

# CMT ORANGE TOOLS®

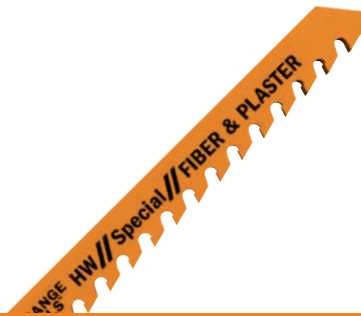
THE WIDEST TOOLING RANGE

CATALOGUE ENGLISH EDITION 2018

Saw Blades



Jig Saw Blades



Sabre Saw Blades



Tools for Multi-Cutters



Tools with Bore & Knives



Router Bits & Sets



CNC Router Cutters & Chucks



Industrial Dowel Drills



Bits for Hand Power Tools



Hole Saws



Power Tools



Accessories



WOOD Magazine **Best Overall** ROUTER BITS

CMT Overall Rating **10!**  
Top Performing Router Bits

# Welcome to the 2018 catalogue

*Dear Customer,*

*Thank you for your interest in CMT products.*

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

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

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

*A satisfied customer is worth more than any other achievement; therefore, each page of this catalogue contains CMT's highest commitment to the professional woodworker.*

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

*Our highly skilled engineers and design technicians are always keen to assist you with your woodworking operations.*

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

*Your CMT Team*



[www.cmtutensili.com](http://www.cmtutensili.com)

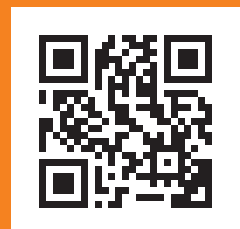


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## Abbreviations

<b>A</b>	= Cutting angle	<b>L</b>	= Overall length
$\alpha$	= Hook angle	<b>L<sub>1</sub></b>	= Working length
<b>ATB</b>	= Alternate top bevel grind	<b>LB</b>	= Adjusting length
<b>B</b>	= Bore diameter	<b>LH</b>	= Left-hand rotation
$\beta$	= Type of grind	<b>MATB</b>	= Alternate top bevel with chamfer grind
<b>COMBI3</b>	= Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60	<b>MTCG</b>	= Triple chip grind (trapezoidal) with chamfer
<b>COMBI5</b>	= Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120	<b>mm</b>	= Millimeters
<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>P</b>	= Plate thickness
<b>d</b>	= Small cutting diameter	<b>Pack Qty.</b>	= Dispatch package quantity
<b>D</b>	= Diameter	<b>PTFE</b>	= Non-stick industrial coating, black and orange
<b>D<sub>2</sub></b>	= Overall diameter	<b>R, R<sub>1</sub></b>	= Radius
<b>D<sub>3</sub></b>	= For shank diameter	<b>RH</b>	= Right-hand rotation
$\emptyset$	= Diameter	<b>RPM</b>	= Round per minute
<b>FFT</b>	= Flat flat trapezoidal	<b>S, S<sub>1</sub></b>	= Shank diameter
<b>FTG</b>	= Flat top grind	<b>T<sub>1</sub></b>	= Thickness / Maximum joint thickness
<b>FWF</b>	= Flat with alternate chamfer	<b>TCG</b>	= Triple chip grind (trapezoidal)
<b>H</b>	= Cutting depth	<b>TS</b>	= Tooth spacing
<b>HDF</b>	= Hollow ground teeth	<b>TPI</b>	= Teeth per inch
<b>I</b>	= Cutting length	<b>V</b>	= Spurs
<b>I<sub>1</sub></b>	= Short cutting length	<b>W</b>	= Width
<b>K</b>	= Kerf thickness	<b>Z</b>	= Number of teeth
		$\square$	= On request
		$\bullet$	= Solid tungsten carbide

## THE RIGHT TOOLS FOR THE BEST RESULTS!

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



	SAW BLADES	JIG SAW BLADES	SABRE SAW BLADES	MULTI-CUTTERS	HOLE SAWS
<b>WOOD</b>					CARBIDE
<b>WOOD &amp; METAL</b>		✓	✓	✓	
<b>METAL</b>					BI-METAL
<b>ALUMINIUM</b>					
<b>MULTI-MATERIAL</b>					
<b>PLASTIC</b>					
<b>MASONRY</b>					DIAMOND
<b>SPECIAL</b>					



## SAW BLADES

5~50



## JIG SAW BLADES

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## SABRE SAW BLADES

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## TOOLS FOR MULTI-CUTTERS

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## TOOLS WITH BORE & KNIVES

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## INDUSTRIAL DOWEL DRILLS

275~300



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301~319



## HOLE SAWS

320~332



## POWER TOOLS, JIGS & ACCESSORIES

333~365



## DISPLAY CABINETS

366~375



## SPARE PARTS

376~380

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

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



Pesaro, Italy



Greensboro, United States



Valencia, Spain

**OUR CHANNELS**

[www.cmtutensili.com](http://www.cmtutensili.com)



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Facebook: **CMT Orange Tools**

**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**

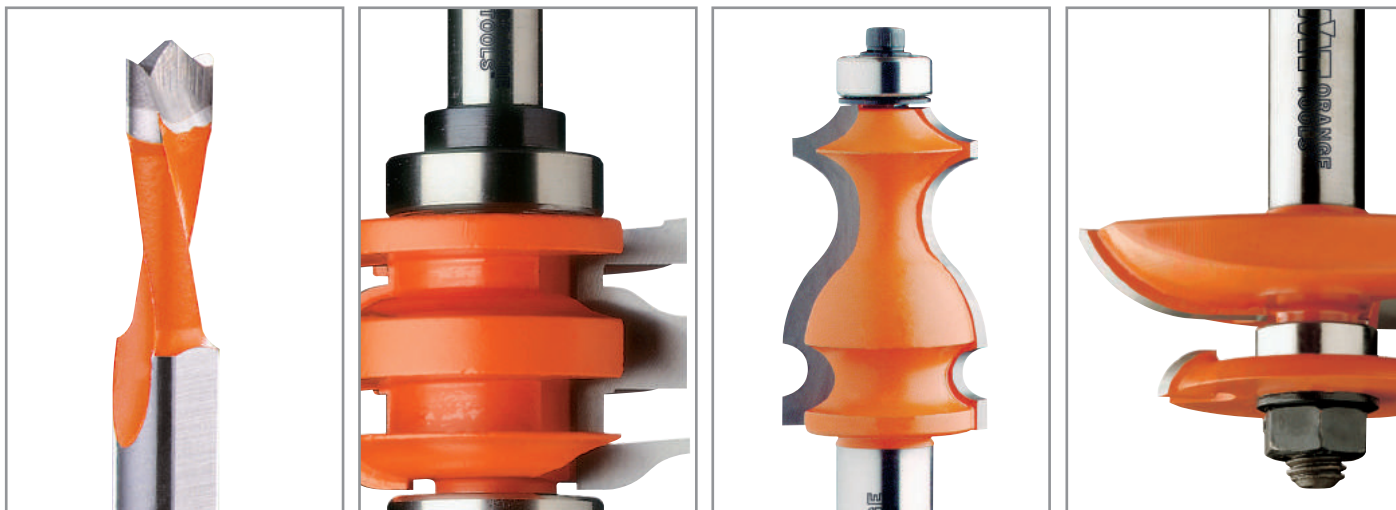
Turning a design into a finished product means finding the right material that will do the job and that lives up to the specifications set out in the design - quality performance from the final product depends on it. When it comes to selecting raw materials, we don't cut corners. At CMT, we know that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

**MANUFACTURING**

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

**THE FINAL TOUCH**

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



**QUALITY CONTROL**

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and 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



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## HOW WE PRODUCE OUR HIGH QUALITY BLADES

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



### DESIGN

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

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

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



### MATERIALS

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

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

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

### MANUFACTURING

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

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

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





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

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

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

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

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

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

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

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

















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



CMT’s fully automatic measuring system.

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



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

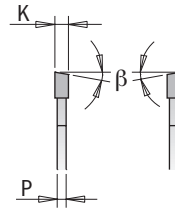
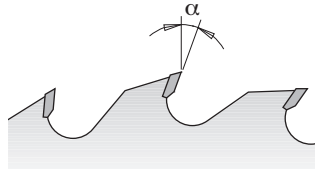
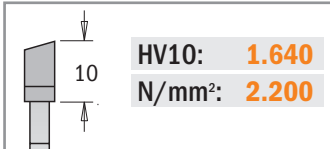
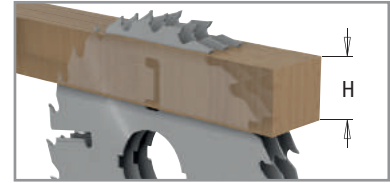


**279**

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

**MACHINES:** multi-rip machines with one or two shafts.

**MATERIAL:** (wet or dry) soft and hardwood.



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

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

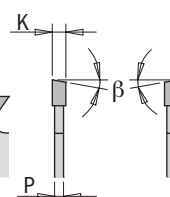
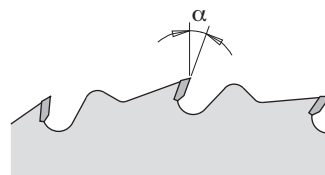
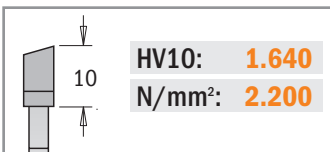


**278**

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

**MACHINES:** multi-rip machines with one or two shafts.

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



D mm	B mm	PIN HOLE	KEY WAY	Z	K mm	P mm	α	β	PACK Qty.	ORDER NO.
300	30	COMBI3		28	3,2	2,2	18°	10° ATB	1	278.028.12M
300	70		21 x 5	28	3,2	2,2	18°	10° ATB	1	278.028.12V
350	30	COMBI3		36	3,5	2,5	18°	10° ATB	1	278.036.14M
350	70		21 x 5	36	3,5	2,5	18°	10° ATB	1	278.036.14V

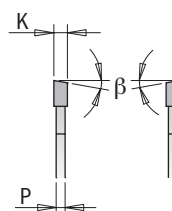
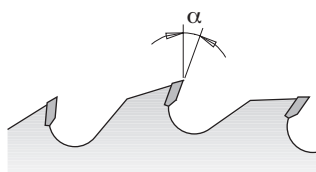
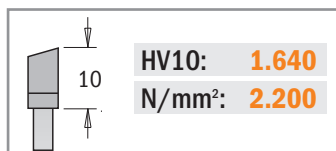


## 280

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

**MACHINES:** multi-rip machines with one or two shafts.

**MATERIAL:** wet or dry hardwood.



D mm	B mm	Key Way	Z	K mm	P mm	H mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
180	40		21+3	2,5	1,8	30	18°	FLAT	1	<b>280.021.07S</b>
200	40		21+3	2,5	1,8	35	18°	FLAT	1	<b>280.021.08S</b>
250	70	21 x 5	20+4	2,7	1,8	50	18°	10° ATB	1	<b>280.020.10V</b>
250	80	13 x 5	20+4	2,7	1,8	50	18°	10° ATB	1	<b>280.020.10W</b>
300	70	21 x 5	24+4	2,7	1,8	60	18°	10° ATB	1	<b>280.024.12V</b>
300	80	13 x 5	24+4	2,7	1,8	60	18°	10° ATB	1	<b>280.024.12W</b>

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

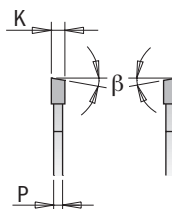
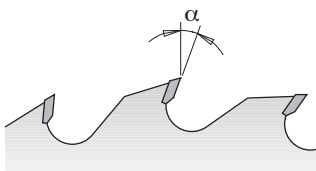
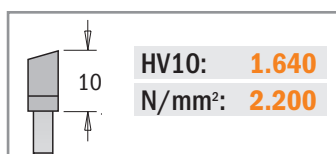
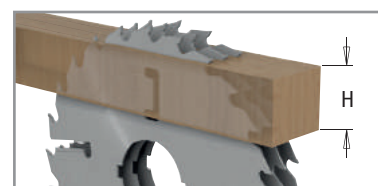


## 277

**APPLICATION:** for rip cuts. Mounted on the sides of gang rip saws, these act as shoulder saw blades and ensure stability, reducing vibration under extreme work load.

**MACHINES:** multi-rip machines with one or two shafts.

**MATERIAL:** thick wet or dry hardwood.



D mm	B mm	Key Way	Z	K mm	P mm	H mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
300	30		24+4	4,0	2,8	80	18°	10° ATB	1	<b>277.024.12M</b>
300	70	21 x 5	24+4	4,0	2,8	80	18°	10° ATB	1	<b>277.024.12V</b>
300	80	13 x 5	24+4	4,0	2,8	80	18°	10° ATB	1	<b>277.024.12W</b>
350	30		24+6	4,2	2,8	105	18°	10° ATB	1	<b>277.024.14M</b>
350	70	21 x 5	24+6	4,2	2,8	105	18°	10° ATB	1	<b>277.024.14V</b>

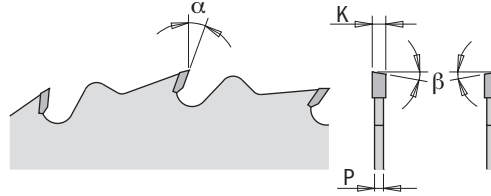
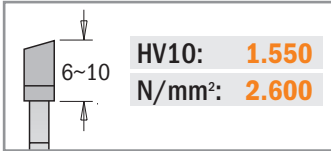


## 286

**APPLICATION:** for rip and crosscuts especially designed for building contractors.

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

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



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	16	2,8	1,8	15°	5° ATB	1	<b>286.016.10M</b>
300	30	COMBI3	20	2,8	1,8	15°	5° ATB	1	<b>286.020.12M</b>
300*	30	COMBI3	48	3,2	2,2	15°	10° ATB	1	<b>286.048.12M</b>
315	30	COMBI3	24	3,2	2,2	15°	5° ATB	1	<b>286.024.13M</b>
350	30	COMBI3	24	3,2	2,2	15°	5° ATB	1	<b>286.024.14M</b>
400	30	COMBI3	28	3,2	2,2	15°	5° ATB	1	<b>286.028.16M</b>
450	30	2/10/60	32	3,8	2,8	15°	5° ATB	1	<b>286.032.18M</b>
500	30	2/10/60	36	3,8	2,8	15°	5° ATB	1	<b>286.036.20M</b>
550	30	2/10/60	40	4,2	3,2	15°	5° ATB	1	<b>286.040.22M</b>
600	30	2/10/60	40	4,2	3,2	15°	5° ATB	1	<b>286.040.24M</b>
700	30	2/10/60	46	4,4	3,2	15°	5° ATB	1	<b>286.046.28M</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)

\*without limiter

## Rip Saw Blades Industrial Line

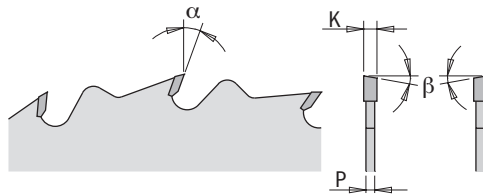
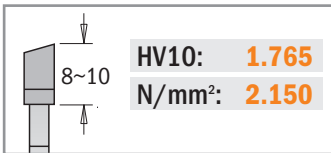


## 285-290-293

**APPLICATION:** for rip and glue line rip cuts.

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

**MATERIAL:** soft and hardwood.



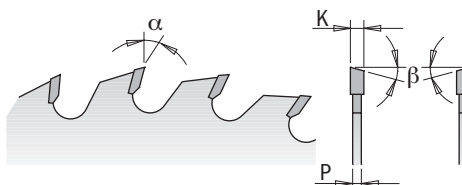
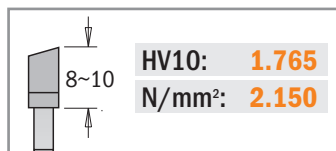
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	24	2,8	1,8	20°	10° ATB	1	<b>290.250.24M</b>
260	30	COMBI3	28	2,8	1,8	20°	10° ATB	1	<b>290.260.28M</b>
270	30	2/7/42	28	2,8	1,8	20°	10° ATB	1	<b>290.270.28M</b>
300	30	COMBI3	24	3,2	2,2	20°	10° ATB	1	<b>293.024.12M</b>
300	35		24	3,2	2,2	20°	10° ATB	1	<b>293.024.12R</b>
305	30	2/10/60	28	2,8	1,8	20°	10° ATB	1	<b>293.028.22M</b>
315	30	COMBI3	28	3,2	2,2	20°	10° ATB	1	<b>293.028.12M</b>
315	30	COMBI3	36	3,2	2,2	15°	5° ATB	1	<b>285.036.13M</b>
350	30	COMBI3	28	3,5	2,5	20°	10° ATB	1	<b>293.028.14M</b>
350	35		28	3,5	2,5	20°	10° ATB	1	<b>293.028.14R</b>
400	30	COMBI3	36	3,5	2,5	20°	10° ATB	1	<b>285.036.16M</b>
450	30	2/10/60	36	3,8	2,8	20°	10° ATB	1	<b>285.036.18M</b>
500	30	COMBI3	44	4,0	2,8	20°	10° ATB	1	<b>285.044.20M</b>

new



## 285-291-294-295

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



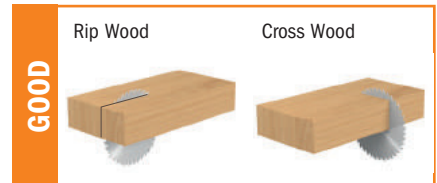
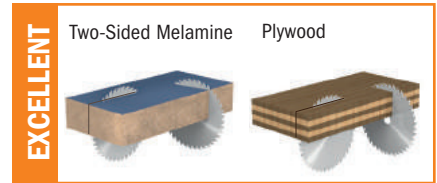
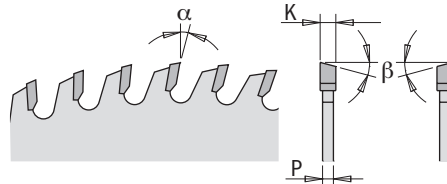
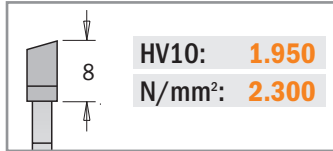
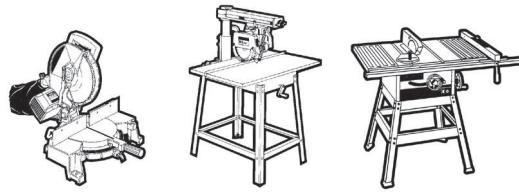
D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
200	30	2/10/60 + 2/7/42	36	3,2	2,2	15°	10° ATB	1	285.036.08M
200	30	2/10/60 + 2/7/42	48	3,2	2,2	15°	15° ATB	1	285.048.08M
250*	20	COMBI3	40	3,2	2,2	15°	10° ATB	1	285.040.10H
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	1	285.040.10M
250	30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

\*Non-low noise



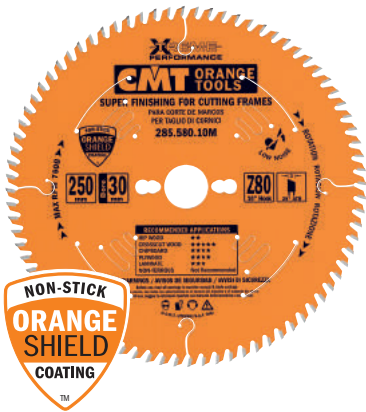
## 285-294

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



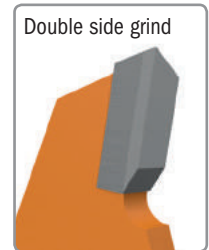
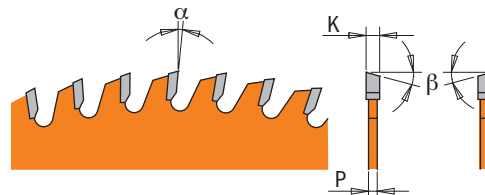
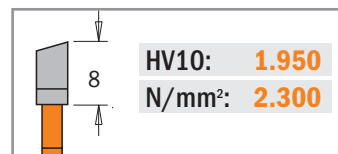
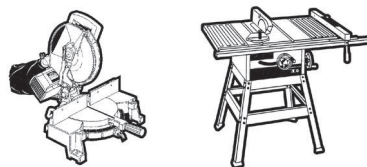
D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
150	30	2/7/42	48	3,2	2,2	5°	15° ATB	5	285.048.06M
160	20	2/6/32	48	2,2	1,6	5°	15° ATB	5	285.160.48H
180	30	2/7/42	56	3,2	2,2	5°	15° ATB	5	285.056.07M
200	30	2/10/60 + 2/7/42	64	3,2	2,2	5°	15° ATB	1	285.064.08M
250	30	COMBI3	80	3,2	2,2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

## Super Finishing Saw Blades for Cutting Frames *xTreme Line*



## 285.5 XTREME

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

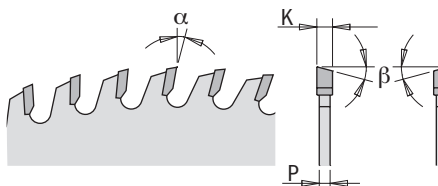
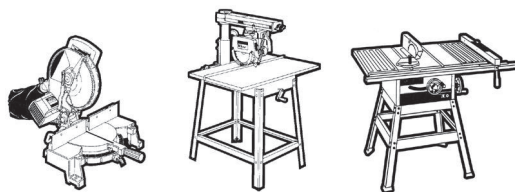


D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
250	30	COMBI3	80	3,0	2,5	10°	20° ATB	1	285.580.10M
300	30	COMBI3	96	3,0	2,5	10°	20° ATB	1	285.596.12M

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

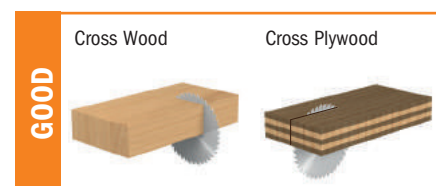
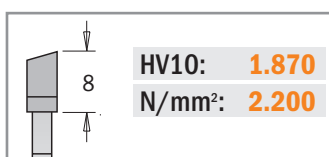


## 285 ORANGE CHROME™



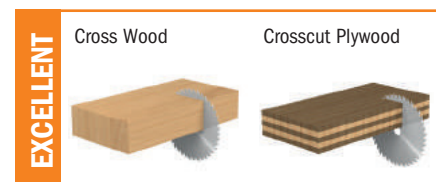
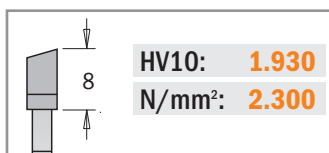
**FILLED SLOTS**

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



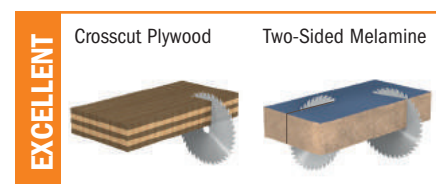
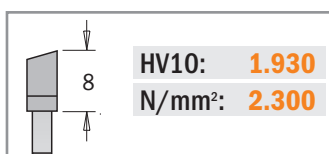
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	40	3,2	2,2	15°	10° ATB	5	285.640.10M
300	30	COMBI3	48	3,2	2,2	15°	10° ATB	5	285.648.12M
350	30	COMBI3	54	3,5	2,5	15°	10° ATB	5	285.654.14M
400	30	COMBI3	60	3,5	2,5	10°	15° ATB	1	285.660.16M

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



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	60	3,2	2,2	10°	15° ATB	5	285.660.10M
300	30	COMBI3	72	3,2	2,2	10°	15° ATB	5	285.672.12M
350	30	COMBI3	84	3,5	2,5	10°	15° ATB	5	285.684.14M
400	30	COMBI3	96	3,5	2,5	10°	15° ATB	5	285.696.16M

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



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	80	3,2	2,2	5°	15° ATB	5	285.680.10M
300	30	COMBI3	96	3,2	2,2	5°	15° ATB	5	285.696.12M
350	30	COMBI3	108	3,5	2,5	5°	15° ATB	5	285.708.14M



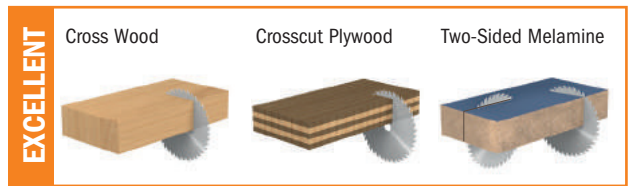
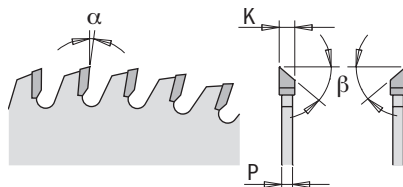
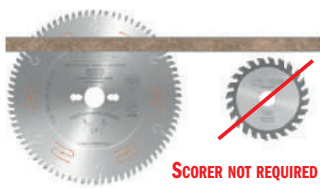
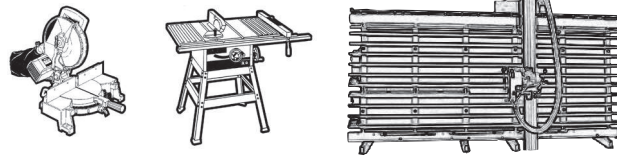


**283 ORANGE CHROME™**

**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 panels.



	HV10: <b>2.150</b>
	N/mm <sup>2</sup> : <b>2.500</b>



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
250	30	COMBI3	80	3,2	2,2	-2° Neg.	38° ATB	5	<b>283.680.10M</b>
300	30	COMBI3	96	3,2	2,2	2°	38° ATB	5	<b>283.696.12M</b>

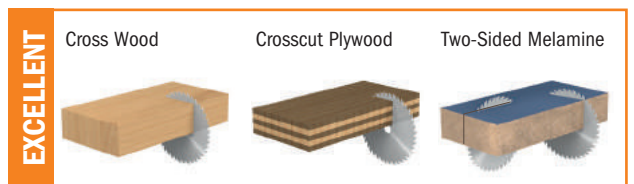
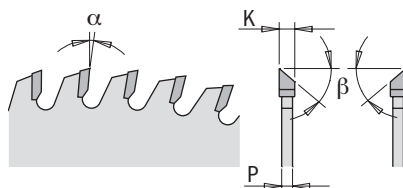
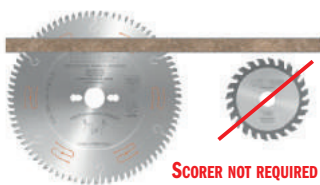
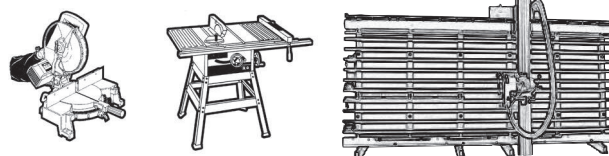


**283**

**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 veneer.



	HV10: <b>1.950</b>
	N/mm <sup>2</sup> : <b>2.300</b>



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
220*	30	2/7/42	64	3,2	2,2	-5° Neg.	40° ATB	1	<b>283.064.09M</b>
250	30	COMBI3	80	3,2	2,2	-2° Neg.	40° ATB	1	<b>283.080.10M</b>
300	30	COMBI3	96	3,2	2,2	2°	40° ATB	1	<b>283.096.12M</b>
350	30	COMBI3	108	3,5	2,5	5°	40° ATB	1	<b>283.108.14M</b>

\*Non-low noise

Super Fine Finishing Blade *XTreme Line*



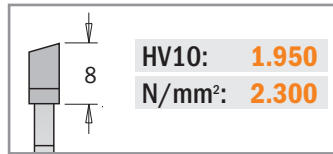
**274 XTREME**



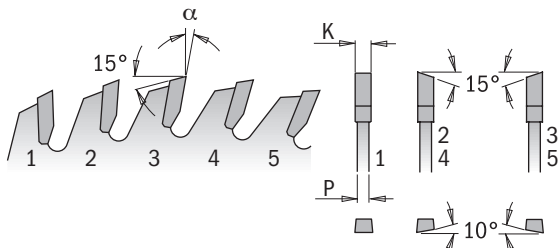
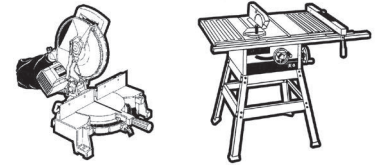
**APPLICATION:** for high-quality cross cutting.

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

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



Max run out tolerance 0,05mm



**EXCELLENT**

Two-Sided Melamine	Plywood	PVC moulding/frames	For All Non-Ferrous Metals & PVC
--------------------	---------	---------------------	----------------------------------

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	80	3,2	2,2	15°	1FTG+4ATB	1	274.080.10M
300	30	COMBI3	100	3,2	2,2	15°	1FTG+4ATB	1	274.100.12M

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



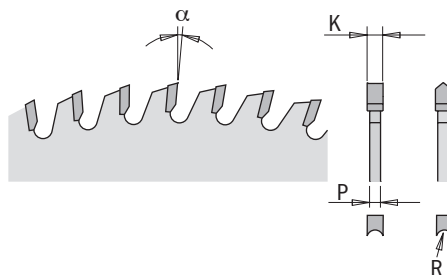
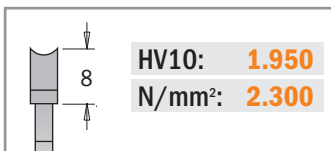
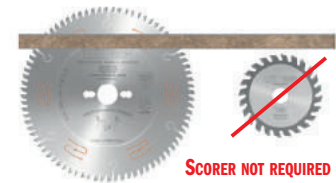
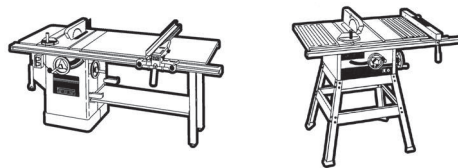
**287**



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

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

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



**EXCELLENT**

Crosscut Plywood	Two-Sided Melamine
------------------	--------------------

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
<b>Negative Hook Angle</b>									
220	30	2/7/42	42	3,2	2,2	-6° Neg.	HDF	1	287.043.09M
250	30	COMBI3	48	3,2	2,2	-6° Neg.	HDF	1	287.049.10M
303	30	COMBI3	60	3,2	2,2	-6° Neg.	HDF	1	287.061.12M



**287 ORANGE CHROME™**

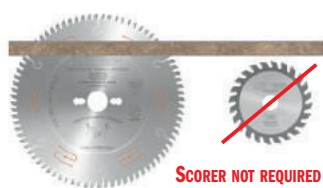
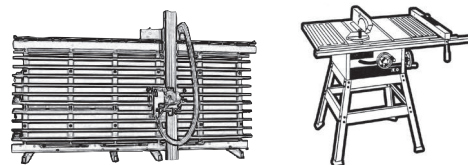
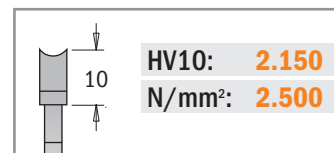
**APPLICATION:** for sizing cuts, perfect finishing with high feed rate and long tool life without using scoring blade.

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

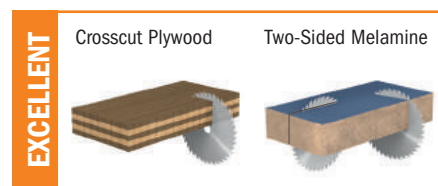
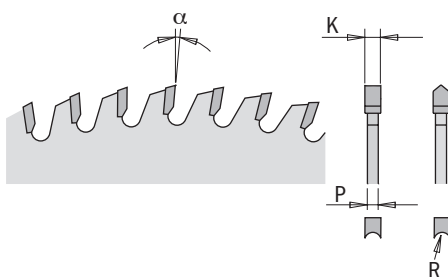
**MATERIAL:** single or double-sided laminated panels with hard coating and veneered panels.



**FILLED SLOTS**



**SCORER NOT REQUIRED**



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
<i>Positive Hook Angle</i>									
250	30	COMBI3	48	3,2	2,2	10°	HDF	5	<b>287.648.10M</b>
303	30	COMBI3	60	3,2	2,2	10°	HDF	5	<b>287.660.12M</b>



**287**

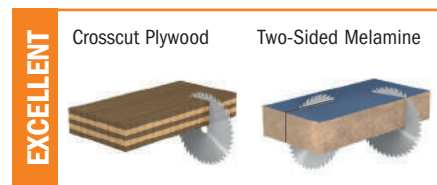
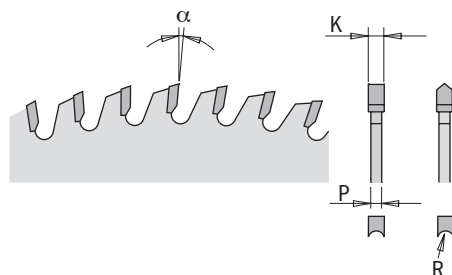
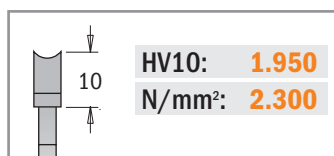
**APPLICATION:** for sizing cuts, perfect finishing with high feed rate and long tool life without using scoring blade.

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

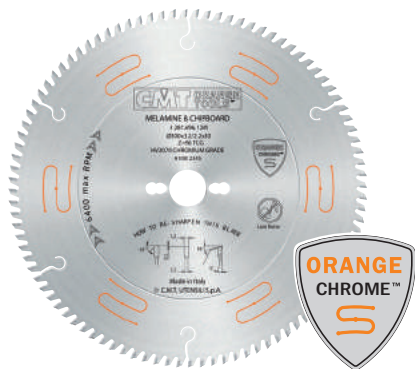
**MATERIAL:** single or double-sided laminated panels with hard coating and veneered panels.



**SCORER NOT REQUIRED**



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

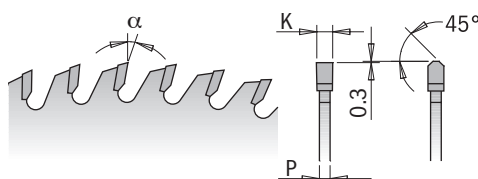
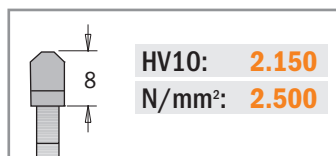
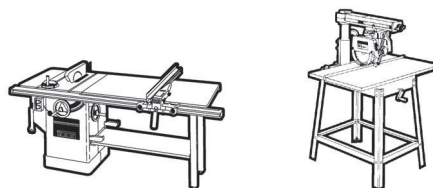


## 281 ORANGE CHROME™

**APPLICATION:** for sizing cuts, perfect finishing with scoring blades.

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

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



**EXCELLENT** Crosscut Plywood Two-Sided Melamine

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	80	3,2	2,2	5°	TCG	5	281.680.10M
300	30	COMBI3	72	3,2	2,2	10°	TCG	5	281.672.12M
300	30	COMBI3	96	3,2	2,2	5°	TCG	5	281.696.12M
350	30	COMBI3	84	3,5	2,5	10°	TCG	5	281.684.14M
350	30	COMBI3	108	3,5	2,5	5°	TCG	5	281.708.14M

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

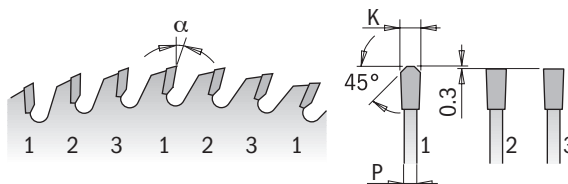
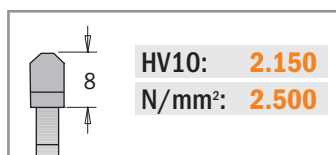
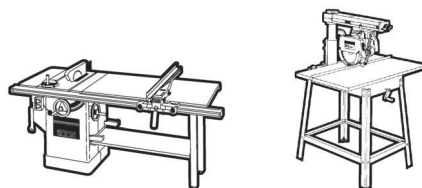


## 295 XTREME

**APPLICATION:** for sizing cuts, perfect finishing without using scoring blade.

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

**MATERIAL:** double-sided laminated panels.



Max run out tolerance 0,05mm

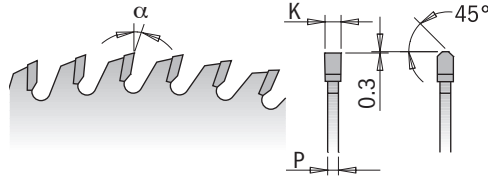
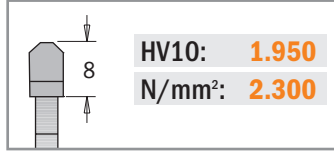
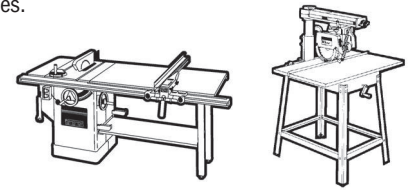
**EXCELLENT** Plywood Two-Sided Melamine

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	78	3,2	2,2	10°	FFT	1	295.078.10M
300	30	COMBI3	96	3,2	2,2	10°	FFT	1	295.096.12M
350	30	COMBI3	108	3,5	2,5	10°	FFT	1	295.108.14M



**281**

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



**EXCELLENT** Two-Sided Melamine Crosscut Plywood

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
160	20 (Virutex)	4/7/32 45°	40	2,2	1,6	10°	TCG	5	<b>281.160.40H</b>
160*	20	2/6/32	40	2,2	1,6	10°	TCG	5	<b>281.160.40H2</b>
200*	30	2/7/42	64	3,2	2,2	10°	TCG	1	<b>281.064.08M</b>
220*	30	2/7/42	64	3,2	2,2	10°	TCG	1	<b>281.064.09M</b>
250	30	COMBI3	60	3,2	2,2	10°	TCG	1	<b>281.060.10M</b>
250	30	COMBI3	80	3,2	2,2	10°	TCG	1	<b>281.080.10M</b>
300	30	COMBI3	72	3,2	2,2	10°	TCG	1	<b>281.072.12M</b>
300	30	COMBI3	96	3,2	2,2	10°	TCG	1	<b>281.096.12M</b>
350	30	COMBI3	84	3,5	2,5	10°	TCG	1	<b>281.084.14M</b>
350	30	COMBI3	108	3,5	2,5	10°	TCG	1	<b>281.108.14M</b>

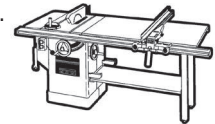
\*Non-low noise

Laminated & Chipboard Saw Blades *XTreme Line*

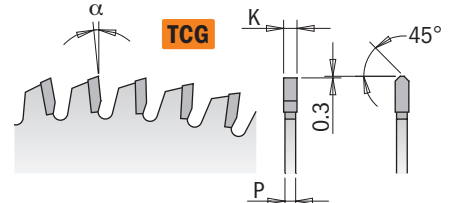
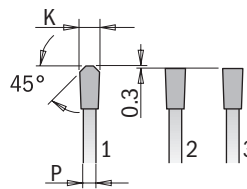
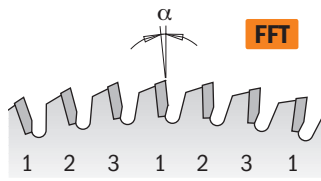
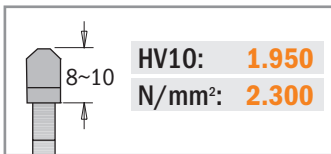
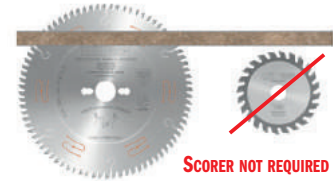


**281 XTREME ORANGE CHROME™**

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



**EXCELLENT** Two-Sided Melamine Plywood



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
160	20	2/6/32	56	2,2	1,6	-3° Neg.	TCG	5	<b>281.161.56H</b>
165	20	2/6/32	56	2,2	1,6	-3° Neg.	TCG	5	<b>281.166.56H</b>
220	30	COMBI3	63	3,2	2,2	-3° Neg.	FFT	1	<b>281.063.09M</b>
250	30	COMBI3	60	3,2	2,2	-3° Neg.	FFT	1	<b>281.061.10M</b>
250	30	COMBI3	81	3,2	2,2	-3° Neg.	FFT	1	<b>281.081.10M</b>
300	30	COMBI3	72	3,2	2,2	-3° Neg.	FFT	1	<b>281.073.12M</b>
300	30	COMBI3	96	3,2	2,2	-3° Neg.	FFT	1	<b>281.097.12M</b>

**ORANGE CHROME**

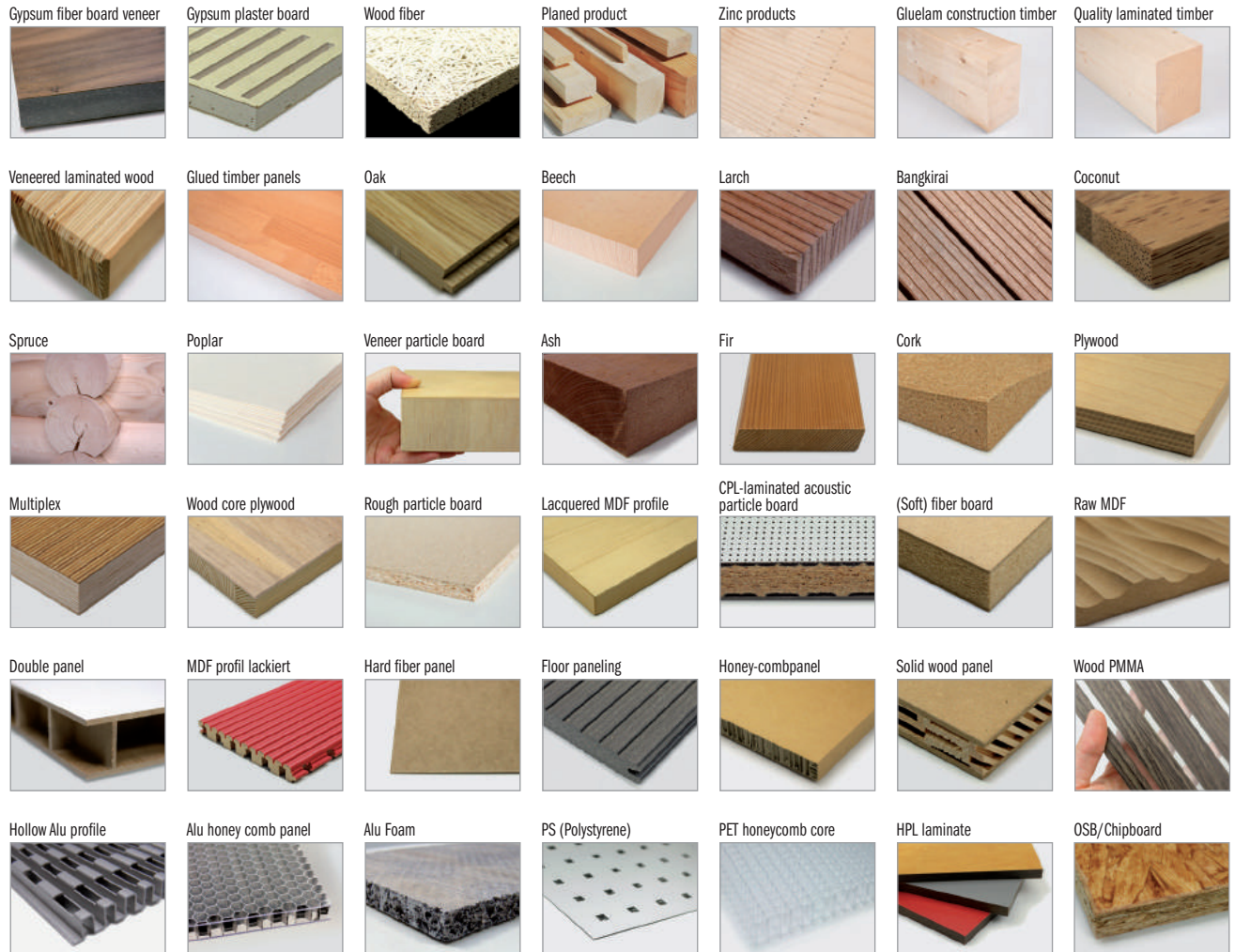
250	30	COMBI3	80	3,2	2,2	-3° Neg.	TCG	5	<b>281.681.10M</b>
300	30	COMBI3	96	3,2	2,2	-3° Neg.	TCG	5	<b>281.697.12M</b>

# XTREME ALL-AROUND THE SAW BLADES REVOLUTION!

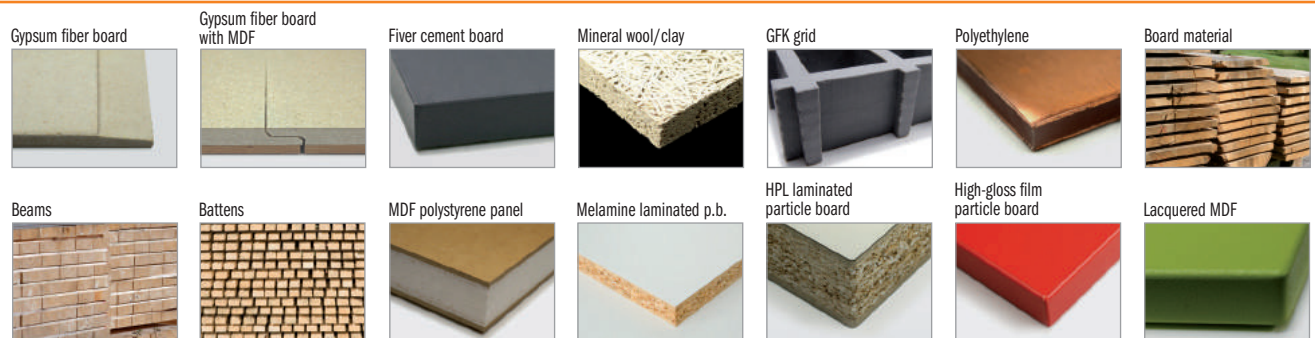
Leuco Patent Pending tooth geometry and tool body design guarantee an extensive array of applications when working with larger traditional solid woods and wood-based panels. The "Xtreme All-Around" blade delivers excellent quality, ensures 20 times longer lifetime and boasts a 20% reduction in noise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

## NO LIMITS: CUT ALL THESE MATERIALS WITH ONE BLADE!

EXCELLENT



GOOD



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



## 235 XTREME NOISELESS ALL-AROUND

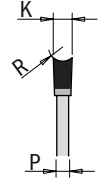
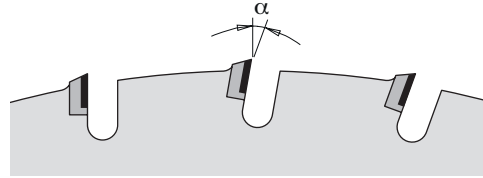


**APPLICATION:** for sizing cuts, perfect finishing with high feed rate and long tool life.

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

**MATERIAL:** look at the opposite page.

**20X**  
LONGER LIFE  
THAN CARBIDE

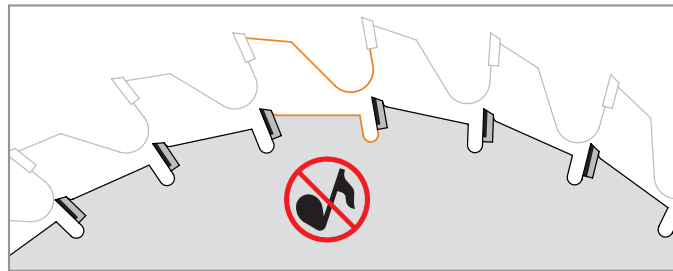


**LEUCO**  
Patent Pending



### XTREME NOISELESS

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



### XTREME ALL-AROUND

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

### XTREME QUALITY

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

### XTREME FAST

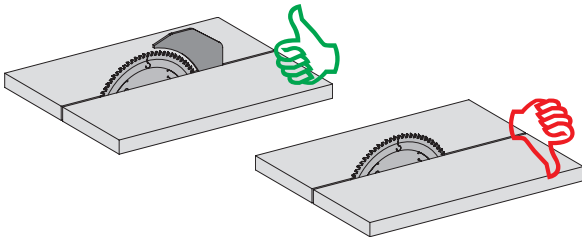
The teeth are surprisingly thin! The cutting width is a mere 2,5 mm and they generate noticeably lower cutting pressure and therefore also require less power during usage. Resharpenable max 2 times.

### XTREME LIFETIME

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

#### RECOMMENDED USE

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



#### LONGER LIFETIME THANKS TO DIAMOND TIPS

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



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



**237 XTREME**



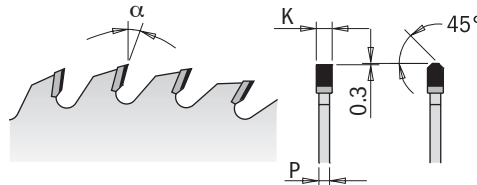
**APPLICATION:** for sizing cuts, perfect finishing (using scoring blade) and increased tool life up to 50 times longer than HW blades thanks to a special polycrystalline diamond formula. The best quality/price ratio!

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

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

**50X**  
LONGER LIFE  
THAN CARBIDE

HV10: **10.000**  
Re-Sharping: **6x**



**EXCELLENT** Two-Sided Melamine Wood Products

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	30	COMBI3	48	3,2	2,2	10°	45° TCG	1	<b>237.048.10M</b>
300	30	COMBI3	60	3,2	2,2	10°	45° TCG	1	<b>237.060.12M</b>
300	30	COMBI3	96	3,2	2,2	15°	45° TCG	1	<b>237.096.12M</b>
350	30	COMBI3	72	3,5	2,4	15°	45° TCG	1	<b>237.072.14M</b>

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

DP Conical Scoring Blades *XTreme Line*



**238 XTREME**



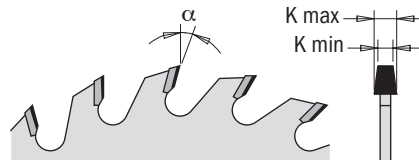
**APPLICATION:** for chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades thanks to a special polycrystalline diamond formula. The best quality/price ratio!

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

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

**50X**  
LONGER LIFE  
THAN CARBIDE

HV10: **10.000**  
Re-Sharping: **6x**



**EXCELLENT** Two-Sided Melamine Wood Products

D mm	B mm	Z	K mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
120	20	20	3,1-3,7	5°	CONICAL	1	<b>238.120.20H</b>
125	20	20	3,1-3,7	5°	CONICAL	1	<b>238.125.20H</b>

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

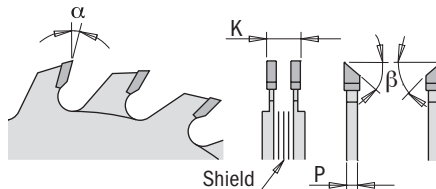
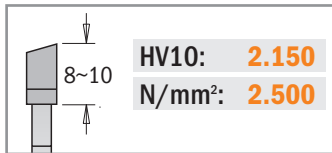




## 289 ORANGE CHROME™



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



D mm	B mm	PIN HOLE	Z	K mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.
100	20	2/4,2/42	10+10	2,8-3,6	11°	5° ATB	5	289.700.20H
120	20	2/4,2/42	12+12	2,8-3,6	11°	5° ATB	5	289.720.24H
120	22	2/4,2/42	12+12	2,8-3,6	11°	5° ATB	5	289.720.24K
125	20	2/4,2/42	12+12	2,8-3,6	11°	5° ATB	5	289.725.24H

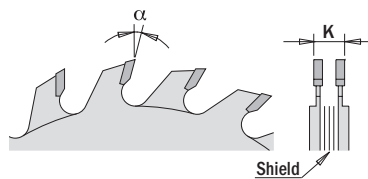
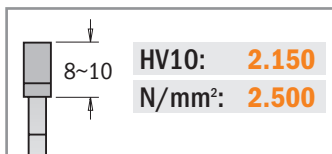
# Adjustable Scoring Blades *Industrial Line*



## 289



**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.



D mm	B mm	PIN HOLE	Z	K mm	$\alpha$	$\beta$	PACK Qty.	ORDER NO.	Spare parts PVC SHIMS
70	20	2/3,1 - 3,8/32	8+8	2,8-3,6	12°	FLAT	1	289.070.16H	299.000.05H
80	20	2/3,1 - 3,8/42	10+10	2,8-3,6	12°	FLAT	1	289.080.20H	299.000.06H
100	20	2/3,1 - 3,8/42	10+10	2,8-3,6	12°	FLAT	1	289.100.20H	299.000.02K
100	22	2/3,1 - 3,8/42	10+10	2,8-3,6	12°	FLAT	1	289.100.20K	299.000.02K
120	20	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	289.120.24H	299.000.02K
120	22	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	289.120.24K	299.000.02K
120	50	4/6,2 - 10/62	12+12	2,8-3,6	12°	FLAT	1	289.120.24T	
125	20	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	289.125.24H	299.000.02K
125	22	2/3,1 - 3,8/42	12+12	2,8-3,6	12°	FLAT	1	289.125.24K	299.000.02K

## Industrial Chrome-Coated Scoring Blades

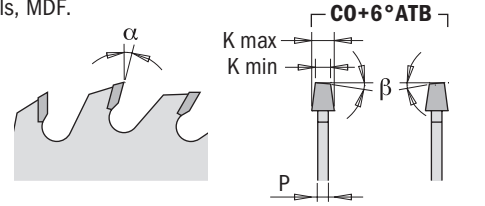
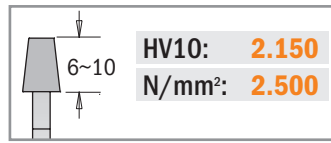


### 288 ORANGE CHROME™

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

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

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



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

## Conical Scoring Blades Industrial Line

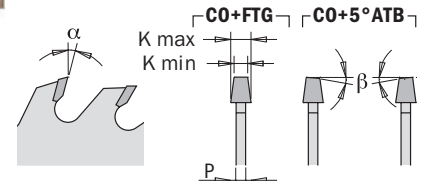
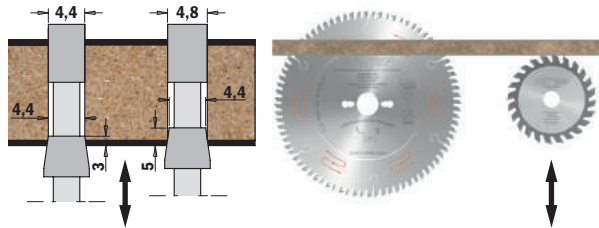
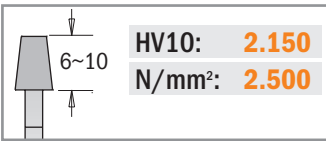


### 288

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

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

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



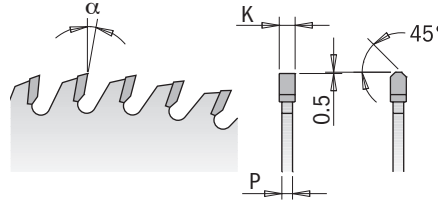
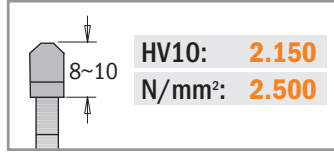
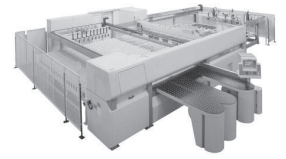
**EXCELLENT** Two-Sided Melamine

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.	ORDER NO.
80	20		12	3,1-4,0	2,2	10°	CO+FTG	1	S288.080.12H	
100	20		20	3,1-4,0	2,5	5°	CO+5° ATB	1	288.100.20H	
100	22		20	3,1-4,0	2,5	5°	CO+5° ATB	1	288.100.20K	
120	20		24	3,1-4,0	2,5	5°	CO+5° ATB	1	288.120.24H	
120	20		24	3,4-4,2	2,5	5°	CO+5° ATB	1	288.120.24H1	
120	22		24	3,1-4,0	2,5	5°	CO+5° ATB	1	288.120.24K	
125	20		24	3,1-4,0	2,5	5°	CO+5° ATB	1	288.125.24H	
125	20		24	3,4-4,2	2,5	5°	CO+5° ATB	1	288.125.24H1	
125	20		24	4,3-5,5	3,2	10°	CO+FTG	1	288.125.24H2	
125	22		24	3,1-4,0	2,5	5°	CO+5° ATB	1	288.125.24K	
125	45		24	4,3-5,5	3,2	10°	CO+FTG	1	288.125.24Q	
140	16	1/6/33	24	3,1-4,0	2,2	10°	CO+FTG	1	Y288.140.24E	
150	45	3/11/70	36	4,3-5,5	3,2	10°	CO+FTG	1	288.150.36Q	
160	45	3/11/70	36	4,3-5,5	3,2	10°	CO+FTG	1	288.160.36Q	
160	55	3/7/66 + 3/6/84	36	4,3-5,5	3,2	10°	CO+FTG	1	288.160.360	
160	55	3/7/66 + 3/6/84	36	4,7-6,0	3,5	10°	CO+FTG	1	Y288.160.3602	
180	20		36	4,3-5,5	3,2	10°	CO+FTG	1	Y288.180.36H	
180	30		36	4,4-5,3	3,2	10°	CO+FTG	1		288.180.36M
180	45		36	4,8-5,6	3,5	10°	CO+FTG	1		288.180.36Q
180	55		36	5,0-6,2	3,5	10°	CO+FTG	1	288.180.360	
180	50	3/12,5/80	44	4,3-5,5	3,2	10°	CO+FTG	1	288.180.44T	
200	20		36	4,4-5,3	3,2	10°	CO+FTG	1		288.200.36H
200	45		36	4,7-6,0	3,5	10°	CO+FTG	1	288.200.36Q	
200	45		36	4,3-5,5	3,2	10°	CO+FTG	1	Y288.200.36Q2	
200	65	2/9/100 + 2/9/110	36	4,4-5,3	3,2	10°	CO+FTG	1		288.200.36J
215	50	3/15/80	42	4,3-5,5	3,2	10°	CO+FTG	1	288.215.42T	
300	50	3/15/80	48	4,3-5,5	3,2	10°	CO+FTG	1	288.300.48T	
300	65	2/9/100 + 2/9/110	72	4,3-5,5	3,2	10°	CO+FTG	1	288.300.72J	

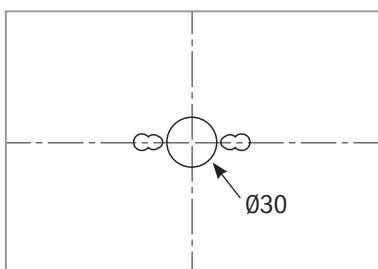


## 281-282

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

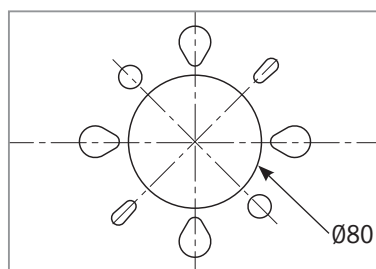


D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	Low Noise	PACK QTY.	ORDER NO.	ORDER NO. <b>EXTREME</b>
250	30	COMBI3	60	3,2	2,2	10°	TCG		1	<b>281.060.10M</b>	
250	30	COMBI3	80	3,2	2,2	10°	TCG		1	<b>281.080.10M</b>	
300	30	COMBI3	60	4,4	3,2	16°	TCG		1	<b>282.060.12M</b>	
300	30	COMBI3	72	3,2	2,2	10°	TCG		5	<b>281.072.12M</b>	
300	30	COMBI3	96	3,2	2,2	10°	TCG		1	<b>281.096.12M</b>	
300	75		60	4,4	3,2	16°	TCG		1	<b>282.060.12X</b>	
300	80	COMBI5	60	4,4	3,2	16°	TCG		1	<b>282.060.12W</b>	
320	65	2/9/100 + 2/9/110	60	4,4	3,2	16°	TCG		1		<b>Y282.060.13J</b>
320	65	2/9/100 + 2/9/110	72	4,4	3,2	16°	TCG		1	<b>282.072.13J</b>	
350	30	COMBI3	54	4,4	3,2	16°	TCG		1	<b>282.054.14M</b>	
350	30	COMBI3	72	4,4	3,2	16°	TCG		1		<b>282.072.14M</b>
350	30	COMBI3	108	3,5	2,5	10°	TCG		1	<b>281.108.14M</b>	
350	50	3/12,5/80	72	4,4	3,2	16°	TCG		1	<b>282.072.14T</b>	
350	60	2/14/100	72	4,4	3,2	16°	TCG		1		<b>Y282.072.14U</b>
350	75	4/15/105 + 3/7/100	54	4,4	3,2	16°	TCG		1	<b>282.054.14X</b>	
350	75	4/15/105 + 3/7/100	72	4,4	3,2	16°	TCG		1		<b>282.072.14X</b>
350	80	COMBI5	54	4,4	3,2	16°	TCG		1	<b>282.054.14W</b>	
350	80	COMBI5	72	4,4	3,2	16°	TCG		1	<b>282.072.14W</b>	
355	30	2/7/42 + 2/10/60	72	4,4	3,2	16°	TCG		1	<b>S282.03556</b>	
355	65	COMBI5	72	4,4	3,2	16°	TCG		1	<b>282.072.14J2</b>	
380	60	COMBI7	72	4,8	3,5	16°	TCG		1		<b>282.072.15U</b>
380	80	COMBI5	72	4,4	3,2	16°	TCG		1	<b>282.072.15W</b>	
400	30	2/10/60	60	4,4	3,2	16°	TCG		1	<b>282.060.16M</b>	
400	30	2/10/60	72	4,4	3,2	16°	TCG		1	<b>282.072.16M</b>	
400	60	COMBI7	72	4,4	3,2	16°	TCG		1	<b>282.072.16U</b>	
400	75	4/15/105	60	4,4	3,2	16°	TCG		1	<b>282.060.16X</b>	
400	75	4/15/105	72	4,4	3,2	16°	TCG		1		<b>282.072.16X</b>
400	80	COMBI5	60	4,4	3,2	16°	TCG		1	<b>282.060.16W</b>	
400	80	COMBI5	72	4,4	3,2	16°	TCG		1		<b>282.072.16W</b>
430	75	4 / 15/ 105	72	4,4	3,2	16°	TCG		1	<b>282.072.17X</b>	
430	80	COMBI5	72	4,4	3,2	16°	TCG		1	<b>282.072.17W2</b>	
450	60	COMBI7	72	4,8	3,5	16°	TCG		1		<b>282.072.18U</b>
450	80	COMBI5	72	4,8	3,5	16°	TCG		1	<b>282.072.18W2</b>	
500	60	2/11/115	72	4,8	3,5	16°	TCG		1	<b>282.072.20U</b>	
500	80	COMBI5	72	4,8	3,5	16°	TCG		1	<b>Y282.072.20W</b>	
550	100		72	5,2	3,5	16°	TCG		1	<b>282.072.22A</b>	



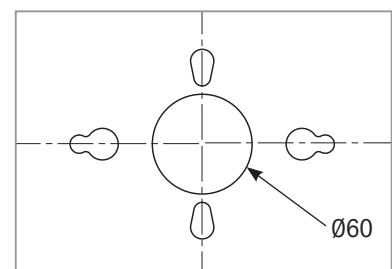
**COMBI3**

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



**COMBI5**

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



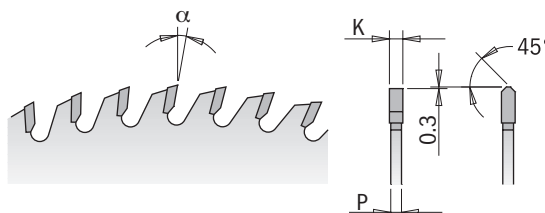
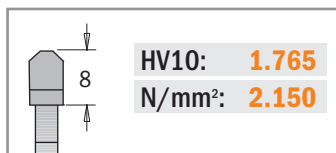
**COMBI7**

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



## 284

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



### Saw Blades for Portable Machines. Positive Hook Angle

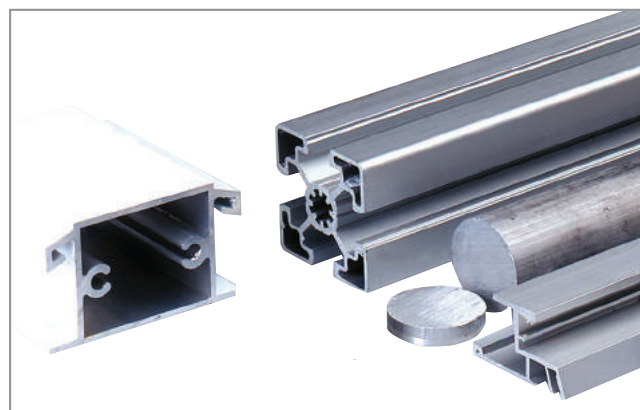
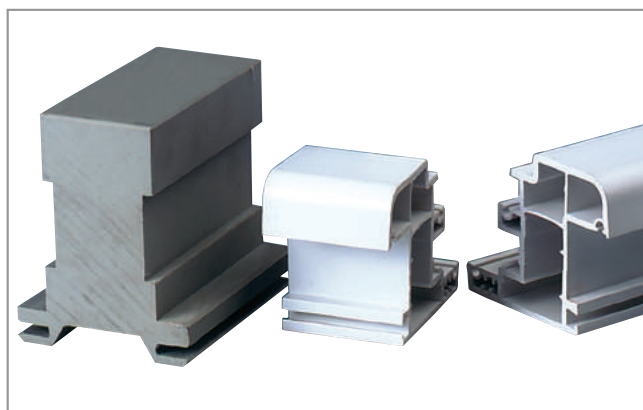
D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
160	20	-	24	2,2	1,6	5°	TCG	5	284.160.24H
190	30	-	30	2,6	2,2	5°	TCG	5	284.190.30M
216	30	2/7/42	40	2,6	2,2	5°	TCG	5	284.216.40M

**REMARKS:** in plastic carrying case.

### Saw Blades for Industrial Machines. Positive Hook Angle

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

**REMARKS:** in cardboard box.





## 296-297

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

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

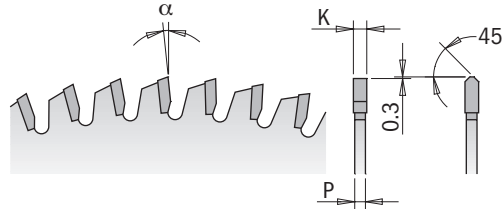
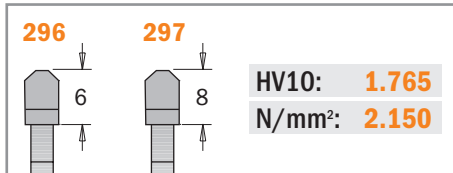
**MATERIAL:** aluminium, brass, copper alloys, plastic, composite material, melamine and laminated panels.

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



**EXCELLENT** For All Non-Ferrous Metals & PVC

**GOOD** Two-Sided Melamine



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

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

\*Non-low noise

REMARKS: in plastic carrying case.

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

D mm	B mm	PIN HOLE ⊕⊖	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
250	30	COMBI3	80	3,2	2,5	-6° Neg.	TCG	1	297.080.10M
250	32	2/12/64	80	3,2	2,5	-6° Neg.	TCG	1	297.080.10P
254	30	COMBI3	80	3,2	2,5	-5° Neg.	TCG	1	297.081.10M
260	30	2/10/60 + 2/7/42	80	2,8	2,2	-6° Neg.	TCG	1	297.080.11M
280*	30	2/10/60 + 2/7/42	64	3,2	2,5	-6° Neg.	TCG	1	297.064.11M
300	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	297.096.12M
300	32	2/12/64	96	3,2	2,5	-6° Neg.	TCG	1	297.096.12P
305*	30	2/10/60 + 2/7/42	96	3,2	2,5	-6° Neg.	TCG	1	297.096.13M
315	30	2/10/60 + 2/7/42	96	3,2	2,5	-6° Neg.	TCG	1	297.096.23M
330	30	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	297.096.33M
330	32	COMBI3	96	3,2	2,5	-6° Neg.	TCG	1	297.096.33P
350	30	COMBI3	108	3,2	2,5	-6° Neg.	TCG	1	297.108.14M
350	32	4/12/64	108	3,2	2,5	-6° Neg.	TCG	1	297.108.14P
400	30	2/10/60	120	3,8	3,2	-6° Neg.	TCG	1	297.120.16M
400	32	4/12/64	108	3,8	3,2	-6° Neg.	TCG	1	297.108.16P
450	30	2/10/60	140	3,8	3,2	-6° Neg.	TCG	1	Y297.140.18M
450	30	2/10/60	108	3,8	3,2	-6° Neg.	TCG	1	297.108.18M
450	32	2/12/64	108	3,8	3,2	-6° Neg.	TCG	1	297.108.18P
500	30	2/10/60	120	4,0	3,2	-6° Neg.	TCG	1	297.120.20M
500	32	2/12/64	120	4,0	3,2	-6° Neg.	TCG	1	297.120.20P

\*Non-low noise

REMARKS: in cardboard box.



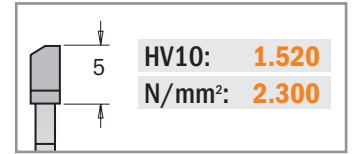
## 226

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

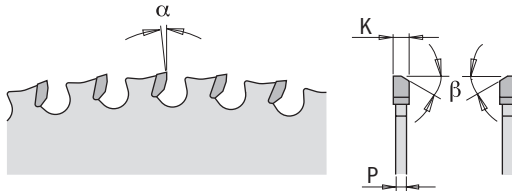
**MACHINES:** for "dry" crosscutting a variety of materials and ferrous materials such as iron, steel, pvc, compound materials, melamine.

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

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



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



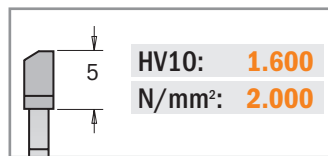
**EXCELLENT** For Iron, Steel, PVC, Compound Materials, Melamine

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

\*Non-low noise

\*\*REMARKS: in cardboard box.

## Saw Blades for Stainless Steel



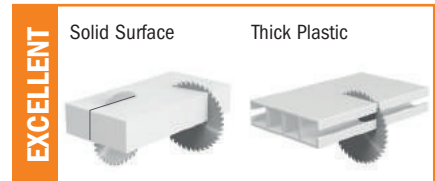
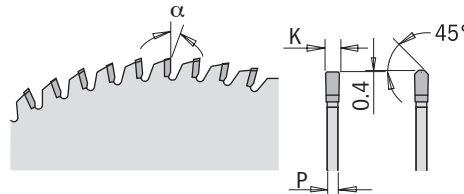
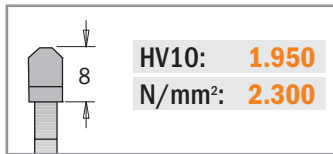
D mm	B mm	PIN HOLE	RPM suggested	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
160	20	2/6/32	4100	40	1,8	1,4	10°	8° FWF	1	226.540.06H
184	15,87<>		3600	48	2,0	1,6	10°	8° FWF	1	226.548.07
190	30	2/7/42	3500	48	1,8	1,4	10°	8° FWF	1	226.548.07M
216	30	2/7/42	3000	56	1,8	1,4	10°	8° FWF	1	226.556.09M
250**	30	COMBI3	2600	72	2,2	1,8	10°	8° FWF	1	226.572.10M
254	15,87		2600	72	2,2	1,8	10°	8° FWF	1	226.572.10
300**	30	COMBI3	2200	80	2,2	1,8	10°	8° FWF	1	226.580.12M
305	25,4		2100	80	2,2	1,8	10°	8° FWF	1	226.580.12
355	25,4		1800	90	2,2	1,8	10°	8° FWF	1	226.590.14
355**	30	COMBI3	1800	90	2,2	1,8	10°	8° FWF	1	226.590.14M


\*\*REMARKS: in cardboard box.



**223**

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



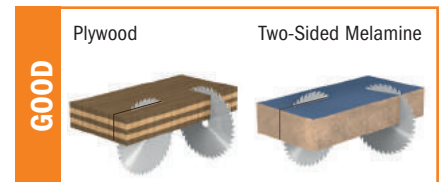
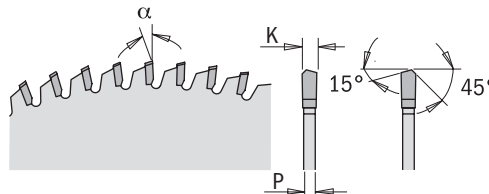
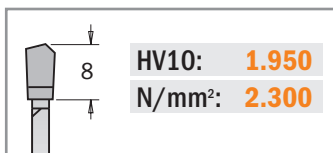
D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
250	30	COMBI3	72	3,2	2,5	0°	MTCG	1	<b>223.072.10M</b>
300	30	COMBI3	84	3,2	2,5	0°	MTCG	1	<b>223.084.12M</b>


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.



D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
250	30	COMBI3	80	2,8	2,2	-3° Neg.	MATB	1	<b>222.080.10M</b>
300	30	COMBI3	96	2,8	2,2	-3° Neg.	MATB	1	<b>222.096.12M</b>

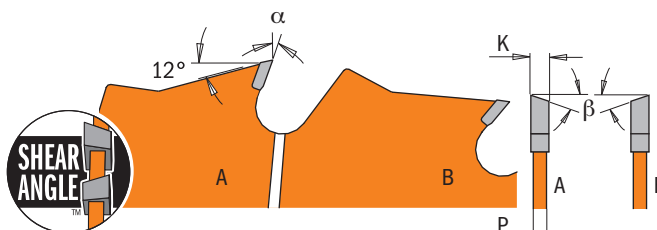
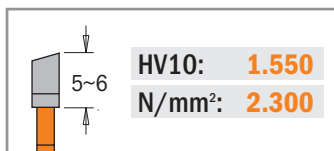
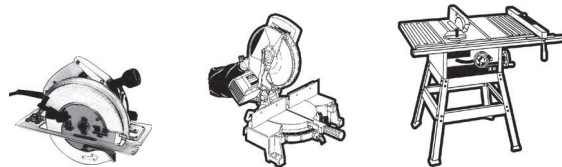


## 271

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

**MACHINES:** miter saws, table saws, portable and cordless saws.

**MATERIAL:** soft and hardwood.



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
250	30	COMBI3	24	2,4	1,6	20°	10° ATB + 8° Shear	10	271.250.24M
300	30	COMBI3	24	2,6	1,8	22°	10° ATB + 8° Shear	5	271.300.24M

# ITK-Plus™ Rip & Crosscut Saw Blades

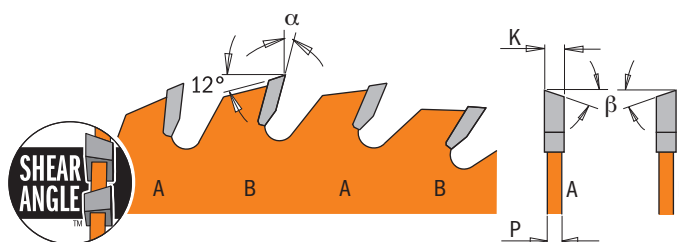
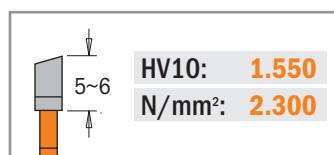
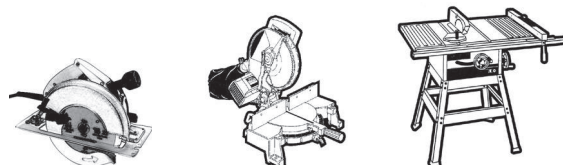


## 271

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

**MACHINES:** miter saws, table saws, portable and cordless saws.

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



D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β	PACK QTY.	ORDER NO.
136	20 (+10)		18	1,5	1,0	20°	10° ATB + 8° Shear	10	271.136.18H
150	20 (+16)		24	1,5	1,0	18°	10° ATB + 8° Shear	10	271.150.24H
160	20 (+16)		24	1,7	1,1	18°	10° ATB + 8° Shear	10	271.160.24H
165	20 (+15,87)		24	1,7	1,1	18°	10° ATB + 8° Shear	10	271.165.24H
165	30		24	1,7	1,1	18°	10° ATB + 8° Shear	10	271.165.24M
184	20 (+16+15,87)		24	1,7	1,1	20°	10° ATB + 8° Shear	10	271.184.24H
184	30		24	1,7	1,1	20°	10° ATB + 8° Shear	10	271.184.24M
190	30 (+20+16)		24	1,7	1,1	20°	10° ATB + 8° Shear	10	271.190.24M
200	30		36	1,8	1,2	15°	10° ATB + 8° Shear	10	271.200.36M
210	30 (+25)		36	1,8	1,2	15°	10° ATB + 8° Shear	10	271.210.36M
216	30		36	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	271.216.36M
235	30 (+25)		36	2,4	1,6	18°	10° ATB + 8° Shear	10	271.235.36M
250	30	COMBI3	42	2,4	1,6	18°	10° ATB + 8° Shear	10	271.250.42M
300	30	COMBI3	48	2,6	1,8	18°	10° ATB + 8° Shear	5	271.300.48M



# ITK-Plus™ Crosscut Saw Blades

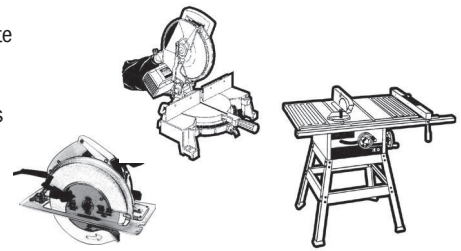


## 272

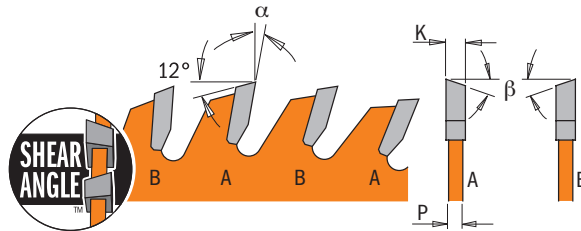
**APPLICATION:** for rip and crosscuts at high-speed rotation. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for valuable wood.

**MACHINES:** miter saws, table saws, portable and cordless saws.

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



5-8  
**HV10: 1.840**  
**N/mm²: 2.050**



**EXCELLENT** Cut on plywood      Crosscut on Wood

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
136	20 (+10)		36	1,5	1,0	18°	10° ATB + 8° Shear	10	272.136.36H
150	20 (+16)		40	1,5	1,0	16°	10° ATB + 8° Shear	10	272.150.40H
160	20 (+16)	2/6/32	40	1,7	1,1	16°	10° ATB + 8° Shear	10	272.160.40H
165	20 (+15,87)	2/6/32	36	1,7	1,1	20°	10° ATB + 8° Shear	10	272.165.36H
184	20 (+16+15,87)	2/7/42	40	1,7	1,1	18°	10° ATB + 8° Shear	10	272.184.40H
184	30	2/7/42	40	1,7	1,1	18°	10° ATB + 8° Shear	10	272.184.40M
190	30 (+20+16)	2/7/42	42	1,7	1,1	18°	10° ATB + 8° Shear	10	272.190.42M
200	30	2/7/42	48	1,8	1,2	15°	10° ATB + 8° Shear	10	272.200.48M
210	30 (+25)	2/7/42	48	1,8	1,2	15°	10° ATB + 8° Shear	10	272.210.48M
216	30	2/7/42	48	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	272.216.48M
235	30 (+25)	2/7/42	48	2,4	1,6	18°	10° ATB + 8° Shear	10	272.235.48M
250	30	COMBI3	60	2,4	1,6	15°	10° ATB + 8° Shear	10	272.250.60M
300	30	COMBI3	72	2,6	1,8	15°	10° ATB + 8° Shear	5	272.300.72M

# ITK-Plus™ Fine Cut-Off Saw Blades

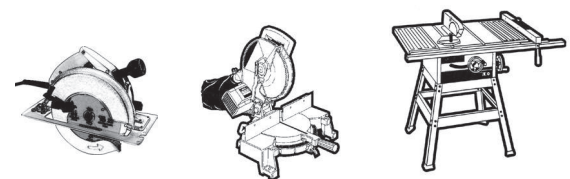


## 273

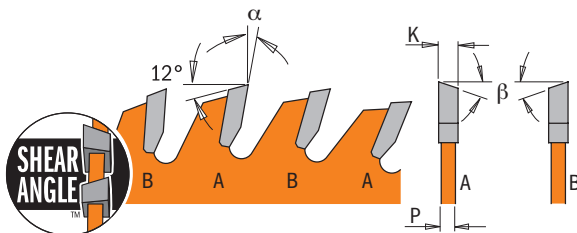
**APPLICATION:** for crosscuts and finish cuts. The blade considerably reduces material waste thanks to the thin-kerf design. Particularly suitable for precious wood.

**MACHINES:** miter saws, table saws, portable and cordless saws.

**MATERIAL:** soft and hardwood, exotic wood, plywood and laminates.



5-8  
**HV10: 1.840**  
**N/mm²: 2.050**



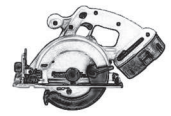
**EXCELLENT** Crosscut on Wood      Cut on plywood      Two-sided melamine

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
160	20 (+16)	2/6/32	56	1,7	1,1	12°	10° ATB + 8° Shear	10	273.160.56H
190	30 (+20+16)	2/7/42	64	1,7	1,1	15°	10° ATB + 8° Shear	10	273.190.64M
216	30	2/7/42	64	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	10	273.216.64M
250	30	COMBI3	80	2,4	1,6	12°	10° ATB + 8° Shear	10	273.250.80M
300	30	COMBI3	96	2,6	1,8	12°	10° ATB + 8° Shear	5	273.300.96M



### 271-272-226

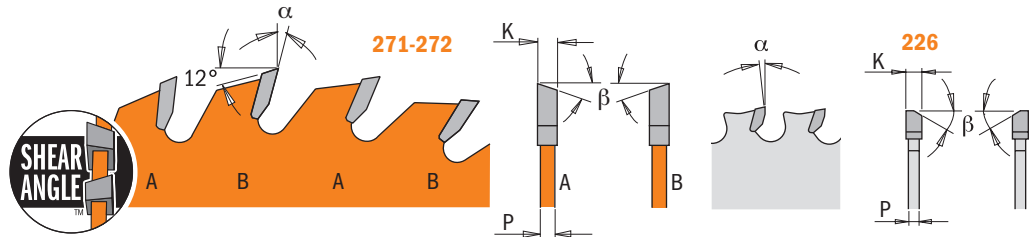
**APPLICATION:** (series 271-272) for rip and crosscuts where the ultra thin-kerf reduces material waste.  
**MACHINES:** (series 271-272) portable cordless machines.  
**MATERIAL:** (series 271-272) soft and hardwood, plywood.



**APPLICATION:** (series 226) for crosscuts on different kinds of materials.

**MACHINES:** (series 226) portable cordless machines.

**MATERIAL:** (series 226) for ferrous materials and structural steel.



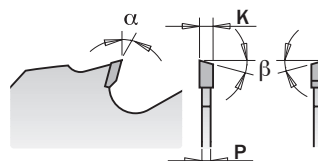
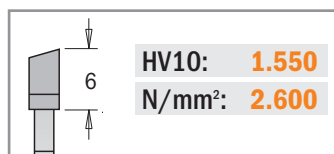
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
<b>Ripping Cordless Saw Blades (series 271)</b>									
136	20 (+10)		18	1,5	1,0	20°	10° ATB + 8° Shear	10	271.136.18H
165	20 (+15,87)	2/6/32	24	1,7	1,1	18°	10° ATB + 8° Shear	10	271.165.24H
165	30	2/7/42	24	1,7	1,1	18°	10° ATB + 8° Shear	10	271.165.24M
184	20 (+16+15,87)	2/7/42	24	1,7	1,1	20°	10° ATB + 8° Shear	10	271.184.24H
<b>Crosscutting Cordless Saw Blades (series 272)</b>									
136	20 (+10)		36	1,5	1,0	18°	10° ATB + 8° Shear	10	272.136.36H
165	20 (+15,87)	2/6/32	36	1,7	1,1	20°	10° ATB + 8° Shear	10	272.165.36H
184	20 (+16+15,87)	2/7/42	40	1,7	1,1	18°	10° ATB + 8° Shear	10	272.184.40H
<b>Metal, PVC &amp; Compound Material Cordless Saw Blades (series 226)</b>									
136,5	10		30	1,5	1,2	0°	8° FWF	10	226.030.05
136,5	20		30	1,5	1,2	0°	8° FWF	10	226.030.05H
165	15,87<>		36	1,5	1,2	0°	8° FWF	5	226.036.06

### Garden Trimmer Saw Blades



### 298

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



D mm	B mm	RPM max	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
250	20	12.000	20	2,2	1,4	15°	10° ATB	5	298.250.20H
250	25,4	12.000	20	2,2	1,4	15°	10° ATB	5	298.250.20

# DP Saw Blades for Ultra-Hard Materials

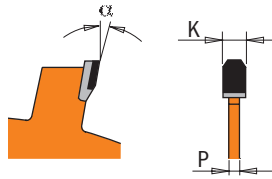


## 236

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

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

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



**GOOD**

Etemit®, Swisspearl®, Fermacell®, Ivarplank®, HardiePlank®, HardiePanel®, Corian®, Duroplast®, Formica®, and other generic panel such as chipboard, MDF, plasterboard and thermoplastic.

**60X**  
LONGER LIFE THAN CARBIDE

D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
85	15		6	1,8	1,4	12°	TCG	10	236.085.06G
160	20	2/6/32	4	2,4	1,8	12°	TCG	10	236.160.04H
160	20	2/6/32	10	2,4	1,8	5°	TCG	10	236.160.10H
180	20	2/6/32	4	2,4	1,8	12°	TCG	10	236.180.04H
190	30	2/7/42	4	2,4	1,8	12°	TCG	10	236.190.04M
190	30	2/7/42	12	2,4	1,8	12°	TCG	10	236.190.12M
210	30	2/7/42	12	2,4	1,8	12°	TCG	10	236.210.12M
216	30	2/7/42	14	2,4	1,8	12°	TCG	10	236.216.14M
230	30	2/7/42	4	2,4	1,8	12°	TCG	10	236.230.04M
250	30	COMBI3	16	2,4	1,8	12°	TCG	10	236.250.16M
300	30	COMBI3	20	2,4	1,8	12°	TCG	5	236.300.20M

# Rip Saw Blades for Portable Machines

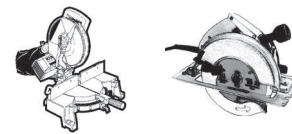


## 290

**APPLICATION:** for rip cuts.

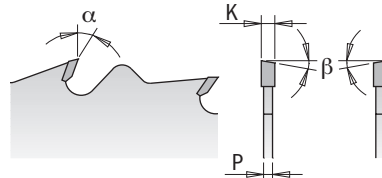
**MACHINES:** mitre saws and portable machines.

**MATERIAL:** soft and hardwood.



6~8

HV10: **1.765**  
N/mm<sup>2</sup>: **2.150**



**EXCELLENT** Rip Cut on Wood

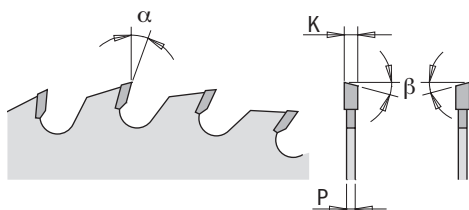
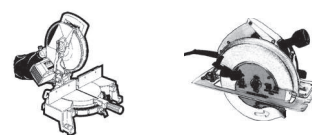
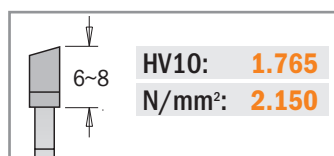
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
150	20		12	2,4	1,4	20°	10° ATB	5	290.150.12H
160	16		12	2,2	1,6	20°	10° ATB	5	290.160.12E
160	20	2/6/32	12	2,2	1,6	20°	10° ATB	5	290.160.12H
180	30	2/7/42	12	2,6	1,6	20°	10° ATB	5	290.180.12M
190	16	2/6/32	12	2,6	1,6	20°	10° ATB	5	290.190.12E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

\* Industrial quality



## 285-291

**APPLICATION:** for rip and crosscuts.  
**MACHINES:** table and mitre saws, portable machines.  
**MATERIAL:** soft and hardwood, plywood.



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

\* Industrial quality

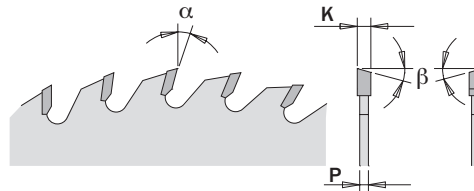
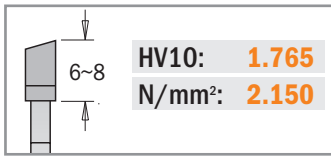
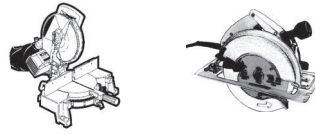


## 281-285-292

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

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

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



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

\* Industrial quality



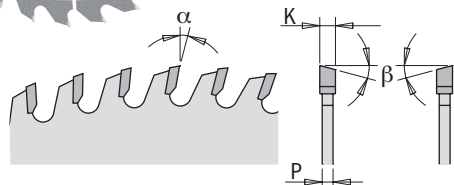
## K (Contractor)

**MACHINES:** portable benchtop and table saws.  
**MATERIAL:** soft/hard wood, plywood, OSB panels.

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



Kit 10 pcs.



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

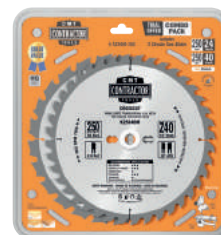


## Contractor Saw Blade Combo

### K (Contractor)

**MACHINES:** portable benchtop and table saws.  
**MATERIAL:** soft/hard wood, plywood, OSB panels.

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



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

MASTERPACK 10

DESCRIPTION	SET CONTAINS ORDER No.	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β
Crosscut	K16024H (1pc.)	160	20	2/6/32	24	2,2	1,4	15°	15° ATB
Fine cut-off	K16040H (2pc.)	160	20	2/6/32	40	2,2	1,4	10°	15° ATB

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

MASTERPACK 10

DESCRIPTION	SET CONTAINS ORDER No.	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β
Crosscut	K19024M (2pc.)	190	30	2/7/42	24	2,2	1,4	20°	10° ATB
Fine cut-off	K19040M (1pc.)	190	30	2/7/42	40	2,2	1,4	15°	10° ATB

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

MASTERPACK 10

DESCRIPTION	SET CONTAINS ORDER No.	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β
Crosscut	K21624M (1pc.)	216	30	2/7/42	24	2,4	1,6	-5° Neg.	15° ATB
Fine cut-off	K21648M (2pc.)	216	30	2/7/42	48	2,4	1,6	-5° Neg.	15° ATB

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

MASTERPACK 10

DESCRIPTION	SET CONTAINS ORDER No.	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β
Rip	K25024M (1pc.)	250	30	COMBI3	24	2,6	1,8	20°	10° ATB
Crosscut	K25040M (1pc.)	250	30	COMBI3	40	2,6	1,8	15°	10° ATB

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

MASTERPACK 5

DESCRIPTION	SET CONTAINS ORDER No.	D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β
Crosscut	K30540M (1pc.)	305	30	COMBI3	40	2,8	2,0	-5° Neg.	10° ATB
Fine cut-off	K30560M (1pc.)	305	30	COMBI3	60	2,8	2,0	-5° Neg.	10° ATB

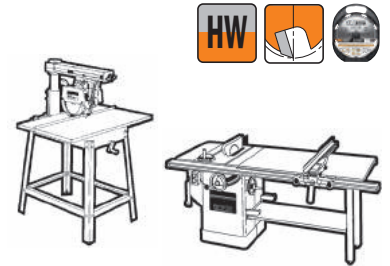
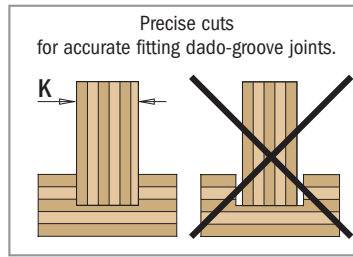
# Dado Saw Blades



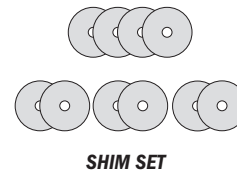
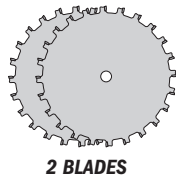
**230** CMT thoroughly researched the shortcomings of "standard" dado sets and learned what cabinet makers required most from an "ideal" dado.

The result was the superior CMT precision dado, designed with the following features:

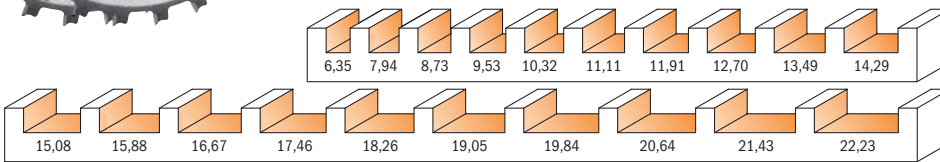
- anti-kickback design to reduce the possibility of overfeeding that can occur when cutting mass material.
- splinter resistant cuts in veneer plywood, melamine and hard and soft woods;
- shim sets included for cuts between 6,35mm (1/4") and 22,23mm (7/8").



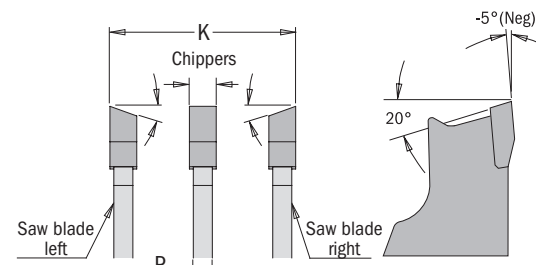
**Precision Dado set includes:**



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

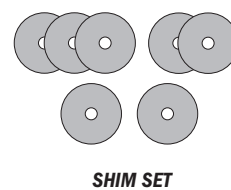
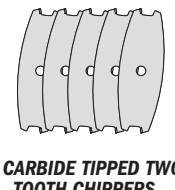
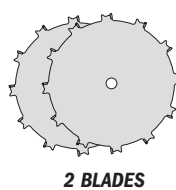


K mm	Number of required inside blades		
	1,6mm	2,4mm	3,2mm
6,35	0	0	0
7,94	1	0	0
8,73	0	1	0
9,53	0	0	1
10,32	1	1	0
11,11	1	0	1
11,91	0	1	1
12,70	0	0	2
13,49	1	1	1
14,29	1	0	2
15,08	0	1	2
15,88	0	0	3
16,67	1	1	2
17,46	1	0	3
18,26	0	1	3
19,05	0	0	4
19,84	1	1	3
20,64	1	0	4
21,43	0	1	4
22,23	1	1	4

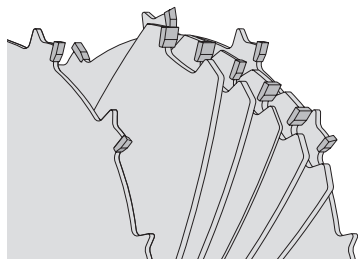
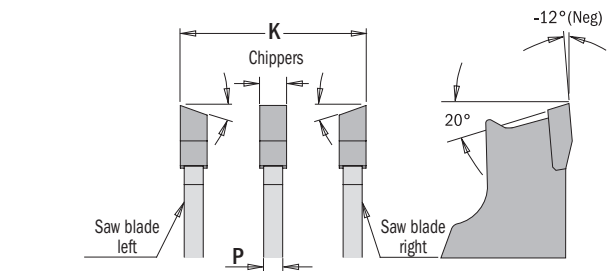
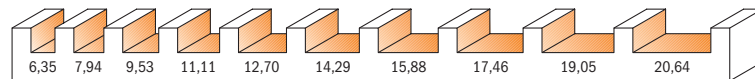


D mm	B mm	Z	P (inside blades)			K min.	K max.	α	β	PACK QTY.	ORDER NO.
			3,2mm	2,4mm	1,6mm						
150	15,87	20	4 pcs.	1 pcs.	1 pcs.	6,35	22,23	-5° Neg.	FTG+ATB	3	<b>230.520.06</b>
200	15,87	24	4 pcs.	1 pcs.	1 pcs.	6,35	22,23	-5° Neg.	FTG+ATB	3	<b>230.524.08</b>
200	30	24	4 pcs.	1 pcs.	1 pcs.	6,35	22,23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

**Dado Pro 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 min.	K max.	α	β	PACK QTY.	ORDER NO.
			3,2mm	1,6mm						
200	15,87	12	4 pcs.	1 pcs.	6,35	20,64	-12° Neg.	FTG+ATB	5	<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

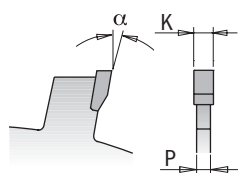
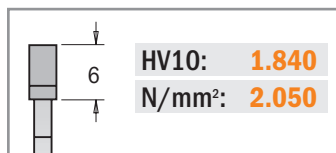


## 240

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

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

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



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

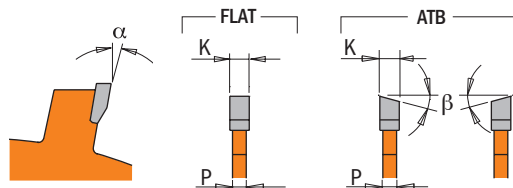
D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
150	30	12	2,0	1,4	15°	FLAT	1	240.020.06M
150	35	12	2,0	1,4	15°	FLAT	1	240.020.06R
150	30	12	3,0	2,0	15°	FLAT	1	240.030.06M
150	35	12	3,0	2,0	15°	FLAT	1	240.030.06R
150	30	12	4,0	3,0	15°	FLAT	1	240.040.06M
150	35	12	4,0	3,0	15°	FLAT	1	240.040.06R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

## Biscuit Joiner Saw Blades



## 240-241

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



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
100	22	4/4,5 - 9,5/36	6	3,96	3,0	18°	10°ATB	10	240.006.04
100	22	4/4,5 - 9,5/36	8	3,96	3,0	15°	10°ATB	10	240.008.04
100*	22	-	8	3,96	3,1-3,8	15°	FLAT	10	241.008.04

\* For Virutex® Machines

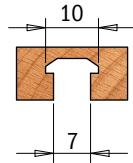
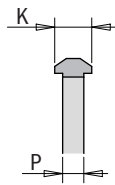
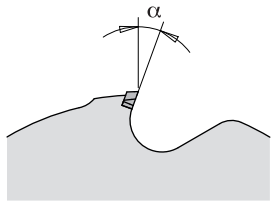




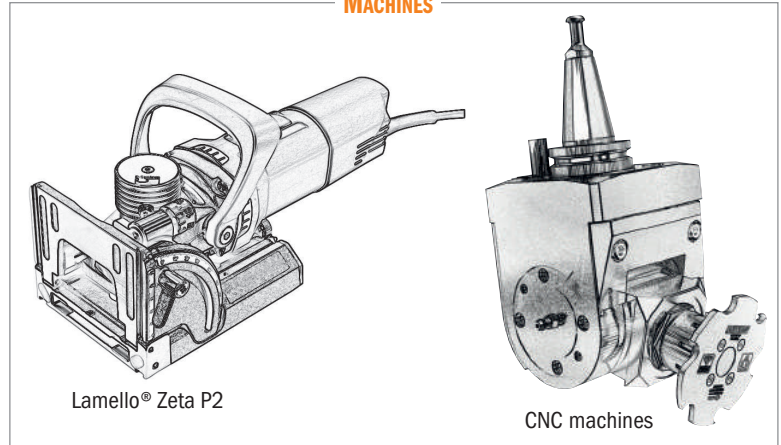
## 240

**APPLICATION:** P-System for connecting fittings. The connecting fitting is a preferred solution for open shelf units, large pieces of furniture and angled counters, and a popular choice as a general glueing aid for a variety of angles. Frequently used as a visually appealing and premium quality solid joint for high-end products.

- Knock down fitting for furniture, shelf units, fitted wardrobes, kitchen manufacturing etc.;
- Glueing aid for mitres and 45° angles;
- Connecting fittings for removable elements in trade booth construction and shopfitting projects;
- Great alternative to standard connecting fittings;
- Quick and easy prototype construction prior to launch of new furniture range;
- On-site adjustments and assembly.

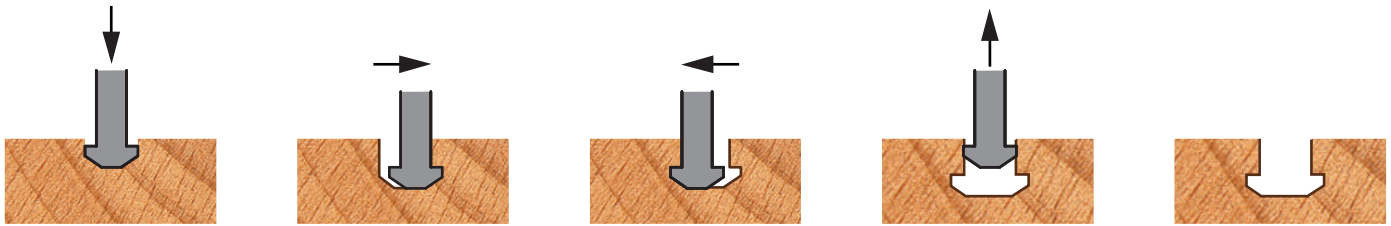


### MACHINES



Lamello® Zeta P2

CNC machines



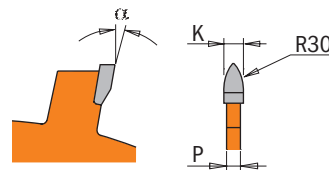
D mm	B mm	MACHINE	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
100,4	22	Zeta P2	4/4,5 - 9,5/36	3	7	4	20°	TCG	1	240.601.04
100,4	30	CNC	4/6,6 - 12/48	3	7	4	20°	TCG	1	240.601.04M

## Circular Saw Blade for Patch Work & Repair

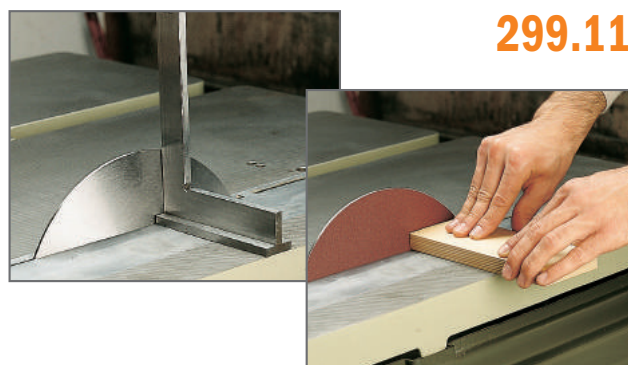


## 240.004.04

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



D mm	B mm	MACHINE	Z	K mm	P mm	$\alpha$	$\beta$	PACK QTY.	ORDER NO.
100	22	Fit Lamello®	4	8,0	6,0	18°	R30	10	240.004.04



## 299.11

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



D mm	B mm	P mm	PACK QTY.	ORDER NO.
200	15,87	2,8	10	<b>299.111.00</b>
200	30	2,8	10	<b>299.111.00M</b>
250	15,87	2,8	10	<b>299.112.00</b>
250	30	2,8	10	<b>299.112.00M</b>

# Saw Blades Stabilizers



## 299.10

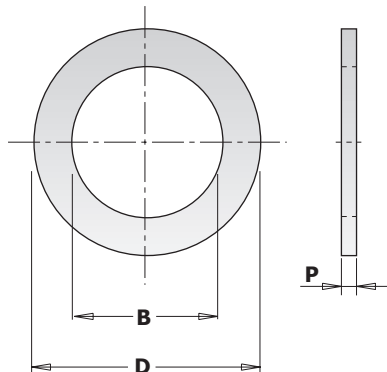
The CMT blade stabilizer virtually eliminates rim vibration to make cleaner, straighter cuts and extend the life of your CMT saw blade. It also helps lessen noise caused by vibration during cutting.



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

DESCRIPTION	D mm	B mm	P mm	PACK QTY.	ORDER NO.
Stabilizer (2 pcs.) for Ø200mm	75	15,87	3,0	5	<b>299.101.00</b>
Stabilizer (2 pcs.) for Ø200mm	75	30	3,0	5	<b>299.101.00M</b>
Stabilizer (2 pcs.) for Ø250mm	125	15,87	3,0	5	<b>299.102.00</b>
Stabilizer (2 pcs.) for Ø250mm	125	30	3,0	5	<b>299.102.00M</b>
Stabilizer (2 pcs.) for Ø300mm	152	25,4	3,0	5	<b>299.103.00</b>
Stabilizer (2 pcs.) for Ø300mm	152	30	3,0	5	<b>299.103.00M</b>

# Reduction Rings for Saw Blades



## 299

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

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

# Saw Blade Index

D mm	B mm	MATERIALS/APPLICATION	Z	K mm	P mm	α	β	ORDER NO.	PAGE
150	30	Wood & Derivatives	48	3,2	2,2	5°	15° ATB	285.048.06M	13
150	35	Grooving	12	2	1,4	15°	FLAT	240.020.06R	38
150	35	Grooving	12	3	2	15°	FLAT	240.030.06R	38
150	35	Grooving	12	4	3	15°	FLAT	240.040.06R	38
150	35	Grooving	12	5	3	15°	FLAT	240.050.06R	38
150	35	Grooving	12	6	3	15°	FLAT	240.060.06R	38
150	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.150.36Q	24
150	20 (+16)	Wood	24	1,5	1	18°	10° ATB + 8° Shear	271.150.24H	30
150	20 (+16)	Wood & Plywood	40	1,5	1	16°	10° ATB + 8° Shear	272.150.40H	31
160	16	Wood	12	2,2	1,6	20°	10° ATB	290.160.12E	33
160	16	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24E	34
160	16	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40E	35
160	20	Abrasive Materials	4	2,4	1,8	12°	TCG	236.160.04H	33
160	20	Abrasive Materials	10	2,4	1,8	5°	TCG	236.160.10H	33
160	20	Wood	12	2,2	1,6	20°	10° ATB	290.160.12H	33
160	20	Multi-Materials	20	2,2	1,6	10°	HR	235.160.20H	21
160	20	Aluminium	24	2,2	1,6	5°	TCG	284.160.24H	26
160	20	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24H	34
160	20	Wood	24	2,2	1,4	15°	15° ATB	K16024H	36
160	20	Wood	24	2,2	1,4	15°	15° ATB	K16024H-X10	36
160	20	Metal & Steel	30	2	1,6	0°	8° FWF	226.030.06H	28
160	20	Two-Sided Melamine	34	2,6	1,8	10°	HDF	287.034.06H	18
160	20	Stainless Steel	40	1,8	1,4	10°	8° FWF	226.540.06H	28
160	20	Two-Sided Melamine	40	2,2	1,6	10°	TCG	281.160.40H2	20
160	20	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40H	35
160	20	Aluminium	40	2,2	1,6	-6° Neg.	TCG	296.160.40H	27
160	20	Wood	40	2,2	1,4	10°	15° ATB	K16040H	36
160	20	Wood	40	2,2	1,4	10°	15° ATB	K16040H-X10	36
160	20	Wood & Derivatives	48	2,2	1,6	5°	15° ATB	285.160.48H	13
160	20	Two-Sided Melamine	56	2,2	1,6	-3° Neg.	TCG	281.161.56H	19
160	20	Wood & Derivatives	56	2,2	1,6	15°	15° ATB	292.160.56H	35
160	20	Aluminium	56	2,2	1,6	-6° Neg.	TCG	296.160.56H	27
160	30	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.160.24M	34
160	30	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.160.40M	35
160	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.160.36Q	24
160	55	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	288.160.360	24
160	55	Two-Sided Melamine	36	4,7-6,0	3,5	10°	CO+FTG	Y288.160.3602	24
160	20 (+16)	Wood	24	1,7	1,1	18°	10° ATB + 8° Shear	271.160.24H	30
160	20 (+16)	Wood & Plywood	40	1,7	1,1	16°	10° ATB + 8° Shear	272.160.40H	31
160	20 (+16)	Wood & Derivatives	56	1,7	1,1	12°	10° ATB + 8° Shear	273.160.56H	31
160	20 (Virutex)	Two-Sided Melamine	40	2,2	1,6	10°	TCG	281.160.40H	20
165	20	Wood & Plywood	24	2,2	1,6	15°	15° ATB	291.165.24H	34
165	20	Wood	24	1,7	1,1	15°	15° ATB	K16524H-X10	36
165	20	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06H	28
165	20	Wood & Derivatives	40	2,2	1,6	10°	15° ATB	292.165.40H	35
165	20	Aluminium	40	2,2	1,6	-6° Neg.	TCG	296.165.40H	27
165	20	Wood & Derivatives	56	2,2	1,6	15°	15° ATB	292.165.56H	35
165	20	Two-Sided Melamine	56	2,2	1,6	-3° Neg.	TCG	281.166.56H	19
165	20	Aluminium	56	2,2	1,6	-6° Neg.	TCG	296.165.56H	27
165	30	Wood	24	1,7	1,1	18°	10° ATB + 8° Shear	271.165.24M	30, 32
165	30	Wood & Plywood	24	2,6	1,6	15°	15° ATB	291.165.24M	34
165	30	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06M	28
165	30	Wood & Derivatives	40	2,6	1,6	10°	15° ATB	292.165.40M	35
165	15,87<>	Metal & Steel	36	1,6	1,2	0°	8° FWF	226.036.06	28, 32
165	20 (+15,87)	Wood	24	1,7	1,1	18°	10° ATB + 8° Shear	271.165.24H	30, 32
165	20 (+15,87)	Wood & Plywood	36	1,7	1,1	20°	10° ATB + 8° Shear	272.165.36H	30, 32
170	30	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.170.24M	34
170	30	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.170.40M	35
180	20	Abrasive Materials	4	2,4	1,8	12°	TCG	236.180.04H	33
180	20	Wood & Plywood	24	2,6	1,6	20°	10° ATB	291.180.24H	34
180	20	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	Y288.180.36H	24
180	20	Wood & Derivatives	40	2,6	1,6	15°	15° ATB	292.180.40H	35
180	20	Aluminium	40	2,8	2,2	-6° Neg.	TCG	296.180.40H	27
180	30	Wood	12	2,6	1,6	20°	10° ATB	290.180.12M	33

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

D mm	B mm	MATERIALS/APPLICATION	Z	K mm	P mm	α	β	ORDER NO.	PAGE
200	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.200.48M	27
200	30	Two-Sided Melamine	64	3,2	2,2	10°	TCG	281.064.08M	19
200	30	Wood & Derivatives	64	3,2	2,2	5°	15° ATB	285.064.08M	13
200	40	Multi-Rip	21+3	2,5	1,8	18°	FLAT	280.021.08S	10
200	45	Two-Sided Melamine	36	4,7-6,0	3,5	10°	CO+FTG	288.200.36Q	24
200	45	Two-Sided Melamine	36	4,3-5,5	3,2	10°	CO+FTG	Y288.200.36Q2	24
200	65	Two-Sided Melamine	36	4,4-5,3	3,2	10°	CO+FTG	288.200.36J	24
210	25	Wood	24	2,8	1,8	20°	10° ATB	290.210.24L	33
210	25	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.210.36L	34
210	25	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.210.48L	35
210	30	Abrasive Materials	12	2,4	1,8	12°	TCG	236.210.12M	33
210	30	Wood	24	2,8	1,8	20°	10° ATB	290.210.24M	33
210	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.210.36M	34
210	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.08M	28
210	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.210.48M	35
210	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.210.48M	27
210	30	Wood & Derivatives	64	2,8	1,8	15°	15° ATB	292.210.64M	35
210	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.210.64M	27
210	15,87<>	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.08	28
210	30 (+25)	Wood	36	1,8	1,2	15°	10° ATB + 8° Shear	271.210.36M	30
210	30 (+25)	Wood & Plywood	48	1,8	1,2	15°	10° ATB + 8° Shear	272.210.48M	31
215	50	Two-Sided Melamine	42	4,3-5,5	3,2	10°	CO+FTG	288.215.42T	24
216	30	Abrasive Materials	14	2,4	1,8	12°	TCG	236.216.14M	33
216	30	Wood	24	2,8	1,8	-5° Neg.	15° ATB	290.216.24M	33
216	30	Wood	24	2,4	1,6	-5° Neg.	15° ATB	K21624M	36
216	30	Wood	24	2,4	1,6	-5° Neg.	15° ATB	K21624M-X10	36
216	30	Multi-Materials	30	2,5	2	10°	HR	235.216.30M	21
216	30	Wood	36	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	271.216.36M	30
216	30	Aluminium	40	2,6	2,2	5°	TCG	284.216.40M	26
216	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.047.09M	28
216	30	Wood & Plywood	48	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	272.216.48M	31
216	30	Wood & Plywood	48	2,8	1,8	-5° Neg.	15° ATB	291.216.48M	34
216	30	Wood	48	2,4	1,6	-5° Neg.	15° ATB	K21648M	36
216	30	Wood	48	2,4	1,6	-5° Neg.	15° ATB	K21648M-X10	36
216	30	Stainless Steel	56	1,8	1,4	10°	8° FWF	226.556.09M	28
216	30	Wood & Derivatives	64	1,8	1,2	-5° Neg.	10° ATB + 8° Shear	273.216.64M	31
216	30	Wood & Derivatives	64	2,8	1,8	-5° Neg.	15° ATB	292.216.64M	35
216	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	297.064.09M	27
216	30	Wood & Derivatives	80	2,8	1,8	-5° Neg.	15° ATB	292.216.80M	35
216	30	Aluminium	80	2,8	2,2	-6° Neg.	TCG	297.080.09M	27
220	30	Wood	24	2,8	1,8	20°	10° ATB	290.220.24M	33
220	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.220.36M	34
220	30	Two-Sided Melamine	42	3,2	2,2	10°	HDF	287.042.09M	18
220	30	Two-Sided Melamine	42	3,2	2,2	-6° Neg.	HDF	287.043.09M	17
220	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.220.48M	35
220	30	Two-Sided Melamine	63	3,2	2,2	-3° Neg.	FFT	281.063.09M	19
220	30	Two-Sided Melamine	64	3,2	2,2	10°	TCG	281.064.09M	19
220	30	Two-Sided Melamine	64	3,2	2,2	-5° Neg.	40° ATB	283.064.09M	15
225	30	Wood & Plywood	36	2,8	1,8	20°	15° ATB	291.225.36M	34
225	30	Wood & Derivatives	48	2,8	1,8	10°	15° ATB	292.225.48M	35
225	30	Aluminium	64	2,8	2,2	-6° Neg.	TCG	296.225.64M	27
230	30	Abrasive Materials	4	2,4	1,8	12°	TCG	236.230.04M	33
230	30	Wood	24	2,8	1,8	20°	10° ATB	290.230.24M	33
230	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.230.36M	34
230	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.230.48M	35
230	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.230.48M	27
230	30	Wood & Derivatives	64	2,8	1,8	15°	15° ATB	292.230.64M	35
235	25	Wood	24	2,8	1,8	20°	10° ATB	290.235.24L	33
235	25	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.235.36L	34
235	25	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.235.48L	35
235	30	Wood	24	2,8	1,8	20°	10° ATB	290.235.24M	33
235	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.235.36M	34
235	30	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.09M	28
235	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.235.48M	35

D mm	B mm	MATERIALS/APPLICATION	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.	PAGE
235	30	Aluminium	48	2,8	2,2	-6° Neg.	TCG	296.235.48M	27
235	30 (+25)	Wood	36	2,4	1,6	18°	10° ATB + 8° Shear	271.235.36M	30
235	30 (+25)	Wood & Plywood	48	2,4	1,6	18°	10° ATB + 8° Shear	272.235.48M	31
240	30	Wood	24	2,8	1,8	20°	10° ATB	290.240.24M	33
240	30	Wood & Plywood	36	2,8	1,8	15°	15° ATB	291.240.36M	34
240	30	Wood & Derivatives	48	2,8	1,8	15°	15° ATB	292.240.48M	35
250	20	Garden	20	2,2	1,4	15°	10° ATB	298.250.20H	32
250	20	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10H	12
250	25,4	Garden	20	2,2	1,4	15°	10° ATB	298.250.20	32
250	30	Abrasive Materials	16	2,4	1,8	12°	TCG	236.250.16M	33
250	30	Construction Materials	16	2,8	1,8	15°	5° ATB	286.016.10M	11
250	30	Wood	24	2,4	1,6	20°	10° ATB + 8° Shear	271.250.24M	30
250	30	Wood	24	2,8	1,8	20°	10° ATB	290.250.24M	11, 33
250	30	Wood	24	2,6	1,8	20°	10° ATB	K25024M	36
250	30	Multi-Materials	36	2,5	2	10°	HR	235.250.36M	21
250	30	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10M	15
250	30	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.640.10M	14
250	30	Wood	40	2,6	1,8	15°	10° ATB	K25040M	36
250	30	Wood	40	2,6	1,8	15°	10° ATB	K25040M-X05	36
250	30	Wood	42	2,4	1,6	18°	10° ATB + 8° Shear	271.250.42M	30
250	30	Two-Sided Melamine	48	3,2	2,2	10°	45° TCG	237.048.10M	22
250	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.10M	12
250	30	Two-Sided Melamine	48	3,2	2,2	10°	HDF	287.048.10M	17
250	30	Two-Sided Melamine	48	3,2	2,2	-6° Neg.	HDF	287.049.10M	16
250	30	Two-Sided Melamine	48	3,2	2,2	10°	HDF	287.648.10M	17
250	30	Wood & Plywood	60	2,4	1,6	15°	10° ATB + 8° Shear	272.250.60M	31
250	30	Two-Sided Melamine	60	3,2	2,2	10°	TCG	281.060.10M	20, 25
250	30	Two-Sided Melamine	60	3,2	2,2	-3° Neg.	FFT	281.061.10M	19
250	30	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.060.10M	12
250	30	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.660.10M	14
250	30	Solid Surface	72	3,2	2,5	0°	MTCG	223.072.10M	29
250	30	Stainless Steel	72	2,2	1,8	10°	8° FWF	226.572.10M	28
250	30	Two-Sided Melamine	78	3,2	2,2	10°	FFT	295.078.10M	18
250	30	PVC, Plexiglass	80	2,8	2,2	-3° Neg.	MATB	222.080.10M	29
250	30	Wood & Derivatives	80	2,4	1,6	12°	10° ATB + 8° Shear	273.250.80M	31
250	30	Multi-Materials	80	3,2	2,2	15°	1FTG+4ATB	274.080.10M	16
250	30	Two-Sided Melamine	80	3,2	2,2	10°	TCG	281.080.10M	20, 25
250	30	Two-Sided Melamine	80	3,2	2,2	5°	TCG	281.680.10M	18
250	30	Two-Sided Melamine	80	3,2	2,2	-2° Neg.	40° ATB	283.080.10M	15
250	30	Two-Sided Melamine	80	3,2	2,2	-2° Neg.	38° ATB	283.680.10M	15
250	30	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.080.10M	13
250	30	Wood & Derivatives	80	3	2,5	10°	20° ATB	285.580.10M	13
250	30	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.680.10M	14
250	30	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10M	27
250	30	Two-Sided Melamine	80	3,2	2,2	-3° Neg.	TCG	281.681.10M	19
250	30	Two-Sided Melamine	81	3,2	2,2	-3° Neg.	FFT	281.081.10M	19
250	30	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10M	9
250	32	Aluminium	80	3,2	2,5	5°	TCG	284.080.10P	26
250	32	Aluminium	80	3,2	2,5	-6° Neg.	TCG	297.080.10P	27
250	35	Wood & Derivatives	40	3,2	2,2	15°	10° ATB	285.040.10R	12
250	35	Wood & Derivatives	60	3,2	2,2	10°	15° ATB	285.060.10R	12
250	35	Wood & Derivatives	80	3,2	2,2	5°	15° ATB	285.080.10R	13
250	70	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10V	9
250	70	Multi-Rip	20+4	2,7	1,8	18°	10° ATB	280.020.10V	10
250	80	Multi-Rip	20+4	3,2	2,2	18°	10° ATB	279.020.10W	9
250	80	Multi-Rip	20+4	2,7	1,8	18°	10° ATB	280.020.10W	10
254	15,87	Metal & Steel	48	2,2	1,8	0°	8° FWF	226.048.10	28
254	15,87	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.10	28
254	15,87	Stainless Steel	72	2,2	1,8	10°	8° FWF	226.572.10	28
254	30	Wood & Plywood	48	2,4	1,8	-5° Neg.	15° ATB	294.048.10M	12
254	30	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.10M	28
254	30	Wood & Plywood	60	2,4	1,8	-5° Neg.	15° ATB	294.060.10M	12
254	30	Aluminium	80	3,2	2,5	-5° Neg.	TCG	297.081.10M	27
260	30	Wood	28	2,8	1,8	20°	10° ATB	290.260.28M	11, 33

D mm	B mm	MATERIALS/APPLICATION	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.	PAGE
260	30	Wood & Derivatives	48	2,8	1,8	15°	10° ATB	285.048.11M	12
260	30	Wood & Derivatives	60	2,8	1,8	10°	15° ATB	285.060.11M	12
260	30	Wood & Plywood	60	2,5	1,8	-5° Neg.	15° ATB	294.060.11M	12
260	30	Aluminium	80	2,8	2,2	-6° Neg.	TCG	297.080.11M	27
270	30	Wood	28	2,8	1,8	20°	10° ATB	290.270.28M	11, 33
270	30	Wood & Plywood	42	2,8	1,8	15°	15° ATB	291.270.42M	12, 34
275	20	Wood & Derivatives	42	3,2	2,2	15°	10° ATB	285.042.11H	12
280	30	Wood & Plywood	64	2,8	1,8	10°	15° ATB	295.064.11M	12
280	30	Aluminium	64	3,2	2,5	-6° Neg.	TCG	297.064.11M	27
300	20	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12H	12
300	30	Abrasive Materials	20	2,4	1,8	12°	TCG	236.300.20M	33
300	30	Construction Materials	20	2,8	1,8	15°	5° ATB	286.020.12M	11
300	30	Wood	24	2,6	1,8	22°	10° ATB + 8° Shear	271.300.24M	30
300	30	Wood	24	3,2	2,2	20°	10° ATB	293.024.12M	11
300	30	Multi-Rip	28	3,2	2,2	18°	10° ATB	278.028.12M	9
300	30	Wood & Derivatives	36	3,2	2,2	15°	10° ATB	285.036.12M	12
300	30	Multi-Materials	44	2,5	2	10°	HR	235.300.44M	21
300	30	Wood	48	2,6	1,8	18°	10° ATB + 8° Shear	271.300.48M	30
300	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12M	12
300	30	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.648.12M	14
300	30	Construction Materials	48	3,2	2,2	15°	10° ATB	286.048.12M	11
300	30	Two-Sided Melamine	60	3,2	2,2	10°	45° TCG	237.060.12M	22
300	30	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12M	25
300	30	Wood & Derivatives	60	3,2	2,2	15°	10° ATB	285.060.12M	12
300	30	Wood & Plywood	72	2,6	1,8	15°	10° ATB + 8° Shear	272.300.72M	31
300	30	Two-Sided Melamine	72	3,2	2,2	10°	TCG	281.072.12M	19, 25
300	30	Two-Sided Melamine	72	3,2	2,2	-3° Neg.	FFT	281.073.12M	19
300	30	Two-Sided Melamine	72	3,2	2,2	10°	TCG	281.672.12M	18
300	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.12M	12
300	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.672.12M	14
300	30	Stainless Steel	80	2,2	1,8	10°	8° FWF	226.580.12M	28
300	30	Solid Surface	84	3,2	2,5	0°	MTCG	223.084.12M	29
300	30	PVC, Plexiglass	96	2,8	2,2	-3° Neg.	MATB	222.096.12M	29
300	30	Two-Sided Melamine	96	3,2	2,2	15°	45° TCG	237.096.12M	22
300	30	Wood & Derivatives	96	2,6	1,8	12°	10° ATB + 8° Shear	273.300.96M	31
300	30	Two-Sided Melamine	96	3,2	2,2	10°	TCG	281.096.12M	19, 25
300	30	Two-Sided Melamine	96	3,2	2,2	-3° Neg.	FFT	281.097.12M	19
300	30	Two-Sided Melamine	96	3,2	2,2	-3° Neg.	TCG	281.697.12M	19
300	30	Two-Sided Melamine	96	3,2	2,2	5°	TCG	281.696.12M	18
300	30	Two-Sided Melamine	96	3,2	2,2	2°	40° ATB	283.096.12M	15
300	30	Two-Sided Melamine	96	3,2	2,2	2°	38° ATB	283.696.12M	15
300	30	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.096.12M	13
300	30	Wood & Derivatives	96	3	2,5	10°	20° ATB	285.596.12M	13
300	30	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.696.12M	14
300	30	Two-Sided Melamine	96	3,2	2,2	10°	FFT	295.096.12M	18
300	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.12M	27
300	30	Multi-Materials	100	3,2	2,2	15°	1FTG+4ATB	274.100.12M	16
300	30	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12M	9
300	30	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12M	10
300	32	Aluminium	96	3,2	2,5	5°	TCG	284.096.12P	26
300	32	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.12P	27
300	35	Wood	24	3,2	2,2	20°	10° ATB	293.024.12R	11
300	35	Wood & Derivatives	48	3,2	2,2	15°	10° ATB	285.048.12R	12
300	35	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.12R	12
300	35	Wood & Derivatives	96	3,2	2,2	5°	15° ATB	285.096.12R	13
300	50	Two-Sided Melamine	48	4,3-5,5	3,2	10°	CO+FTG	288.300.48T	24
300	60	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12U	9
300	65	Two-Sided Melamine	72	4,3-5,5	3,2	10°	CO+FTG	288.300.72J	24
300	70	Multi-Rip	28	3,2	2,2	18°	10° ATB	278.028.12V	9
300	70	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12V	9
300	70	Multi-Rip	24+4	2,7	1,8	18°	10° ATB	280.024.12V	10
300	70	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12V	10
300	75	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12X	25
300	80	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.12W	25



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300	80	Multi-Rip	24+4	3,2	2,2	18°	10° ATB	279.024.12W	9
300	80	Multi-Rip	24+4	2,7	1,8	18°	10° ATB	280.024.12W	10
300	80	Multi-Rip	24+4	4	2,8	18°	10° ATB	277.024.12W	10
303	30	Two-Sided Melamine	60	3,2	2,2	10°	HDF	287.060.12M	17
303	30	Two-Sided Melamine	60	3,2	2,2	-6° Neg.	HDF	287.061.12M	16
303	30	Two-Sided Melamine	60	3,2	2,2	10°	HDF	287.660.12M	17
305	25,4	Metal & Steel	60	2,2	1,8	0°	8° FWF	226.060.12	28
305	25,4	Metal & Steel	80	2,2	1,8	0°	8° FWF	226.080.12	28
305	25,4	Stainless Steel	80	2,2	1,8	10°	8° FWF	226.580.12	28
305	30	Wood	28	2,8	1,8	20°	10° ATB	293.028.22M	11
305	30	Wood	40	2,8	2	-5° Neg.	10° ATB	K30540M	36
305	30	Wood & Plywood	54	2,8	1,8	-5° Neg.	15° ATB	294.054.22M	12
305	30	Wood	60	2,8	2	-5° Neg.	10° ATB	K30560M	36
305	30	Wood & Derivatives	72	3,2	2,2	10°	15° ATB	285.072.22M	13
305	30	Wood & Plywood	72	3,2	2,2	-5° Neg.	15° ATB	294.072.22M	13
305	30	Metal & Steel	80	2,2	1,8	0°	8° FWF	226.080.12M	28
305	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.13M	27
315	30	Construction Materials	24	3,2	2,2	15°	5° ATB	286.024.13M	11
315	30	Wood	28	3,2	2,2	20°	10° ATB	293.028.12M	11
315	30	Wood	36	3,2	2,2	15°	5° ATB	285.036.13M	11
315	30	Wood & Plywood	54	3,2	2,2	15°	10° ATB	294.054.12M	12
315	30	Wood & Derivatives	72	3,2	2,2	15°	10° ATB	285.072.13M	13
315	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.23M	27
320	65	Two-Sided Melamine	60	4,4	3,2	16°	TCG	Y282.060.13J	25
320	65	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.13J	25
330	30	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.33M	27
330	32	Aluminium	96	3,2	2,5	-6° Neg.	TCG	297.096.33P	27
350	30	Construction Materials	24	3,2	2,2	15°	5° ATB	286.024.14M	11
350	30	Wood	28	3,5	2,5	20°	10° ATB	293.028.14M	11
350	30	Multi-Rip	36	3,5	2,5	18°	10° ATB	278.036.14M	9
350	30	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14M	25
350	30	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.054.14M	12
350	30	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.654.14M	14
350	30	Two-Sided Melamine	72	3,5	2,4	15°	45° TCG	237.072.14M	22
350	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14M	25
350	30	Wood & Derivatives	72	3,5	2,5	15°	10° ATB	285.072.14M	12
350	30	Two-Sided Melamine	84	3,5	2,5	10°	TCG	281.084.14M	19
350	30	Two-Sided Melamine	84	3,5	2,5	10°	TCG	281.684.14M	18
350	30	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.084.14M	12
350	30	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.684.14M	14
350	30	Two-Sided Melamine	108	3,5	2,5	10°	TCG	281.108.14M	19, 25
350	30	Two-Sided Melamine	108	3,5	2,5	5°	TCG	281.708.14M	18
350	30	Two-Sided Melamine	108	3,5	2,5	5°	40° ATB	283.108.14M	15
350	30	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.108.14M	13
350	30	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.708.14M	14
350	30	Two-Sided Melamine	108	3,5	2,5	10°	FFT	295.108.14M	18
350	30	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14M	27
350	30	Multi-Rip	24+6	4,2	2,8	18°	10° ATB	277.024.14M	10
350	30	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14M	9
350	32	Aluminium	92	3,2	2,5	5°	TCG	284.092.14P	26
350	32	Aluminium	108	3,2	2,5	5°	TCG	284.108.14P	26
350	32	Aluminium	108	3,2	2,5	-6° Neg.	TCG	297.108.14P	27
350	35	Wood	28	3,5	2,5	20°	10° ATB	293.028.14R	11
350	35	Wood & Derivatives	54	3,5	2,5	15°	10° ATB	285.054.14R	12
350	35	Wood & Derivatives	84	3,5	2,5	10°	15° ATB	285.084.14R	12
350	35	Wood & Derivatives	108	3,5	2,5	5°	15° ATB	285.108.14R	13
350	50	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14T	25
350	60	Two-Sided Melamine	72	4,4	3,2	16°	TCG	Y282.072.14U	25
350	60	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14U	9
350	70	Multi-Rip	36	3,5	2,5	18°	10° ATB	278.036.14V	9
350	70	Multi-Rip	24+6	4,2	2,8	18°	10° ATB	277.024.14V	10
350	70	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14V	9
350	75	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14X	25
350	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14X	25

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350	80	Two-Sided Melamine	54	4,4	3,2	16°	TCG	282.054.14W	25
350	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14W	25
350	80	Multi-Rip	28+4	3,5	2,5	18°	10° ATB	279.028.14W	9
355	25,4	Metal & Steel	72	2,2	1,8	0°	8° FWF	226.072.14	28
355	25,4	Metal & Steel	90	2,2	1,8	0°	8° FWF	226.090.14	28
355	25,4	Stainless Steel	90	2,2	1,8	10°	8° FWF	226.590.14	28
355	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	S282.03556	25
355	30	Metal & Steel	90	2,2	1,8	0°	8° FWF	226.090.14M	28
355	30	Stainless Steel	90	2,2	1,8	10°	8° FWF	226.590.14M	28
355	65	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.14J2	25
380	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.15U	25
380	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.15W	25
400	30	Construction Materials	28	3,2	2,2	15°	5° ATB	286.028.16M	11
400	30	Wood & Derivatives	36	3,5	2,5	20°	10° ATB	285.036.16M	11
400	30	Wood & Derivatives	48	3,5	2,5	20°	10° ATB	285.048.16M	12
400	30	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16M	25
400	30	Wood & Derivatives	60	3,5	2,5	10°	15° ATB	285.060.16M	12
400	30	Wood & Derivatives	60	3,5	2,5	10°	15° ATB	285.660.16M	14
400	30	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16M	25
400	30	Wood & Derivatives	96	3,5	2,5	10°	15° ATB	285.096.16M	13
400	30	Wood & Derivatives	96	3,5	2,5	10°	15° ATB	285.696.16M	14
400	30	Wood & Derivatives	120	3,5	2,5	10°	15° ATB	285.120.16M	13
400	30	Aluminium	120	3,8	3,2	-6° Neg.	TCG	297.120.16M	27
400	30	Multi-Rip	28+6	4	2,8	18°	10° ATB	279.028.16M	9
400	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.16P	26
400	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.16P	27
400	60	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16U	25
400	70	Multi-Rip	28+6	4	2,8	18°	10° ATB	279.028.16V	9
400	75	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16X	25
400	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16X	25
400	80	Two-Sided Melamine	60	4,4	3,2	16°	TCG	282.060.16W	25
400	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.16W	25
420	32	Aluminium	96	3,8	3,2	5°	TCG	284.096.17P	26
430	75	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.17X	25
430	80	Two-Sided Melamine	72	4,4	3,2	16°	TCG	282.072.17W2	25
450	30	Construction Materials	32	3,8	2,8	15°	5° ATB	286.032.18M	11
450	30	Wood & Derivatives	36	3,8	2,8	20°	10° ATB	285.036.18M	11
450	30	Wood & Derivatives	54	3,8	2,8	15°	15° ATB	285.054.18M	12
450	30	Wood & Derivatives	66	3,8	2,8	10°	15° ATB	285.066.18M	12
450	30	Aluminium	140	3,8	3,2	-6° Neg.	TCG	Y297.140.18M	27
450	30	Aluminium	108	3,8	3,2	5°	TCG	284.108.18M	26
450	30	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.18M	28
450	32	Aluminium	108	3,8	3,2	-6° Neg.	TCG	297.108.18P	28
450	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.18U	25
450	80	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.18W2	25
500	30	Construction Materials	36	3,8	2,8	15°	5° ATB	286.036.20M	11
500	30	Wood & Derivatives	44	4	2,8	20°	10° ATB	285.044.20M	11
500	30	Wood & Derivatives	60	3,8	2,8	15°	15° ATB	285.060.20M	12
500	30	Wood & Derivatives	72	3,8	2,8	10°	15° ATB	285.072.20M	12
500	30	Aluminium	120	4	3,2	-6° Neg.	TCG	297.120.20M	28
500	30	Aluminium	120	4	3,2	5°	TCG	284.120.20M	26
500	32	Aluminium	120	4	3,2	5°	TCG	284.120.20P	26
500	32	Aluminium	120	4	3,2	-6° Neg.	TCG	297.120.20P	27
500	60	Two-Sided Melamine	72	4,8	3,5	16°	TCG	282.072.20U	25
500	80	Two-Sided Melamine	72	4,8	3,5	16°	TCG	Y282.072.20W	25
550	30	Construction Materials	40	4,2	3,2	15°	5° ATB	286.040.22M	11
550	30	Wood & Derivatives	60	4,2	3,2	10°	15° ATB	285.060.22M	12
550	30	Wood & Derivatives	96	4,2	3,2	10°	15° ATB	285.096.22M	12
550	100	Two-Sided Melamine	72	5,2	3,5	16°	TCG	282.072.22A	25
600	30	Construction Materials	40	4,2	3,2	15°	5° ATB	286.040.24M	11
600	30	Wood & Derivatives	66	4,2	3,2	10°	15° ATB	285.066.24M	12
700	30	Construction Materials	46	4,4	3,2	15°	5° ATB	286.046.28M	11
700	30	Wood & Derivatives	72	4,4	3,2	10°	15° ATB	285.072.28M	12





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800.626	169	836	188	856.601	208	881.531	219	904	187
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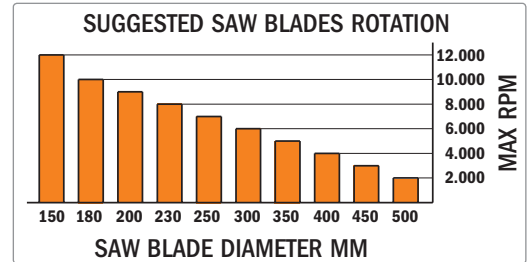
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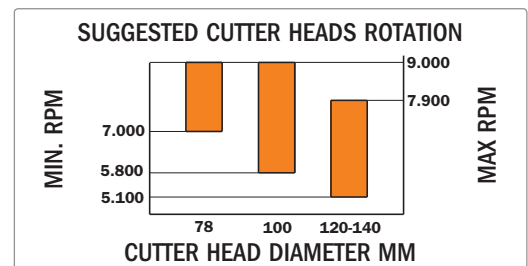
## Saw blade safety

- ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use a fence and splitter when using the table saw. Do not make freehand cuts.
- ALWAYS** use pusher blocks or a pusher stick, especially when working with small or narrow pieces.
- ALWAYS** unplug your saw before cleaning or adjusting the tool, or before making blade changes.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the workpiece against the rotation of the blade on table saws.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards from radial arm saws and miter saws.
- NEVER** remove the splitter or anti-kickback devices from table saws.
- NEVER** use dull or damaged blades.
- NEVER** use blades with missing or chipped teeth.
- NEVER** force the cut or overload the saw.
- NEVER** change blades with the saw is plugged in.
- NEVER** make adjustments to any saw while the blade is rotating.



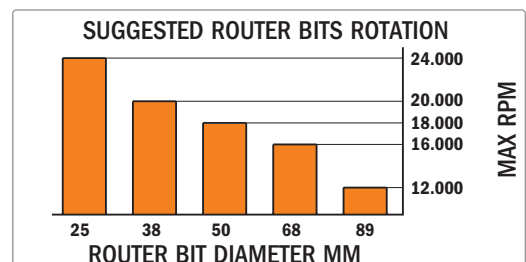
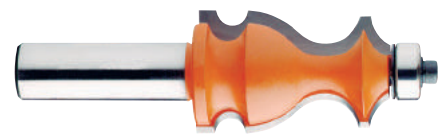
## Cutter head safety

- ALWAYS** thoroughly check all cutters for damage and flaws before using.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use guards that were supplied with your shaper.
- ALWAYS** use a fence with your shaper. Do not make freehand cuts.
- ALWAYS** use pusher blocks, especially when working with small or narrow pieces.
- ALWAYS** unplug your shaper before cleaning or adjusting the tool, or before making cutter or knife changes.
- ALWAYS** be sure the spindle nut is tight before plugging in the shaper.
- ALWAYS** check that knives are properly and securely installed in the cutterhead when using interchangeable-knife systems.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the workpiece against the rotation of the knives.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards or any other safety devices from your shaper.
- NEVER** use dull or damaged knives.
- NEVER** force the cut or overload the shaper.
- NEVER** change cutters or knives or make adjustments with the shaper plugged in.
- NEVER** make adjustments to the shaper while the cutter is rotating.



## Router bits safety

- ALWAYS** thoroughly check all tools for possible flaws before using.
- ALWAYS** wear safety glasses and ear protection.
- ALWAYS** thoroughly read the owners manual and manufacturer instructions before using.
- ALWAYS** check that at least 75% of the shank is securely inserted into the collet of the router.
- ALWAYS** use template guide collars when possible to absorb lateral bit deflection.
- ALWAYS** use a fence when working on the router table.
- ALWAYS** reduce the router speed when working with larger diameter bits.
- ALWAYS** keep your fence adjusted so there is some clearance between the bearing guide and the workpiece.
- ALWAYS** take care to remove large quantities of stock (cross section > 10mm) in more than one run.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- NEVER** use dull or defective tools, even suspiciously defective.
- NEVER** force the shank entirely into the collet (bottoming out). Leave about a 3,2mm (1/8") space from the bottom.
- NEVER** force the bit into your router or overload the router.



# Conversion Table



Inch Decimals	Inch Fractions (x)						Millimeters					
	1/64	1/32	1/16	1/8	1/4	1/2	mm	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
0.015625	1/64						0.397	25.400	50.800	76.200	101.600	127.000
0.031250		1/32					0.794	25.797	51.197	76.597	101.997	127.397
0.046875	3/64						1.191	26.194	51.595	76.994	102.394	127.794
0.062500			1/16				1.588	26.591	51.991	77.391	102.791	128.191
0.078125	5/64						1.984	26.988	52.388	77.788	103.188	128.588
0.093750		3/32					2.381	27.384	52.784	78.184	103.584	128.984
0.109375	7/64						2.778	27.781	53.181	78.581	103.981	129.381
0.125000				1/8			3.175	28.178	53.578	78.978	104.378	129.778
0.140625	9/64						3.572	28.575	53.975	79.375	104.775	130.175
0.156250		5/32					3.969	28.972	54.372	79.772	105.172	130.572
0.171875	11/64						4.366	29.369	54.769	80.169	105.569	130.969
0.187500			3/16				4.762	29.766	55.166	80.568	105.966	131.366
0.203125	13/64						5.159	29.766	55.562	80.962	106.362	131.762
0.218750		7/32					5.556	30.162	55.959	81.359	106.759	132.159
0.234375	15/64						5.953	30.559	56.356	81.756	107.156	132.556
0.250000					1/4		6.350	30.956	56.753	82.153	107.553	132.953
0.265625	17/64						6.747	31.353	57.150	82.550	107.950	133.350
0.281250		9/32					7.144	31.750	57.547	82.947	108.347	133.747
0.296875	19/64						7.541	32.147	57.944	83.344	108.744	134.144
0.312500			5/16				7.938	32.544	58.341	83.741	109.141	134.541
0.328125	21/64						8.334	32.941	58.738	84.138	109.538	134.938
0.343750		11/32					8.731	33.338	59.134	84.534	109.934	135.334
0.359375	23/64						9.128	33.734	59.531	84.931	110.331	135.731
0.375000				3/8			9.526	34.131	59.928	85.328	110.728	136.128
0.390625	25/64						9.922	34.528	60.325	85.725	111.125	136.525
0.406250		13/32					10.319	34.925	60.722	86.122	111.522	136.922
0.421875	27/64						10.716	35.322	61.119	86.519	111.919	137.319
0.437500			7/16				11.112	35.719	61.516	86.916	112.316	137.716
0.453125	29/64						11.509	36.116	61.912	87.312	112.712	138.112
0.468750		15/32					11.906	36.512	62.309	87.709	113.109	138.509
0.484375	31/64						12.303	36.909	62.706	88.106	113.506	138.906
0.500000						1/2	12.700	37.306	63.103	88.503	113.903	139.303
0.515625	33/64						13.097	37.703	63.500	88.900	114.300	139.700
0.531250		17/32					13.494	38.100	63.897	89.297	114.697	140.097
0.546875	35/64						13.891	38.497	64.294	89.694	115.094	140.494
0.562500			9/16				14.288	38.894	64.691	90.091	115.491	140.891
0.578125	37/64						14.684	39.291	65.088	90.488	115.888	141.288
0.593750		19/32					15.081	39.688	65.484	90.884	116.284	141.684
0.609375	39/64						15.478	40.084	65.881	91.281	116.681	142.081
0.625000				5/8			15.875	40.481	66.278	91.678	117.078	142.478
0.640625	41/64						16.272	40.878	66.675	92.075	117.475	142.875
0.656250		21/32					16.669	41.275	67.072	92.472	117.872	143.272
0.671875	43/64						17.066	41.672	67.469	92.869	118.269	143.669
0.687500			11/16				17.462	42.069	67.866	93.266	118.666	144.066
0.703125	45/64						17.859	42.466	68.262	93.662	119.062	144.462
0.718750		23/32					18.256	42.862	68.659	94.059	119.459	144.859
0.734375	47/64						18.653	43.259	69.056	94.456	119.856	145.256
0.750000					3/4		19.050	43.656	69.453	94.855	120.253	145.653
0.765625	49/64						19.447	44.053	69.850	95.250	120.650	146.050
0.781250		25/32					19.844	44.450	70.247	95.647	121.047	146.447
0.796875	51/64						20.241	44.847	70.644	96.044	121.444	146.844
0.812500			13/16				20.638	45.244	71.041	96.441	121.841	147.241
0.828125	53/64						21.034	45.641	71.438	96.838	122.238	147.638
0.843750		27/32					21.431	46.038	71.834	97.234	122.634	148.034
0.859375	55/64						21.828	46.434	72.231	97.631	123.031	148.431
0.875000				7/8			22.225	46.831	72.628	98.028	123.428	148.828
0.890625	57/64						22.622	47.228	73.025	98.425	123.825	149.225
0.906250		29/32					23.019	47.625	73.422	98.822	124.222	149.622
0.921875	59/64						23.416	48.022	73.819	99.219	124.619	150.019
0.937500			15/16				23.812	48.419	74.216	99.616	125.016	150.416
0.953125	61/64						24.209	48.816	74.612	100.012	125.412	150.812
0.968750		31/32					24.606	49.212	75.009	100.409	125.809	151.209
0.984375	63/64						25.003	49.609	75.406	100.806	126.206	151.606
								50.000	75.803	101.203	126.603	152.003



# Explanation of symbol

**HV10** Hardness  
Vickers 10kg (HV10)

**N/mm<sup>2</sup>** Transverse rupture strength  
(expressed in N/mm<sup>2</sup>)



Tungsten carbide tipped



Solid tungsten carbide



Insert carbide



Alloyed tools steel



High speed steel



High performance steel



High carbon steel



High-alloyed tool steel



Bimetal



TiN coated bimetal with 8% cobalt teeth



Cermet Carbide



Carbide grit



Polycrystalline diamond



Polycrystalline diamond



Diamond grit



Twelve cutting edges HW



One cutting edge HW



Two cutting edges HW



Three cutting edges HW



Four cutting edges HW



One HW + one cutting edges HW



Two HW + two cutting edges HW



Three HW + three cutting edges HW



Four HW + four cutting edges HW



Two HW + one cutting edges HW



Three cutting edges HW with chipbreaker



One spur



Two spur



Four spur



Right-hand rotation



Left-hand rotation



Right-hand & Left-hand rotation



Antikick-back



Radial relief



Tool with plunging capacity



Axial angle



Mechanical feed



Manual feed



Grooving, sizing



Rebating



Slooting



Spiral boring



Avoid axial plunging



Tool with bearing



Plastic box for cutter head



Plastic carry case for saw blades



Clamshell carry case for saw blades



Cardboard box for saw blades



ORANGE CHROME



High-Density Carbide



High performance tool



Non-Stick Orange Shield Coating™



Shear Angle Grind



Saw blade with dampening slots with fill



Saw blade with dampening slots without fill



Not for hand held use for router table only



Warning



Warning! Flammable material!



Wear safety shoes



Wear five finger gloves



Wear safety glasses



Wear ear protection



Wear dust mask



Wear safety helmet

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