.664.00 | D = 6,35mm |
| 796.680.00 | D = 8mm    |
| 796.700.00 | D = 10mm   |
| 796.720.00 | D = 12mm   |
| 796.727.00 | D = 12,7mm |



**REMOVABLE PLUNGE SPRING**

for easy bit adjustment when table mounted



**QUICK ACCESS BRUSHES**

allows the end user to change worn brushes



**SAFETY SWITCH SHUTTER**

locks closed in bit change mode to prevent power on

**SIDE AIR VENTS**

reduces intake of dust into the motor casing when mounted upside-down in a router table

**3 STAGE TURRET**

with direct reading scales for precise preset cut depths



**TOP OF TABLE HEIGHT ADJUSTMENT**



Top of table height adjustment is possible using the height winder handle from the template guide kit.



DESCRIPTION	ORDER NO.
Router complete with standard equipment	<b>CMT7E</b>



# 82mm hand planer



**MADE IN ITALY**  
**CMT3**



**PERFECT CONTROL**  
steady cutting speed is guaranteed by the ergonomically designed front handle

**SUPER FINE DEPTH ADJUSTMENT**  
with the scale height knob allowing 0-3mm micro adjustments

**STRAIGHT AND BEVELLED CUTS**  
thanks to the 0-45° tiltable guide included

**UNMATCHABLE PLANING ACCURACY**  
delivered by the aluminium front and rear shoes precision-machined after assembly and rear shoes precisely machined after assembly.



**Optional**

**CMT3-91**  
support for standing use



**Technical features and specifications**

- Powerful motor for increased performance on the hardest wood
- Knife guard
- Micro depth adjustment
- Horsepower . . . . . 850 Watt
- No load speed . . . . . 13.000 RPM
- Planing width . . . . . 82mm
- Planing depth . . . . . 0-3mm
- Max. rabbeting depth. . . . . 23mm
- Weight. . . . . 2,8 Kg

**Standard equipment**

- 0-45° tiltable guide for straight and bevelled cuts
- Scaled rabbeting guide
- Wrenches
- 2 HWM knives
- 1 year warranty
- Instruction manual

**Worldwide technical assistance**

DESCRIPTION	ORDER NO.
Hand planer with standard equipment	<b>CMT3</b>
<b>Optional:</b> Support for standing use	<b>CMT3-91</b>
<b>Spare parts:</b> 790.820 HWM spare knives (2 pcs. set)	
790.820.00 HWM spare knives (10 pcs. box)	

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

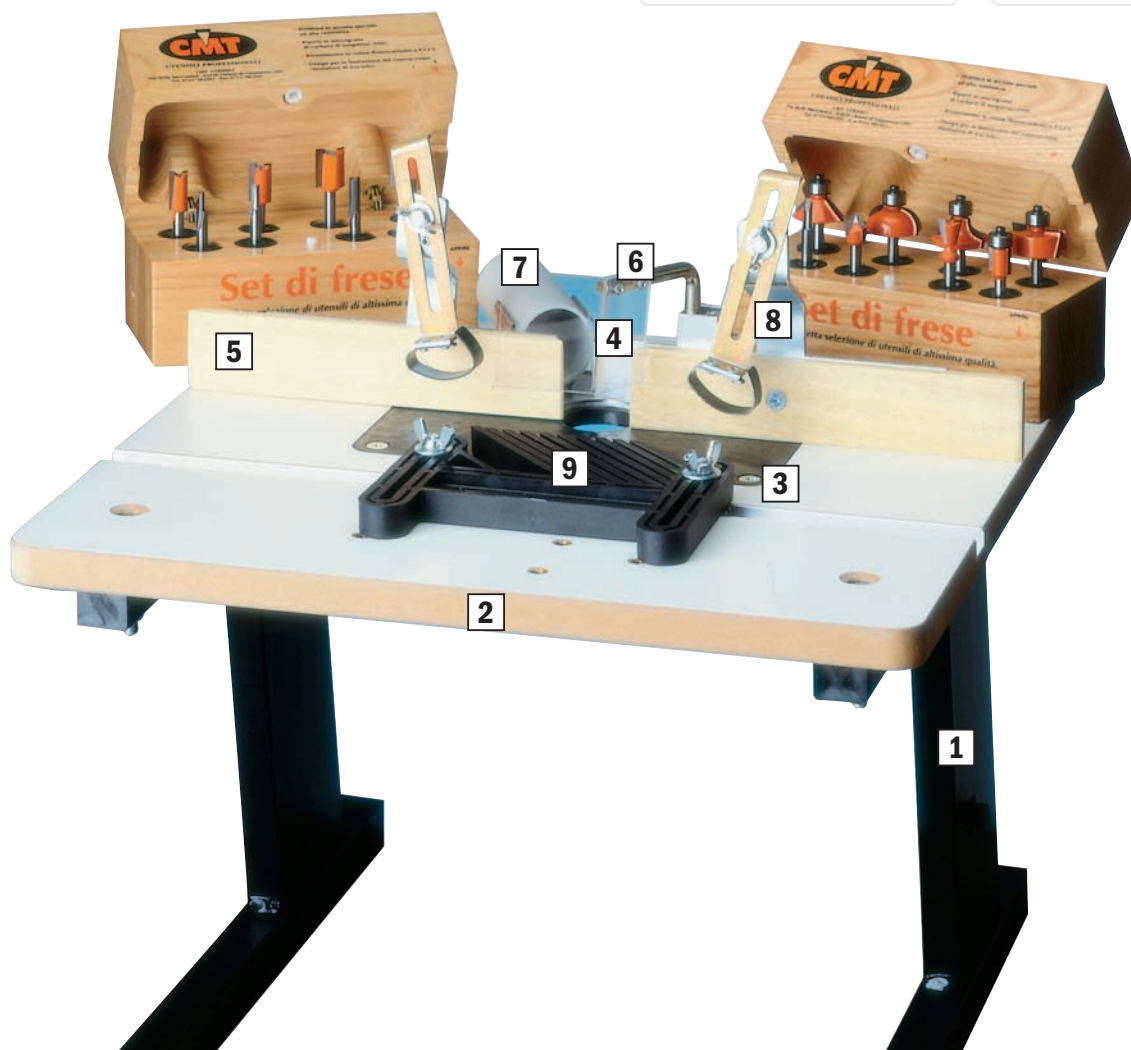
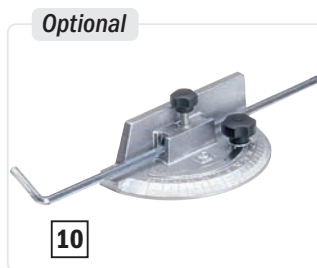
# CMT router table



# 999.200.00

Router table dimensions:  
43x40x(h)30cm. - 7,3 kg. weight

Especially designed for part-time woodworker, this compact router table offers the maximum versatility and safety, as we have them at heart. The ideal companion for beginners, this table is 30mm high and measures 430x400x20mm, with plenty of room to easily place or setup any small router models. In fact, the universal plate fits any router and any router bit up to 36mm in cutting diameter. In the end a perfect combination of quality and price.



DESCRIPTION	ORDER NO.
Complete CMT router table	999.200.00
<b>Spare parts included with the table:</b>	
1) Heavy gauge steel legs	999.200.01
2) MDF laminated wood surface (430x400x20mm)	999.200.02
3) Universal plate (235x170x8mm) for cutting diameter up to Ø36mm	999.200.03
4) Aluminium support for wooden fence	999.200.04
5) Longitudinal wood right and left	999.200.05
6) Lexan® support shield	999.200.06
7) Vacuum hose	999.200.07
8) Standing spring press	999.200.08
9) Moulded ABS feather board	999.200.09
<b>Optional:</b>	
10) Mitre gauge	999.100.10
11) Electric safety switch	999.100.11

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# CMT Professional router table system

**CMT ORANGE TOOLS™**

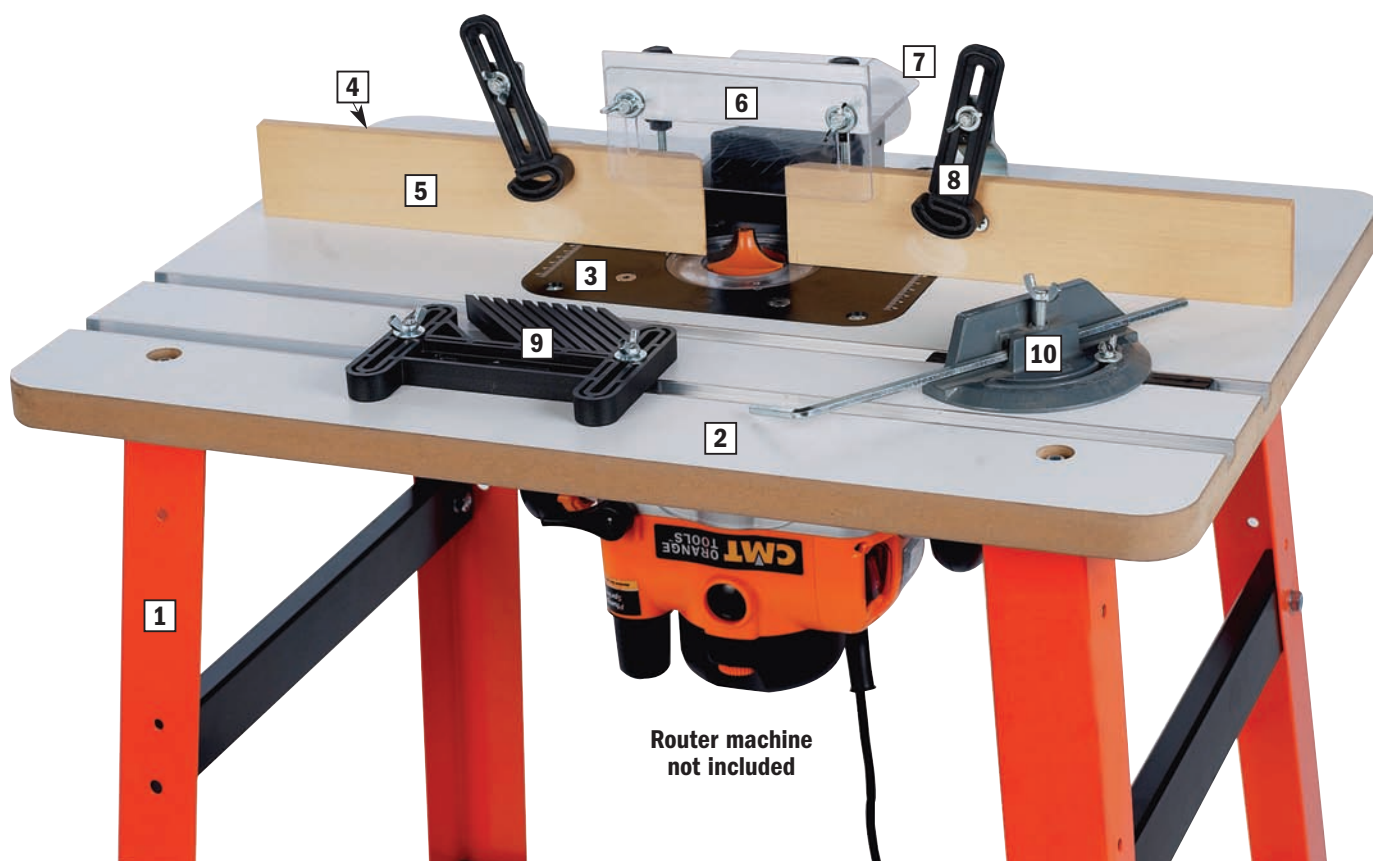
**999.100.00**

Router table dimensions:  
68x50x(h)85cm. - 25 kg. weight

Optional



11



Router machine  
not included

DESCRIPTION	ORDER NO.
CMT professional router table system:	<b>999.100.00</b>
<b>Spare parts included with the table:</b>	
1) High gauge steel legs	<b>999.100.01</b>
2) Thick MDF work surface with aluminium fluting	<b>999.100.02</b>
3) Plate (235x170x8mm) with 30-40mm reduction rings <b>prebored for CMT7E</b>	<b>999.100.33</b>
4) Aluminium support for wooden fence	<b>999.100.04</b>
5) Longitudinal wooden fence (RH - LH)	<b>999.100.05</b>
6) Lexan® and aluminium safety shield	<b>999.100.06</b>
7) Vacuum hose	<b>999.100.07</b>
8) Standing spring press	<b>999.100.08</b>
9) Moulded ABS feather board	<b>999.100.09</b>
10) Transversal mitre gauge	<b>999.100.10</b>
<b>Optional:</b>	
11) Electric safety switch	<b>999.100.11</b>
12) Universal plate (235x170x8mm) with 30-40mm reduction rings <b>not bored (for not CMT routers)</b>	<b>999.100.03</b>
13) Plate (235x170x8mm) with 30-40mm reduction rings <b>prebored for CMT8E</b>	<b>999.100.34</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Industrio™ routing system

CMT has turned the Industrio™ routing system into a great tool with new accessories such as phenolic insert, integral aluminium scales and an improved fence. Also, you will find some new optional features, such as a rugged moulded featherboard and a new mitre gauge.

# 999.500.01

**The system includes:**

**999.501.09**

**Unique phenol top with new insert plate**

Now featuring a 298x374mm (11-3/4"x14-3/4") insert plate, the top is milled from 12mm (15/32") thick phenol. Sturdy and very enduring material, phenol is much more resistant to warping than melamine. The top also features new aluminium scales on both ends to set the fence quickly and properly.

**Easy fast bit change**

No need to remove the router or fumble beneath the table top to change the bits. CMT's useful bent wrench allows you to replace the bits from above quickly and easily. 15 kg. shipping weight.

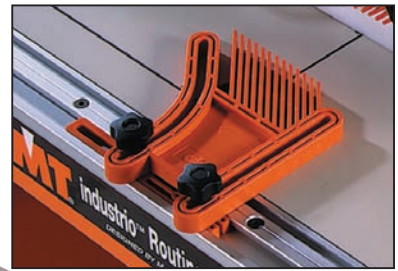
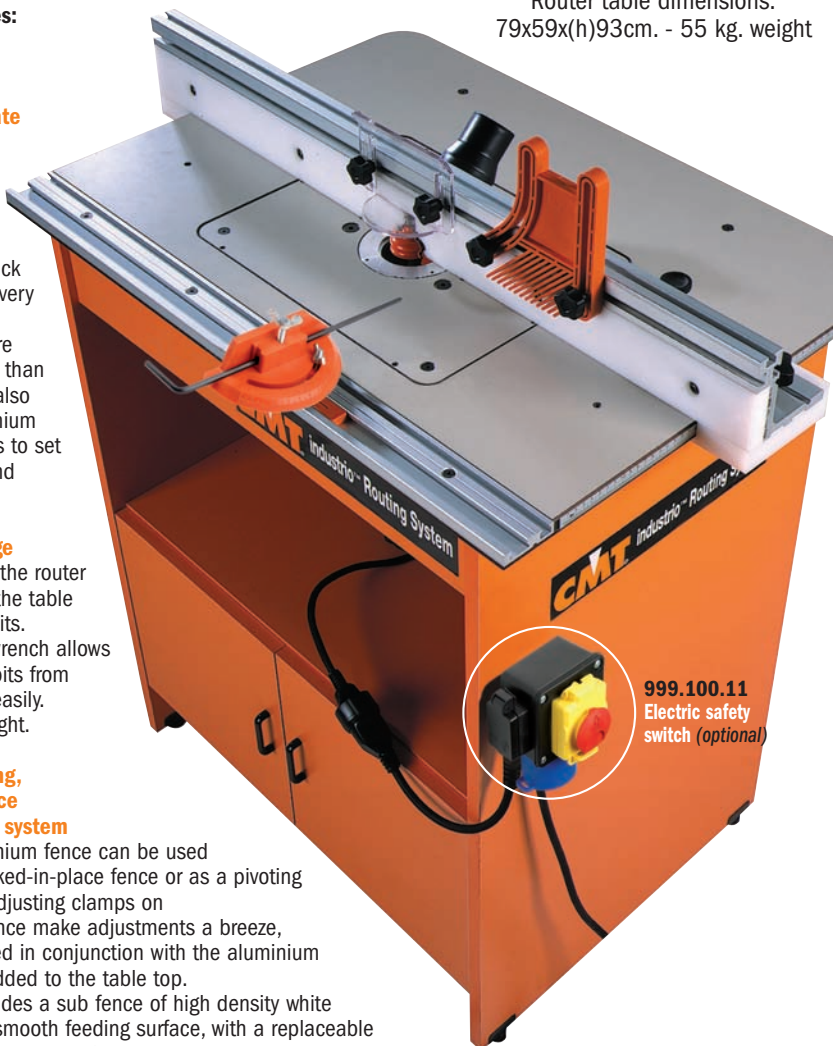
**999.501.10 Pivoting, zero-clearance fence with new clamping system**

Our extruded aluminium fence can be used as conventional locked-in-place fence or as a pivoting fence. New, quick-adjusting clamps on both ends of the fence make adjustments a breeze, especially when used in conjunction with the aluminium scales that we've added to the table top. The fence also includes a sub fence of high density white plastic for an ultra smooth feeding surface, with a replaceable centre section to create zero-clearance inserts. 8,5 kg shipping weight.

**999.501.03 Sturdy melamine cabinet**

This sturdy 20mm-thick (25/32") melamine cabinet is easy to assembly with posts and cross dowels. Also, it includes a double-door storage area to keep bits, wrenches and more tools safe and dust-free. 32,5 kg. shipping weight.

Router table dimensions:  
79x59x(h)93cm. - 55 kg. weight



**999.501.07** Moulded ABS featherboard setup on the table and in fence slots. In includes nuts, bolts and a plastic slide.



**999.501.08** Mitre gauge.



**999.100.11** Electric safety switch (optional)



**999.501.18** Phenolic plate with aluminium rings (Ø103-69,5mm) for CMT7E.



**999.502.34** Centring device to position your router perfectly in the 8-12mm (5/16" - 15/32") insert plate.

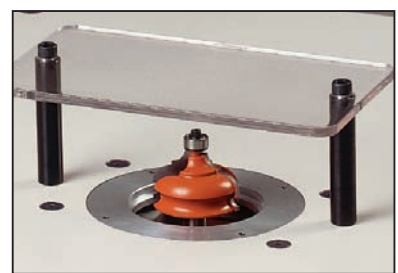
**Optional**

- Bent wrenches for easy bit replacement
- 17mm . . . . . 991.005.00
- 21mm . . . . . 991.002.00
- 22,2mm . . . . . 991.004.00
- 23,8mm . . . . . 991.003.00
- 24mm . . . . . 991.006.00\*
- 28,6mm . . . . . 991.001.00

\* For CMT routers



**999.502.10** Central section of the fence is removable for custom replacements.



**999.501.06** The dual and post guard makes freehand work safer.

DESCRIPTION	ORDER NO.
Industrio™ routing system (with plate prebored for CMT7E)	<b>999.500.01</b>
CMT7E router and 999.500.01 Industrio™ routing system	<b>CMT7E-IND</b>
<b>Optional:</b> electric safety switch	<b>999.100.11</b>
Universal phenolic plate with aluminium rings (Ø103-69,5mm), <b>not bored (for not CMT routers)</b>	<b>999.501.26</b>
Phenolic plate with (Ø103-69,5mm) aluminium rings <b>for CMT8E router</b>	<b>999.501.27</b>
Pair of (Ø103-69,5mm) reduction rings	<b>999.501.05N</b>

# Superjaws portable clamping system

new

**CMT ORANGE TOOLS™**

## CMT200

Saw blades  
Tools with bore & Knives  
Router Bits & Sets  
CNC Router Cutter & Chucks  
Industrial Dowel Drills  
Bits for Hand Power Tools  
Spare Parts  
Power Tools & Accessories  
Display Cabinets

**LOCK / RELEASE SWITCH**  
allows fast, trouble-free release of the jaws



**URETHANE JAW FACINGS**  
provide a protective, slip-resistant grip

**REVERSIBLE SLIDING JAWS**  
allow for extra wide 956mm clamping width capacity



**FOOT OPERATED CLAMPING**  
frees up your hands for full control of the job



**ROBUST, ALL-STEEL CONSTRUCTION WITH POWDERCOAT FINISH**  
for long-lasting operation

**POWERFUL 1 TONNE CLAMPING FORCE**  
allows the ability to apply as much or as little clamping pressure as you require



**QUICKLY FOLDS DOWN FOR STORAGE AND TRANSPORT**



The CMT200 SuperJaws is the workstation you take right to the job; indoors, outdoors, construction sites or the factory floor. It provides fast and easy hands-free clamping action of material up to 956mm and features a massive force of up to 1000kg, for all clamping or pressing applications. It holds anything: car parts, bicycles, timber and tubing.

**TRIPOD BASE**  
for all-terrain stability

### Optional Accessories

#### Technical Specifications

- Clamping Range ..... 0 - 956mm
- Clamping Force ..... Up to 1000kg
- Clamping Method ..... Foot operated
- Standard Jaws ..... Urethane
- Max. Load: ..... 100kg approx.
- Folding Time ..... 20 seconds approx.
- Folded Size ..... 275 x 775 x 295mm
- Standing Size ..... 980 x 1000 x 860mm
- Weight ..... 16kg



**CMT200-01**

**Log Jaws** Powerful clamping of logs and poles for chainsawing etc.



**CMT200-02**

**Engineers Jaws** Tough cast iron jaws for heavy duty metal work.

DESCRIPTION	ORDER NO.
SuperJaws Portable Clamping System	CMT200
<b>Optional:</b>	
Pair of log jaws for chainsawing	CMT200-01
Pair of engineers jaws for heavy duty metal work	CMT200-02

# CMT-Enlock joining system

The innovative CMT-Enlock joining system is designed to build the strongest “T”, “Mitre” joints and “Edge-to-edge” assemblies using the patented E15 and E10 dovetail keys. The dovetail slots in each part to be joined are machined quickly and accurately using the CMT Enlock jig. Simply clamp your workpiece in the jig, set the bit depth and you are ready to rout. The jig features strong cast aluminum construction throughout the body, top plate, stops and clamping bar to produce perfect strong joints for life!

# CMT-Enlock1

Patent No. AU2005/903586  
PCT/AU2006/000957

Width range 30~75mm  
Thickness range 19~35mm

**1.** The strong and versatile clamping bar ensures no workpiece movement.

**2.** Solid cast aluminium body.

**3.** Support foot to fix the jig on the table.

**4.** Adjustable mitre blocks for mitre joints in picture frames.

**5.** Adjustable mitre plate to suit the workpiece width.

**6.** Clamp extension arm to make widening joints.

**Standard equipment**  
CMT-Enlock1 joining system  
CMT-Enlock10 masterpack (50 keys)  
Instruction manual (in five languages)  
Video available on [www.cmtutensili.com](http://www.cmtutensili.com)  
**Hw dovetail bits not included**

The CMT-Enlock dovetail key expands when the cap is forced in. This widens the dovetail producing a strong clamping force across the joint. No other dovetail system on the market produces this clamping force.

**A few seconds and your joints are ready!**

- Order now!**
- CMT-Enlock1 Complete joining system
  - CMT-Enlock10 Ø9,5mm 50 key masterpack
  - CMT-Enlock15 Ø12,7mm 50 key masterpack
  - 718.098.11B** Ø9,5mm dovetail bit (Ø6mm shank)
  - 718.127.11B** Ø12,7mm dovetail bit (Ø6mm shank)
  - 818.098.11B** Ø9,5mm dovetail bit (Ø6,35mm shank)
  - 818.128.11B** Ø12,7mmdovetail bit (Ø6,35mm shank)

**Here are a few of the beautiful joints you can produce using CMT-Enlock Jig**

**“T” joints**

**T-Joint**

**Mitre joints**

**Edge-to-edge assemblies**

# Universal dovetail jig

## CMT300

305mm max length  
11~25mm joint thickness

Dovetail joints give a touch of craftsmanship to your work, but many woodworkers avoid these joints, because of their apparent complexity. CMT's new 305mm dovetail jig is the fast easy solution! Thanks to precise templates, permanent stops and easy adjustments, we have taken the "tinkering" out of the dovetail joinery. Simply clamp your workpiece in with the edges against the factory-set stops, set your bit depth and then you are ready to rout.

Also, we haven't cut corners on quality either. This jig features steel body, templates, stops and clamping bars, so it produces perfect long-lasting joints for all your woodworking needs. The machine accepts stock from 11mm to 25mm thick, and is capable of producing a variety of joints with the available templates. Standard jig includes a template for 12,7mm half blind joints and a template guide. Optional templates are available for through dovetail and box joints.

**RUGGED STEEL TEMPLATE**

**CLOSED SECTION STEEL CLAMPING BAR**



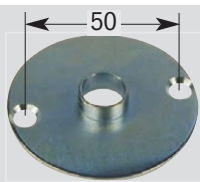
**FACTORY-PRESET STOP**

**MASSIVE STEEL BODY SOLID SUPPORT**

**EASY-TO-GRID HANDLE**

**Standard equipment**

- Standard Ø12,7mm silver blind template **CMT300-T128**
- Ø15,8x4mm template guide **899.005.00**



**IMPORTANT TIP**

**HW DOVETAIL BITS (not included):**

718.127.11	D=12,7mm	A=14°	S=6mm
818.128.11	D=12,7mm	A=14°	S=6,35mm
918.127.11	D=12,7mm	A=14°	S=8mm
818.628.11	D=12,7mm	A=14°	S=12,7mm



**Will the template fit my router?**

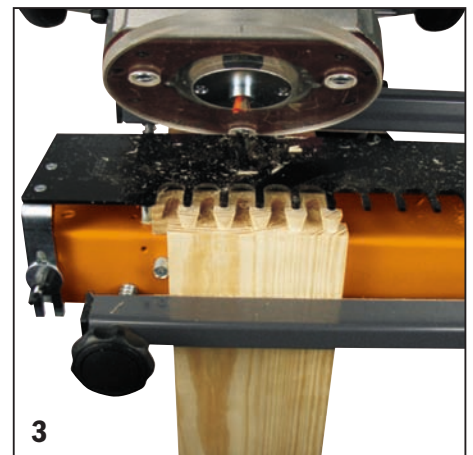
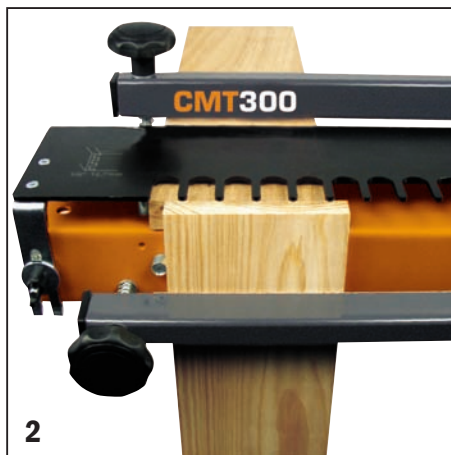
Standard template guide attaches using two screwed spaced 50mm on centre. Many routers accept this design. If your router does not, order one of the listed universal router bases below:

**Universal router bases**

For Ø8 and Ø12mm shank  
For Ø6,35 and Ø12,7mm shank

Order no.  
**CMT300-SB1**  
**CMT300-SB2**

**Here's how it works:**



Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

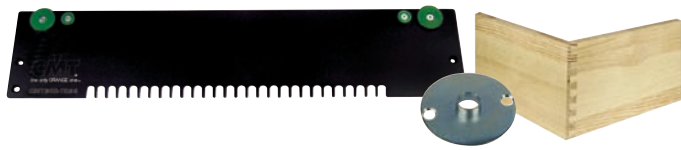
Spare Parts

Power Tools & Accessories

Display Cabinets

# Additional templates, bits and accessories

## Half blind template CMT300-064

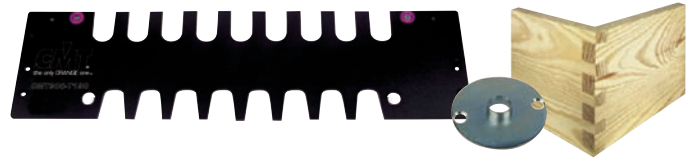


Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	6,3	8 ~ 12	green	CMT300-T064

Supplied with Ø7,8x4mm precision guide **899.003.00**

To be used with CMT dovetail router bits:  
 Ø6x8mm HW bit (Ø6mm shank) **718.060.11**  
 Ø6,35x8,3mm HW bit (Ø6,35mm shank) **818.064.11**

## Through dovetail templates CMT300-T129



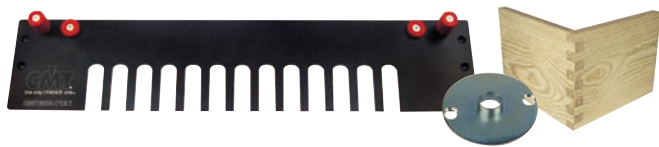
Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	12,7	8 ~ 20	brown	CMT300-T129

Supplied with Ø11,1x4mm precision guide **899.004.00**

To be used with CMT straight router bits:  
 Ø8x25mm HW bit (shank Ø6,35mm) **811.081.11**  
 Ø8x30mm HW bit (shank Ø8mm) **912.080.11**

To be used with CMT dovetail router bits:  
 Ø12,7x20mm HW bit (Ø6,3mm shank) **818.129.11**  
 Ø12,7x20mm HW bit (Ø8mm shank) **918.129.11**

## Box joint templates CMT300-T080 - CMT300-T127



Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	8	8 ~ 20	blue	CMT300-T080

Supplied with Ø11,1x4mm precision guide **899.004.00**

To be used with CMT straight router bits:  
 Ø8x25mm HW bit (Ø6,35mm shank) **811.081.11**  
 Ø8x30mm HW bit (Ø8mm shank) **912.080.11**

Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	12,7	8 ~ 20	red	CMT300-T127

To be used with CMT straight router bits:  
 Ø12,7x30mm bit HW (Ø6,35mm shank) **812.127.11**  
 Ø12,7x30mm bit HW (Ø8mm shank) **912.127.11**  
 Ø12,7x25mm bit HW (Ø12,7mm shank) **811.627.11**

Template length mm	Dovetail size mm	Thickness mm	Colour	ORDER NO.
300	19	15 ~ 22	violet	CMT300-T190

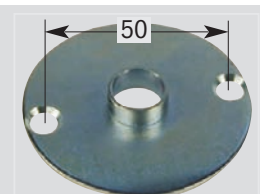
Supplied with Ø22x4mm precision guide **899.006.00**

To be used with CMT straight router bits:  
 Ø12,7x30mm HW bit (Ø6,35mm shank) **812.127.11**  
 Ø12,7x30mm HW bit (Ø8mm shank) **912.127.11**  
 Ø12,7x25mm HW bit (Ø12,7mm shank) **811.627.11**

To be used with CMT dovetail router bits:  
 Ø19x22mm HW bit (Ø6mm shank) **718.190.11**  
 Ø19x22mm HW bit (Ø6,35mm shank) **818.190.11**  
 Ø19x22mm HW bit (Ø8mm shank) **918.190.11**  
 Ø19x22mm HW bit (Ø12mm shank) **918.690.11**  
 Ø19x22mm HW bit (Ø12,7mm shank) **818.690.11**

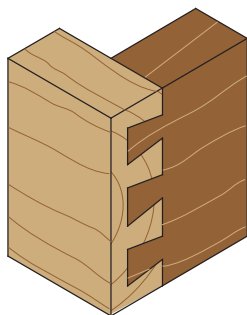
### Precision guide for router:

7,8 x 4mm	<b>899.003.00</b>
11,1 x 4mm	<b>899.004.00</b>
15,8 x 4mm	<b>899.005.00</b>
22 x 4mm	<b>899.006.00</b>
30 x 4mm	<b>899.007.00</b>



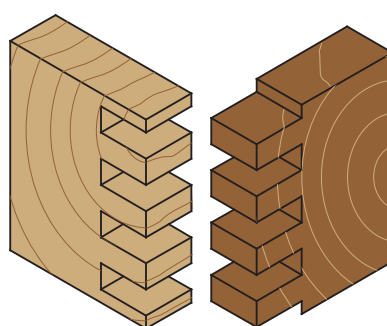
## Here are a few of the beautiful dovetail joints you can produce using CMT bits

Half blind



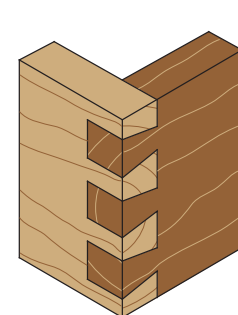
CMT300 - T064  
 CMT300 - T128 (INCLUDED with CMT300)

Box joint



CMT300 - T080  
 CMT300 - T127

Through dovetail



CMT300 - T129  
 CMT300 - T190



# Ellipse & circle cutting jig



## CMT3000

### Ellipse & circle cutting jig

This product has been designed for cutting ellipses and circles with any router types. You can make ellipses and circles for windows, doors and any other application.

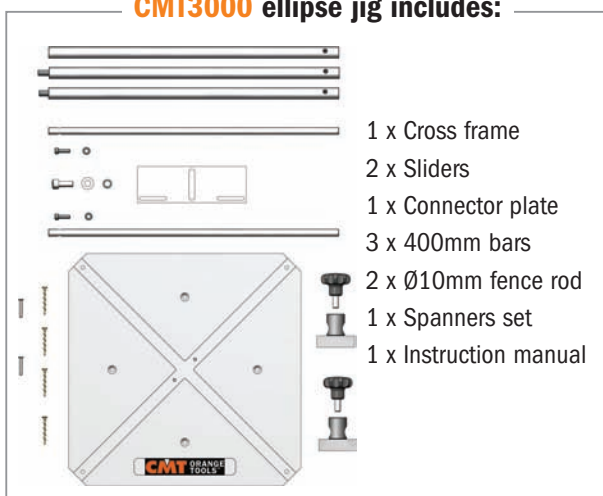
By using two slides into the T-slot you can cut ellipses, whereas if you use one slide, you can cut circles.



Slider in the T-slot of the cross frame

Major axis	Minor axes	
	Max	Min.
3000	2890	2590
1800	1690	1390
1500	1390	1090
1030	920	620
900	790	620
730	620	620
Min/max cutting radius		550/1500
Package dimension (mm)		405x360x54
Weight		6,6 kg.

#### CMT3000 ellipse jig includes:



**WARNING: CMT3000 is not suitable for CMT7E and CMT8E**

#### Ellipse and circle cutting jig:

- Precise and rapid creation of ellipses and circles.
- Simple setup and effective operating.
- Clamping system for any type of routers.
- Special plastic cross frame with excellent sliding performance.
- Precisely machined T-slots and steel sliders.
- Zinc-coated metal parts to prevent rust.
- Delivered in a carton box along with instruction manual.

#### ACCESSORIES (optional):

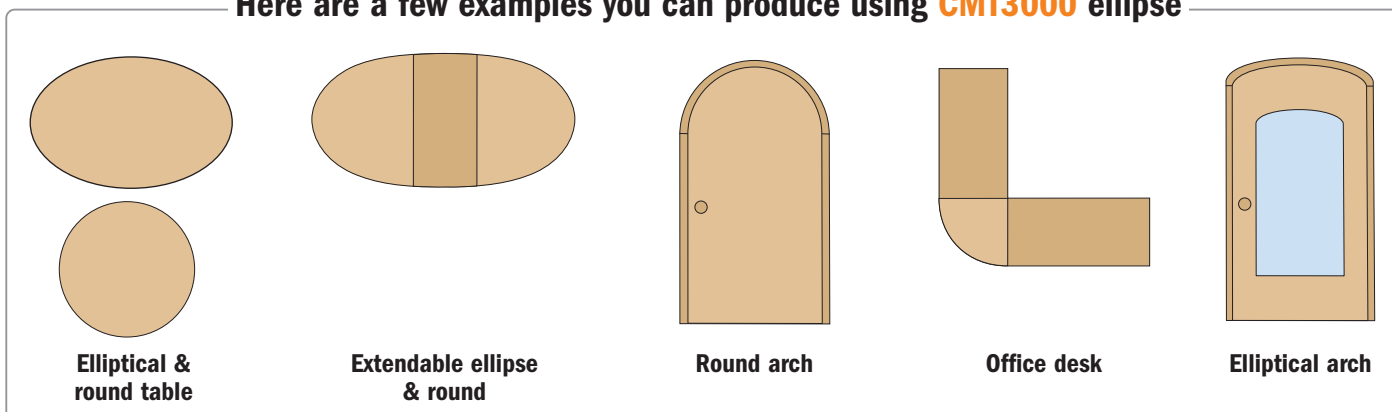
##### 400mm robust bar\_CMT3000-7

To extend the working radius.

##### 2 pcs. of Ø8 fence rod for CMT3000-8 router

For hobby or DIY router with bars up to 8mm in diameter.

#### Here are a few examples you can produce using CMT3000 ellipse



DESCRIPTION	ORDER NO.
Ellipse & circle cutting jig	CMT3000

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Kitchen worktop jig

## CMT650

### For perfect joint

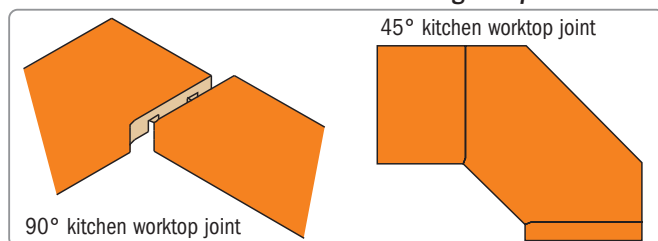
For kitchen worktops from 420mm to 650mm in width.

CMT650 is designed to cut kitchen worktop joints with any type of router.

Letter code system for different operations makes the jig work much easier and very quick.



Joints made in 15 minutes! Including setup time.

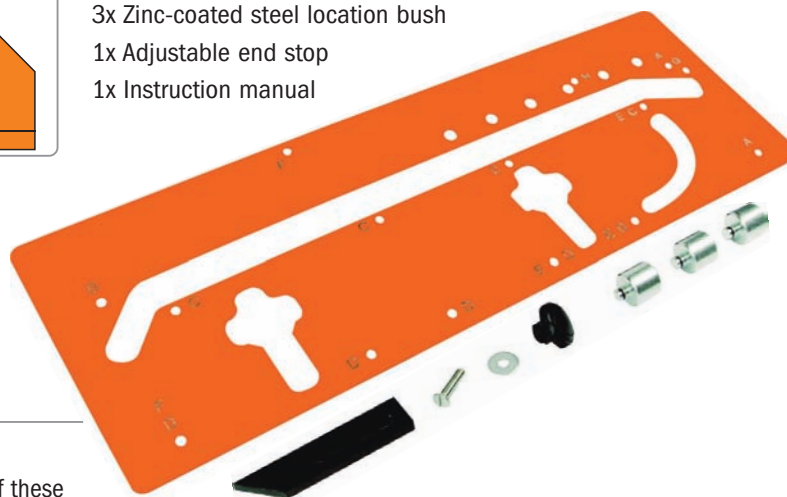


#### JIG INCLUDES:

- 1x Phenolic template
- 3x Zinc-coated steel location bush
- 1x Adjustable end stop
- 1x Instruction manual

#### JIG REQUIRES:

- Portable router
- Guide bush Ø30mm
- HW straight bit Ø12mm
- Two clamps



**652**

**912**

#### Bits for the jig:

We recommend the use of these Ø12mm straight bits:

- |            |                   |
|------------|-------------------|
| 912.120.11 | Ø12x31,7 S=8mm    |
| 652.120.11 | Ø12x28,3 S=8mm    |
| 912.621.11 | Ø12x38,1 S=12mm   |
| 912.622.11 | Ø12x50,8 S=12mm   |
| 812.620.11 | Ø12x31,7 S=12,7mm |
| 812.621.11 | Ø12x38,1 S=12,7mm |
| 652.121.11 | Ø12x48,3 S=12mm   |
| 652.621.11 | Ø12x48,3 S=12,7mm |

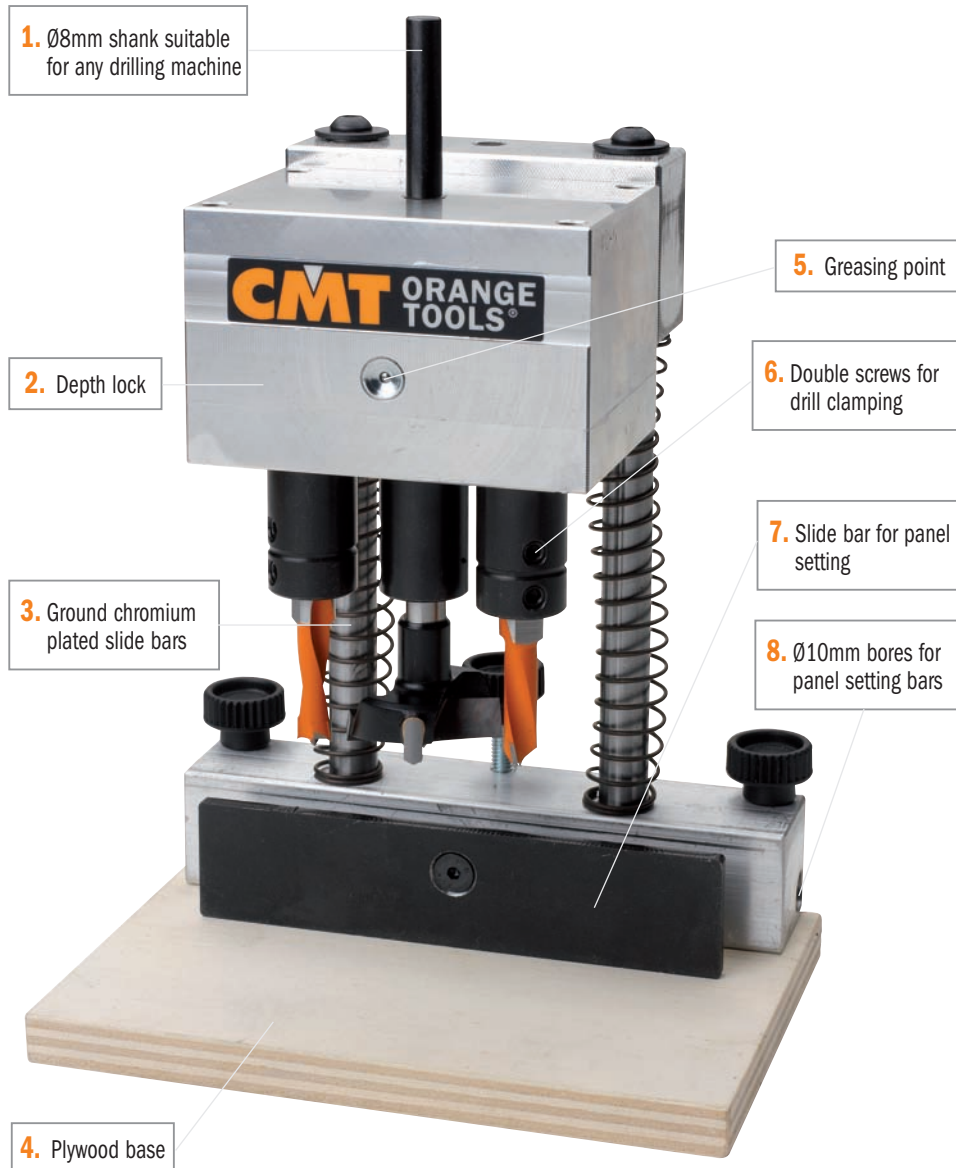
#### CMT650 is designed for Ø12mm straight bits.

- Template made of stable and hardened material.
- For 90° and 45° joints
- Integrated templates for rounding over and chamfering edges.
- Extra location bush for worktop width of 600mm.
- Two integrated templates for panel bolt recesses.
- Delivered with a clear and comprehensive instruction manual.

DESCRIPTION	ORDER NO.
Kitchen worktop jig	CMT650

## Universal hinges boring system

The innovative CMT333 hinge boring system with 3 spindle-heads allows you to bore holes for any hinge brand, such as Salice, Blum, Hettich, Würth, Mepla, Grass, etc.. The universal modular base supports the installation of 5 different boring heads, engineered by the worldwide leading company in industrial boring machines. Use the CMT333 universal hinge boring system on all hand-held or standing drilling power tools.

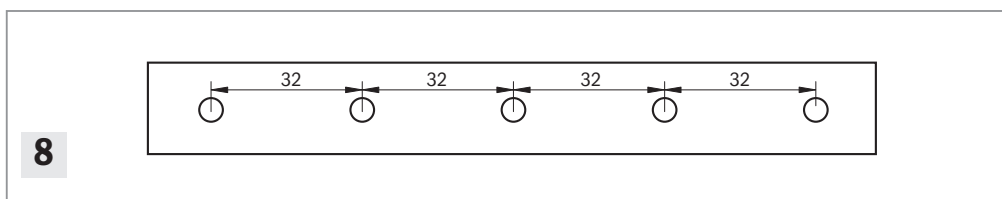


### Technical features and specifications

- Complete anti-rust parts
- Ground aluminium (Avional)
- Max 5000 RPM
- Six radial antifriction bearings

### Safety tips:

for lubrication use oil SHC100 Mobil



8 Boring head with 5 adaptors for system 32

**CMT** ORANGE TOOLS™

**CMT333**



For use on standing drilling machines



For use on CMT Industrio™ router table

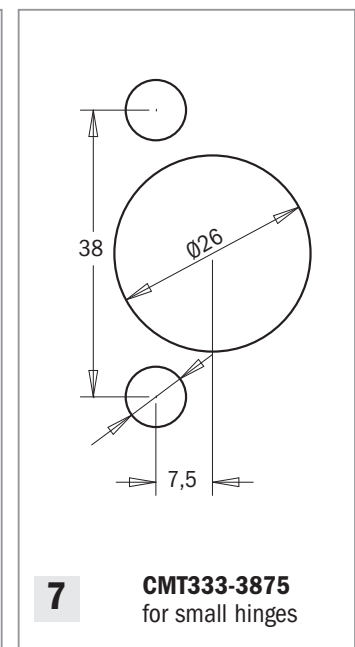
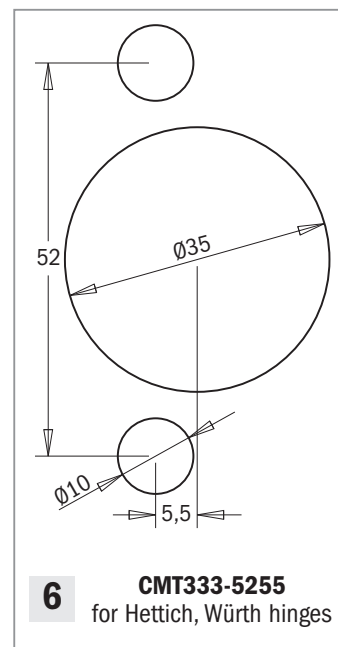
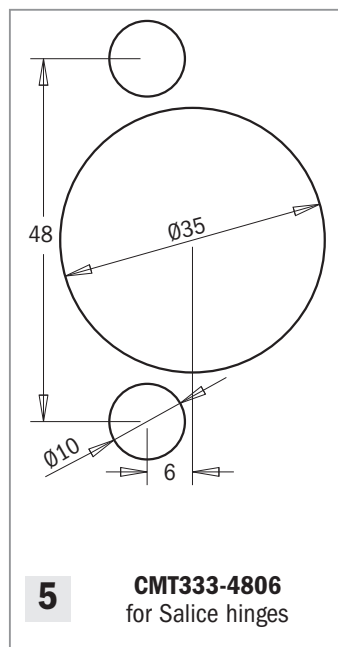
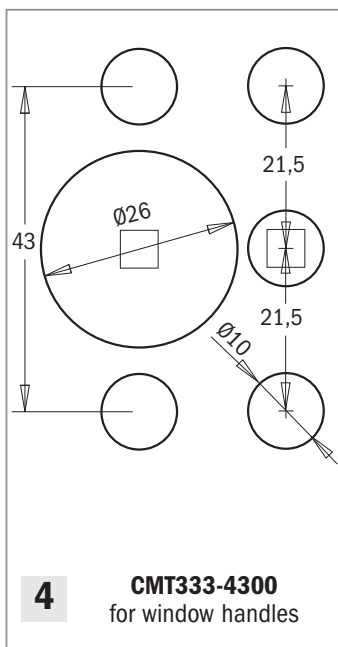
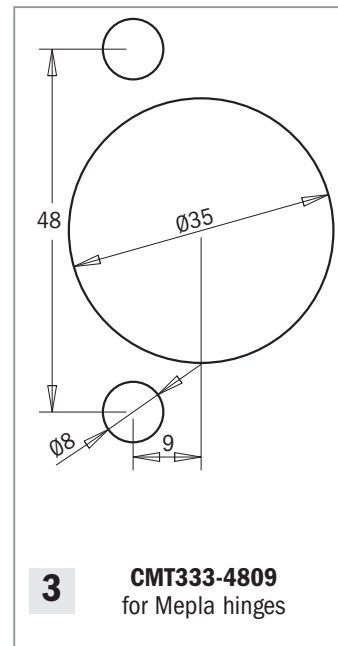
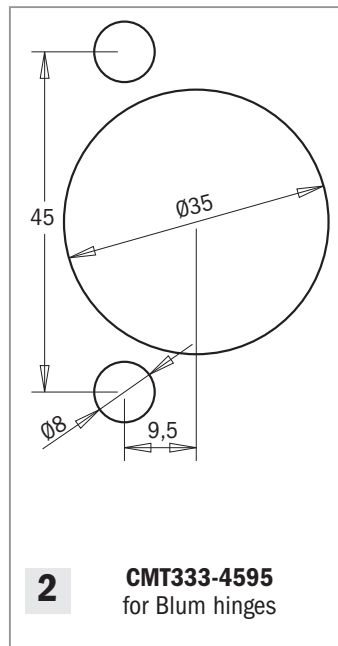
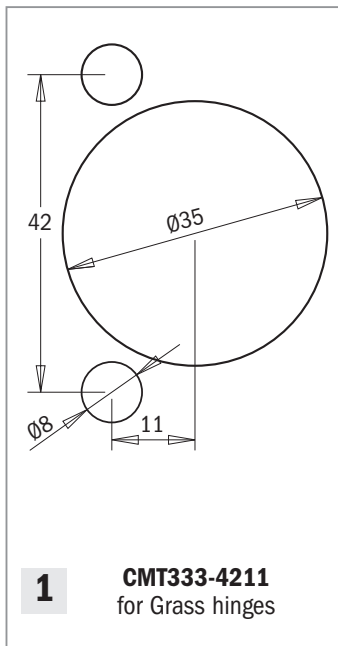
### CMT333-325

Boring head with 5 adaptors for system 32



CMT333-325

# Universal hinges boring system



## MAXIMUM VERSATILITY FOR ANY BRAND

**Make your set**

**Choose your hinge**

1	Grass	42/11
2	Blum	45/9,5
3	Mepla	48/9
4	Window handles	43/00
5	Salice	48/6
6	Hettich, Würth	52/5,5
7	Small hinges	38/7,5
8	System 32	

Support modular base	Boring heads	Drill bits	Boring bit
<b>ORDER NO.</b>	<b>ORDER NO.</b>	<b>ORDER NO.</b>	<b>ORDER NO.</b>
<b>CMT333</b>	<b>CMT333-4211</b>	Left-hand rotation	Right-hand rotation
<b>CMT333</b>	<b>CMT333-4595</b>	Grass	<b>310.080.12</b> (2 pcs.)
<b>CMT333</b>	<b>CMT333-4809</b>	Blum	<b>317.350.11</b>
<b>CMT333</b>	<b>CMT333-4300</b>	Mepla	<b>310.080.12</b> (2 pcs.)
<b>CMT333</b>	<b>CMT333-4806</b>	W/handles	<b>317.260.11</b>
<b>CMT333</b>	<b>CMT333-5255</b>	Salice	<b>310.100.12</b> (2 pcs.)
<b>CMT333</b>	<b>CMT333-3875</b>	Hettich	<b>317.350.11</b>
<b>CMT333</b>	<b>CMT333-325</b>	Small	<b>310.100.12</b> (2 pcs.)
<b>CMT333</b>	<b>CMT333-325</b>	System 32	<b>317.260.11</b> (2 pcs.)
			(3 pcs. RH + 2 pcs. LH)

## Universal boring template

CMT's universal boring template has been designed for precise and productive manual dowelling of furniture elements by using 32mm Euro-System screws, for boring shelf supports with 3mm or 5mm in diameter and for making and marking hinge holes.

By using this template you can prebore the most popular hinge types and also to bore holes for pivots, wooden screws and hinges on the base element, as well as prebore door hinges, included the marking of holes featuring 35mm in diameter for hinges.

This template will guarantee high precision work and productivity and has been designed to be used in pair with the specific CMT400-1 boring adaptor supporting any Ø8mm shank drill bits featuring different diameters.

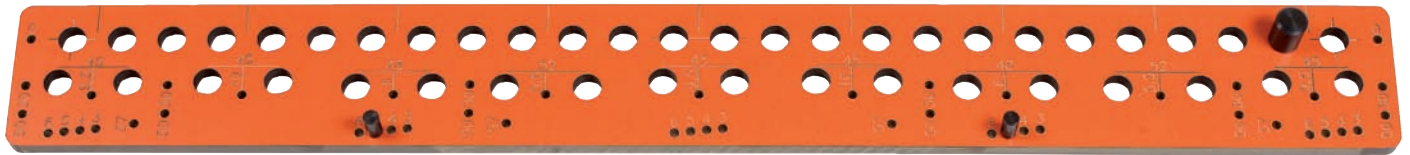
**CMT** ORANGE TOOLS™

# CMT900

**For dowelling into a surface**

**For shelf supports**

**For hinges**



**Laminated phenolic material**

**Clear and comprehensible template marking**

**Precise end stops**

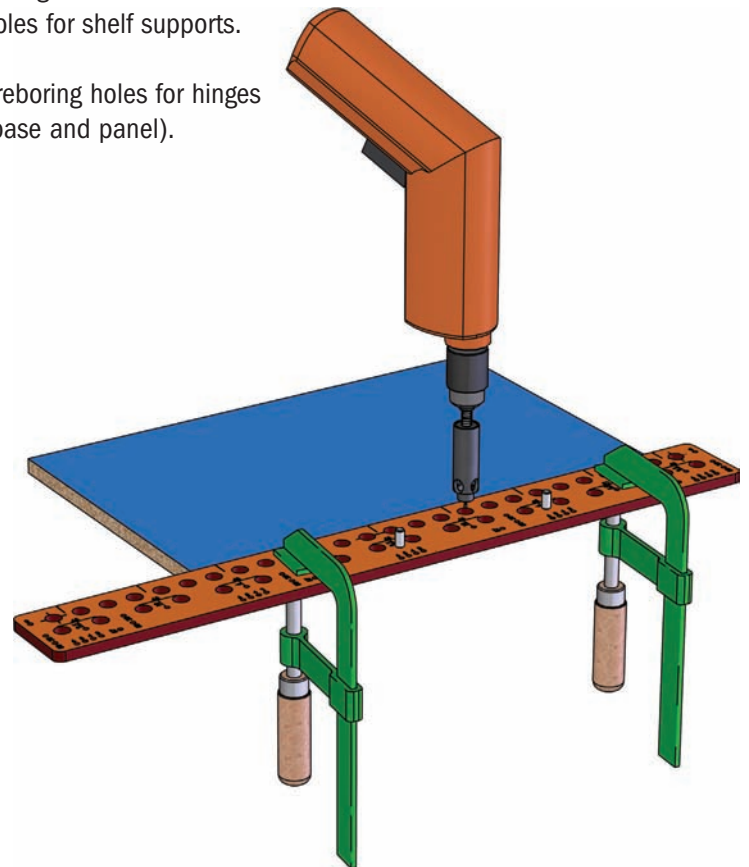
### QUICK AND EASY:

Technical data:	CMT900
Max. board width in one tightening:	900mm
Max board width:	no limits
Board thickness:	no limits
For dowels:	Ø8mm
Hole distance:	32mm
Number of holes:	26
For shelf support:	Ø3mm, Ø5mm
For hinges:	Ø3mm for wooden screws Ø5mm for Euro screws

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).



### BORING ADAPTORS (not included):

- End stop for different boring depths
- Suitable for any type of drilling machine
- Duralumin body with holes for better chip ejection
- Precise and flat seating for proper alignment.

order no. **CMT400-1**

Boring adaptor for CMT400, CMT656, CMT900 JIGS to be used with drill bits up to 30mm depth:  
306.030.21 - 306.050.11 - 306.080.11



### HW DOWEL BITS (not included):

306.030.21	D=3x18mm	S=8x20mm	HWM
306.050.11	D=5x30mm	S=8x20mm	HW
306.080.11	D=8x30mm	S=8x20mm	HW

Other sizes available in 306-307 series

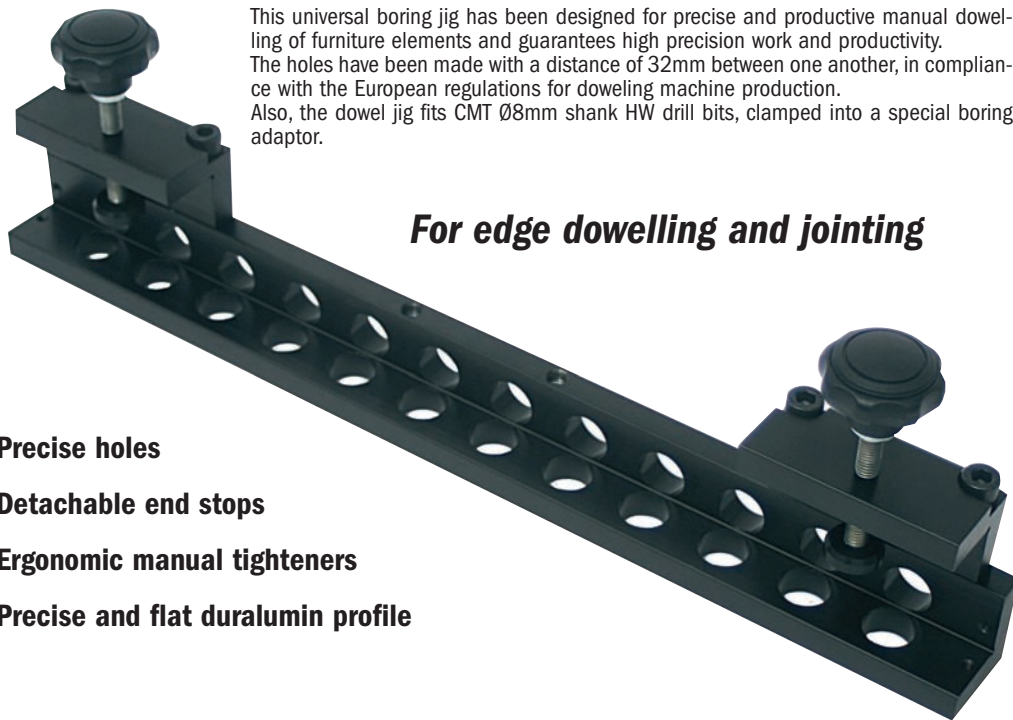
### CMT900 boring template includes:

- Boring template from laminated pertinax
- End stop set
- End stop set for large elements
- Centring pin for hinges

DESCRIPTION	ORDER NO.
Universal boring template	CMT900

# Universal boring jig

**CMT400**  
**CMT656**



**For edge dowelling and jointing**

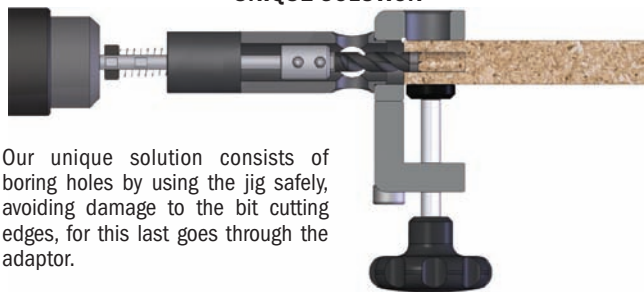
- Precise holes
- Detachable end stops
- Ergonomic manual tighteners
- Precise and flat duralumin profile

**SPARE CLAMP (optional)**

To speed up your work with elements of different width. Order no. **CMT400-3**



**UNIQUE SOLUTION**



Our unique solution consists of boring holes by using the jig safely, avoiding damage to the bit cutting edges, for this last goes through the adaptor.

**BORING ADAPTORS (not included):**

- End stop for different boring depths
- Suitable for any type of drilling machine
- Duralumin body with holes for better chip ejection
- Precise and flat seating for properly alignment.

order no. **CMT400-1**

Boring adaptor for CMT400, CMT656, CMT900 JIGS to use with the drill bit:

306.030.21 - 306.050.11 - 306.080.11 - 307.050.11

order no. **CMT400-2** (for screw joints)

Boring adaptor for CMT400, CMT656, CMT900 JIGS to use with the drill bit: 307.050.11



**HW DOWEL BITS (not included):**

- 306.030.21 D=3x18mm S=8mm HWM
  - 306.050.11 D=5x30mm S=8mm HW
  - 306.080.11 D=8x30mm S=8mm HW
  - 307.050.11 D=5x40mm S=8mm HW for screw joints
  - 307.070.11 D=7x40mm S=8mm HW for screw joints
- Other sizes available in series 306-307-367-368

**3 easy steps for your dowel joints**



Place the jig onto the board, fix the end stop and tighten the workpiece. Set the bore depth and clamp the boring adaptor on your drilling machine. Bore vertical holes.



Fasten the jig on the other element, fix the end stop and set the bore depth. Bore horizontal holes.



Now insert the dowels with glue into the holes and join both elements



As an alternative, use through hole bits and screw the elements together.

Technical details:	<b>CMT400</b>	<b>CMT656</b>
Max board width in one tightening:	400mm	656mm
Max board width:	no limits	
For dowels:	Ø8mm	Ø8mm
For through holes:	Ø7mm	Ø7mm
Hole distance:	32mm	32mm
Number of Ø18mm holes :	2x12	2x20
Board thickness:	16-40mm	16-40mm
Facet (elements lap):	0,8mm	0,8mm

DESCRIPTION	ORDER NO.
Universal boring jig (400mm in one tightening)	<b>CMT400</b>
Universal boring jig (656mm in one tightening)	<b>CMT656</b>

## Pocket-Pro™ joinery system

For fast, easy and accurate cabinet & furniture construction.

Designed by CMT and professional cabinetmakers, this new system allows you to make rock-solid pocket hole joints in stock 12,7mm (1/2") to 40mm (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 40mm (1-5/8") thick;

- other jigs require frequent repositioning of the depth stop collar for different joint styles. CMT's Pocket-Pro™ joinery system allows you to make most of the adjustments leaving the stop collar in the same position of the drill bit;

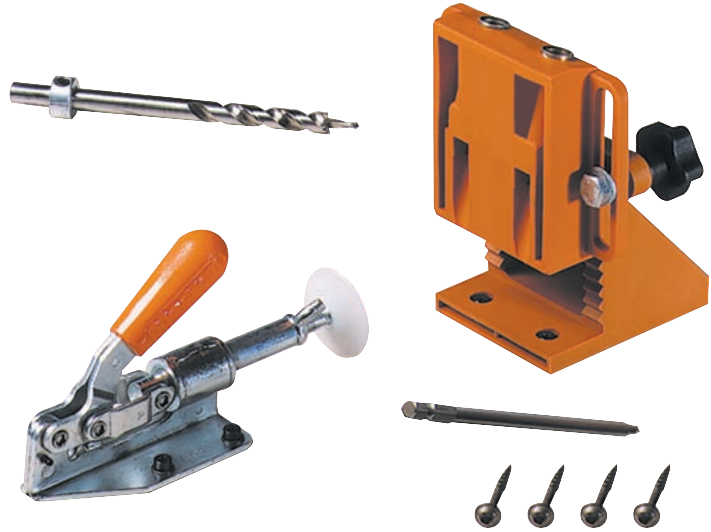
- plus, with CMT's Pocket-Pro™ system you can quickly adjust the location of the pocket in relation to the end of your workpiece to create a stronger joint by using longer screws, or to leave more "meat" in the joint.

Check out the Pocket-Pro™ joinery system today.

Easy enough for beginners and accurate enough for professional workers, it is the world's most versatile pocket hole jig.

**CMT** ORANGE TOOLS™

**PPJ-002**



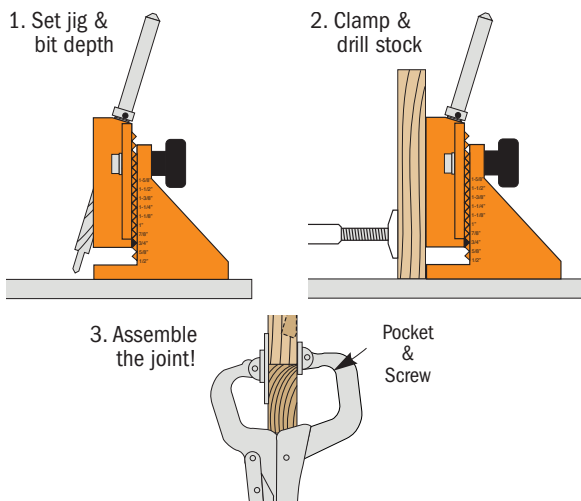
SET CONTAINS	ORDER NO.
PPJ Starter set	<b>999.505.10</b>
Toggle clamp	<b>999.505.05</b>
9,5mm (3/8") step drill bit	<b>515.001.51</b>
9,5mm (3/8") depth collar for step drill bit	<b>541.095.00</b>
152mm (6") Square drive screw driver bit	<b>999.505.08</b>
Masterpack 30 screw 1-1/4"	<b>990.101X30</b>

### Optional

**999.505.06**  
Face clamp with swivel pad

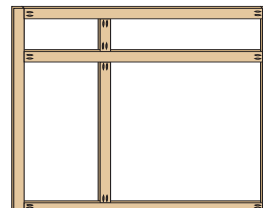


### Enjoy Easy Pocket Hole Joinery!

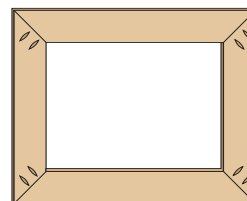
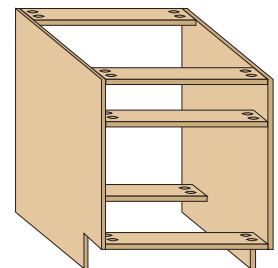


### Build almost anything!

Face Frames



Cabinets and more!



Picture Frames

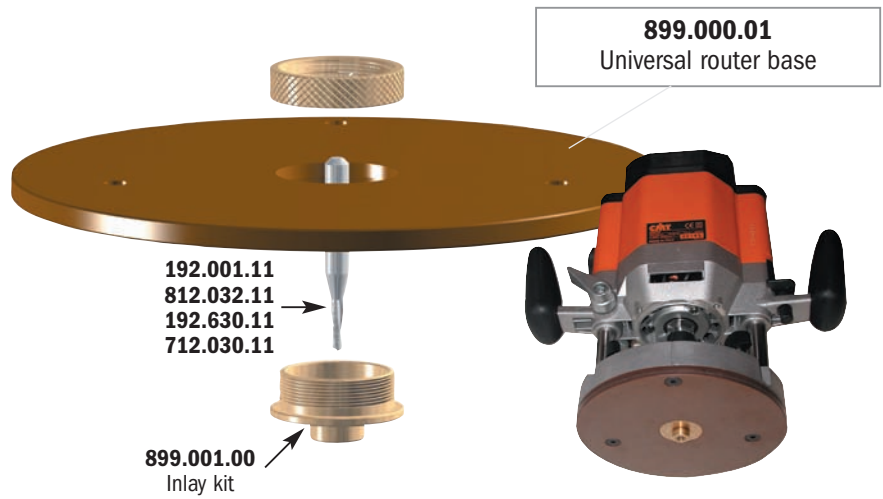
# CMT inlay kit

**899**

Beautiful, professional-quality inlays aren't as difficult as they seem. In fact, they are easy with CMT inlay kit. Just remove and reassemble the small bushing to make the recess in the workpiece and cut out the inlay. Perfect for toy making, puzzle making, lettering and lots of other decorative projects. Use the spiral bit for routing MDF, or the straight bit for natural wood.



Complete instructions for assembling and using CMT inlay kit are included.

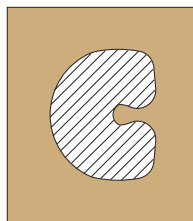


	DESCRIPTION	ORDER NO.
Inlay kit with 3,2mm (1/8") HWM spiral bit	(Ø6,35mm shank)	899.051.00
Inlay kit with 3,2mm (1/8") HWM straight bit	(Ø6,35mm shank)	899.052.00
Solid brass template guide		899.001.00
Universal router base		899.000.01
Router base for CMT7E		899.000.02
3,2mm (1/8") HWM spiral bit	(Ø6,35mm shank)	192.001.11
3,2mm (1/8") HWM straight bit	(Ø6,35mm shank)	812.032.11
3mm HWM spiral bit	(Ø6mm shank)	192.630.11
3mm HWM straight bit	(Ø6mm shank)	712.030.11

## Here's how it works:

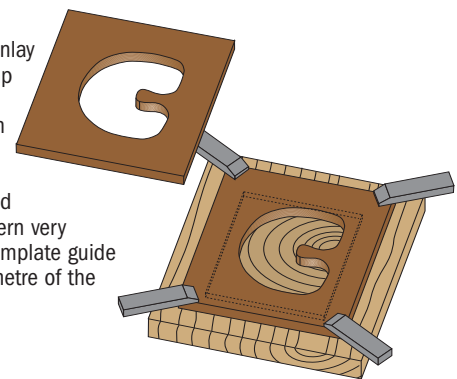
### Make your pattern

Make your pattern in the desired shape of your inlay out of 6,35mm (1/4") thick material. For better results use masonite or similar smooth materials, avoid square corners, and be sure the opening is wide enough to place a 14,2mm(9/16") bushing.



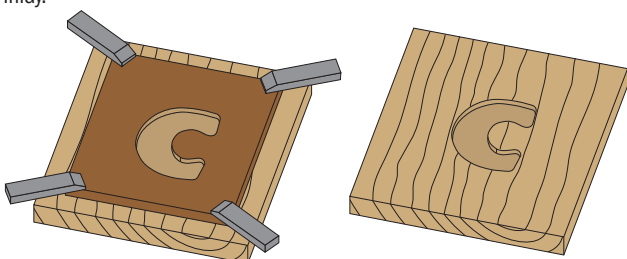
### Route the inlay

Temporarily attach the inlay stock to a piece of scrap with two-sided tape. Now attach your pattern to the inlay material. Take off the snap-on bushing and rout around the opening in the pattern very carefully. Be sure the template guide keeps tight to the perimeter of the pattern at all times.



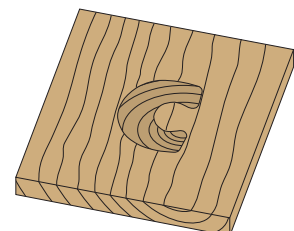
### Route the workpiece

Attach the brass inlay guide to your router with the snap-on bushing in place. Set the bit depth to match your inlay stock. Attach the pattern to your workpiece and rout out the mortise for the inlay.



### Assemble everything

Make sure the two workpieces fit perfectly. If it is necessary sand the inlay material. Apply adhesive and carefully tap the inlay in place. Use a wood block to protect the inlay stock. Sand as needed and that's it.



Complete detailed instructions in English are included in the kit. Instructions in Spanish, French, German and Italian are available on [www.cmtutensili.com](http://www.cmtutensili.com)



# 3D Router Carver™ system

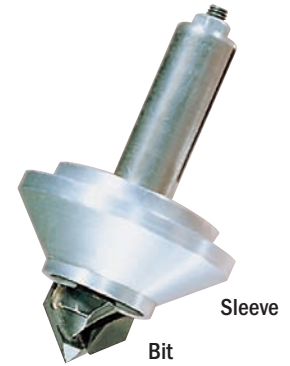


## RCS

**Exclusively from your CMT distributor**

**Turn your router into a remarkable carving tool. It's fast, easy, and a whole lot of fun!**

Who says that intricate woodcarving requires an artist's touch? Thanks to the patented 3D Router Carver system, anyone with a plunge router can create any of the beautiful designs shown on these pages in just minutes. Decorate doors, drawers, cabinets, furniture or just about any flat wooden surface with one or more of these designs. How does it work? The secret is in the 3D Router Carver Bit and the way that bit interacts with the carving templates. The V-Groove router bit is enclosed in a 45° cone-shaped guide. You rout with the plunge mechanism of your router unlocked, allowing the bit to move up or down as the router moves forward. As the slot in the template get wider, the bit moves down, producing a wider, deeper V-groove. As the slot gets narrower, the bit moves up, and the groove gets narrower and shallower. It sounds simple, and it is! (that's why the system is patented worldwide). Please see the illustrations below for more details on the carving technique. You'll receive complete instructions with your 3D Carver templates. For an informative visual demonstration, check out the 3D Router Carver video on our web site.



### What do you need to get started?

- The 3D Router Carver bit
- The Carver template of your choice
- The Holding frame to match your template
- Your plunge router

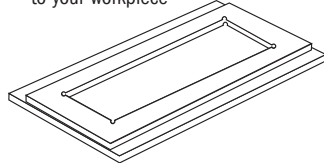
(Note: Be sure the opening in the base of your router is at least 47,6mm in diameter. If it isn't, you'll need to make a sub-base to accept the large diameter of the 3D Carver bit.)

### 3D Router carver bit & sleeve

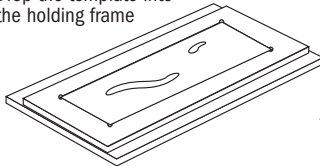
S mm	ORDER NO. Right-hand rotation	Spare parts					
8	<b>RCS-BIT8</b>						
		RCS-CUT8	RCS-SLE8	RCS-SHIELD		RCS-NUT8	991.007.00
12,7	<b>RCS-BIT</b>	RCS-CUT	RCS-SLE	RCS-SHIELD	990.091.00	990.092.00	991.007.00

### Here's how it works:

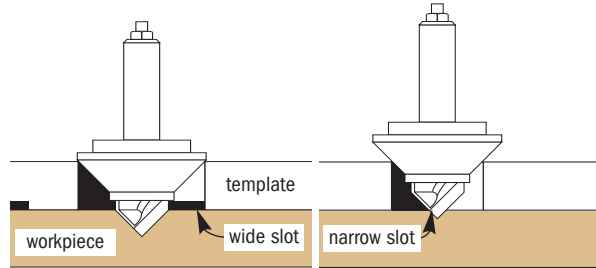
1. Clamp or tack the holding frame to your workpiece



2. Drop the template into the holding frame

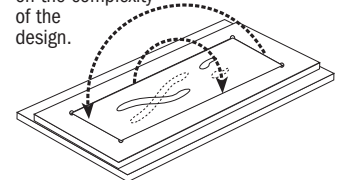


3. Plunge the bit into a wide part of the slot and rout with the router's plunge mechanism unlocked.

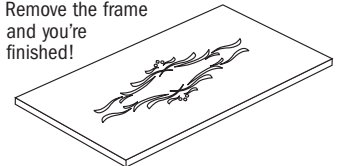


Allow the plunge mechanism to move up and down as you advance. Wider template slots allow wider, deeper grooves. Narrower slots produce shallower grooves.

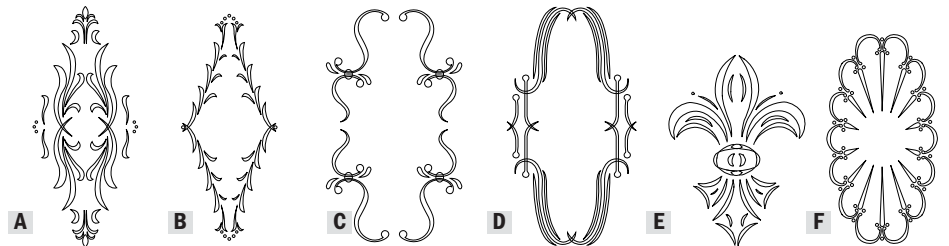
4. With the frame still in place, flip the template & rout again. Some templates will be routed 2 to 4 times, depending on the complexity of the design.



5. Remove the frame and you're finished!



### Cabinet door & panel carvings



These designs are ideal for the doors or panels of cabinets, entertainment centers, fireplace surrounds or almost any flat surface. See the designs below for complementary patterns for drawers, rails and corners. Approximate carving time is 5 minutes.

DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Classical cabinet door - A	440 x 185	2	<b>RCS-302</b>
Florentine cabinet door - B	415 x 170	2	<b>RCS-304</b>
Cascade cabinet door - C	365 x 210	1	<b>RCS-305</b>
Roma cabinet door - D	375 x 200	1	<b>RCS-306</b>
Fleur-de Lys door - E	250 x 180	4	<b>RCS-805</b>
Spanish fan template - F	380 x 200	2	<b>RCS-806</b>
Cabinet door holding frame			<b>RCS-003</b>

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# 3D Router Carver™ system

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

**RCS**

## Panel and rail carvings



A



B



C



D



Tip: many carvings, like the Florentine rail, are enhanced with the additional of a rosette.

With a long, horizontal shape, these designs are perfect for door rails, headboards, cabinet face frames and valences. Approximate carving time is 4 minutes.



DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Classical rail - A	550 x 120	2	RCS-402
Florentine rail - B	550 x 130	2	RCS-404
Cascade rail - C	530 x 110	3	RCS-405
Folklore rail - D	550 x 110	3	RCS-406
Rail holding frame			RCS-004

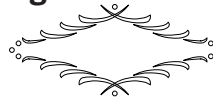


## Drawer and furniture carvings

A



B



C



D



E



F



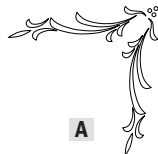
Originally intended for drawer fronts, these designs are great for lots of other projects: small doors, side panels of cabinets, furniture and more. For door and drawer combinations, match the style of the door designs above. Approximate carving time is 4 minutes.

DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Classical drawer - A	210 x 70	2	RCS-502
Florentine drawer - B	195 x 85	2	RCS-504
Cascade drawer - C	250 x 65	1	RCS-505
Folklore drawer - D	250 x 40	2	RCS-506
Roma drawer - E	190 x 65	2	RCS-507
Blaze drawer - F	250 x 110	2	RCS-510
Drawer holding frame			RCS-005

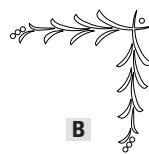


## Corner & small decoration carving designs

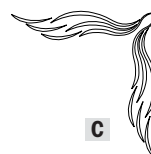
A



B



C



D

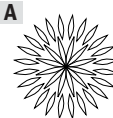


DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Classical corner - A	155 x 40	3	RCS-602
Florentine corner - B	120 x 30	3	RCS-604
Cascade corner - C	190 x 40	3	RCS-605
Folklore corner - D	150 x 45	3	RCS-606
Corner holding frame			RCS-006

## Rosette carvings

You get two templates for the price of one with these designs! Each item includes templates for two sizes of rosette. Use with the rosette frame sold above, or use the large rosettes with the cabinet door frame or small rosettes with rail frame.

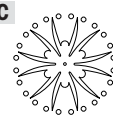
A



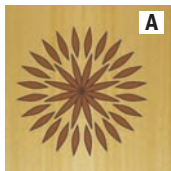
B



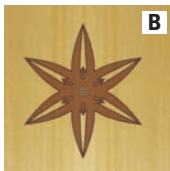
C



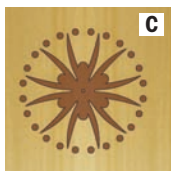
D



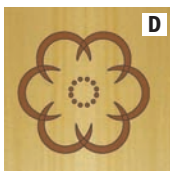
A



B



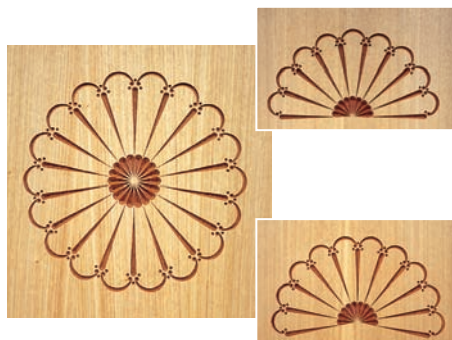
C



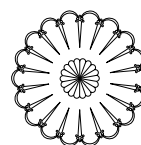
D

DESCRIPTION	Carving diameter mm	No. of templates	ORDER NO.
Rosette #1 & #5 - A	85 & 68	2 & 2	RCS-701
Rosette #2 & #6 - B	88 & 70	1 & 1	RCS-702
Rosette #3 & #7 - C	82 & 65	1 & 1	RCS-703
Rosette #4 & #8 - D	79 & 62	1 & 1	RCS-704
Rosette holding frame			RCS-007

### Southwestern carving designs



These popular Southwestern designs are actually several shapes in one. Both sizes can be routed as circular carvings, or use only portions of the template to suit your project.



Rout the complete spanish fan design or make partial rosettes

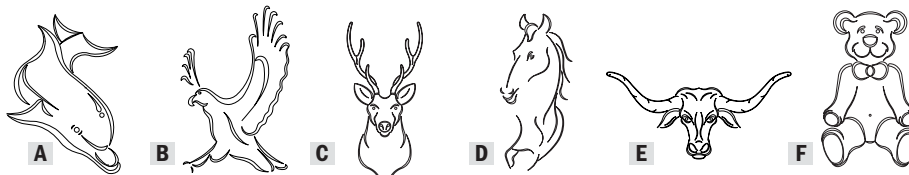


DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Large spanish fan	400	1	RCS-801
Small spanish fan	200	1	RCS-802
Rosette holding frame			RCS-007

### Just for fun: Designs For every animal lover!



Your imagination will be your guide on these neat designs. Furniture or decorations for the kids, paneling for the den or rec room, a gift for the sportsman - who knows?



DESCRIPTION	Carving dimensions mm	No. of templates	ORDER NO.
Dolphin - A	200 x 290	4	RCS-803
Eagle - B	178 x 298	4	RCS-804
Deer - C	394 x 190	4	RCS-901
Horse - D	445 x 203	3	RCS-902
Longhorn - E	419 x 194	4	RCS-904
Teddy bear - F	394 x 203	3	RCS-906
Cabinet door holding frame			RCS-003

## Organizer

### 100 bits at your fingertips

When you constantly work on projects, you always need your most used bits right within hand's reach and safely organized. CMT gives you the perfect solution for keeping them all in sight, thanks to the 100 piece organizer. This conveniently holds any size router or drill bit by using CMT's interchangeable bushings to fit all CMT shank diameters. See options listed below.

# 03.51



DESCRIPTION	ORDER NO.
Bit organizer (without bushings)	03.51.0106
Interchangeable bushings for Ø6mm shank (20 pcs)	03.51.0046A
Interchangeable bushings for Ø6,35mm shank (20 pcs)	03.51.0047A
Interchangeable bushings for Ø8mm shank (20 pcs)	03.51.0048A
Interchangeable bushings for Ø9,5mm shank (20 pcs)	03.51.0057A
Interchangeable bushings for Ø10mm shank (20 pcs)	03.51.0058A
Interchangeable bushings for Ø12mm shank (20 pcs)	03.51.0059A
Interchangeable bushings for Ø12,7mm shank (20 pcs)	03.51.0049A

# Formula 2050: blade and bit cleaner

Finally a safe, environmentally-friendly cleaner that is more effective than all those hazardous chemicals used for cleaning cutting tools.

**998**

Saw shops know how to get the most out of cutting tools. They know that the pitch and resin left by wood on tools greatly shortens the useful life of carbide. Therefore we asked many blade sharpeners to test Formula 2050 and they rated it as an excellent product.

Most blade and bit cleaning products work with dissolving action, but it takes some power and nasty chemicals to dissolve wood residues and adhesives.

CMT's non-toxic and safe Formula 2050 penetrates the microscopic cracks in the resin and attacks the bond between carbide or steel surfaces and the resin itself.

Formula 2050 keeps your tools clean and helps you increase the life span between sharpening and replacement.



- Removes pitch, resin and adhesive residue from all woodworking cutting tools (saw blades, router bits, drill bits, shaper cutters, planer blades, etc.).
- Completely non-toxic, non-flammable and certified biodegradable. Formula 2050 is a safe, earth-friendly product.
- Do not rinse after cleaning. Formula 2050 provides protection from rust and corrosion. Keeps your table saw top rust free too!
- Can be applied by spray bottle or used in ultrasonic cleaners and dip tanks.

★★★★★ This product received a five-star performance rating from "Wood" Magazine

DESCRIPTION	ORDER NO.
0,500 lt. spray bottle	998.001.01
3,780 lt. plastic jug	998.001.03

# Lubricant for wood

Neutralizes resin

- Neutralizes resin, preventing it from being stuck on chips and sawdust.
- Cleans knobs, barbell handles, etc.
- Anti-corrosion action on woodworking machine table.
- Excellent against humidity.

**Instruction:**

Spray or apply the product on the desired parts of your woodworking machine. You will obtain a uniform layer on its surface that will aid in the sliding of your workpiece.

**998**



DESCRIPTION	ORDER NO.
1 lt. spray bottle (master packaging 12 bottles)	998.002.01
5 lt. plastic jug	998.002.03

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Diamond whetstones

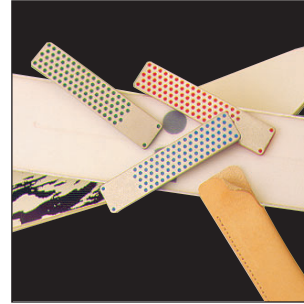
**For professional, industrial and home users**

**FAST:** real quality diamond, the hardest known material, reduces the sharpening process.

**EASY:** stoke the blade across surface with little pressure.

**DURABLE:** we use natural diamonds for long-lasting performance.

**VERSATILE:** or sharpening any hard material, steel, glass, ceramic, tungsten carbide, etc.



## For sharpening, honing and lapping

- axes
- bayonets
- broadheads
- cable cutters
- carbide cutters
- chainsaws
- chisels
- climbing equipment
- engraving tools
- farm and garden tools
- fish hooks
- Fostner bits
- knives
- lapidary tools
- lawn mower blades
- masonry drills
- moulds and dies
- plane blades
- planer / jointer knives
- pruners
- ring tool
- router bits
- saw blades
- scissors
- shears
- ski and snowboard edges
- small contact area and pointed tools
- speed and hockey skates
- woodcarving scrapers
- woodturning tools

## For abrading hard materials

- ceramic
- composites
- fibreglass
- glass
- stainless steel
- stone
- titanium
- tool steel
- tungsten carbide

## For flattening

- chisel backs
- engine heads
- machine bolsters and ways

## Mini-diamond whetstone in plastic cases

Dimensions mm	Grains	Colour	ORDER NO.
70 x 24 x 2	D15 extrafine	green	DSS-070E
70 x 24 x 2	D46 coarse	blue	DSS-070M

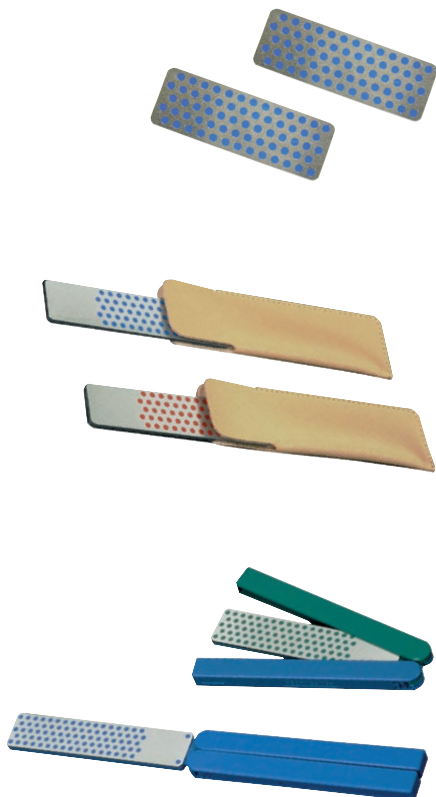
**Until stocks last**

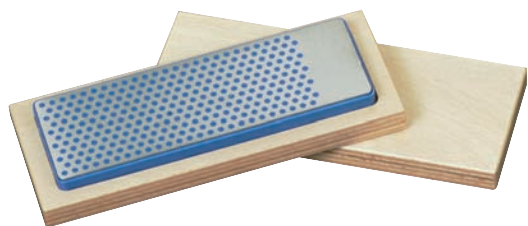
## Universal diamond whetstone in leather sheaths

Dimensions mm	Grains	Colour	ORDER NO.
115 x 25 x 3	D15 extrafine	green	DSS-115E
115 x 25 x 3	D25 fine	red	DSS-115F
115 x 25 x 3	D46 coarse	blue	DSS-115M
115 x 25 x 3	D76 extracoarse	black	DSS-115G

## Hinged double sided diamond whetstones

Dimensions mm	Grains	Colour	ORDER NO.
115 x 25 x 5	D15/25 extrafine/fine	green/red	DSS-115EF
115 x 25 x 5	D15/46 extrafine/coarse	green/blue	DSS-115EM





## Universal diamond whetstones in hardwood case

Dimensions mm	Grains	Colour	ORDER NO.
150 x 52 x 16	D15 extrafine	green	DSS-150E
150 x 52 x 16	D25 fine	red	DSS-150F
150 x 52 x 16	D46 coarse	blue	DSS-150M
150 x 52 x 16	D76 extracoarse	black	DSS-150G

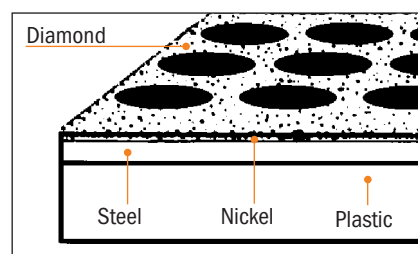


## Diamond whetstone file

Dimensions mm	Grain	Colour	ORDER NO.
100 Ø4,8	D54 coarse	blue	DSS-048M

### A unique production process to guarantee a long tool life

A perforated steel plate is moulded onto a strong plastic base by applying high pressure. The steel is then covered with natural diamonds embedded into a nickel plate. The pattern of diamond coating ensures fast sharpening, whereas the plastic indents hold the lubricating water and disperse the fine dust emitted by the diamonds during sharpening.



The diamond whetstones are available in four meshes for multiple purposes:

#### **D15 EXTRAFINE/GREEN** (9 microns, 1200 mesh)

To refine and polish sharp edges to razor sharp perfection. If you are new to sharpening or need your knife or tool edges as sharp as possible, this grain type is not recommended, but if this suffice, then this is what you are looking for.

#### **D25 FINE/RED** (25 microns, 600 mesh)

To restore any slightly dull knife or tool edges to perfect sharpness. Many customers consider the fine grit grain to be suitable to satisfy any working need. Professional chefs and gourmet cooks prefer using this grit grain too. For woodworkers and sportsmen who are stepping through this grit, it is the edge refinement process before micro-refinement and polishing.

#### **D46 COARSE/BLUE** (45 microns, 325 mesh)

To quickly restore dull edges to cutting sharp again. Workers who need fast cutting action without caring for edge refinement often use this grit grain.

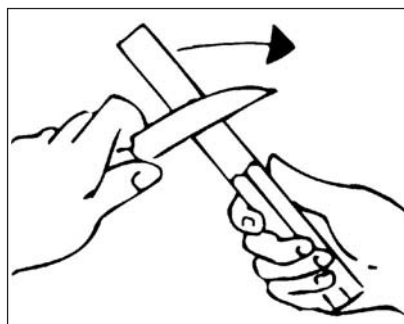
#### **D76 EXTRA-COARSE/BLACK** (60 microns, 220 mesh)

Recommended for aggressive removal of metal on damaged tools or for heavy-duty outdoor tools such as axes and lawn mower blades. Also, this grit grain is commonly used as a first step for flattening the back of chisel and plane irons or for rapid stock removal from chipped or badly damaged edges.

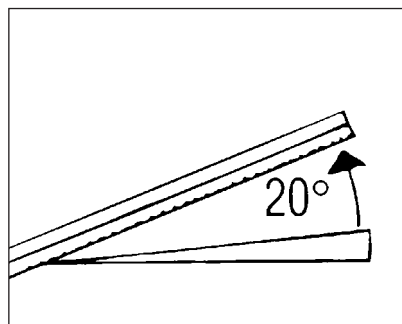
## Instructions

**Use water for lubrication, after use, rinse and store dry.**

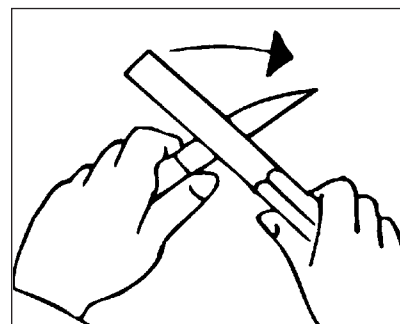
**1.** Keep your knife with cutting edge away from you.



**2.** Apply some water to the stone surface. Hold blade 20° to diamond surface.



**3.** With little pressure and in long strokes push the blade across surface. From edge heel to edge tip, alternately on both sides. For pointed tools. Use the unperforated diamond area.



# Digital angle gauge

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

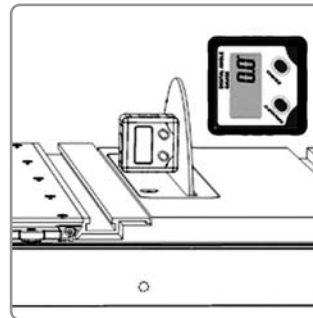
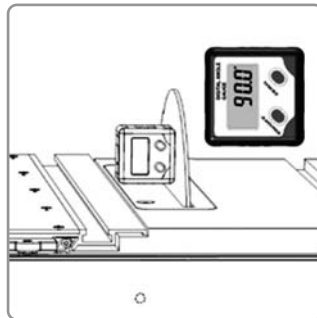
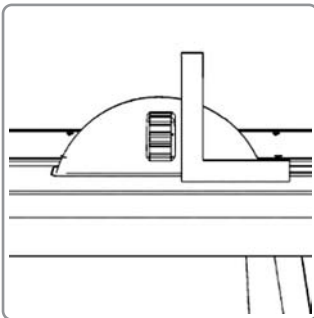
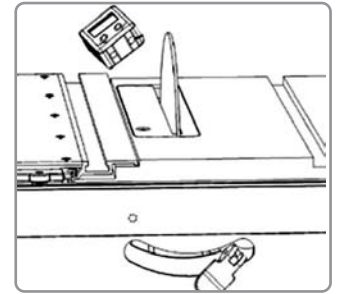
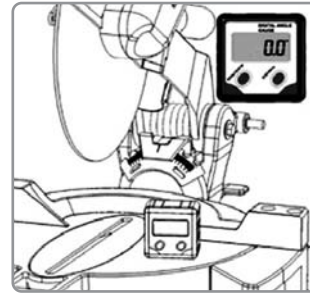


## DAG-001

The digital angle gauge is a mini waterproof digital protractor that provides digital readings between  $\pm 180^\circ$  with a resolution of  $0,1^\circ$  and auto shut off after 5 minutes. It is small enough to be carried around in a pocket and the LED screen is convenient to read. It incorporates magnets in the base for adhesion to any ferrous surface to accurately measure mitre and bevel angles on mitre saws, saw benches, etc.

### TECHNICAL DETAILS:

- battery voltage/type  
3V/L lithium;
- 51x51x33mm size;
- $\pm 180^\circ$  range;
- $0,1^\circ$  resolution.



### DESCRIPTION

Digital angle gauge

### ORDER NO.

DAG-001

# Digital angle finder

## DAF-001

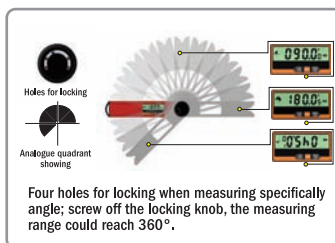
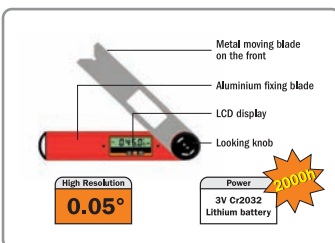
This digital angle finder is a multi-functional tool for many measuring applications. Easy to operate the base unit carries the electronics giving a very clear detailed LCD display as well as a pair of levelling vials and a pivoting measuring arm. When the arm is extended the angle it makes with the base is indicated clearly on digital read-out to the nearest  $0,05^\circ$ . The measuring range is  $0 - 360^\circ$ . The vials allow variations from the vertical and the horizontal 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. Being robust but light in weight this is a very well thought out tool with a lot of uses. Instructions included.

Easy and simple to use;

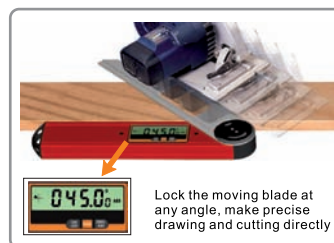
- Calculates angles in seconds;
- Large detailed LCD display;
- Robust, lightweight aluminium construction;
- $0 - 360^\circ$  measuring range.

### TECHNICAL DETAILS:

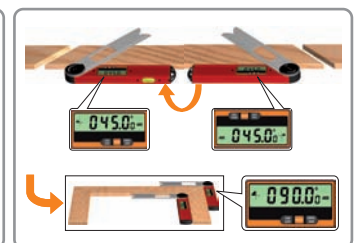
- 265x50x25mm size;
- $\pm 0-360^\circ$  range;
- $0,05^\circ$  resolution.



Four holes for locking when measuring specifically angle; screw off the locking knob, the measuring range could reach  $360^\circ$ .



Lock the moving blade at any angle, make precise drawing and cutting directly



### DESCRIPTION

Digital angle finder

### ORDER NO.

DAF-001

# Router bits display cabinets

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. Made with a sturdy hardwood frame and three glass panels, it is the ideal counter-top display. Holds 42 of our most popular router bits and spare parts - 2 pcs. each for 84 pcs. total or 3 pcs. each for 126 pcs. total. The wooden slat back wall allows for easy bit organization and comes standard with front door lock. The cabinet is available with router bits with 6mm and 8mm shanks.

Dimensions are in cm.



*Suitable for cutter heads*



## 700.084.00 Shank Ø6mm

Order no.	Description	Q.ty
701.190.11	Mortising bit	2
706.096.11	Flush trim bit w/bearing	2
706.127.11	Flush trim bit w/bearing	2
706.190.11	Flush trim bit w/bearing	2
711.030.11	Straight bit	2
711.040.11	Straight bit	2
711.050.11	Straight bit	2
711.060.11	Straight bit	2
711.080.11	Straight bit	2
711.100.11	Straight bit	2
711.120.11	Straight bit	2
711.160.11	Straight bit	2
711.200.11	Straight bit	2
712.060.11	Straight bit	2
712.120.11	Straight bit	2
714.060.11	Round nose bit	2
714.095.11	Round nose bit	2
715.060.11	V-Grooving bit (90°)	2
715.127.11	V-Grooving bit (90°)	2
716.060.11	Panel pilot bit	2
718.127.11	Dovetail bit	2
727.060.11	Ovolo bit	2
735.317.11	Rabbeting bit w/bearing	2
736.190.11	Chamfer bit w/bearing	2
736.280.11	Chamfer bit w/bearing	2
737.222.11	Round nose bit w/bearing	2
737.286.11	Round nose bit w/bearing	2
737.350.11	Round nose bit w/bearing	2
738.254.11	Ovolo bit w/bearing	2
738.317.11	Ovolo bit w/bearing	2
738.380.11	Ovolo bit w/bearing	2
740.270.11	Roman ogee bit w/bearing	2
741.285.11	Roman ogee bit w/bearing	2
744.287.11	Roman ogee bit w/bearing	2
746.325.11	Roman ogee bit w/bearing	2
748.190.11	Roman ogee bit	2
754.003.11	Bull nose bit	2
759.040.11	Roman ogee bit w/bearing	2
791.002.00	Bearing	2
791.003.00	Bearing	2
990.058.00	Bearing screw	2
991.057.00	Hex key for bearing screw	2

## 900.084.00 Shank Ø8mm

Order no.	Description	Q.ty
901.190.11	Mortising bit	2
906.096.11	Flush trim bit w/bearing	2
906.127.11	Flush trim bit w/bearing	2
906.190.11	Flush trim bit w/bearing	2
911.030.11	Straight bit	2
911.040.11	Straight bit	2
911.050.11	Straight bit	2
911.060.11	Straight bit	2
911.080.11	Straight bit	2
911.100.11	Straight bit	2
911.120.11	Straight bit	2
911.160.11	Straight bit	2
911.200.11	Straight bit	2
912.060.11	Straight bit	2
912.120.11	Straight bit	2
914.060.11	Round nose bit	2
914.095.11	Round nose bit	2
915.060.11	V-Grooving bit (90°)	2
915.127.11	V-Grooving bit (90°)	2
916.080.11	Panel pilot bit	2
918.127.11	Dovetail bit	2
927.060.11	Ovolo bit	2
935.317.11	Rabbeting bit w/bearing	2
936.190.11	Chamfer bit w/bearing	2
936.280.11	Chamfer bit w/bearing	2
937.222.11	Round nose bit w/bearing	2
937.286.11	Round nose bit w/bearing	2
937.350.11	Round nose bit w/bearing	2
938.254.11	Ovolo bit w/bearing	2
938.317.11	Ovolo bit w/bearing	2
938.380.11	Ovolo bit w/bearing	2
940.270.11	Roman ogee bit w/bearing	2
941.285.11	Roman ogee bit w/bearing	2
944.287.11	Roman ogee bit w/bearing	2
946.325.11	Roman ogee bit w/bearing	2
948.190.11	Roman ogee bit	2
954.003.11	Bull nose bit	2
959.040.11	Roman ogee bit w/bearing	2
791.002.00	Bearing	2
791.003.00	Bearing	2
990.058.00	Bearing screw	2
991.057.00	Hex key for bearing screw	2

DESCRIPTION	ORDER NO.
Display cabinet with: 76 HW Router bits (S=Ø6mm), 8 Spare parts (2 pcs. each)	<b>700.084.00</b>
Display cabinet with: 76 HW Router bits (S=Ø8mm), 8 Spare parts (2 pcs. each)	<b>900.084.00</b>
Display cabinet only	<b>03.00.0000</b>



# Display cabinets



This sturdy structure is hand-crafted using wood, tempered glass and iron and is free-standing to offer 360° visibility and to give you the versatility of positioning the display anywhere you like in the store. The front is a convenient 2 component assembly. The two upper sections are designed to display 141 of the best selling router bits line and 20 corresponding spare parts; while 10 of the popular wooden box sets can fit perfectly in the lower section if required. Alternatively you can display up to 15 different types of saw blades; 4 of which can be up to 185mm in diameter, 9 of which can be up to 250mm and 2 up to 350mm in diameter.

Dimensions are in cm.



Suitable for saw blades

The products shown in the images do not correspond to the actual products in the display cabinets (700.300.00L and 900.300.00L)

DESCRIPTION	ORDER NO.
Display cabinets with: 240 HW router bits (S=Ø6mm), 60 spare parts (saw blades at your choice)	700.300.00L
Display cabinets with: 240 HW router bits (S=Ø8mm), 60 spare parts (saw blades at your choice)	900.300.00L
21 pcs. HW router bits with shank Ø12mm for our display cabinet (optional)	900.021.00
Display cabinet only for router bits and cutter heads and knives (empty)	03.00.0032
Display cabinet only for saw blades (empty)	03.00.0033

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# List of items included in display cabinets



## 700.300.00L Shank Ø6mm

Order no.	Description	Q.ty	Order no.	Description	Q.ty	Order no.	Description	Q.ty
<b>700.240.00 KIT 240 ROUTER BITS WITH SHANK Ø6MM</b>			714.127.11	Round nose bit	2	748.190.11	Roman ogee bit	2
701.127.11	Mortising bit	2	714.160.11	Round nose bit	2	748.190.11B	Roman ogee bit w/bearing	2
701.160.11	Mortising bit	2	714.190.11	Round nose bit	2	749.001.11	60° Lettering bit	2
701.190.11	Mortising bit	2	714.190.11B	Round nose bit	2	750.001.11	Keyhole bit	2
701.190.11B	Mortising bit	2	715.060.11	V-Grooving bit (90°)	2	751.002.11	Bowl and tray bit	2
703.240.11	Chamfer bit	2	715.095.11	V-Grooving bit (90°)	2	751.002.11B	Bowl and tray bit	2
704.240.11	Chamfer bit	2	715.127.11	V-Grooving bit (90°)	2	753.001.11	Flush and V-groove bit	2
705.240.11	Chamfer bit	2	715.190.11	V-Grooving bit (90°)	2	754.002.11	Bull nose bit	2
706.095.11	Flush trim bit w/bearing	2	715.190.11B	V-Grooving bit (90°)	2	754.003.11	Bull nose bit	2
706.096.11	Flush trim bit w/bearing	2	716.060.11	Panel pilot bit	2	754.004.11	Bull nose bit	2
706.127.11	Flush trim bit w/bearing	2	716.061.11	Panel pilot bit	2	758.001.11	Laser point bit (60°)	2
706.128.11	Flush trim bit w/bearing	2	718.095.11	Dovetail bit	2	759.040.11	Roman ogee bit w/bearing	2
706.190.11	Flush trim bit w/bearing	2	718.127.11	Dovetail bit	2	759.064.11	Roman ogee bit w/bearing	2
707.210.11	Combination flush and bevel trim bit	2	718.158.11	Dovetail bit	2	760.040.11	Roman ogee bit w/bearing	2
709.260.11	Bevel trim and chamfer bit	2	718.190.11	Dovetail bit	2	760.064.11	Roman ogee bit w/bearing	2
710.260.11	Bevel trim and chamfer bit	2	721.030.11	Combination trimmer bit	2	796.000.00	Collet chuck	2
711.020.11	Straight bit	2	724.060.10	Slot cutter arbor	2	796.560.00	Collet	2
711.030.11	Straight bit	2	727.040.11	Ovolo bit	2	796.580.00	Collet	2
711.040.11	Straight bit	2	727.050.11	Ovolo bit	2	796.595.00	Collet	2
711.050.11	Straight bit	2	727.060.11	Ovolo bit	2	822.320.11	Slot cutter	2
711.060.11	Straight bit	2	727.080.11	Ovolo bit	2	822.325.11	Slot cutter	2
711.070.11	Straight bit	2	727.095.11	Ovolo bit	2	822.330.11	Slot cutter	2
711.080.11	Straight bit	2	735.317.11	Rabbeting bit w/bearing	2	822.335.11	Slot cutter	2
711.090.11	Straight bit	2	736.130.11	Chamfer bit w/bearing	2	822.340.11	Slot cutter	2
711.100.11	Straight bit	2	736.190.11	Chamfer bit w/bearing	2	822.350.11	Slot cutter	2
711.110.11	Straight bit	2	736.280.11	Chamfer bit w/bearing	2	822.360.11	Slot cutter	2
711.120.11	Straight bit	2	736.420.11	Chamfer bit w/bearing	2			
711.130.11	Straight bit	2	737.190.11	Round nose bit w/bearing	2	<b>900.060.00 KIT WITH 60 SPARE PARTS</b>		
711.130.11B	Straight bit	2	737.222.11	Round nose bit w/bearing	2	541.003.00	Stop collar for top bearing bit	3
711.140.11	Straight bit	2	737.254.11	Round nose bit w/bearing	2	541.004.00	Stop collar for top bearing bit	3
711.150.11	Straight bit	2	737.286.11	Round nose bit w/bearing	2	791.002.00	Bearing	3
711.150.11B	Straight bit	2	737.350.11	Round nose bit w/bearing	2	791.003.00	Bearing	3
711.160.11	Straight bit	2	738.160.11	Ovolo bit w/bearing	2	791.004.00	Bearing	3
711.180.11	Straight bit	2	738.190.11	Ovolo bit w/bearing	2	791.006.00	Bearing	3
711.190.11	Straight bit	2	738.222.11	Ovolo bit w/bearing	2	791.007.00	Bearing	3
711.190.11B	Straight bit	2	738.254.11	Ovolo bit w/bearing	2	791.012.00	Bearing	3
711.200.11	Straight bit	2	738.285.11	Ovolo bit w/bearing	2	791.018.00	Bearing	3
711.220.11	Straight bit	2	738.317.11	Ovolo bit w/bearing	2	791.023.00	Bearing	3
711.240.11	Straight bit	2	738.380.11	Ovolo bit w/bearing	2	791.024.00	Bearing	3
711.250.11	Straight bit	2	740.270.11	Roman ogee bit w/bearing	2	791.025.00	Bearing	3
712.060.11	Straight bit	2	740.350.11	Roman ogee bit w/bearing	2	799.060.00	Bushing	3
712.080.11	Straight bit	2	741.285.11	Roman ogee bit w/bearing	2	990.004.00	Bearing screw	3
712.100.11	Straight bit	2	741.380.11	Roman ogee bit w/bearing	2	990.005.00	Bearing screw	3
712.120.11	Straight bit	2	744.287.11	Roman ogee bit w/bearing	2	990.058.00	Bearing screw	3
712.150.11B	Straight bit	2	744.350.11	Roman ogee bit w/bearing	2	990.059.00	Bearing screw	3
712.160.11	Straight bit	2	745.287.11	Roman ogee bit w/bearing	2	991.056.00	Hex key for bearing screw	3
714.032.11	Round nose bit	2	745.350.11	Roman ogee bit w/bearing	2	991.057.00	Hex key for bearing screw	3
714.060.11	Round nose bit	2	746.325.11	Roman ogee bit w/bearing	2	991.062.00	Hex key for bearing screw	3
714.095.11	Round nose bit	2	747.325.11	Roman ogee bit w/bearing	2			

## 900.300.00L Shank Ø8mm

Order no.	Description	Q.ty	Order no.	Description	Q.ty	Order no.	Description	Q.ty
<b>900.240.00 KIT 240 ROUTER BITS WITH SHANK Ø8MM</b>			914.160.11	Round nose bit	2	945.350.11	Roman ogee bit w/bearing	2
901.127.11	Mortising bit	2	914.160.11B	Round nose bit w/bearing	2	946.325.11	Roman ogee bit w/bearing	2
901.160.11	Mortising bit	2	914.190.11	Round nose bit	2	947.325.11	Roman ogee bit w/bearing	2
901.160.11B	Mortising bit w/bearing	2	915.060.11	V-Grooving bit (90°)	2	948.190.11	Roman ogee bit	2
901.180.11	Mortising bit	2	915.095.11	V-Grooving bit (90°)	2	950.001.11	Keyhole bit	2
901.190.11	Mortising bit	2	915.127.11	V-Grooving bit (90°)	2	951.002.11	Bowl and tray bit	2
901.200.11	Mortising bit	2	915.160.11	V-Grooving bit (90°)	2	953.001.11	Flush and V-groove w/bearing	2
903.240.11	Chamfer bit	2	915.160.11B	V-Grooving bit (90°) w/bearing	2	954.002.11	Bull nose bit	2
904.240.11	Chamfer bit	2	916.080.11	Panel pilot bit	2	954.003.11	Bull nose bit	2
905.240.11	Chamfer bit	2	918.095.11	Dovetail bit	2	954.004.11	Bull nose bit	2
906.095.11	Flush trim bit w/bearing	2	918.127.11	Dovetail bit	2	958.001.11	Laser point bit (60°)	2
906.096.11	Flush trim bit w/bearing	2	918.158.11	Dovetail bit	2	959.040.11	Roman ogee bit w/bearing	2
906.127.11	Flush trim bit w/bearing	2	918.190.11	Dovetail bit	2	959.064.11	Roman ogee bit w/bearing	2
906.128.11	Flush trim bit w/bearing	2	921.030.11	Combination trimmer bit	2	960.040.11	Roman ogee bit w/bearing	2
906.190.11	Flush trim bit w/bearing	2	924.080.00	Slot cutter arbor	2	960.064.11	Roman ogee bit w/bearing	2
907.210.11	Combination flush and bevel trim bit	2	924.080.10	Slot cutter arbors w/bearing	2	796.000.00	Collet chuck	2
909.260.11	Bevel trim and chamfer bit w/bearing	2	927.040.11	Ovolo bit	2	796.560.00	Collet	2
910.260.11	Bevel trim and chamfer bit w/bearing	2	927.050.11	Ovolo bit	2	796.580.00	Collet	2
911.030.11	Straight bit	2	927.060.11	Ovolo bit	2	796.595.00	Collet	2
911.040.11	Straight bit	2	927.080.11	Ovolo bit	2	822.320.11	Slot cutter	2
911.050.11	Straight bit	2	927.095.11	Ovolo bit	2	822.325.11	Slot cutter	2
911.060.11	Straight bit	2	935.001.11	Rabbeting bit w/bearing	2	822.330.11	Slot cutter	2
911.070.11	Straight bit	2	935.317.11	Rabbeting bit w/bearing	2	822.335.11	Slot cutter	2
911.080.11	Straight bit	2	935.350.11	Rabbeting bit w/bearing	2	822.340.11	Slot cutter	2
911.090.11	Straight bit	2	935.502.11	Rabbeting set w/bearing	2	822.350.11	Slot cutter	2
911.100.11	Straight bit	2	936.130.11	Chamfer bit w/bearing	2	822.360.11	Slot cutter	2
911.120.11	Straight bit	2	936.190.11	Chamfer bit w/bearing	2			
911.140.11	Straight bit	2	936.280.11	Chamfer bit w/bearing	2	<b>900.060.00 KIT WITH 60 SPARE PARTS</b>		
911.150.11	Straight bit	2	936.420.11	Chamfer bit w/bearing	2	541.003.00	Stop collar for top bearing bit	3
911.160.11	Straight bit	2	937.190.11	Round nose bit w/bearing	2	541.004.00	Stop collar for top bearing bit	3
911.160.11B	Straight bit w/bearing	2	937.222.11	Round nose bit w/bearing	2	791.002.00	Bearing	3
911.180.11	Straight bit	2	937.254.11	Round nose bit w/bearing	2	791.003.00	Bearing	3
911.200.11	Straight bit	2	937.286.11	Round nose bit w/bearing	2	791.004.00	Bearing	3
911.220.11	Straight bit	2	937.350.11	Round nose bit w/bearing	2	791.006.00	Bearing	3
911.220.11B	Straight bit w/bearing	2	938.160.11	Ovolo bit w/bearing	2	791.007.00	Bearing	3
911.240.11	Straight bit	2	938.190.11	Ovolo bit w/bearing	2	791.012.00	Bearing	3
911.250.11	Straight bit	2	938.222.11	Ovolo bit w/bearing	2	791.018.00	Bearing	3
912.060.11	Straight bit	2	938.254.11	Ovolo bit w/bearing	2	791.023.00	Bearing	3
912.080.11	Straight bit	2	938.285.11	Ovolo bit w/bearing	2	791.024.00	Bearing	3
912.100.11	Straight bit	2	938.317.11	Ovolo bit w/bearing	2	791.025.00	Bearing	3
912.120.11	Straight bit	2	938.380.11	Ovolo bit w/bearing	2	799.060.00	Bushing	3
912.140.11	Straight bit	2	938.445.11	Ovolo bit w/bearing	2	990.004.00	Bearing screw	3
912.150.11	Straight bit	2	940.270.11	Roman ogee bit w/bearing	2	990.005.00	Bearing screw	3
912.160.11	Straight bit	2	940.350.11	Roman ogee bit w/bearing	2	990.058.00	Bearing screw	3
912.160.11B	Straight bit w/bearing	2	941.285.11	Roman ogee bit w/bearing	2	990.059.00	Bearing screw	3
914.032.11	Round nose bit	2	941.380.11	Roman ogee bit w/bearing	2	991.056.00	Hex key for bearing screw	3
914.060.11	Round nose bit	2	944.287.11	Roman ogee bit w/bearing	2	991.057.00	Hex key for bearing screw	3
914.095.11	Round nose bit	2	944.350.11	Roman ogee bit w/bearing	2	991.062.00	Hex key for bearing screw	3
914.127.11	Round nose bit	2	945.287.11	Roman ogee bit w/bearing	2			

## 900.021.00 Shank Ø12mm

Order no.	Description	Q.ty	Order no.	Description	Q.ty	Order no.	Description	Q.ty
900.506.11	Three wing slot cutter set	1	954.509.11	Bull nose bit	1	956.701.11	Table edge and hand rail bit	1
918.658.11	Dovetail bit	1	955.501.11	Reverse glue joint bit	1	956.801.11	Multiprofile bit with bearing	1
938.990.11	Ovolo bit with bearing	1	955.601.11	Finger pull bit	1	956.802.11	Multiprofile bit with bearing	1
938.991.11	Ovolo bit with bearing	1	955.901.11	Molding bit with bearing	1	956.851.11	CMT molding system	1
938.992.11	Ovolo bit with bearing	1	955.902.11	Molding bit with bearing	1	956.852.11	CMT molding system	1
938.993.11	Ovolo bit with bearing	1	956.501.11	Molding bit with bearing	1	990.501.11	Raised panel bit	1
954.507.11	Bull nose bit	1	956.601.11	Table edge and hand rail bit	1	991.501.11	Rail & Stile set	1

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

Display Cabinets

# Saw blades display cabinet

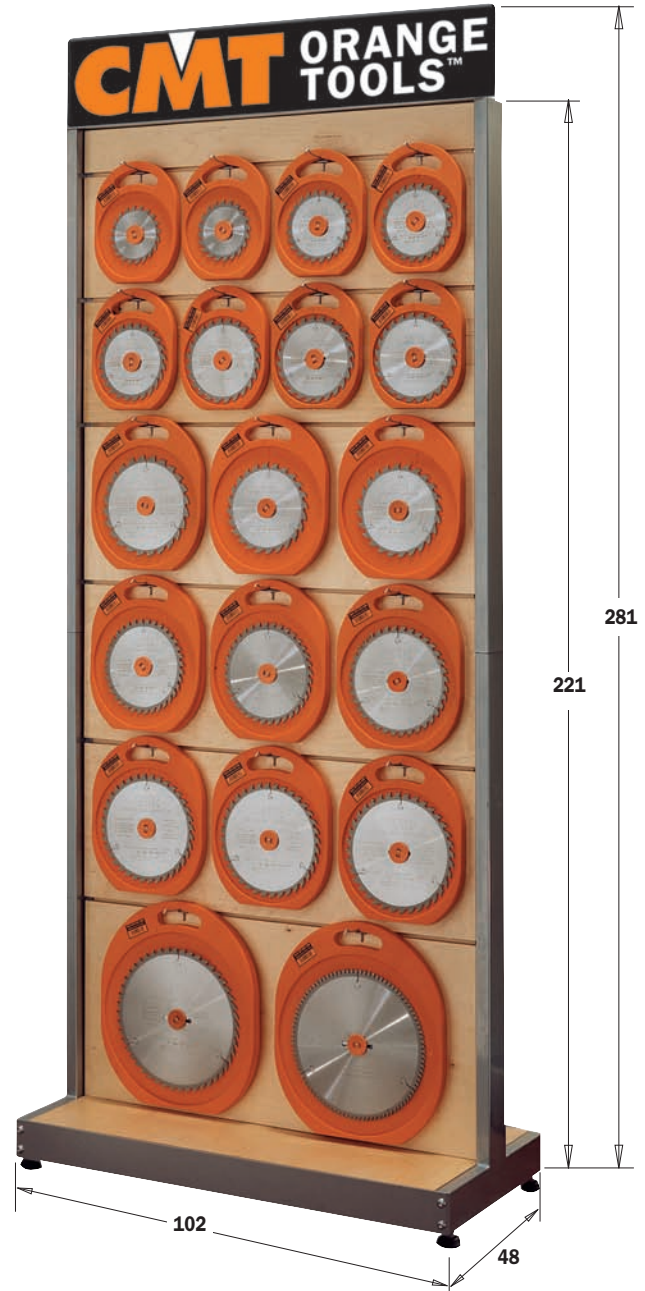


This sturdy structure is hand-crafted using wood and iron and is free-standing to offer 360° visibility and to give you the versatility of positioning the display anywhere you like in the store.

In both the front and the back of the display, you can hang up to 19 different types of saw blades: 8 of which can be up to 185mm in diameter, 9 of which can be up to 250mm and 2 up to 350mm in diameter.

The standard composition of the display cabinet contains 15 different types of blades for the most popular machines.

Dimensions are in cm.



**200.072.00**

Order no.	Description	Q.ty
291.125.20H	Saw blade 125x2.4x20 Z=20	2
291.130.20H	Saw blade 130x2.4x20 Z=20	2
291.140.20H	Saw blade 140x2.4x20 Z=20	2
291.150.24H	Saw blade 150x2.4x20 Z=24	2
291.150.24E	Saw blade 150x2.4x16 Z=24	2
291.160.24E	Saw blade 160x2.6x16 Z=24	2
291.160.24H	Saw blade 160x2.6x20 Z=24	2
292.160.40H	Saw blade 160x2.6x20 Z=40	2
291.170.24M	Saw blade 170x2.6x30 Z=24	2
291.180.24H	Saw blade 180x2.6x20 Z=24	2
291.180.24M	Saw blade 180x2.6x30 Z=24	2
291.184.24E	Saw blade 184x2.6x16 Z=24	2
291.190.24E	Saw blade 190x2.6x16 Z=24	2
291.190.24H	Saw blade 190x2.6x20 Z=24	2
291.190.24M	Saw blade 190x2.6x30 Z=24	2
292.190.40M	Saw blade 190x2.6x30 Z=40	2
291.200.36M	Saw blade 200x2.8x30 Z=36	2
291.210.36L	Saw blade 210x2.8x25 Z=36	2
291.210.36M	Saw blade 210x2.8x30 Z=36	2
290.216.24M	Saw blade 216x2.8x30 Z=24	2
291.216.48M	Saw blade 216x2.8x30 Z=48	2
292.216.64M	Saw blade 216x2.8x30 Z=64	2
291.220.36M	Saw blade 220x2.8x30 Z=36	2
291.230.36M	Saw blade 230x2.8x30 Z=36	2
291.235.36L	Saw blade 235x2.8x25 Z=36	2
291.235.36M	Saw blade 235x2.8x30 Z=36	2
291.240.36M	Saw blade 240x2.8x30 Z=36	2
285.040.10M	Saw blade 250x3.2x30 Z=40	2
285.060.10M	Saw blade 250x3.2x30 Z=60	2
285.080.10M	Saw blade 250x3.2x30 Z=80	2
285.048.12M	Saw blade 300x3.2x30 Z=80	2
285.054.14M	Saw blade 350x3.5x30 Z=54	2
297.064.09M	Saw blade 216x2.8x30 Z=64	2
297.080.10M	Saw blade 250x3.2x30 Z=80	2
297.096.12M	Saw blade 300x3.2x30 Z=96	2
297.108.14M	Saw blade 350x3.5x30 Z=108	2

DESCRIPTION	ORDER NO.
Display cabinet (big) with: 72 HW saw blades	<b>200.072.00</b>
Display cabinet only (big)	03.00.0027
Wire counter display only (small)	03.00.0030

## Display cabinets for drill bits

Start your stock of CMT drill and boring bits now and receive a 50 drawer super cabinet or a 15 drawer small cabinet to help you get organized. Each drawer has the capacity to contain more than 10 pieces.

Always have what you need on hand right when you need it.

Your customers will benefit from the easy access and visibility of the selection. Contact our office for terms and to choose the drill and boring bits you want from our vast range.

Dimensions are in cm.



Saw blades

Tools with bore  
& Knives

Router Bits  
& Sets

CNC Router Cutter  
& Chucks

Industrial  
Dowel Drills

Bits for Hand  
Power Tools

Spare Parts

Power Tools  
& Accessories

Display Cabinets

DESCRIPTION	ORDER NO.
Display cabinet for drill bits, 15 drawers	03.00.0019
Display cabinet for drill bits, 50 drawers	03.00.0020

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Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessoires

Display Cabinets

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948	144	956.501	148	981.531	161	CMT3000	270		
948B	144	956.601	151	990	152	CMT333	272-273		
949	127	956.701	151	990	254	CMT400	275		
949B	127	956.8	147	990.0	254	CMT5	259		
950.001	111	956.851	146	990.088	212	CMT6	258		
950.5	111	956.852	146	990.422	254	CMT650	271		

Saw blades

Tools with bore &amp; Knives

Router Bits &amp; Sets

CNC Router Cutter &amp; Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools &amp; Accessories

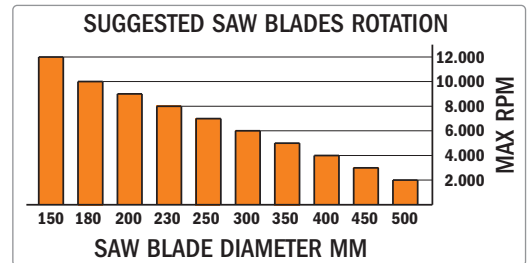
Display Cabinets

# 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)
Saw blades									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
Tools with bore & Knives	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
Router Bits & Sets	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
CNC Router Cutter & Chucks	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	34.926	60.326	85.726	111.126	136.526
	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
Industrial Dowel Drills	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
Bits for Hand Power Tools	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
Spare Parts	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
Power Tools & Accessories	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	101.806	127.206	152.606
	0.984375	63/64						25.003	50.403	75.803	102.203	127.603	153.003

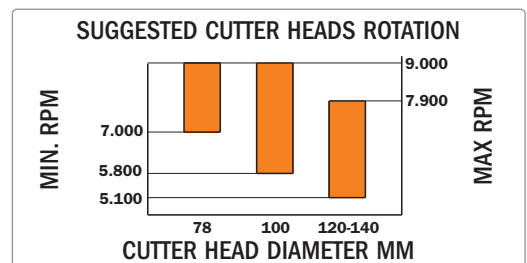
## Saw blade safety

- ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use a fence and splitter when using the table saw. Do not make freehand cuts.
- ALWAYS** use pusher blocks or a pusher stick, especially when working with small or narrow pieces.
- ALWAYS** unplug your saw before cleaning or adjusting the tool, or before making blade changes.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the work against the rotation of the blade on table saws.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards from radial arm saws and miter saws.
- NEVER** remove the splitter or anti-kickback devices from table saws.
- NEVER** use dull or damaged blades.
- NEVER** use blades with missing or chipped teeth.
- NEVER** force the cut or overload the saw.
- NEVER** change blades with the saw plugged in.
- NEVER** make adjustments to any saw while the blade is turning.



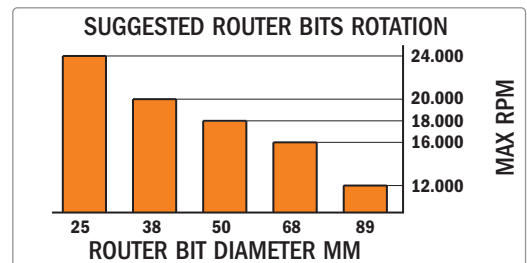
## Cutter head safety

- ALWAYS** thoroughly check all cutters for damage and flaws before using.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use guards that were supplied with your shaper.
- ALWAYS** use a fence with your shaper. Do not make freehand cuts.
- ALWAYS** use pusher blocks, especially when working with small or narrow pieces.
- ALWAYS** unplug your shaper before cleaning or adjusting the tool, or before making cutter or knife changes.
- ALWAYS** be sure the spindle nut is tight before plugging in the shaper.
- ALWAYS** check that knives are properly and securely installed in the cutterhead when using interchangeable-knife systems.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the work against the rotation of the knives.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards or any other safety devices from your shaper.
- NEVER** use dull or damaged knives.
- NEVER** force the cut or overload the shaper.
- NEVER** change cutters or knives or make adjustments with the shaper plugged in.
- NEVER** make adjustments to the shaper while the cutter is turning.



## Router bits safety

- ALWAYS** thoroughly check all tools for possible flaws before using.
- ALWAYS** wear safety glasses and ear protection.
- ALWAYS** thoroughly read the owners manual and manufacturer instructions before using.
- ALWAYS** check that at least 75% of the shank is securely inserted into the collet of the router.
- ALWAYS** use template guide collars when possible to absorb lateral bit deflection.
- ALWAYS** use a fence when working on the router table.
- ALWAYS** reduce the router speed when working with larger diameter bits.
- ALWAYS** keep your fence adjusted so there is some clearance between the bearing guide and the workpiece.
- ALWAYS** take care to remove large quantities of stock (cross section > 10mm) in more than one run.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- NEVER** use dull or defective, even suspiciously defective, tools.
- NEVER** force the shank entirely into the collet (bottoming out). Leave about a 3,2mm (1/8") space from the bottom.
- NEVER** force the bit into your router or overload the router.



## Explanation of symbol



Antikick-back



Radial relief



Tool with plunging capacity



Tool with bearing



Not for hand held use for router table only



Low noise saw blade



Tungsten carbide tipped



Solid tungsten carbide



High speed steel



Alloyed tools steel



High-alloyed tool steel



High performance steel



Polycrystalline diamond



Insert carbide



Polycrystalline diamond



One cutting edge



One + one cutting edges



Two cutting edges



Two + one cutting edges



Two + two cutting edges



Three cutting edges



Three + three cutting edges



Three cutting edges with chipbreaker



Four cutting edges



One spur



Two spur



Four spur



Right-hand rotation



Left-hand rotation



Right-hand & Left-hand rotation



Manual feed



Mechanical feed



Cardboard box for saw blades



Plastic carry case for saw blades



Plastic carry case for saw blades



Plastic carry case for saw blades



Plastic box for cutter head



Wear dust mask



Wear safety helmet



Wear safety glasses



Wear safety shoes



Wear five finger gloves



Wear ear protection



Warning



Industrial Thin-kerf blade



ORANGE CHROME



High performance tool

# 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.

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