



# SAW BLADES

ENGLISH EDITION 2026

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

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

\*INTERNATIONAL PATENT PENDING

<p><b>DEMOLITION</b></p>  <p><b>12</b></p>	<p><b>CONSTRUCTION</b></p>  <p><b>13</b></p>	<p><b>MULTI-RIP</b></p>  <p><b>14~17</b></p>	<p><b>RIPPING</b></p>  <p><b>18~21</b></p>	<b>WOOD</b>
<p><b>RIPPING &amp; CROSSCUT</b></p>  <p><b>22~25</b></p>	<p><b>FINISHING</b></p>  <p><b>26~29</b></p>	<p><b>FINE FINISHING</b></p>  <p><b>30~35</b></p>	<p><b>ULTRA FINE FINISHING</b></p>  <p><b>36~39</b></p>	
<p><b>LAMINATED &amp; CHIPBOARD, HPL</b></p>  <p><b>40~45</b></p>	<p><b>DP - LAMINATED &amp; CHIPBOARD</b></p>  <p><b>46-47</b></p>	<p><b>PANEL SIZING &amp; DPX</b></p>  <p><b>48-49</b></p>	<p><b>SCORING</b></p>  <p><b>50-51</b></p>	
<p><b>CONTRACTOR</b></p>  <p><b>52-53</b></p>	<p><b>DADO</b></p>  <p><b>54~56</b></p>	<p><b>GROOVING SYSTEM</b></p>  <p><b>57</b></p>	<p><b>GROOVING &amp; BISCUIT JOINER</b></p>  <p><b>58~60</b></p>	
<p><b>ANGLE GRINDER</b></p>  <p><b>10</b></p>	<p><b>DP - ULTRA-HARD &amp; MULTI-MATERIALS</b></p>  <p><b>11, 62</b></p>	<p><b>CLEARING GRASS, BUSHES, SMALL TREES</b></p>  <p><b>61</b></p>	<p><b>SOLID SURFACE &amp; PLASTICS</b></p>  <p><b>63</b></p>	
<p><b>NON-FERROUS &amp; PLASTICS</b></p>  <p><b>64-65</b></p>	<p><b>NON-FERROUS &amp; MELAMINE</b></p>  <p><b>66-67</b></p>	<p><b>NON-FERROUS &amp; MELAMINE</b></p>  <p><b>68</b></p>	<p><b>NON-FERROUS &amp; MELAMINE - THIN KERF</b></p>  <p><b>69</b></p>	<b>NON-FERROUS</b>
<p><b>HSS - METAL &amp; STEEL</b></p>  <p><b>70-71</b></p>	<p><b>HSS - METAL &amp; STEEL (TiCN)</b></p>  <p><b>71</b></p>	<p><b>METAL &amp; STEEL</b></p>  <p><b>72-73</b></p>	<p><b>STAINLESS STEEL</b></p>  <p><b>74</b></p>	

## NEW PRODUCTION FACILITY IN UDINE, ITALIA

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

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

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



## QUALITY ACCORDING TO CMT

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

### STEEL PLATE

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

### LASER CUT

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

### EXPANSION SLOTS

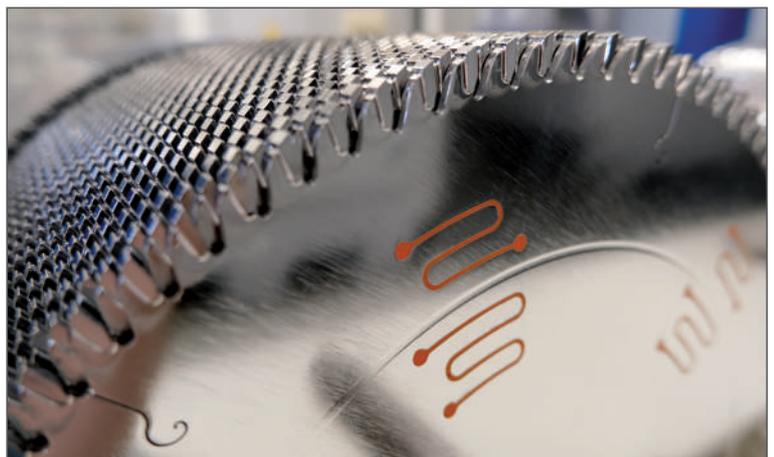
Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications or centrifugal forces.



### LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING POLYMER

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

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



## CMT XTREME BALANCING® \*

\* INTERNATIONAL PATENT PENDING

This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace.

Each blade undergoes rigorous assessment and only in the event that micro imbalance is detected will the appropriate correction holes be applied.

You may find 1 to 5 micro balancing holes on your blade, depending on the degree of micro imbalance (fig.1). When in perfect balance, a single incision will appear on the blade as proof of balance (fig. 2).

These holes will have no effect on the technical properties of the blade during use (such as an increase in noise\*\*, chip build-up at the correction site, etc.).

This translates to precise cutting, longer blade life, reduced vibration and noise, and less wear and tear on your machine components.

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

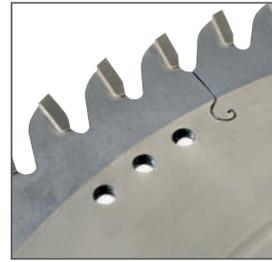
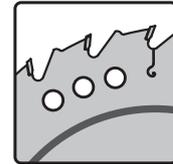


Fig. 1 Example of balancing holes.



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

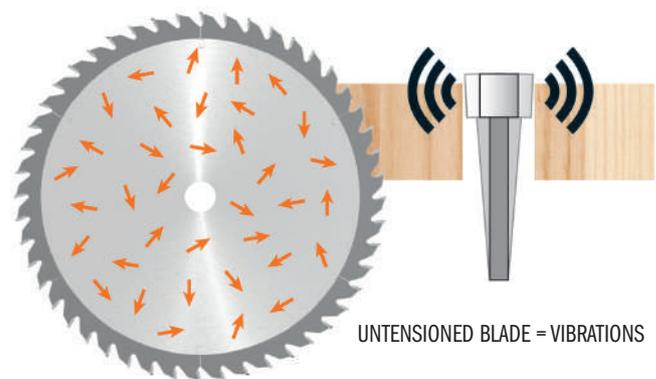
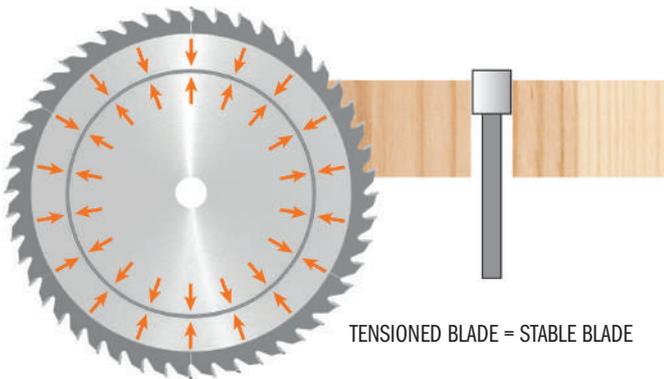
**CMT XTREME  
BALANCING**



## TENSIONING RINGS & FLATTING

To ensure maximum performance, flattening and plate tensioning processes are performed. Every single blade is subject to a flattening process in order to achieve the highest flatness tolerance. The blade body then undergoes tensioning in order to enhance stiffness and stability.

A well-marked and visible ring is applied to the blade body by means of compression and with a predetermined force linked to the intended application and working conditions of each blade.

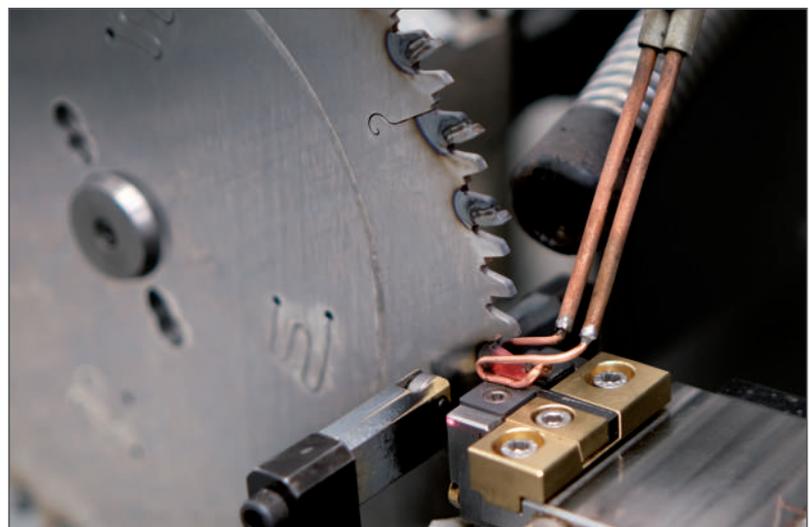
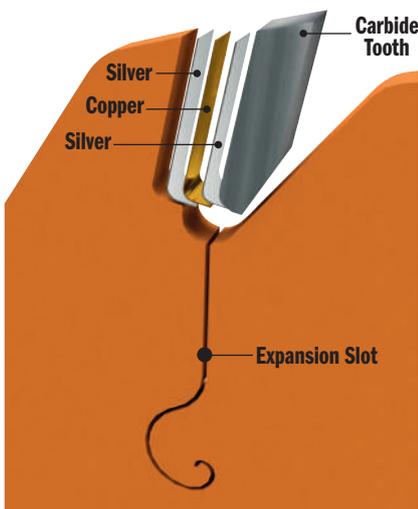


## CARBIDE TEETH

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

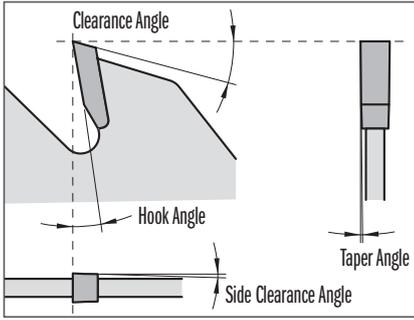
## TRI-METAL BRAZING

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



# CMT Orange Tools

## SHARPENING & CUTTING ANGLES



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



## COATING

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

**ORANGE CHROME® COATING**

**CORROSION FREE CHROME SHIELD COATING**

**CHROME SHIELD COATING**

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

**ORANGE SHIELD® COATING**

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

## LASER MARKING & SCREEN PRINTING

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



## FINAL TESTING AND QUALITY CONTROL

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



## NEW PACKAGING

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

## HOW TO CHOOSE A BLADE IN THE NEW CMT CATALOGUE

1

### WHAT'S THE MATERIAL YOU WANT TO CUT?

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

See table on page 5

2

### WHAT'S THE APPLICATION?

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

See table on page 5

3

### WHAT ARE THE PERFORMANCE EXPECTATIONS?



4

### WHAT MACHINE ARE YOU USING?

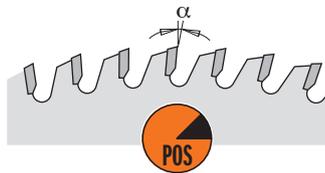
BASED ON YOUR MACHINE, CHOOSE THE APPROPRIATE BLADE:

- DIAMETER (D)
- BORE (B)

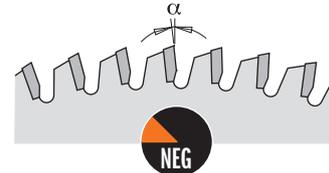
### SUGGESTIONS FOR CHOOSING THE RIGHT BLADE:

#### HOOK ANGLE $\alpha$

- Wood, Solid Surface ( $\alpha = 10^\circ \sim 25^\circ$ )
- Chipboard, MDF, Plywood, Laminate, Plastics ( $\alpha = 5^\circ \sim 15^\circ$ )
- Chipboard, MDF, Non-Ferrous, Metals ( $\alpha = 0^\circ \sim 10^\circ$ )



- Metals, Non-Ferrous, Plastics, Laminate ( $\alpha = -5^\circ \sim -15^\circ$ )



#### TEETH SHAPE

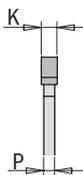
- Wood, Chipboard, MDF, Plywood

- Laminate, Chipboard, MDF, Plywood, Plastics

- Metals

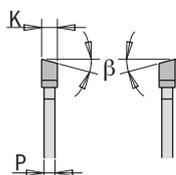
- Special Application/Materials

#### FLAT

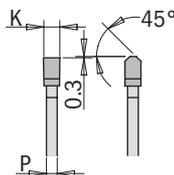


#### ATB

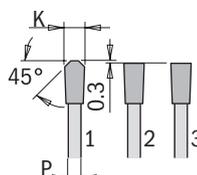
(Hi-ATB, ATB+SHEAR)



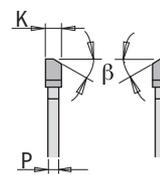
#### TCG



#### FFT



#### FWF



#### HDF

- FLAT+ATB
- CO+FLAT
- MTCG
- MATB
- HR

### SUGGESTIONS FOR BLADE USE:

In order to achieve the best cut possible, that is without modifying the predetermined angle of entry/exit, it is important that the portion of the blade (**H**) which extends beyond the workpiece during the cut, be close to equal to the height of an entire tooth (approx. 8/10mm).

To improve the finish, it is possible to make small adjustments by increasing or decreasing this height.

The number of teeth simultaneously engaged in cutting the material (**Teeth Cutting or Zp**) must be constant as the thickness (**S**) of the material varies. As with  $Z_p < 3$ , the cutting quality is not guaranteed.

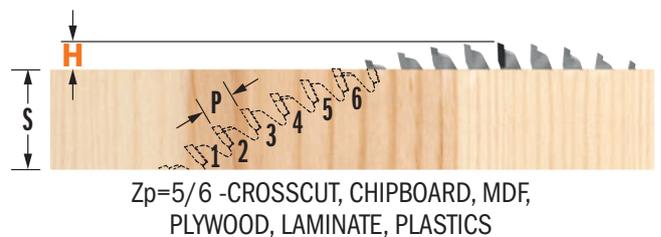
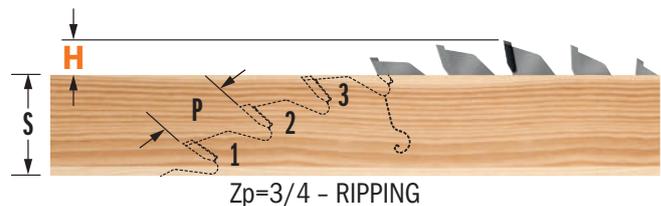
With the same diameter, and when cutting thicker material, ensure to use a blade with less teeth (or with a greater Pitch **P**) or vice versa ( $S = [P \times Z_p] / 1.414$ ).

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

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

We typically recommend using the blade at around **80% of MAX RPM** (as indicated on each blade).

However, this should be considered a starting point, as many variables are involved, in fact the best way to go forward is step-by-step.



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

$$P = \frac{D \times 3.14}{Z} \quad \begin{matrix} D = \text{Blade Diameter (mm)} \\ Z = N^\circ \text{ of Teeth} \end{matrix}$$

# Multi-Materials Carbide Wheel for Angle Grinder



**MULTI-MATERIALS**



## 286 ITK PLUS®

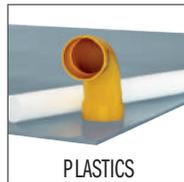
D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	286.115.01
125	22.23 (+20+15.88)	10	286.125.01
230	22.23	5	286.230.01

### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



# Multi-Materials Diamond Dry Wheel for Angle Grinder



**MULTI-MATERIALS**



## 286.61 ITK PLUS®

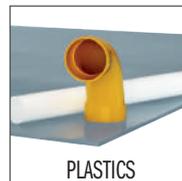
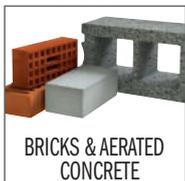
D mm	B mm		ORDER NO.
115	22.23 (+9.53+15.88)	10	286.115.61
125	22.23 (+20+15.88)	10	286.125.61

### MACHINES



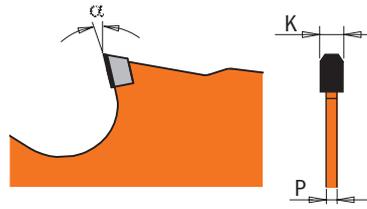
Blade diameter compatibility is contingent on machine type.

### MATERIALS





**236 ITK PLUS®**



**60X**  
 LONGER LIFE  
 THAN CARBIDE

PCD DP

★ ★ ★ ★ ★  
 PERFORMANCE

**MULTI-MATERIALS**

**MACHINES**



**BATTERY SAVER**

Blade diameter compatibility is contingent on machine type.

**MATERIALS**

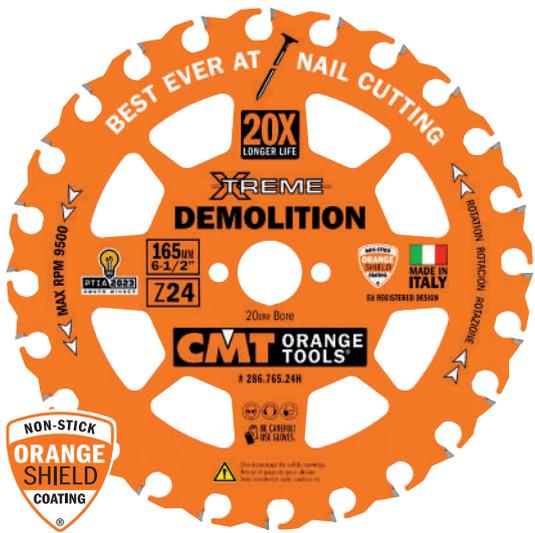


**IDEAL FOR:**  
 SWISSPEARL®, FERMACELL®,  
 IVARPLANK®,  
 HARDIEPLANK®,  
 HARDIEPANEL®,  
 CORIAN®, DUROPLAST®,  
 FORMICA®

D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
85 *	15	-	6	1.8	1.4	12°	TCG	10	236.085.06G
125 *	22.23	-	7	2.0	1.4	5°	TCG	10	236.125.07
160	20	2/6/32	4	2.4	1.8	12°	TCG	10	236.160.04H
160	20	2/6/32	10	2.4	1.8	5°	TCG	10	236.160.10H
165	20 (+15.88)	2/6/32	4	1.8	1.4	12°	TCG	10	236.165.04H
165	20 (+15.88)	2/6/32	10	1.8	1.4	5°	TCG	10	236.165.10H
168	20	2/6/32	10	1.8	1.2	5°	TCG	10	236.168.10H ●
180	20	2/6/32	4	2.4	1.8	12°	TCG	10	236.180.04H
190	30	2/7/42	4	2.4	1.8	12°	TCG	10	236.190.04M
190	30	2/7/42	12	2.4	1.8	12°	TCG	10	236.190.12M
210	30	2/7/42	12	2.4	1.8	12°	TCG	10	236.210.12M
216	30	2/7/42	14	2.4	1.8	12°	TCG	10	236.216.14M
230	30	2/7/42	4	2.4	1.8	12°	TCG	10	236.230.04M
250	30	COMBI3	16	2.4	1.8	12°	TCG	10	236.250.16M
300	30	COMBI3	20	2.4	1.8	12°	TCG	5	236.300.20M

\*Non-Silent Blades

● Ideal for **FEESTOOL®** & others



**BEST EVER AT NAIL CUTTING**

**286 XTREME- DEMOLITION**

**INNOVATIONS**  
EU REGISTERED DESIGN



**WOOD & NAILS**



**EXCLUSIVE SECURED TOOTH GEOMETRY**  
- BETTER HANDLES IMPACT WITH NAILS  
- CUTS MORE NAILS THAN COMPETITORS

Engineered to ensure the longest tool life under the most demanding conditions. Tips are brazed deep inside the blade plate for superior nail impact resistance.



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

**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**



**PTIA 2023**  
AWARD WINNER

**2023 PRO TOOL INNOVATION AWARDS**  
**CIRCULAR SAW BLADE WINNER**

"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"

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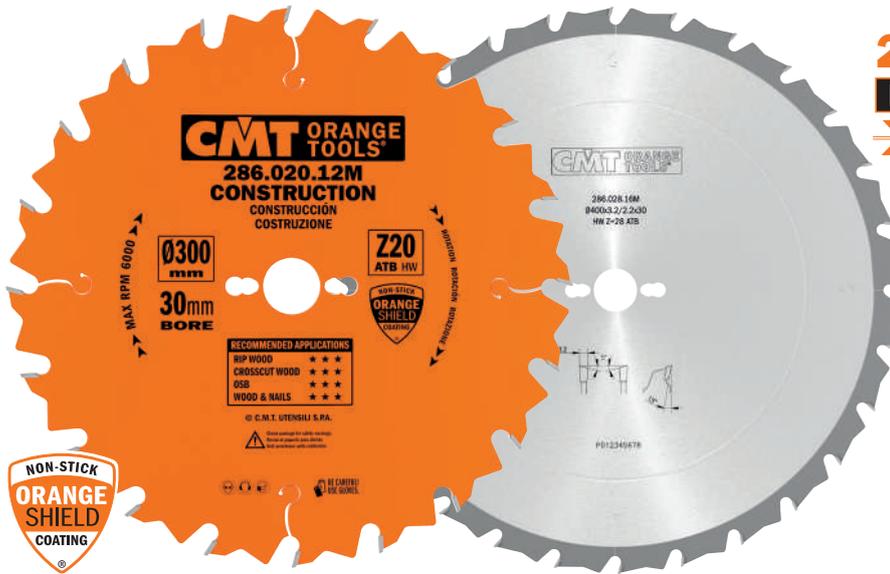


Watch the video on



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

● Ideal for **FESTOOL®** & others



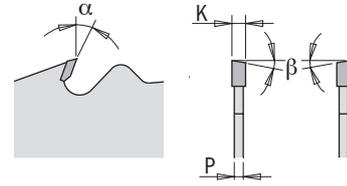
**286**

**INDUSTRIAL**

**X-TREME**



**WOOD**



Images are not in scale with each other.

**MACHINES**



Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**



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

**286 INDUSTRIAL**

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

\* Without limiter

**286 X-TREME**

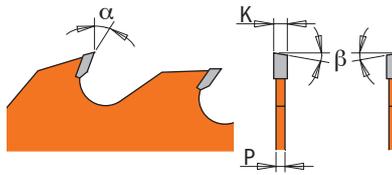
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	APPLICATIONS		ORDER NO.
400	30	COMBI3	28	3.2	2.2	15°	ATB 5°	Construction	1	286.028.16M
450	30	2/10/60	32	3.8	2.8	15°	ATB 5°	Construction	1	286.032.18M
500	30	2/10/60	36	3.8	2.8	15°	ATB 5°	Construction	1	286.036.20M
550	30	2/10/60	40	4.2	3.2	15°	ATB 5°	Construction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

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

# Multi-Rip with Rakers - THIN KERF



## 280 INDUSTRIAL



**WOOD**

### TECHNICAL DETAILS:

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

Thin Kerf minimises materials wastes.

### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS

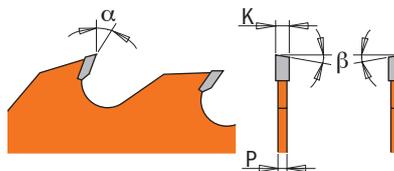


D mm	B mm	KEY WAY 	PIN HOLE 	Z+V	K mm	P mm	T <sub>1</sub> mm	α	β		ORDER NO.
180	40	-	-	21+3	2.5	1.8	30	18°	FLAT	1	280.021.07S
200	40	-	-	21+3	2.5	1.8	35	18°	FLAT	1	280.021.08S
250	70	21 x 5	-	20+4	2.7	1.8	50	18°	ATB 10°	1	280.020.10V
250	80	13 x 5	-	20+4	2.7	1.8	50	18°	ATB 10°	1	280.020.10W
300	70	21 x 5	-	24+4	2.7	1.8	60	18°	ATB 10°	1	280.024.12V
300	80	13 x 5	-	24+4	2.7	1.8	60	18°	ATB 10°	1	280.024.12W

## 277 INDUSTRIAL



**WOOD**



### TECHNICAL DETAILS:

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

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

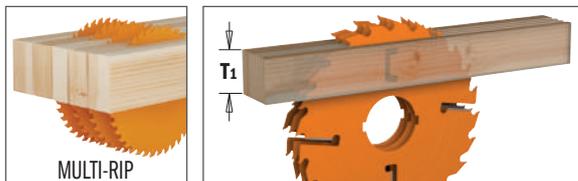


### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



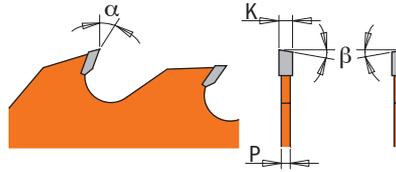
D mm	B mm	KEY WAY	PIN HOLE	Z+V	K mm	P mm	T <sub>1</sub> mm	α	β		ORDER NO.
300	30	-	COMBI3	24+4	4.0	2.8	80	18°	ATB 10°	1	277.024.12M
300	70	21 x 5	-	24+4	4.0	2.8	80	18°	ATB 10°	1	277.024.12V
300	80	13 x 5	-	24+4	4.0	2.8	80	18°	ATB 10°	1	277.024.12W
350	30	-	COMBI3	24+6	4.2	2.8	105	18°	ATB 10°	1	277.024.14M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



## 279 INDUSTRIAL



**WOOD**



### TECHNICAL DETAILS:

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

### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS

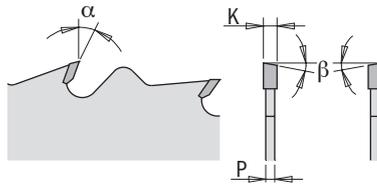


### MATERIALS



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

## 278 CHROME SHIELD



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



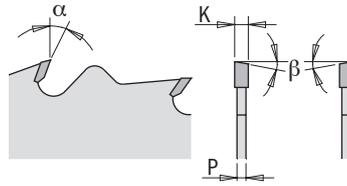
D mm	B mm	KEY WAY	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	ORDER NO.
300	30	-	COMBI3	28	3.2	2.2	18°	ATB 10°	<b>1</b> 278.028.12M
300	70	21x5	-	28	3.2	2.2	18°	ATB 10°	<b>1</b> 278.028.12V
350	30	-	COMBI3	36	3.5	2.5	18°	ATB 10°	<b>1</b> 278.036.14M
350	70	21x5	-	36	3.5	2.5	18°	ATB 10°	<b>1</b> 278.036.14V



## 285 ORANGE CHROME®



**WOOD**



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



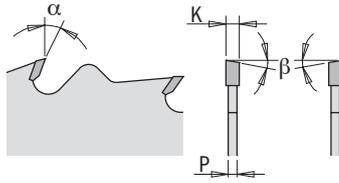
### MATERIALS



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



**285-293** XTREME



**WOOD**

## MACHINES



Blade diameter compatibility is contingent on machine type.

## APPLICATIONS



## MATERIALS

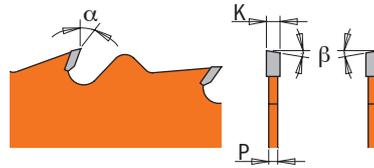


D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
300	30	COMBI3	24	3.2	2.2	20°	ATB 10°	1	293.024.12M
300	35	-	24	3.2	2.2	20°	ATB 10°	1	293.024.12R
305	30	COMBI3	28	3.2	2.2	20°	ATB 10°	1	293.028.22M
315	30	COMBI3	28	3.2	2.2	20°	ATB 10°	1	293.028.12M
315	30	COMBI3	36	3.2	2.2	15°	ATB 5°	1	285.036.13M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



**WOOD**

## 290 INDUSTRIAL



### MACHINES

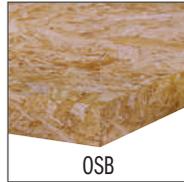


Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

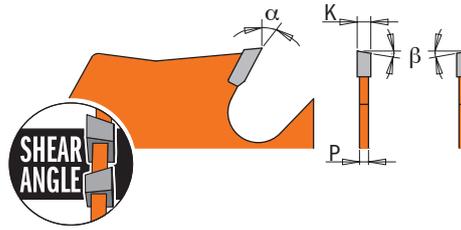
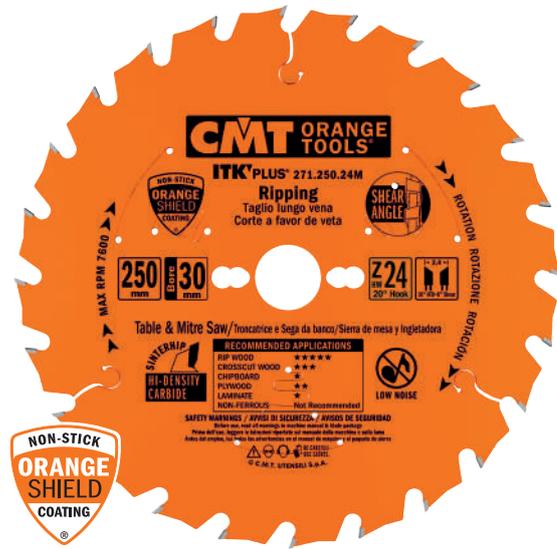
● Ideal for FESTOOL® & others

■ While supplies last

## 271 ITK<sup>+</sup>PLUS®



**WOOD**

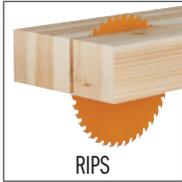


### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

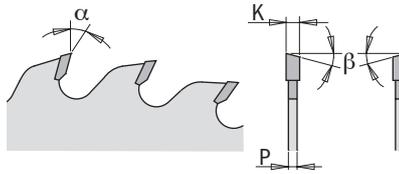
D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$	SHEAR ANGLE		ORDER NO.
250	30	COMBI3	24	2.4	1.6	20°	ATB 10°	8°	10	271.250.24M
300	30	COMBI3	24	2.6	1.8	22°	ATB 10°	8°	5	271.300.24M



## 285.6 ORANGE CHROME®



**WOOD**



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS

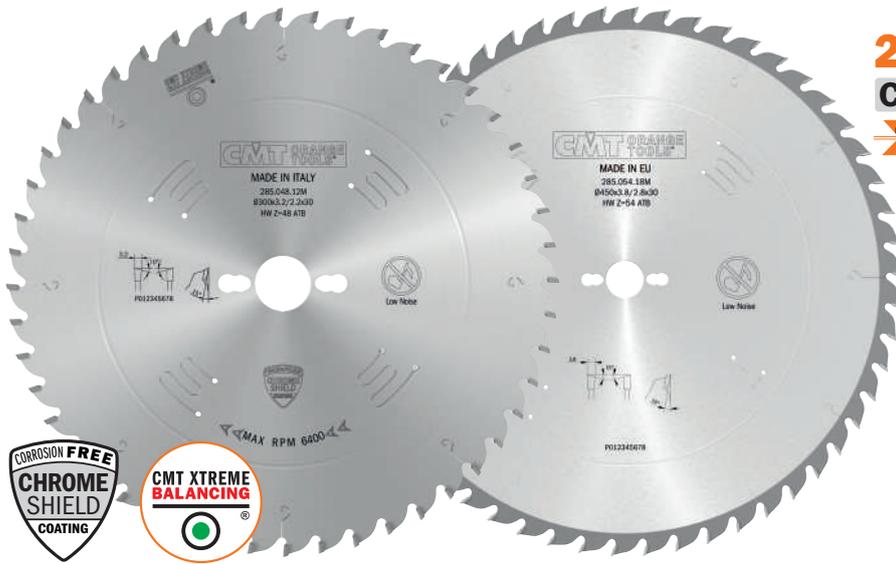


### MATERIALS



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

# Ripping & Crosscut [General Purpose]



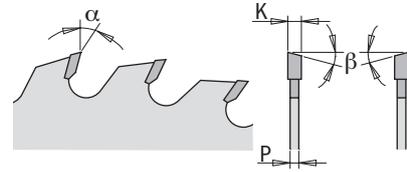
**285-294**

**CHROME SHIELD**

**XTREME**



**WOOD**



## MACHINES

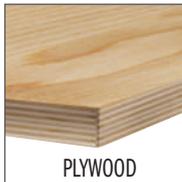


## APPLICATIONS



Blade diameter compatibility is contingent on machine type.

## MATERIALS



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

**CHROME SHIELD**

**XTREME**

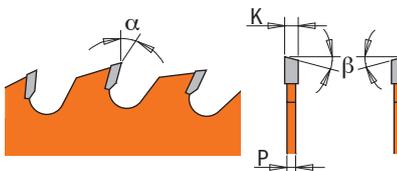
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO. ★★★★★	ORDER NO. ★★★★★☆
250	30	COMBI3	40	3.2	2.2	15°	ATB 10°	1	<b>285.040.10M</b>	
250	35	-	40	3.2	2.2	15°	ATB 10°	1		<b>285.040.10R</b>
250	30	COMBI3	48	3.2	2.2	15°	ATB 10°	1	<b>285.048.10M</b>	
254	30	COMBI3	48	2.4	1.8	-5°	ATB 15°	1	<b>294.048.10M</b>	
275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



## 285-291 INDUSTRIAL



**WOOD**



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

● Ideal for FESTOOL® & others

■ While supplies last

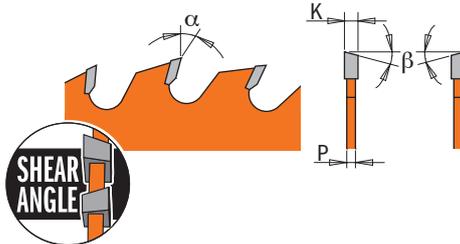
# Ripping & Crosscut [General Purpose] - THIN KERF



## 271 ITK PLUS®



WOOD

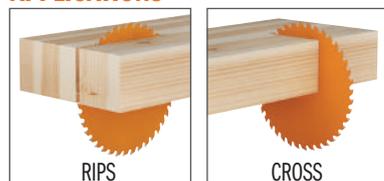


### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

● Ideal for FESTOOL® & others

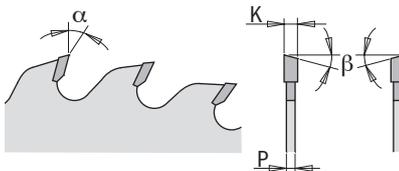
■ While supplies last



### 285 ORANGE CHROME®



**WOOD**



### MACHINES



Blade diameter compatibility is contingent on machine type.

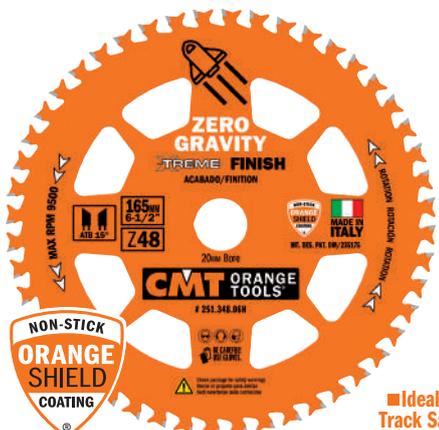
### APPLICATIONS MATERIALS



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

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

● Ideal for **FESTOOL®** & others



### 251 XTREME-FINISH

#### ZERO GRAVITY



**WOOD**

### MACHINES

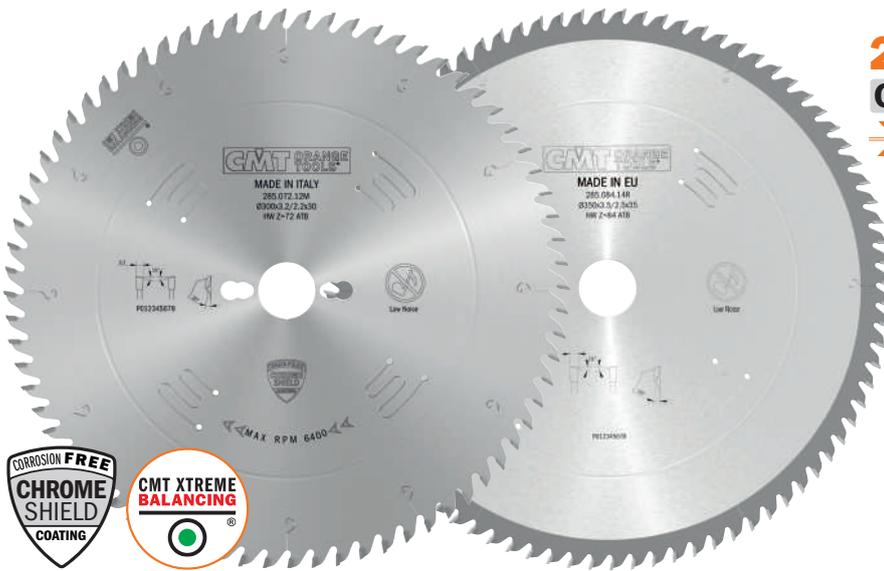


### MATERIALS



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

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



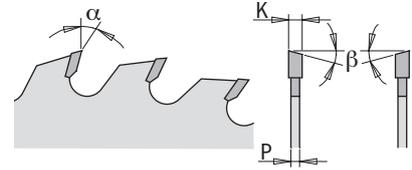
**285-294-295**

**CHROME SHIELD**

**X-TREME**



**WOOD**



## MACHINES



MITRE SAW



RADIAL ARM



STATIONARY TABLE



VERTICAL PANEL

Blade diameter compatibility is contingent on machine type.

## APPLICATIONS



CROSS

## MATERIALS



HARDWOOD



PLYWOOD



MELAMINE



LAMINATE



CHIPBOARD



MDF

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

**CHROME SHIELD**

**X-TREME**

D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β		CHROME SHIELD	X-TREME
									★★★★★	★★★★★
250	30	COMBI3	60	3.2	2.2	10°	ATB 15°	1	<b>285.060.10M</b>	<b>285.060.10R</b>
250	35	-	60	3.2	2.2	10°	ATB 15°	1		
254	30	COMBI3	60	2.4	1.8	-5°	ATB 15°	1	<b>294.060.10M</b>	
280*	30	COMBI3	64	2.8	1.8	10°	ATB 15°	1		<b>295.064.11M</b>
300	30	COMBI3	60	3.2	2.2	15°	ATB 10°	1	<b>285.060.12M</b>	
300	30	COMBI3	72	3.2	2.2	10°	ATB 15°	1	<b>285.072.12M</b>	
300	35	-	72	3.2	2.2	10°	ATB 15°	1		<b>285.072.12R</b>
305	30	COMBI3	72	3.2	2.2	10°	ATB 15°	1	<b>285.072.22M</b>	
305	30	COMBI3	72	3.2	2.2	-5°	ATB 15°	1	<b>294.072.22M</b>	
315	30	COMBI3	72	3.2	2.2	15°	ATB 10°	1	<b>285.072.13M</b>	
350	30	COMBI3	72	3.5	2.5	15°	ATB 10°	1	<b>285.072.14M</b>	
350	30	COMBI3	84	3.5	2.5	10°	ATB 15°	1	<b>285.084.14M</b>	
350	35	-	84	3.5	2.5	10°	ATB 15°	1		<b>285.084.14R</b>
400	30	COMBI3	96	3.5	2.5	10°	ATB 15°	1	<b>285.096.16M</b>	
450	30	COMBI3	66	3.8	2.8	10°	ATB 15°	1		<b>285.066.18M</b>
500	30	2/10/60	72	3.8	2.8	10°	ATB 15°	1		<b>285.072.20M</b>
550	30	COMBI3	96	4.2	3.2	10°	ATB 15°	1		<b>285.096.22M</b>

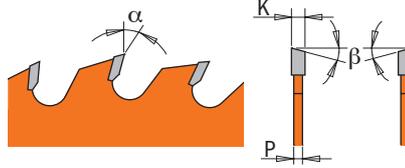
\*Non-Silent Blades



## 285-292-294 INDUSTRIAL



**WOOD**



### MACHINES

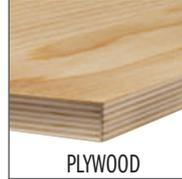
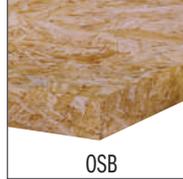


Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

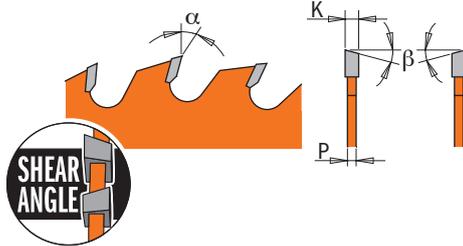
● Ideal for FESTOOL® & others

■ While supplies last

## 272 ITK<sup>PLUS</sup>



**WOOD**



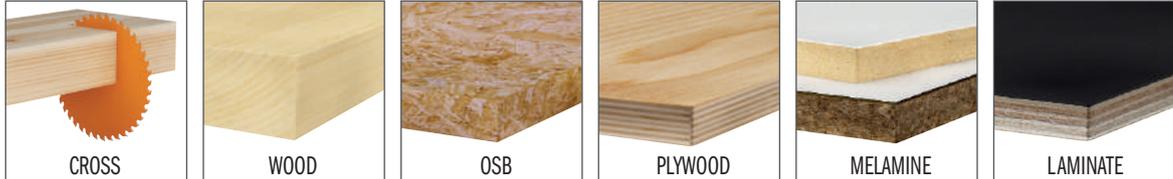
### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS

### MATERIALS



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

\*with Antikick-back

● Ideal for FESTOOL® & others

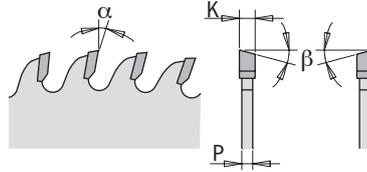
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## 285 ORANGE CHROME®



**WOOD**



### MACHINES

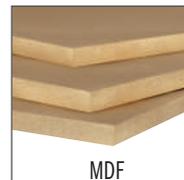


Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



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

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

● Ideal for FESTOOL® & others

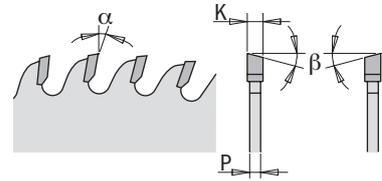
■ Thin Kerf = Battery Saver



**285**  
**CHROME SHIELD**  
**XTREME**



**WOOD**



**MACHINES**

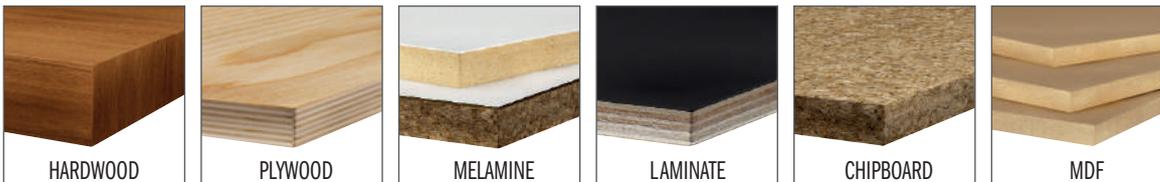


Blade diameter compatibility is contingent on machine type.

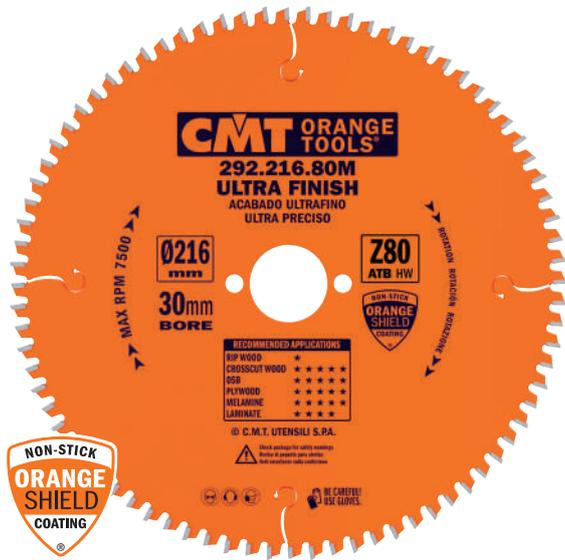
**APPLICATIONS**



**MATERIALS**



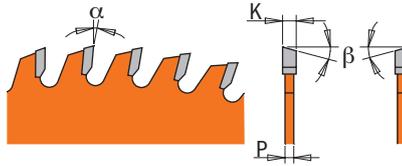
D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β		CHROME SHIELD	XTREME
									★★★★★	★★★★☆
250	30	COMBI3	80	3.2	2.2	5°	ATB 15°	1	<b>285.080.10M</b>	
250	35	-	80	3.2	2.2	5°	ATB 15°	1		<b>285.080.10R</b>
300	30	COMBI3	96	3.2	2.2	5°	ATB 15°	1	<b>285.096.12M</b>	
300	35	COMBI3	96	3.2	2.2	5°	ATB 15°	1		<b>285.096.12R</b>
350	30	COMBI3	108	3.5	2.5	5°	ATB 15°	1	<b>285.108.14M</b>	
350	35	-	108	3.5	2.5	5°	ATB 15°	1		<b>285.108.14R</b>
400	30	COMBI3	120	3.5	2.5	10°	ATB 15°	1	<b>285.120.16M</b>	



**285-292-294 INDUSTRIAL**



**WOOD**



**MACHINES**



Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**

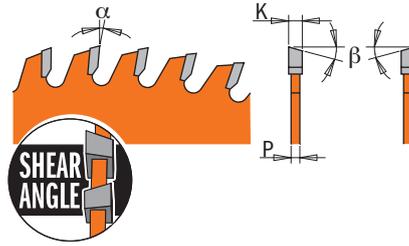


D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	56	2.2	1.6	15°	ATB 15°	10	292.160.56H ●
165	20	2/6/32	56	2.2	1.6	15°	ATB 15°	10	292.165.56H
190	30	2/7/42	64	2.6	1.6	15°	ATB 15°	10	292.190.64M
200	30	COMBI3	64	3.2	2.2	5°	ATB 15°	10	285.064.08M
210	30	2/7/42	64	2.8	1.8	15°	ATB 15°	10	292.210.64M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

● Ideal for **FESTOOL**® & others



## 273 ITK<sup>PLUS</sup>



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



### MATERIALS



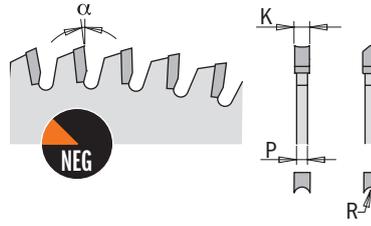
For specific details regarding suggested materials, please check blade label.

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

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



**287 XTREME**



PERFORMANCE

**WOOD**

**MACHINES**



Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



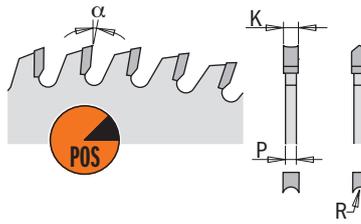
**MATERIALS**



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



**287 XTREME**



**WOOD**

**MACHINES**



Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**



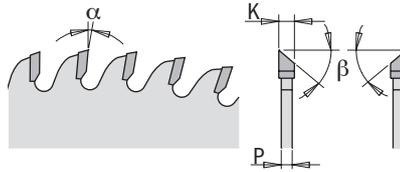
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
160	20	2/6/32	34	2.6	1.8	10°	HDF	1	287.034.06H
220	30	2/7/42	42	3.2	2.2	10°	HDF	1	287.042.09M
<b>new</b> 220	30	2/7/42	48	3.3	2.2	5°	HDF	1	287.048.09M
<b>new</b> 250	30	COMBI3	48	3.2	2.2	10°	HDF	1	287.048.10M
<b>new</b> 250	30	COMBI3	60	3.3	2.2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



## 283.6 ORANGE CHROME®



**WOOD**



### MACHINES



Blade diameter compatibility is contingent on machine type.

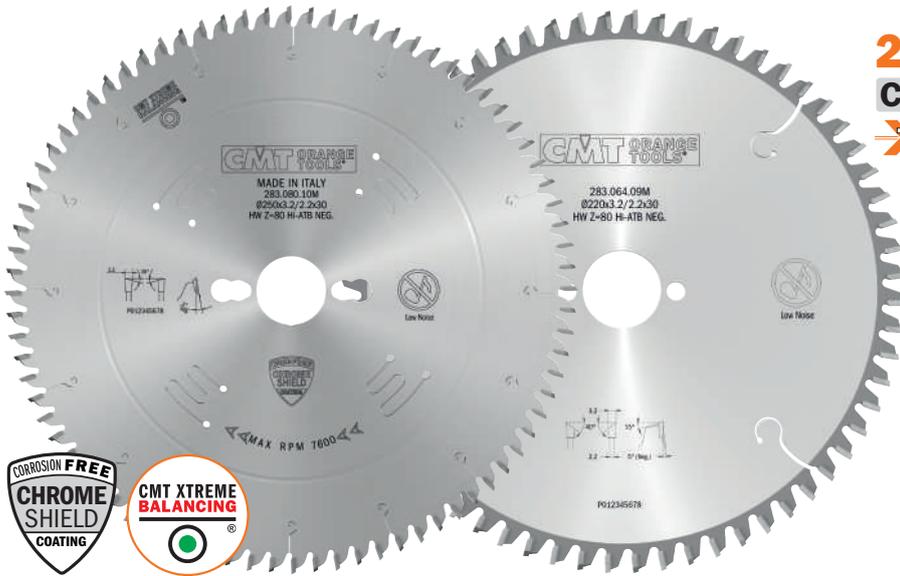
### APPLICATIONS



### MATERIALS



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



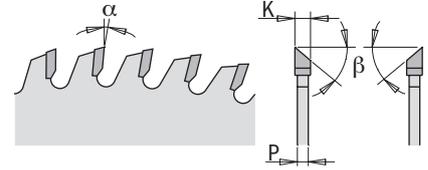
**283**

**CHROME SHIELD**

**XTREME**



**WOOD**



## MACHINES



Blade diameter compatibility is contingent on machine type.

## APPLICATIONS



## MATERIALS



D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β		CHROME SHIELD XTREME	
									ORDER NO. ★★★★★	ORDER NO. ★★★★☆
220*	30	2/7/42	64	3.2	2.2	-5°	Hi-ATB 40°	1		283.064.09M
250	30	COMB3	80	3.2	2.2	-2°	Hi-ATB 38°	1	283.080.10M	
300	30	COMB4	96	4.2	3.2	2°	Hi-ATB 38°	1	283.096.12M	
350	30	COMB3	108	3.5	2.5	5°	Hi-ATB 38°	1	283.108.14M	

\*Non-Silent Blades

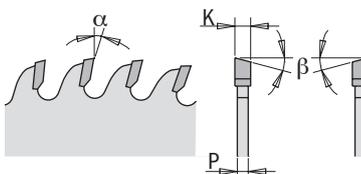
# Ultra Fine Finishing - FRAMES



**285.5 ORANGE CHROME®**



**WOOD**



## MACHINES

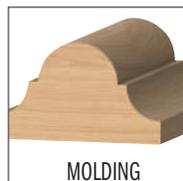


Blade diameter compatibility is contingent on machine type.

## APPLICATIONS



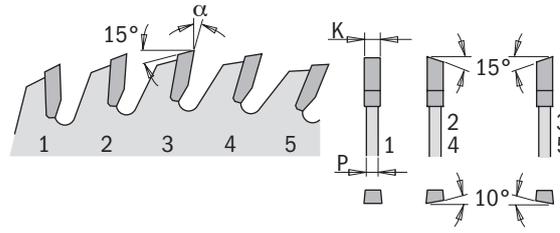
## MATERIALS



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



## 274 X-TREME



**WOOD**

### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



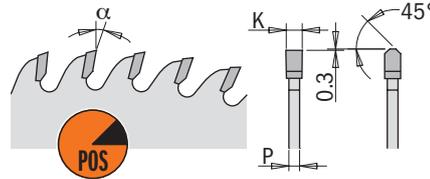
### MATERIALS



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



## 281 ORANGE CHROME®



### MACHINES



Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



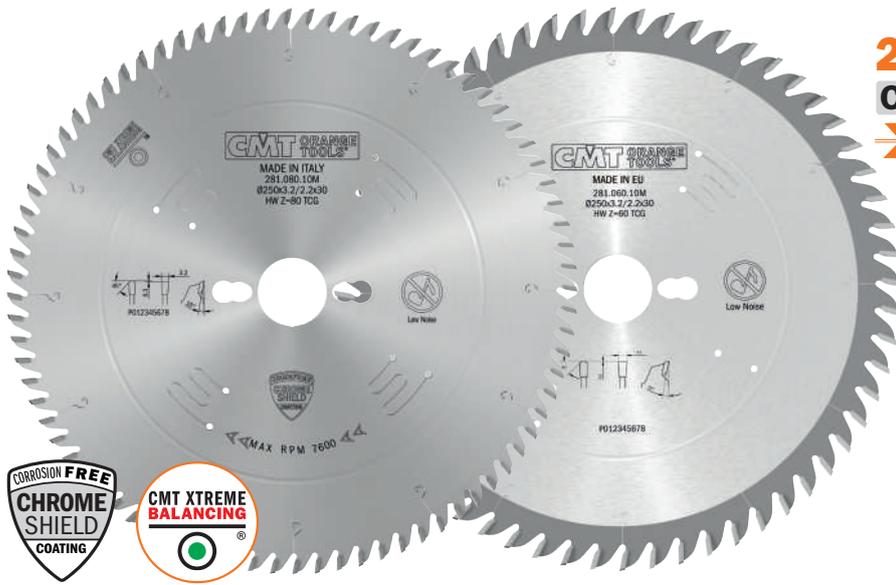
### MATERIALS



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

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

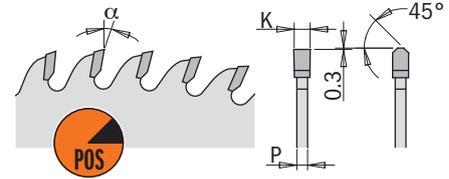
● Ideal for FESTOOL® & others



**281**  
**CHROME SHIELD**  
**XTREME**



**WOOD**



## MACHINES

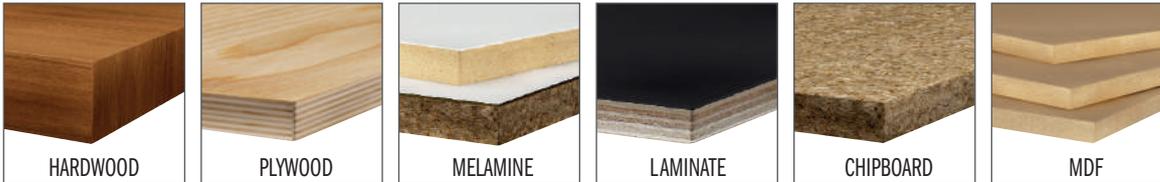


Blade diameter compatibility is contingent on machine type.

## APPLICATIONS



## MATERIALS



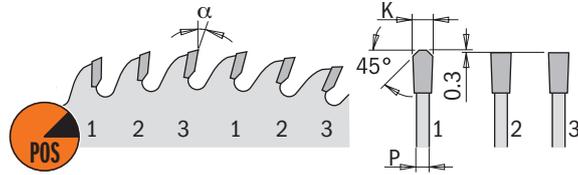
D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	APPLICATIONS		CHROME SHIELD XTREME	
										★★★★★	★★★★★☆
250	30	COMBI3	60	3.2	2.2	10°	TCG	Fine Finish	1		281.060.10M
250	30	COMBI3	80	3.2	2.2	10°	TCG	Ultra Finish	1	281.080.10M	
300	30	COMBI3	72	3.2	2.2	10°	TCG	Fine Finish	1	281.072.12M	
300	30	COMBI3	96	3.2	2.2	10°	TCG	Ultra Finish	1	281.096.12M	
350	30	COMBI3	84	3.5	2.5	10°	TCG	Fine Finish	1		281.084.14M
350	30	COMBI3	108	3.5	2.5	5°	TCG	Ultra Finish	1	281.108.14M	



**295 XTREME**



**WOOD**



**MACHINES**

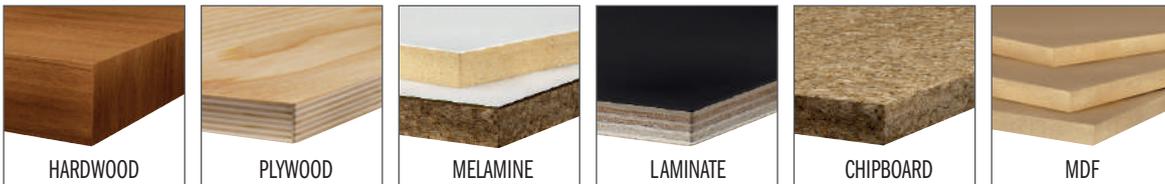


Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**

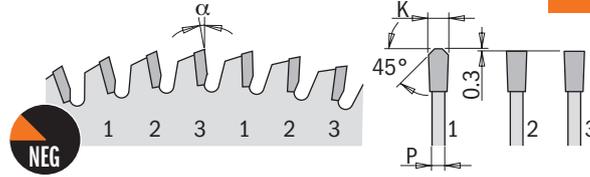


D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β		ORDER NO.
250	30	COMBI3	78	3.2	2.2	10°	FFT	1	295.078.10M
300	30	COMBI3	96	3.2	2.2	10°	FFT	1	295.096.12M
350	30	COMBI3	108	3.5	2.5	10°	FFT	1	295.108.14M

**281 X-TREME**



**WOOD**



**MACHINES**

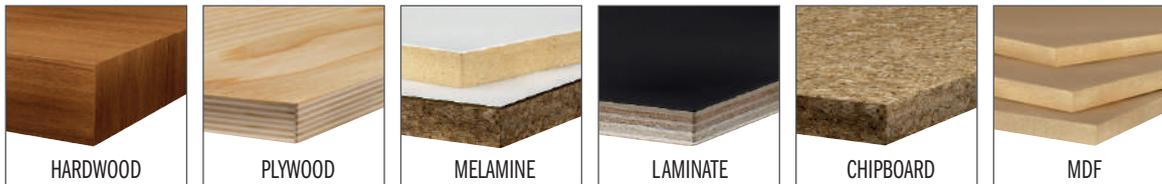


Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**



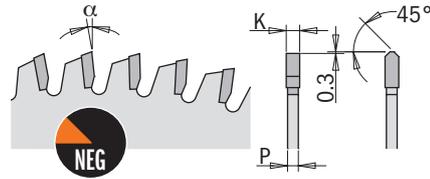
D mm	B mm	PIN HOLE 	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
220	30	COMBI3	63	3.2	2.2	-3°	FFT	1	281.063.09M
250	30	COMBI3	60	3.2	2.2	-3°	FFT	1	281.061.10M
300	30	COMBI3	72	3.2	2.2	-3°	FFT	1	281.073.12M



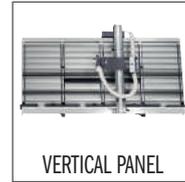
**281 ORANGE CHROME®**



**WOOD**



**MACHINES**

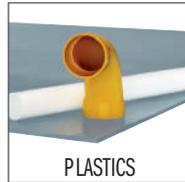


Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



**MATERIALS**



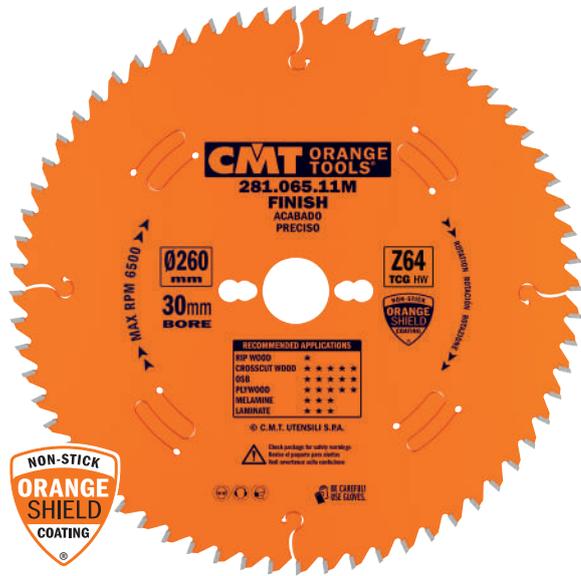
D mm	B mm	PIN HOLE ⊕ ⊖	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	52	1.8	1.2	-5°	TCG	1	281.761.52H ● ■
165	20	2/6/32	52	1.8	1.2	-5°	TCG	1	281.766.52H ■
168	20	2/6/32	52	1.8	1.2	-5°	TCG	1	281.768.52H ● ■
190	30	2/7/42	54	2.6	1.6	4°	TCG	1	281.790.54M
210	30	2/7/42	60	2.6	1.6	-3°	TCG	1	281.810.60M ●
216	30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

● Ideal for **FESTOOL®** & others  
 ■ Thin Kerf = Battery Saver

## 281 INDUSTRIAL



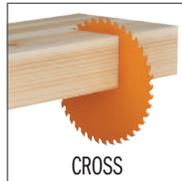
**WOOD**



### MACHINES

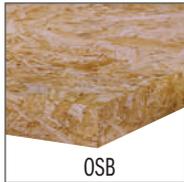


### APPLICATIONS

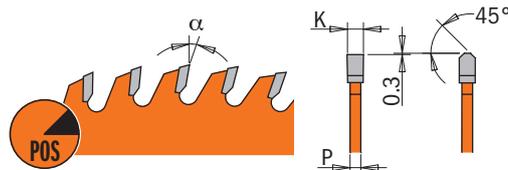


Blade diameter compatibility is contingent on machine type.

### MATERIALS



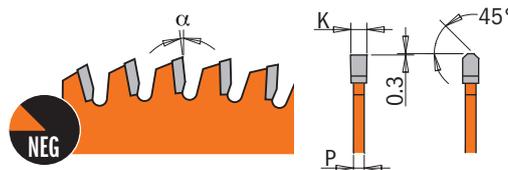
For specific details regarding suggested materials, please check blade label.



### POSITIVE

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

● Ideal for FESTOOL® & others



### NEGATIVE

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

● Ideal for FESTOOL® & others

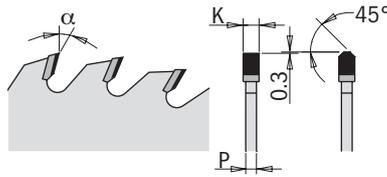


PERFORMANCE

WOOD



**237 XTREME**



**50X**  
LONGER LIFE  
THAN CARBIDE

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

**MACHINES**

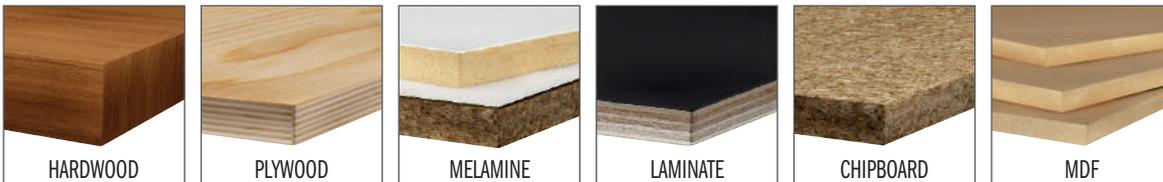


Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



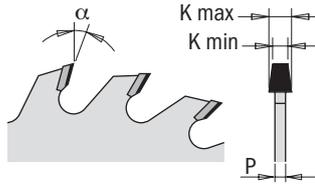
**MATERIALS**



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



**238 XTREME**



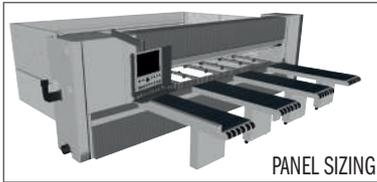
**50X**  
LONGER LIFE  
THAN CARBIDE

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

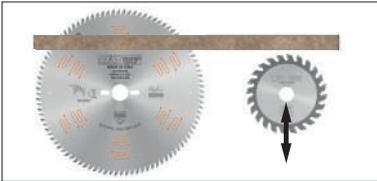


**WOOD**

**MACHINES**



**APPLICATIONS**



**MATERIALS**



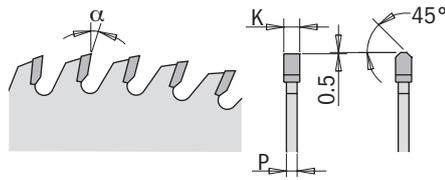
D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	COATING		ORDER NO.	
120	20	-	20	3.1-3.7	2.2	5°	CO + FLAT	NICKEL	1	238.120.20H	
125	20	-	20	3.1-3.7	2.2	5°	CO + FLAT	NICKEL	1	238.125.20H	
<b>new</b>	160	55	3/7/66	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.160.360
<b>new</b>	180	30	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.180.36M
<b>new</b>	180	45	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.180.36Q2
<b>new</b>	180	45	-	36	4.7-5.6	3.5	8°	CO + FLAT	-	1	238.180.36Q
<b>new</b>	200	20	2/11/66	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.200.36H
<b>new</b>	200	45	2/10/60	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.200.36Q2
<b>new</b>	200	45	-	36	4.7-5.6	3.5	8°	CO + FLAT	-	1	238.200.36Q
<b>new</b>	200	65	2/9/100 + 2/9/110	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.200.36J
<b>new</b>	200	80	2/14/110	36	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.200.36W
<b>new</b>	300	65	2/9/100 + 2/9/110 + 2/14/110	48	4.3-5.2	3.2	8°	CO + FLAT	-	1	238.300.48J



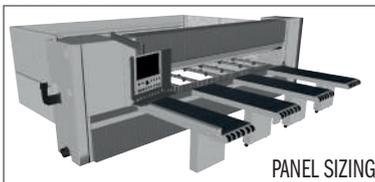
**WOOD**



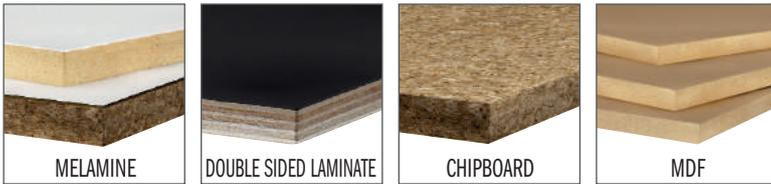
**281-282 XTREME**



## MACHINES



## MATERIALS

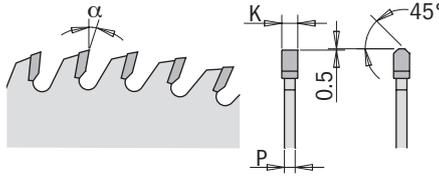


D mm	B mm	PIN HOLE ⊕⊗	Z	K mm	P mm	$\alpha$	$\beta$	LOW NOISE		ORDER NO.
300	75	-	60	4.4	3.2	16°	TCG		1	282.060.12X
320	65	2/9/100 + 2/9/110	60	4.4	3.2	16°	TCG		1	Y282.060.13J ■
350	30	COMBI3	54	4.4	3.2	16°	TCG		1	282.054.14M
350	30	COMBI3	108	3.5	2.5	10°	TCG		1	281.108.14M
350	50	3/12.5/80	72	4.4	3.2	16°	TCG		1	282.072.14T
350	75	4/15/105 + 3/7/100	54	4.4	3.2	16°	TCG		1	282.054.14X
350	80	COMBI5	54	4.4	3.2	16°	TCG		1	282.054.14W
355	30	COMBI3	72	4.4	3.2	16°	TCG		1	S282.03556
355	80	4/9/100 + 2/9/110 + 2/14/110	72	4.4	3.2	10°	TCG		1	282.072.14W2
380	60	2/14/100	72	4.4	3.2	15°	TCG		1	282.072.15U2 ■
380	60	COMBI7	72	4.8	3.5	16°	TCG		1	282.072.15U ■
380	80	COMBI5	72	4.4	3.2	16°	TCG		1	282.072.15W ■
400	30	2/10/60	60	4.4	3.2	16°	TCG		1	282.060.16M
400	60	COMBI7	72	4.4	3.2	16°	TCG		1	282.072.16U
400	75	4/15/105	60	4.4	3.2	16°	TCG		1	282.060.16X
400	80	COMBI5	72	4.4	3.2	16°	TCG		1	282.072.16W ■
420	80	4/9/100 + 2/9/110 + 2/14/110	72	4.4	3.2	15°	TCG		1	282.072.17W
430	75	4 / 15/105	72	4.4	3.2	16°	TCG		1	282.072.17X
430	80	COMBI5	72	4.4	3.2	16°	TCG		1	282.072.17W2
450	30	COMBI3 + 2/14/95	72	4.4	3.2	16°	TCG		1	Y282.072.18M2
450	60	COMBI7	72	4.8	3.5	16°	TCG		1	282.072.18U ■
450	80	COMBI5	72	4.8	3.5	16°	TCG		1	282.072.18W2
500	60	COMBI7	72	4.8	3.5	16°	TCG		1	282.072.20U

■ While supplies last



**282 XTREME**



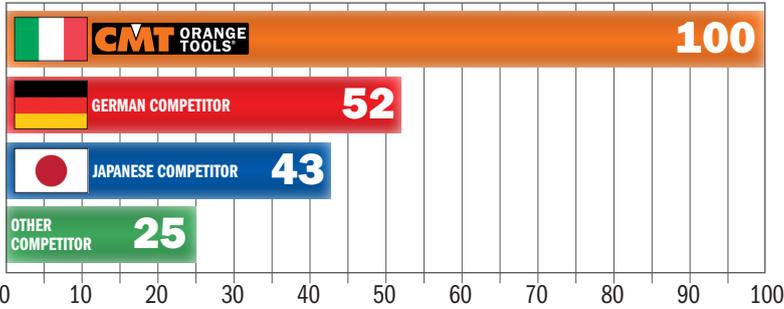
**WOOD**



**NANO GRAIN CARBIDE**

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

**% METERS CUT ON CHIPBOARD PANELS**

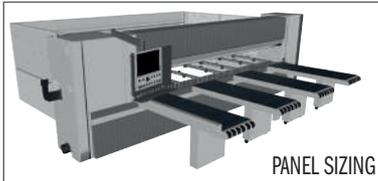


**UP TO 4X THAN COMPETITORS**

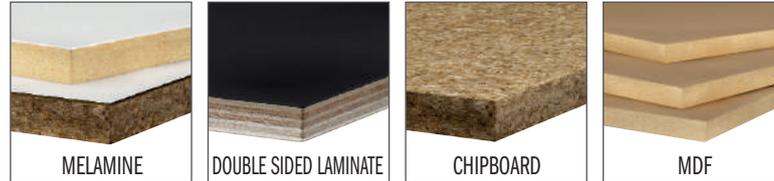


How to re-sharpen a CMT DPX blade

**MACHINES**



**MATERIALS**



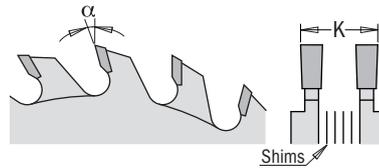
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.	
300	30	COMBI3	60	4.4	3.2	15°	TCG	1	282.300.60M	
300	80	COMBI5	60	4.4	3.2	15°	TCG	1	282.300.60W	
320	65	2/9/100 + 2/14/110	60	4.4	3.2	15°	TCG	1	282.320.60J	
320	65	2/9/95 + 2/9/100 + 2/14/110	72	4.4	3.2	15°	TCG	1	282.320.72J	
350	30	COMBI3	72	4.4	3.2	15°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



**WOOD**



**289** XTREME

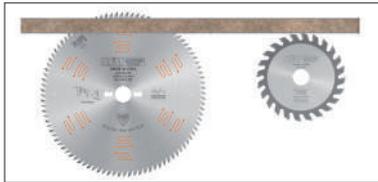


**TIPS:** suggested for machines without vertical regulation of scoring blade.

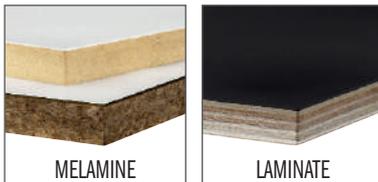
## MACHINES



## APPLICATIONS



## MATERIALS



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

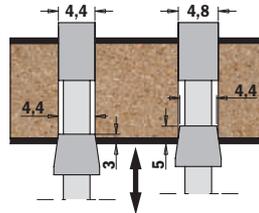
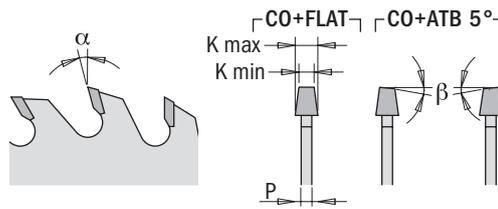
● Ideal for **ALTENDORF® Rapido System**



## 288 XTREME



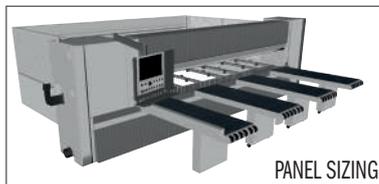
**WOOD**



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

Suggested for use with thick kerf or panel sizing blade.

### MACHINES



### APPLICATIONS



### MATERIALS



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

■ While supplies last



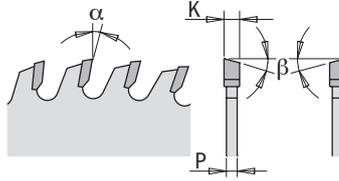
**K CONTRACTOR**



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



**WOOD**

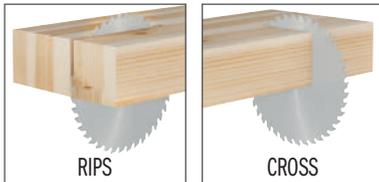


**MACHINES**



Blade diameter compatibility is contingent on machine type.

**APPLICATIONS**



For specific details regarding applications, please check blade label.

**MATERIALS**



CLAMSHELL



BULK PACK 10 PCS.

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



**K CONTRACTOR**



**WOOD**

CLAMSHELL COMBO PACK

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

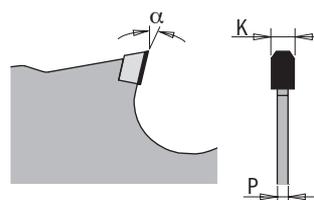
**DP - Ultra-Hard Materials - LONG LIFE**



**K CONTRACTOR**



**MULTI-MATERIALS**



**MACHINES**



**MATERIALS**



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

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

## LOCKED Dado Pro - Z12



### 230.312

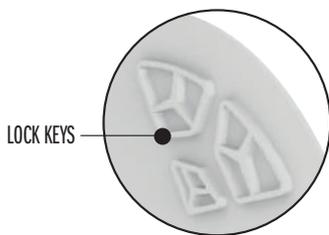
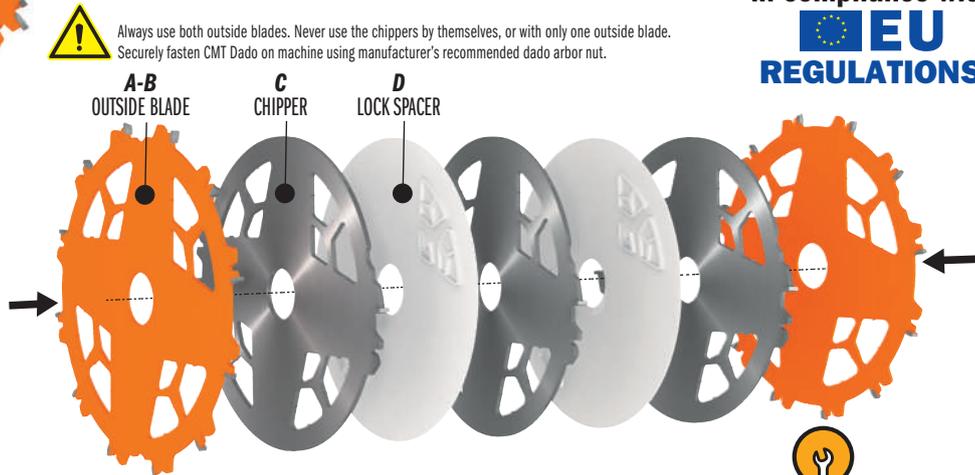
INTERNATIONAL PATENT PENDING

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

#### FEATURES:

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

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



#### MATERIALS



#### MACHINES



**PERFORMANCE**
  
**WOOD**
  
**1ST LEVER**
  
 UNI EN 847 COMPLIANT

**First ever DADO**  
**in compliance with**  
  
**EU REGULATIONS**

#### PTIA 2024

AWARD WINNER  
 2024 PRO TOOL INNOVATION AWARDS  
 TABLE SAW BLADE WINNER  
 "RECOGNITION FOR EXCELLENT VALUE,  
 ADVANCED FEATURES AND INNOVATION"  
[www.protoinnovationawards.com](http://www.protoinnovationawards.com)

Sturdy reusable carrying case



**INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER**



Download instructions sheets from our website

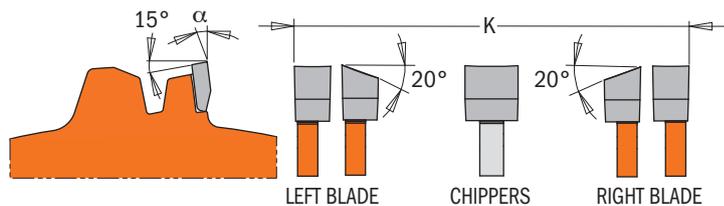
**SET INCLUDES:**

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

**SPARE PART SET**

**Cuts all sizes from 6mm up to 20mm**

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



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

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

# LOCKED Precision Dado - Z24 - LONG LIFE



## 230.324 INTERNATIONAL PATENT PENDING

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

### FEATURES:

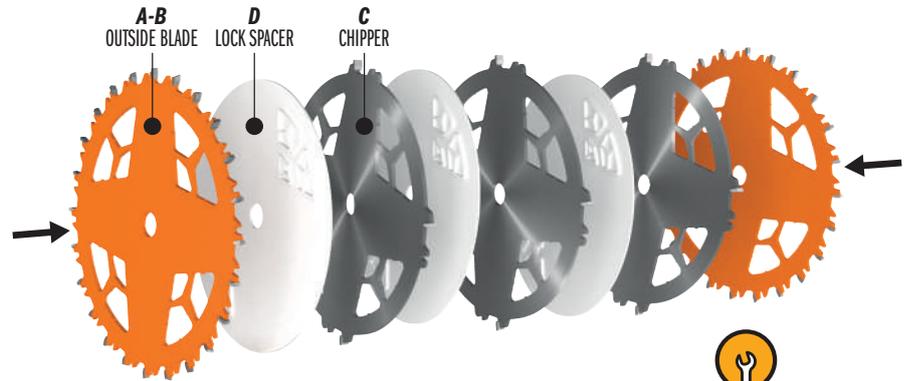
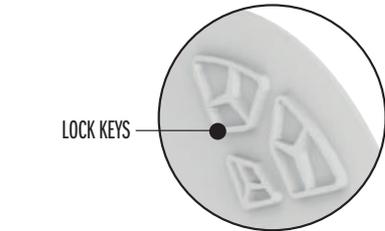
- Ultra Finish flat bottom grooves & chip free dados in solid wood, veneered plywoods, laminates and melamines.
- Includes shims (plastics & magnetic) and plastics "lock spacers" set for micro-thin adjustability.
- Compatible with most radial arm saws and stationary table saws, including SAWSTOP®.
-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



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



## WOOD



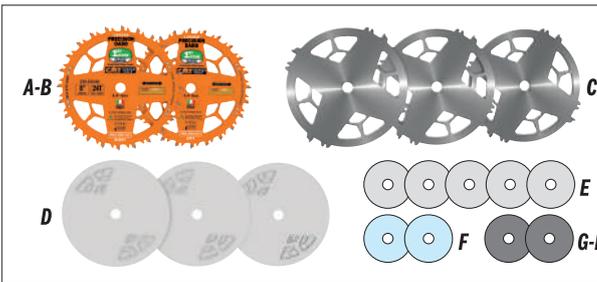
### MATERIALS



### MACHINES



Sturdy reusable carrying case



### SET INCLUDES:

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

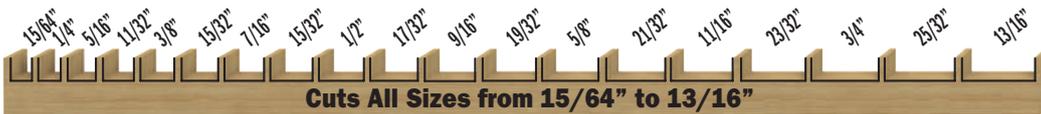
SPARE PART SET: 299.000.09



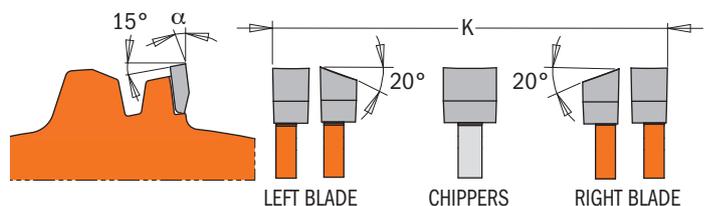
INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER



Download instructions sheets from our website



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



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



**WOOD**

**NOT FOR EU**



## 230.5

CMT designed a new Dado Precision Set with the following features:

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



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

### MATERIALS



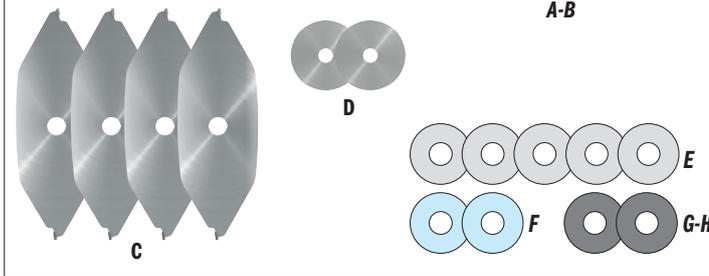
### MACHINES



### 230.524.08 SET INCLUDES:

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

SPARE PART SET:  
299.000.09

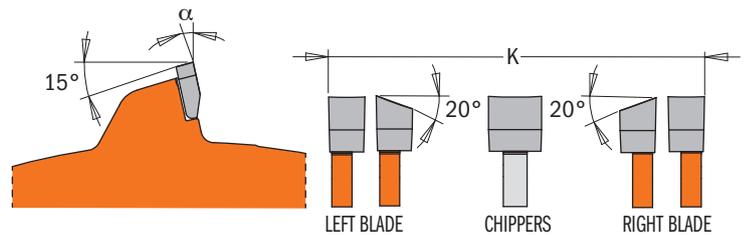


Download instructions sheets from our website

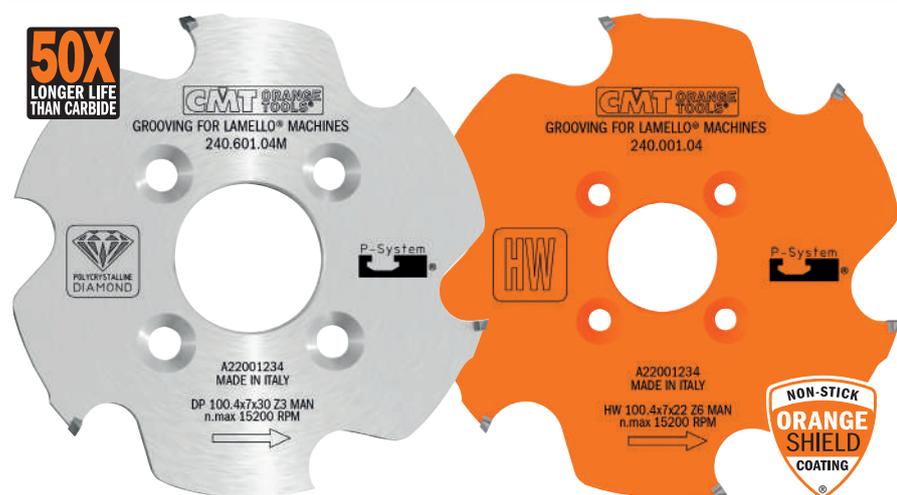
Nominal Widths	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"	
Left Blade	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Right Blade	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Chipper 1/8"	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3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



Sturdy reusable carrying case



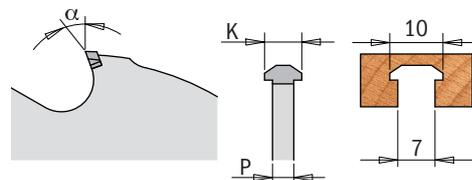
D mm	B mm	Z	α	β	Box	ORDER NO.
152	15.88	20	-12°	FLAT+ATB	3	230.520.06
203	15.88	24	-12°	FLAT+ATB	3	230.524.08



240



WOOD



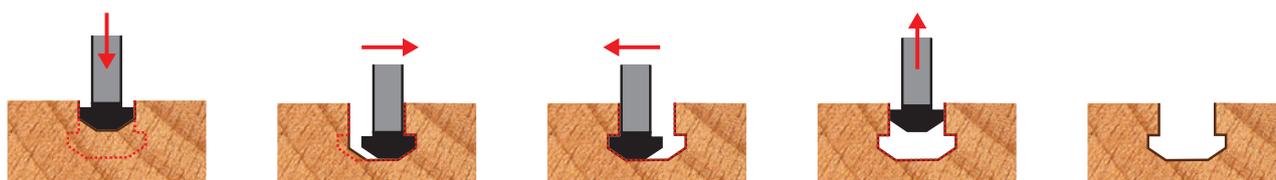
## MACHINES



## APPLICATIONS



## MATERIALS



## 240 XTREME



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

## 240 INDUSTRIAL



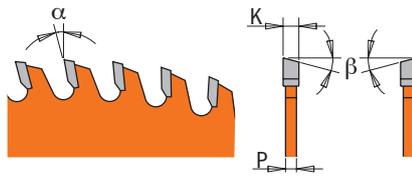
D mm	B mm	TEETH MATERIAL	MACHINES	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$	COATING TYPE	Box	ORDER NO.
100.4	22	HW	LAMELLO® ZETA P®	4/4.5 - 9.5/36	6	7.0	4.0	20°	TCG	ORANGE SHIELD®	10	240.001.04



PERFORMANCE

WOOD

**240 INDUSTRIAL**



**MACHINES**



TOUPIE



CHUCK CNC

Blade diameter compatibility is contingent on machine type.

SUITABLE FOR THESE CNC CHUCKS:



183.410.30



183.420.30



**APPLICATIONS**



GROOVING

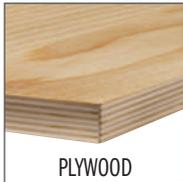


CROSS

**MATERIALS**



WOOD



PLYWOOD



MELAMINE

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

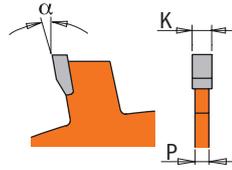
new



## 240 INDUSTRIAL



**WOOD**



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

### MACHINES



TOUPIE



CHUCK CNC

Blade diameter compatibility is contingent on machine type.

### APPLICATIONS



GROOVING



GROOVING/STACKING

### MATERIALS



WOOD



PLYWOOD



MELAMINE



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

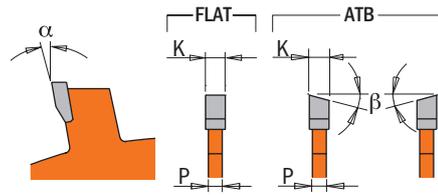
new

# Biscuit Joiner



**WOOD**

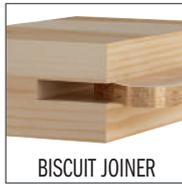
## 240-241 INDUSTRIAL



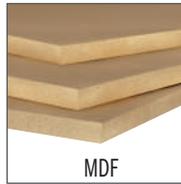
### MACHINES



### APPLICATIONS



### MATERIALS



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

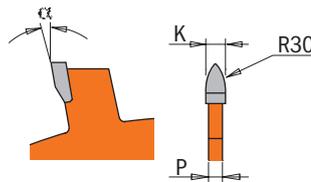
● Ideal for VIRUTEX®

# Biscuit Joiner

## 240.004.04



**WOOD**



### MACHINES



### APPLICATIONS



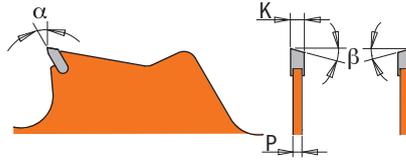
### MATERIALS



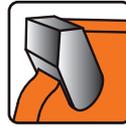
D mm	B mm	MACHINES	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
100	22	LAMELLO®	4/4.5 - 9.5/36	4	8.0	6.0	18°	R30	10	240.004.04



**298**



**MULTI-MATERIALS**



**SECURED TOOTH**

**SECURED TOOTH – MORE RESISTANT TO ACCIDENTAL CONTACT**

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

**HEAVY DUTY PLATE – THIN, LIGHT AND STRONG**

Cut from the finest steel. Remarkably thin kerf and specifically designed perforations considerably reduce blade weight thereby reducing tool workload.

**SAFETY WARNING**

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



**MACHINES**



BRUSH CUTTER

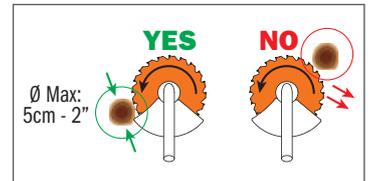
**MATERIALS**



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



GRASS



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

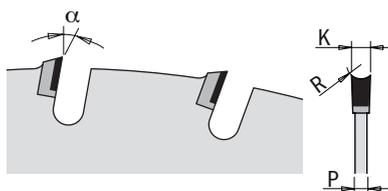


**MULTI-MATERIALS**



**LEUCO**  
Patent Pending

**235 XTREME ALL-AROUND**



**50X**  
LONGER LIFE  
THAN CARBIDE

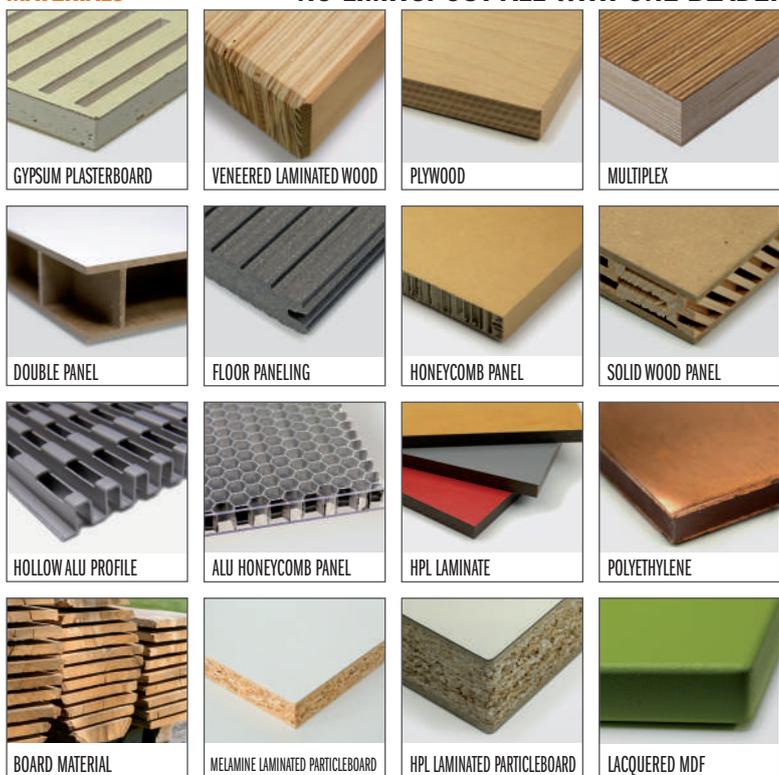
**MACHINES**



Blade diameter compatibility is contingent on machine type.

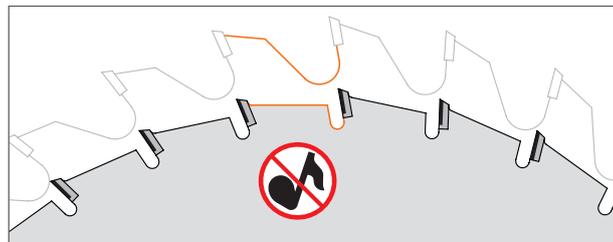
**MATERIALS**

**NO LIMITS: CUT ALL WITH ONE BLADE!**



**XTREME-NOISELESS**

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



**XTREME-ALL-AROUND**

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

**XTREME-QUALITY**

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

**XTREME-FAST**

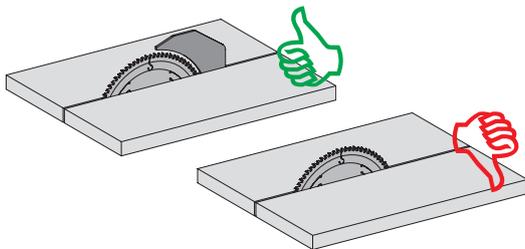
The teeth are surprisingly thin! The cutting width is a mere 2.5mm and they generate noticeably lower cutting pressure and therefore also require less power during usage. Resharpenable max 2 times.

**XTREME-LIFETIME**

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

**RECOMMENDED USE**

We recommend the use of a splitting wedge between **2.0 and 2.4mm** in thickness.



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



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

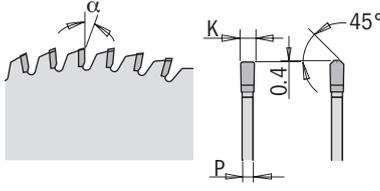
D mm	B mm	PIN HOLE	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	20	2.2	1.6	10°	HR	1	235.160.20H
190	30	2/7/42	24	2.5	2.0	10°	HR	1	235.190.24M
216	30	2/7/42	30	2.5	2.0	10°	HR	1	235.216.30M
250	30	COMBI3	36	2.5	2.0	10°	HR	1	235.250.36M
300	30	COMBI3	44	2.5	2.0	10°	HR	1	235.300.44M



**223 CHROME SHIELD**



**MULTI-MATERIALS**



**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**



D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
160	20	2/6/32	48	2.2	1.6	0°	MTCG	1	<b>223.048.06H</b> ●
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>

● Ideal for **FESTOOL**® & others

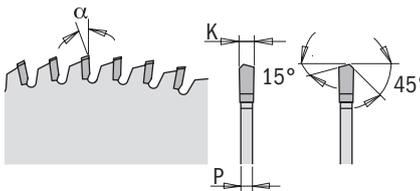
Plastics



**222 XTREME**



**MULTI-MATERIALS**

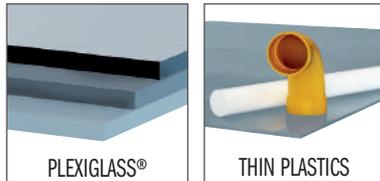


**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**



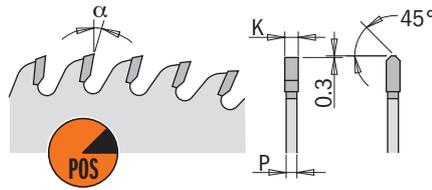
D mm	B mm	PIN HOLE	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
250	30	COMBI3	80	2.8	2.2	-3°	MATB	1	<b>222.080.10M</b>
300	30	COMBI3	96	2.8	2.2	-3°	MATB	1	<b>222.096.12M</b>

## Non-Ferrous & Plastics



**NON-FERROUS**

### 284 XTREME



### MACHINES

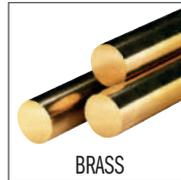
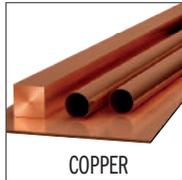
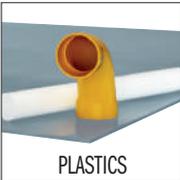


\*WITH MEC/MAN WORKPIECE CLAMPING



Blade diameter compatibility is contingent on machine type.

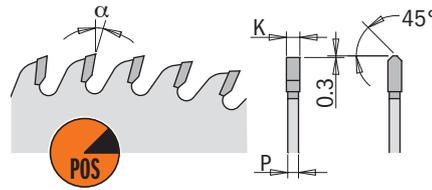
### MATERIALS



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

D mm	B mm	PIN HOLE ⊕⊗	Z	K mm	P mm	$\alpha$	$\beta$		ORDER NO.
250	32	2/12/64	80	3.2	2.5	6°	TCG	1	284.080.10P
300	32	2/12/64	96	3.2	2.5	6°	TCG	1	284.096.12P
350	32	2/12/64	84	3.6	3.0	6°	TCG	1	284.092.14P
350	32	2/12/64	108	3.6	3.0	6°	TCG	1	284.108.14P
400	32	2/12/64	96	4.0	3.2	6°	TCG	1	284.096.16P
420	32	2/12/64	96	3.8	3.2	6°	TCG	1	284.096.17P
450	30	2/10/60	108	4.2	3.5	6°	TCG	1	284.108.18M
450	32	2/12/64	108	4.2	3.5	6°	TCG	1	284.108.18P
500	30	2/10/60	120	4.3	3.5	10°	TCG	1	284.120.20M
500	32	2/12/64	120	4.3	3.5	10°	TCG	1	284.120.20P
NEW	550	30	2/11/63 - 2/11/70	132	4.3	10°	TCG	1	284.132.22M
NEW	550	32	2/11/63 - 2/11/70	132	4.3	10°	TCG	1	284.132.22P

## 284 INDUSTRIAL



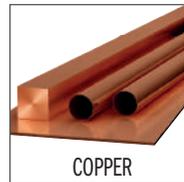
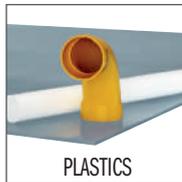
★★★★☆  
PERFORMANCE  
NON-FERROUS

### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



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

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

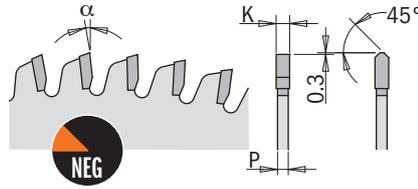
● Ideal for **FESTOOL**® & others



**296-297**  
**ORANGE CHROME®**



**NON-FERROUS**

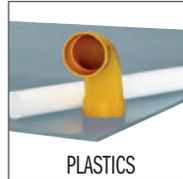
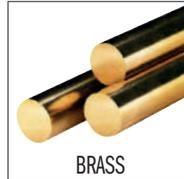
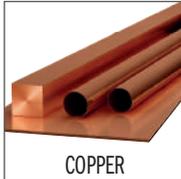


**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**

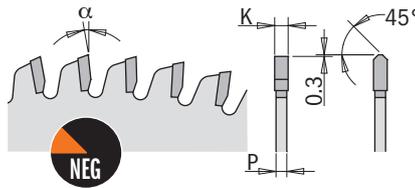


D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β		ORDER NO.
160	20	2/6/32	52	2.2	1.8	-5°	TCG	1	296.760.52H ●
160	20	2/6/32	52	1.8	1.2	-5°	TCG	1	296.761.52H ●
168	20	2/6/32	52	1.8	1.2	-5°	TCG	1	296.768.52H ●
216	30	2/7/42	64	2.3	1.6	0°	TCG	1	297.816.64M ●

● Ideal for **FESTOOL®** & others



## 297 XTREME



PERFORMANCE

NON-FERROUS



### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



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

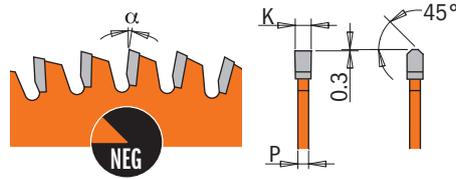
new



## 296-297 INDUSTRIAL



**NON-FERROUS**

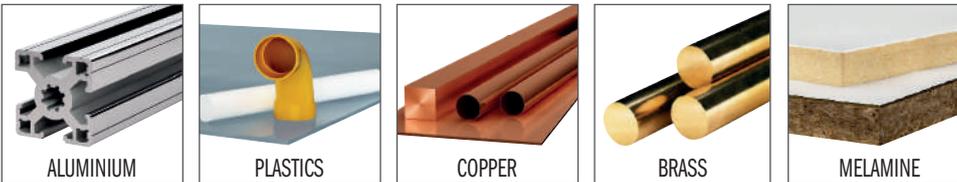


### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



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

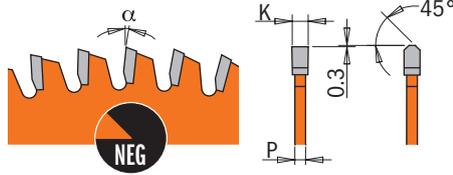
● Ideal for FESTOOL® & others



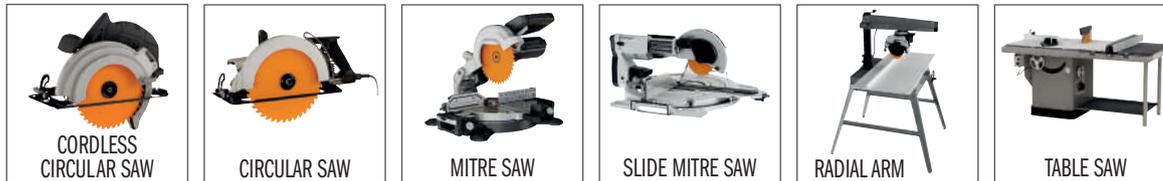
## 276 ITK'PLUS®



**NON-FERROUS**



### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



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

● Ideal for **FESTOOL®** & others

## Metal & Steel

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

MATERIALS	SUGGESTED SPEED (BW - C/HZ)
	V (m/min.) MIN. ~ MAX
STEEL (<500 N/mm <sup>2</sup> ):	30 ~ 60
STEEL (<800 N/mm <sup>2</sup> ):	25 ~ 40
STEEL (<1200 N/mm <sup>2</sup> ):	15 ~ 30
STAINLESS STEEL:	15 ~ 30
CAST IRON:	25 ~ 50
ALUMINIUM/ALLOY AL.:	500 ~ 700
TITANIUM:	15 ~ 20
BRONZE:	200 ~ 300
COPPER:	200 ~ 400
BRASS:	400 ~ 600

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



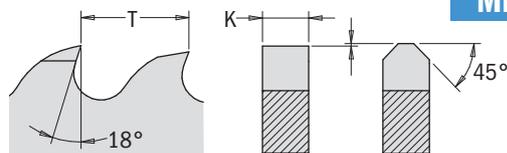
## Metal & Steel



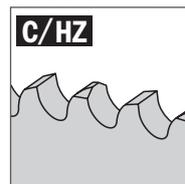
### 227 HSS LINE



### METAL & STEEL



#### SHARPENING



#### APPLICATIONS



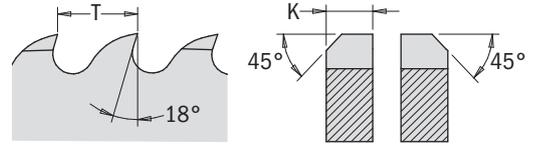
D mm	B mm	PIN HOLE 	Z	K mm	PITCH T	β	COATING 	ORDER NO.
250	32	2/8/45+2/9/50+2/11/63	128	2.0	T6	C/HZ	VAPO	227.250.128P
275	32	2/8/45+2/9/50+2/11/63	140	2.5	T6	C/HZ	VAPO	227.275.140P
300	32	2/8/45+2/9/50+2/11/63	160	2.5	T6	C/HZ	VAPO	227.300.160P
315	32	2/8/45+2/9/50+2/11/63	160	2.5	T6	C/HZ	VAPO	227.315.160P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



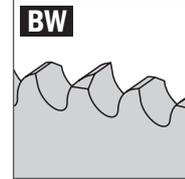
**227 HSS LINE**



**METAL & STEEL**



**SHARPENING**



**APPLICATIONS**



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

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



**227 HSS LINE**



**METAL & STEEL**



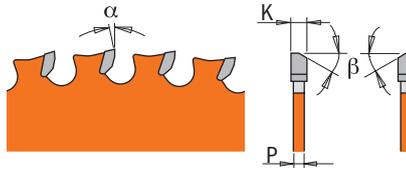
D mm	B mm	PIN HOLE	Z	K mm	$\beta$	COATING	VAPO HEAT TREATMENT	ORDER NO.
200	32	2/8/45+2/9/50+2/11/63	0	1.8	NOT SHARPENED	VAPO		227.200P
225	32	2/8/45+2/9/50+2/11/63	0	1.9	NOT SHARPENED	VAPO		227.225P
250	32	2/8/45+2/9/50+2/11/63	0	2.0	NOT SHARPENED	VAPO		227.250P
275	32	2/8/45+2/9/50+2/11/63	0	2.5	NOT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



**226 INDUSTRIAL**



**METAL & STEEL**

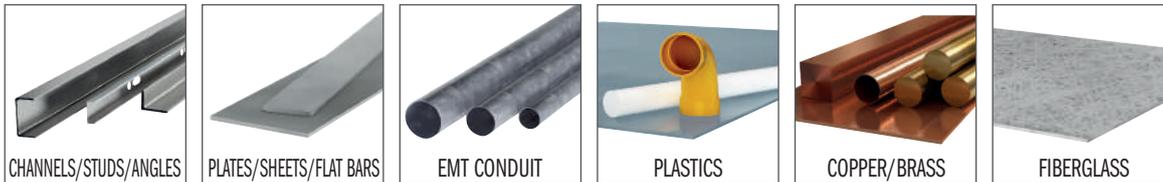


**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**

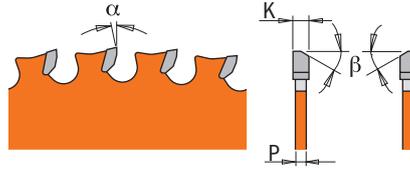
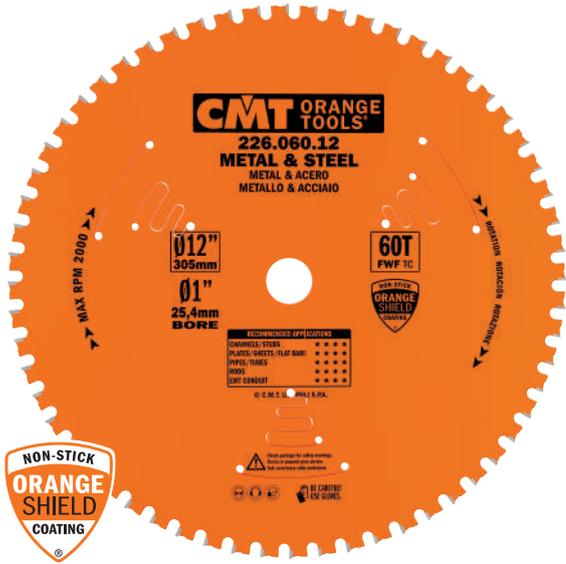


D mm	B mm	PIN HOLE 	Z	K mm	P mm	α	β	MAX RPM		ORDER NO.
136*	20 (+10)	-	56	1.5	1.2	0°	FWF 8°	6000	10	226.136.56H
150	20	-	60	1.6	1.2	0°	FWF 8°	6000	10	226.150.60H
160	20 (+16)	2/6/32	60	2.0	1.6	0°	FWF 8°	6000	10	226.160.60H ●
165	20 (+15.88)	2/6/32	60	1.6	1.2	0°	FWF 8°	6000	10	226.165.60H
184	30 (+16+20)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

● Ideal for **FESTOOL**® & others

\*Non-Silent Blades

**226 INDUSTRIAL**



**METAL & STEEL**

**MACHINES**



Blade diameter compatibility is contingent on machine type.

**MATERIALS**



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

● Ideal for **FESTOOL**® & others

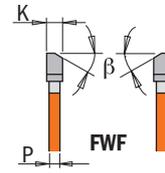
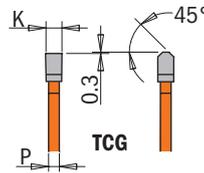
\*Non-Silent Blades



## 226 INDUSTRIAL



**METAL & STEEL**



### MACHINES



Blade diameter compatibility is contingent on machine type.

### MATERIALS



Suggested for Stainless steel of common use, such as 302, 303 and 304.  
With higher degrees of hardness, performance is not guaranteed (e.g. 316)

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

● Ideal for FESTOOL® & others



## 299.11

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



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

# Saw Blades Stabilizers



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

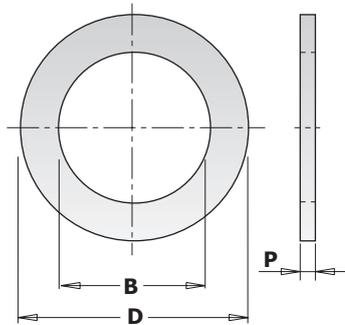


DESCRIPTION	D mm	B mm	P mm		ORDER NO.
Stabilizer (2 pcs.) for Ø200mm	75	30	3.0	5	299.101.00M
Stabilizer (2 pcs.) for Ø250mm	125	30	3.0	5	299.102.00M
Stabilizer (2 pcs.) for Ø300mm	152	30	3.0	5	299.103.00M

**NOTE:** for use on stationary saws only.

# Reduction Rings for Saw Blades

## 299



D mm	B mm	P mm		ORDER NO.	D mm	B mm	P mm		ORDER NO.
15.88	10	1.2	10	299.218.00	30	15	1.4	10	299.240.00
15.88	12.7	1.2	10	299.217.00	30	15.88	1.4	10	299.211.00
20	10	1.2	10	299.244.00	30	15.88	2.0	10	299.303.00
20	12.7	1.2	10	299.221.00	30	16	1.2	10	299.451.00
20	12.7	1.6	10	299.401.00	30	16	1.4	10	299.223.00
20	13	1.6	10	299.402.00	30	16	2.0	10	299.226.00
20	15	1.6	10	299.403.00	30	18	1.4	10	299.232.00
20	15.88	1.2	10	299.245.00	30	19.05	1.4	10	299.241.00
20	15.88	1.4	10	299.243.00	30	19.05	2.0	10	299.305.00
20	16	1.0	10	299.351.00	30	20	1.2	10	299.452.00
20	16	1.2	10	299.222.00	30	20	1.4	10	299.224.00
20	16	1.6	10	299.404.00	30	20	2.0	10	299.227.00
20	18	1.4	10	299.236.00	30	22	1.4	10	299.231.00
22.23	15	1.4	10	299.237.00	30	25	1.4	10	299.225.00
22.23	16	1.4	10	299.242.00	30	25	2.0	10	299.228.00
22.23	20	1.4	10	299.238.00	30	25.4	1.6	10	299.405.00
25	16	2.0	10	299.301.00	30	25.4	2.0	10	299.212.00
25	20	2.0	10	299.302.00	32	20	2.0	10	299.309.00
25.4	15.88	1.4	10	299.216.00	32	30	2.0	10	299.229.00
25.4	19.05	1.4	10	299.213.00	35	20	2.0	10	299.311.00
25.4	20	1.4	10	299.214.00	35	25	2.0	10	299.312.00
25.4	20	2.3	10	299.220.00	35	25.4	2.0	10	299.313.00
25.4	22	1.4	10	299.215.00	35	30	2.0	10	299.230.00
25.4	22.23	1.4	10	299.239.00	35	32	2.0	10	299.233.00
25.4	22.23	2.3	10	299.219.00	40	30	2.0	10	299.316.00

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
50	10	20	1.1	0.8	15°	ATB 10° + Shear 8°	WOOD	★★★★	273.050.20D	33
70	20	8+8	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.070.16H	50
80	10	36	1.6	1.0	15°	ATB 10° + Shear 8°	WOOD	★★★★	273.080.36D	33
80	20	10+10	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.080.20H	50
80	20	12	3.1-3.6	2.2	10°	CO + FLAT	WOOD	★★★★★	S288.080.12H	51
85	15	6	1.8	1.4	12°	TCG	MULTI-MATERIALS	★★★★	236.085.06G	11
86	15	24	1.5	1.0	12°	ATB 5°	WOOD	★★	K02403	52
100	20	10+10	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.100.20H	50
100	22	10+10	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.100.20K	50
100	20	20	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.100.20H	51
100	22	20	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.100.20K	51
100	22	6	3.96	3.0	18°	ATB 10°	WOOD	★★★★	240.006.04	60
100	22	8	3.96	3.0	15°	ATB 10°	WOOD	★★★★	240.008.04	60
100	22	8	3.96	3.1 - 3.8	15°	FLAT	WOOD	★★★★	241.008.04	60
100	22	4	8.0	6.0	18°	-	WOOD	★★★★★	240.004.04	60
100.4	22	3	7.0	4.0	20°	TCG	WOOD	★★★★★	240.601.04	57
100.4	30	3	7.0	4.0	20°	TCG	WOOD	★★★★★	240.601.04M	57
100.4	22	6	7.0	4.0	20°	TCG	WOOD	★★★★	240.001.04	57
115	22.23 (+9.53+15.88)	-	-	-	-	-	MULTI-MATERIALS	-	286.115.01	10
115	22.23 (+9.53+15.88)	-	-	-	-	-	MULTI-MATERIALS	-	286.115.61	10
115	9.5	24	1.5	1.0	20°	ATB 10° + Shear 8°	WOOD	★★★★	272.115.24	29
120	20	18	1.8	1.2	15°	ATB 15°	WOOD	★★★★	291.120.18H	24
120	20	40	1.8	1.2	10°	ATB 15°	WOOD	★★★★	292.120.40H	28
120	20	20	3.1-3.7	2.2	5°	CO + FLAT	WOOD	★★★★★	238.120.20H	47
120	20	12+12	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.120.24H	50
120	22	12+12	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.120.24K	50
120	50	12+12	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.120.24T	50
120	20	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.120.24H	51
120	20	24	2.8-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.121.24H	51
120	20	24	3.4-4.2	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.120.24H1	51
120	22	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.120.24K	51
120	20	24	4.0	3.0	10°	ATB 10°	WOOD	★★★★	240.120.040H	58
120	20	36	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	296.120.36H	68
125	22.23 (+20+15.88)	-	-	-	-	-	MULTI-MATERIALS	-	286.125.01	10
125	22.23 (+20+15.88)	-	-	-	-	-	MULTI-MATERIALS	-	286.125.61	10
125	22.23	7	2.0	1.4	5°	TCG	MULTI-MATERIALS	★★★★	236.125.07	11
125	20	20	2.4	1.4	15°	ATB 15°	WOOD	★★★★	291.125.20H	24
125	20	36	2.4	1.4	15°	ATB 15°	WOOD	★★★★	292.125.36H	28
125	20	20	3.1-3.7	2.2	5°	CO + FLAT	WOOD	★★★★★	238.125.20H	47
125	20	12+12	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.125.24H	50
125	22	12+12	2.8-3.6	-	12°	FLAT	WOOD	★★★★★	289.125.24K	50
125	20	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.125.24H	51
125	20	24	3.4-4.2	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.125.24H1	51
125	20	24	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.125.24H2	51
125	22	24	3.1-4.0	2.5	5°	CO + ATB 5°	WOOD	★★★★★	288.125.24K	51
125	45	24	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.125.24Q	51
130	20	20	2.4	1.4	15°	ATB 15°	WOOD	★★★★	291.130.20H	24
130	20	36	2.4	1.4	15°	ATB 15°	WOOD	★★★★	292.130.36H	28
136	20 (+10)	18	1.5	1.0	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.136.18H	25
136	20 (+10)	36	1.5	1.0	18°	ATB 10° + Shear 8°	WOOD	★★★★	272.136.36H	29
136	20	18	1.5	1.0	15°	ATB 15°	WOOD	★★	K13618H-X10	52
136	20 (+10)	56	1.5	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.136.56H	72
136	20 (+10+12.7)	30	1.5	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.030.05H	73
140	20	20	2.4	1.4	15°	ATB 15°	WOOD	★★★★	291.140.20H	24
140	20	24	1.8	1.2	15°	ATB 15° + Shear 8°	WOOD	★★★★	271.140.24H	25
140	20	36	2.4	1.4	15°	ATB 15°	WOOD	★★★★	292.140.36H	28

D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
140	20	42	1.8	1.2	5°	ATB 15° + Shear 8°	WOOD	★★★★	272.140.42H	29
140	20	48	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.140.48H	69
150	20	12	2.4	1.4	20°	ATB 10°	WOOD	★★★★	290.150.12H	20
150	20 (+16)	24	2.4	1.4	15°	ATB 15°	WOOD	★★★★	291.150.24H	24
150	20 (+16)	24	1.5	1.0	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.150.24H	25
150	20	40	2.4	1.4	15°	ATB 15°	WOOD	★★★★	292.150.40H	28
150	30	48	3.2	2.2	5°	ATB 15°	WOOD	★★★★	285.048.06M	28
150	20 (+16)	40	1.5	1.0	16°	ATB 10° + Shear 8°	WOOD	★★★★	272.150.40H	29
150	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.150.36Q	51
150	30	36	3.0	2.2	5°	ATB 5°	WOOD	★★★★	240.150.030M	58
150	30	36	4.0	3.0	5°	ATB 5°	WOOD	★★★★	240.150.040M	58
150	30	36	5.0	3.0	5°	ATB 5°	WOOD	★★★★	240.150.050M	58
150	30	36	6.0	3.0	5°	ATB 5°	WOOD	★★★★	240.150.060M	58
150	30	12	2.0	1.4	15°	FLAT	WOOD	★★★★	240.020.06M	59
150	35	12	2.0	1.4	15°	FLAT	WOOD	★★★★	240.020.06R	59
150	30	12	3.0	2.0	15°	FLAT	WOOD	★★★★	240.030.06M	59
150	35	12	3.0	2.0	15°	FLAT	WOOD	★★★★	240.030.06R	59
150	30	12	4.0	3.0	15°	FLAT	WOOD	★★★★	240.040.06M	59
150	35	12	4.0	3.0	15°	FLAT	WOOD	★★★★	240.040.06R	59
150	30	12	5.0	3.0	15°	FLAT	WOOD	★★★★	240.050.06M	59
150	35	12	5.0	3.0	15°	FLAT	WOOD	★★★★	240.050.06R	59
150	30	12	6.0	3.0	15°	FLAT	WOOD	★★★★	240.060.06M	59
150	35	12	6.0	3.0	15°	FLAT	WOOD	★★★★	240.060.06R	59
150	20	60	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.150.60H	72
150	20	32	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.032.06H	73
152	15.88	20	-	-	-12°	FLAT+ATB	WOOD	★★★★★	230.520.06	56
160	20	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.160.04H	11
160	20	10	2.4	1.8	5°	TCG	MULTI-MATERIALS	★★★★	236.160.10H	11
160	20	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	★★★★★	286.760.24H	12
160	16	12	2.2	1.6	20°	ATB 10°	WOOD	★★★★	290.160.12E	20
160	20 (+16)	12	2.2	1.6	20°	ATB 10°	WOOD	★★★★	290.160.12H	20
160	20	24	2.2	1.6	15°	ATB 15°	WOOD	★★★★	291.160.24H	24
160	20	28	2.2	1.6	15°	ATB 10°	WOOD	★★★★	285.160.28H	24
160	30 (+16)	24	2.2	1.6	15°	ATB 15°	WOOD	★★★★	291.160.24M	24
160	20 (+16)	24	1.8	1.2	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.160.24H	25
160	20	40	2.2	1.6	10°	ATB 15°	WOOD	★★★★	292.160.40H	28
160	30	40	2.2	1.6	10°	ATB 15°	WOOD	★★★★	292.160.40M	28
160	20	48	2.2	1.6	5°	ATB 15°	WOOD	★★★★	285.160.48H	28
160	20 (+16)	40	1.8	1.2	16°	ATB 10° + Shear 8°	WOOD	★★★★	272.160.40H	29
160	20	48	2.2	1.6	5°	ATB 12°	WOOD	★★★★★	285.760.48H	30
160	20	48	1.8	1.2	5°	ATB 12°	WOOD	★★★★★	285.761.48H	30
160	20	56	2.2	1.6	15°	ATB 15°	WOOD	★★★★	292.160.56H	32
160	20 (+16)	56	1.8	1.2	12°	ATB 10° + Shear 8°	WOOD	★★★★	273.160.56H	33
160	20	34	2.6	1.8	10°	HDF	WOOD	★★★★	287.034.06H	35
160	20	48	2.2	1.6	4°	TCG	WOOD	★★★★★	281.760.48H	40
160	20	52	1.8	1.2	-5°	TCG	WOOD	★★★★★	281.761.52H	44
160	20 (Virutex®)	40	2.2	1.6	10°	TCG	WOOD	★★★★	281.160.40H	45
160	20	48	2.2	1.6	5°	TCG	WOOD	★★★★	281.160.48H	45
160	20	56	2.2	1.6	-3°	TCG	WOOD	★★★★	281.161.56H	45
160	55	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.160.360	47
160	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.160.36Q	51
160	55	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.160.360	51
160	20	24	2.2	1.4	15°	ATB 15°	WOOD	★★	K16024H	52
160	20	24	2.2	1.4	15°	ATB 15°	WOOD	★★	K16024H-X10	52
160	20	40	2.2	1.4	15°	ATB 15°	WOOD	★★	K16040H	52
160	20	40	2.2	1.4	15°	ATB 15°	WOOD	★★	K16040H-X10	52

# Saw Blade Index

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
160	20	10	2.4	1.8	5°	TCG	WOOD	★★	K160-10HD	53
160	20	20	2.2	1.6	10°	HR	WOOD	★★★★★	235.160.20H	62
160	20	48	2.2	1.6	0°	MTCG	MULTI-MATERIALS	★★★★★	223.048.06H	63
160	20	24	2.2	1.6	5°	TCG	NON-FERROUS	★★★★	284.160.24H	65
160	20	52	2.2	1.8	-5°	TCG	NON-FERROUS	★★★★★	296.760.52H	66
160	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	★★★★★	296.761.52H	66
160	20	40	2.2	1.6	-6°	TCG	NON-FERROUS	★★★★	296.160.40H	68
160	20	56	2.2	1.6	-6°	TCG	NON-FERROUS	★★★★	296.160.56H	68
160	20 (+16)	48	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.160.48H	69
160	20 (+16)	60	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.160.60H	72
160	20	30	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.030.06H	73
160	20	40	1.8	1.4	0°	TCG	METAL & STEEL	★★★★	226.540.06H	74
165	20 (+15.88)	4	1.8	1.4	12°	TCG	MULTI-MATERIALS	★★★★★	236.165.04H	11
165	20 (+15.88)	10	1.8	1.4	5°	TCG	MULTI-MATERIALS	★★★★★	236.165.10H	11
165	20	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	★★★★★	286.765.24H	12
165	20	24	2.2	1.6	15°	ATB 15°	WOOD	★★★★	291.165.24H	24
165	30	24	2.6	1.6	15°	ATB 15°	WOOD	★★★★	291.165.24M	24
165	20 (+15.88)	24	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.165.24H	25
165	30	24	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.165.24M	25
165	20 (+5/8")	48	1.8	1.2	10°	ATB 15°	WOOD	★★★★★	251.348.06H	26
165	20	40	2.2	1.6	10°	ATB 15°	WOOD	★★★★	292.165.40H	28
165	30	40	2.6	1.6	10°	ATB 15°	WOOD	★★★★	292.165.40M	28
165	20 (+15.88)	36	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	★★★★	272.165.36H	29
165	20	56	2.2	1.6	15°	ATB 15°	WOOD	★★★★	292.165.56H	32
165	20 (+15.88)	56	1.6	1.0	12°	ATB 15° + Shear 8°	WOOD	★★★★	273.165.56H	33
165	20	52	1.8	1.2	-5°	TCG	WOOD	★★★★★	281.766.52H	44
165	20	56	2.2	1.6	-3°	TCG	WOOD	★★★★	281.166.56H	45
165	20	24	1.7	1.1	15°	ATB 15°	WOOD	★★	K16524H	52
165	20	24	1.7	1.1	15°	ATB 15°	WOOD	★★	K16524H-X10	52
165	20	40	1.7	1.1	15°	ATB 15°	WOOD	★★	K16540H-X10	52
165	20	40	2.2	1.6	-6°	TCG	NON-FERROUS	★★★★	296.165.40H	68
165	20	56	2.2	1.6	-6°	TCG	NON-FERROUS	★★★★	296.165.56H	68
165	20 (+15.88)	56	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.165.56H	69
165	20 (+15.88)	60	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.165.60H	72
165	15.88	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.036.06	73
165	20	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.036.06H	73
165	30	36	1.6	1.2	0°	FWF 8°	METAL & STEEL	★★★★	226.036.06M	73
168	20	10	1.8	1.2	5°	TCG	MULTI-MATERIALS	★★★★	236.168.10H	11
168	20	28	1.8	1.2	15°	ATB 15° + Shear 8°	WOOD	★★★★	271.168.28H	25
168	20	42	1.8	1.2	10°	ATB 15° + Shear 8°	WOOD	★★★★	272.168.42H	29
168	20	48	1.8	1.2	5°	ATB 12°	WOOD	★★★★★	285.768.48H	30
168	20	52	1.8	1.2	-5°	TCG	WOOD	★★★★★	281.768.52H	44
168	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	★★★★★	296.768.52H	66
168	20	52	1.8	1.2	-5°	TCG	NON-FERROUS	★★★★	276.168.52H	69
170	30	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.170.24M	24
170	30	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.170.40M	28
180	20	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.180.04H	11
180	40	21+3	2.5	1.8	18°	FLAT	WOOD	★★★★	280.021.07S	14
180	30	12	2.6	1.6	20°	ATB 10°	WOOD	★★★★	290.180.12M	20
180	20	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.180.24H	24
180	30	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.180.24M	24
180	20	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.180.40H	28
180	30	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.180.40M	28
180	30	56	3.2	2.2	5°	ATB 15°	WOOD	★★★★	285.056.07M	28
180	30	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.180.36M	47
180	45	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.180.36Q2	47

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
180	45	36	4.7-5.6	3.5	8°	CO + FLAT	WOOD	★★★★★	238.180.36Q	47
180	30	36	4.5-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.180.36M	51
180	45	36	4.3-5.5	3.2	8°	CO + ATB 5°	WOOD	★★★★★	288.180.36Q2	51
180	45	36	4.7-6.0	3.5	10°	CO + FLAT	WOOD	★★★★★	288.180.36Q	51
180	50	44	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.180.44T	51
180	55	36	5.0-6.2	3.5	10°	CO + FLAT	WOOD	★★★★★	288.180.360	51
180	30	18	3.0	2.0	15°	FLAT	WOOD	★★★★	240.030.07M	59
180	35	18	3.0	2.0	15°	FLAT	WOOD	★★★★	240.030.07R	59
180	30	18	4.0	3.0	15°	FLAT	WOOD	★★★★	240.040.07M	59
180	35	18	4.0	3.0	15°	FLAT	WOOD	★★★★	240.040.07R	59
180	30	18	5.0	3.0	15°	FLAT	WOOD	★★★★	240.050.07M	59
180	35	18	5.0	3.0	15°	FLAT	WOOD	★★★★	240.050.07R	59
180	30	18	6.0	3.0	15°	FLAT	WOOD	★★★★	240.060.07M	59
180	35	18	6.0	3.0	15°	FLAT	WOOD	★★★★	240.060.07R	59
180	30	18	6.35	3.0	15°	FLAT	WOOD	★★★★	240.064.07M	59
180	20	40	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.180.40H	68
184	16	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.184.24E	24
184	30	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.184.24M	24
184	20 (+16+15.88)	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.184.24H	25
184	30	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.184.24M	25
184	16	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.184.40E	28
184	30	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.184.40M	28
184	20	40	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	★★★★	272.184.40H	29
184	30	40	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	★★★★	272.184.40M	29
184	20 (+16)	24	1.7	1.1	15°	ATB 15°	WOOD	★★	K18424H-X10	52
184	20 (+16+15.88)	48	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.184.48H	69
184	30 (+16+20)	64	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.184.64M	72
184	15.88	48	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.048.07	73
184	15.88	48	2.0	1.6	0°	TCG	METAL & STEEL	★★★★	226.548.07	74
190	30	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.190.04M	11
190	30	12	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.190.12M	11
190	30	24	2.3	1.2	5°	ATB 5°	WOOD & NAILS	★★★★★	286.790.24M	12
190	30 (+16+20)	12	2.6	1.6	20°	ATB 10°	WOOD	★★★★	290.190.12M	20
190	16	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.190.24E	24
190	20	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.190.24H	24
190	30	24	2.6	1.6	20°	ATB 10°	WOOD	★★★★	291.190.24M	24
190	20 (FESTOOL® FF)	32	2.6	1.8	10°	ATB 10°	WOOD	★★★★	291.190.32FF	24
190	30 (+20+16)	24	1.7	1.1	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.190.24M	25
190	20 (+16)	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.190.40H	28
190	30	40	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.190.40M	28
190	20 (FESTOOL® FF)	48	2.4	1.8	10°	ATB 15°	WOOD	★★★★	292.190.48FF	28
190	30 (+20+16)	42	1.7	1.1	18°	ATB 10° + Shear 8°	WOOD	★★★★	272.190.42M	29
190	20 (FESTOOL® FF)	48	2.4	1.8	8°	ATB 15°	WOOD	★★★★★	285.790.48FF	30
190	30	64	2.6	1.6	15°	ATB 15°	WOOD	★★★★	292.190.64M	32
190	20 (+15.88)	64	1.7	1.1	15°	ATB 10° + Shear 8°	WOOD	★★★★	273.190.64M	33
190	20 (FESTOOL® FF)	54	2.6	1.8	4°	TCG	WOOD	★★★★★	281.790.54FF	40
190	30	54	2.6	1.6	4°	TCG	WOOD	★★★★★	281.790.54M	44
190	30	24	2.2	1.4	20°	ATB 10°	WOOD	★★	K19024M	52
190	30	24	2.2	1.4	20°	ATB 10°	WOOD	★★	K19024M-X10	52
190	30	24	2.5	2	10°	HR	WOOD	★★★★★	235.190.24M	62
190	30	30	2.6	2.2	5°	TCG	NON-FERROUS	★★★★	284.190.30M	65
190	30	40	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.190.40M	68
190	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.190.64M	68
190	20 (FESTOOL® FF)	64	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.190.64FF	68
190	30 (+20+16)	64	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.190.64M	69
190	30 (+20)	64	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.190.64M	72

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
190	30	40	2.0	1.6	0°	FWF 8°	METAL & STEEL	★★★★	226.040.07M	73
190	30	48	1.8	1.4	0°	TCG	METAL & STEEL	★★★★	226.548.07M	74
200	40	21+3	2.5	1.8	18°	FLAT	WOOD	★★★★	280.021.08S	14
200	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★	290.200.24M	20
200	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★	291.200.36M	24
200	30	36	3.2	2.2	15°	ATB 10°	WOOD	★★★★	285.036.08M	24
200	30	36	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	★★★★	271.200.36M	25
200	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★	292.200.48M	28
200	30	48	3.2	2.2	15°	ATB 15°	WOOD	★★★★	285.048.08M	28
200	30	48	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	★★★★	272.200.48M	29
200	30	64	3.2	2.2	5°	ATB 15°	WOOD	★★★★	285.064.08M	32
200	30	64	3.2	2.2	10°	TCG	WOOD	★★★★	281.064.08M	45
200	20	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.200.36H	47
200	45	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.200.36Q2	47
200	45	36	4.7-5.6	3.5	8°	CO + FLAT	WOOD	★★★★★	238.200.36Q	47
200	65	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.200.36J	47
200	80	36	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.200.36W	47
200	20	36	4.4-5.3	3.2	10°	CO + FLAT	WOOD	★★★★★	288.200.36H	51
200	45	36	4.7-6.0	3.5	10°	CO + FLAT	WOOD	★★★★★	288.200.36Q	51
200	45	36	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	Y288.200.36Q2	51
200	65	36	4.4-5.3	3.2	10°	CO + FLAT	WOOD	★★★★★	288.200.36J	51
200	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.200.48M	68
200	32	160	1.8	-	-	BW	METAL & STEEL	-	227.200.160P	71
200	32	0	1.8	-	-	Not Sharpened	METAL & STEEL	-	227.200P	71
203	15.88	12	-	-	-12°	FLAT+ATB	WOOD	★★★★★	230.312.08	54
203	30	12	-	-	-12°	FLAT+ATB	WOOD	★★★★★	230.312.08M	54
203	15.88	24+24	-	-	-12°	FLAT+ATB	WOOD	★★★★★	230.324.08	55
203	15.88	24	-	-	-12°	FLAT+ATB	WOOD	★★★★★	230.524.08	56
203	15.88	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.048.08	73
210	30	12	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.210.12M	11
210	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★	290.210.24M	20
210	25	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★	291.210.36L	24
210	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★	291.210.36M	24
210	30 (+25)	24	1.8	1.2	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.210.24M	25
210	30 (+25)	36	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	★★★★	271.210.36M	25
210	25	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★	292.210.48L	28
210	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★	292.210.48M	28
210	30 (+25)	48	1.8	1.2	15°	ATB 10° + Shear 8°	WOOD	★★★★	272.210.48M	29
210	30	64	2.8	1.8	15°	ATB 15°	WOOD	★★★★	292.210.64M	32
210	30	60	2.6	1.6	-3°	TCG	WOOD	★★★★★	281.810.60M	44
210	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.210.48M	68
210	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★	296.210.64M	68
210	30 (+25)	64	1.8	1.2	-6°	TCG	NON-FERROUS	★★★★	276.210.64M	69
210	30	64	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.210.64M	72
210	30 (+25.4+15.88)	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.048.08M	73
215	50	42	4.3-5.5	3.2	8°	CO + FLAT	WOOD	★★★★★	288.215.42T	51
216	30	14	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.216.14M	11
216	30	24	2.8	1.8	-5°	ATB 15°	WOOD	★★★★	290.216.24M	20
216	30	48	2.8	1.8	-5°	ATB 15°	WOOD	★★★★	291.216.48M	24
216	30	36	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	★★★★	271.216.36M	25
216	30	48	2.3	1.6	-5°	ATB 15°	WOOD	★★★★★	285.816.48M	26
216	30	64	2.8	1.8	-5°	ATB 15°	WOOD	★★★★	292.216.64M	28
216	30	48	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	★★★★	272.216.48M	29
216	30	60	2.3	1.6	-5°	ATB 15°	WOOD	★★★★★	285.816.60M	30
216	30	80	2.8	1.8	-5°	ATB 15°	WOOD	★★★★	292.216.80M	32
216	30	64	1.8	1.2	-5°	ATB 10° + Shear 8°	WOOD	★★★★	273.216.64M	33

D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
216	30	64	2.6	1.6	-3°	TCG	WOOD	★★★★★	281.816.64M	44
216	30	24	2.4	1.6	-5°	ATB 15°	WOOD	★★	K21624M	52
216	30	24	2.4	1.6	-5°	ATB 15°	WOOD	★★	K21624M-X10	52
216	30	48	2.4	1.6	-5°	ATB 15°	WOOD	★★	K21648M	52
216	30	48	2.4	1.6	-5°	ATB 15°	WOOD	★★	K21648M-X10	52
216	30	30	2.5	2.0	10°	HR	WOOD	★★★★★	235.216.30M	62
216	30	40	2.6	2.2	5°	TCG	NON-FERROUS	★★★★★	284.216.40M	65
216	30	64	2.3	1.6	0°	TCG	NON-FERROUS	★★★★★	297.816.64M	66
216	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★★	297.064.09M	68
216	30	80	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★★	297.080.09M	68
216	30	64	2.2	1.6	-6°	TCG	NON-FERROUS	★★★★★	276.216.64M	69
216	30	64	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★★	226.216.64M	72
216	30	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★★	226.047.09M	73
216	30	56	1.8	1.4	0°	TCG	METAL & STEEL	★★★★★	226.556.09M	74
220	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★★	290.220.24M	20
220	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	291.220.36M	24
220	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.220.48M	28
220	30	42	3.2	2.2	-6°	HDF	WOOD	★★★★★	287.043.09M	34
220	30	42	3.2	2.2	10°	HDF	WOOD	★★★★★	287.042.09M	35
220	30	48	3.3	2.2	5°	HDF	WOOD	★★★★★	287.048.09M	35
220	30	64	3.2	2.2	-5°	Hi-ATB 40°	WOOD	★★★★★	283.064.09M	37
220	30	63	3.2	2.2	-3°	FFT	WOOD	★★★★★	281.063.09M	43
220	30	64	3.2	2.2	10°	TCG	WOOD	★★★★★	281.064.09M	45
225	30	36	2.8	1.8	20°	ATB 15°	WOOD	★★★★★	291.225.36M	24
225	30	48	2.6	1.8	10°	ATB 15°	WOOD	★★★★★	285.825.48M	26
225	30	48	2.8	1.8	10°	ATB 15°	WOOD	★★★★★	292.225.48M	28
225	30	64	2.6	1.8	4°	TCG	WOOD	★★★★★	281.225.64M	45
225	30	64	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★★	296.225.64M	68
225	32	180	1.9	-	-	BW	METAL & STEEL	-	227.225.180P	71
225	32	0	1.9	-	-	Not Sharpened	METAL & STEEL	-	227.225P	71
230	22.23	-	-	-	-	-	MULTI-MATERIALS	-	286.230.01	10
230	30	4	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★★	236.230.04M	11
230	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★★	290.230.24M	20
230	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	291.230.36M	24
230	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.230.48M	28
230	30	64	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.230.64M	32
230	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★★	296.230.48M	68
235	25	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★★	290.235.24L	20
235	30 (+25)	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★★	290.235.24M	20
235	25	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	291.235.36L	24
235	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	291.235.36M	24
235	25	36	1.7	1.2	20°	FTG+ATB 15°	WOOD	★★★★★	271.235.36L	25
235	30 (+25)	36	2.4	1.6	18°	ATB 10° + Shear 8°	WOOD	★★★★★	271.235.36M	25
235	25	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.235.48L	28
235	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.235.48M	28
235	30 (+25)	48	2.4	1.6	12°	ATB 10° + Shear 8°	WOOD	★★★★★	272.235.48M	29
235	30	48	2.8	2.2	-6°	TCG	NON-FERROUS	★★★★★	296.235.48M	68
235	30	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★★	226.048.09M	73
240	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★★	290.240.24M	20
240	30	36	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	291.240.36M	24
240	30	48	2.8	1.8	15°	ATB 15°	WOOD	★★★★★	292.240.48M	28
250	30	16	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★★	236.250.16M	11
250	30	16	2.8	1.8	15°	ATB 5°	WOOD	★★★★★	286.016.10M	13
250	70	20+4	2.7	1.8	18°	ATB 10°	WOOD	★★★★★	280.020.10V	14
250	80	20+4	2.7	1.8	18°	ATB 10°	WOOD	★★★★★	280.020.10W	14
250	30	20+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★★	279.020.10M	16

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D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
250	70	20+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.020.10V	16
250	80	20+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.020.10W	16
250	30	24	3.2	2.2	10°	FLAT	WOOD	★★★★★	285.624.10M	18
250	30	24	2.8	1.8	20°	ATB 10°	WOOD	★★★★	290.250.24M	20
250	30	24	2.4	1.6	20°	ATB 10° + Shear 8°	WOOD	★★★★	271.250.24M	21
250	30	40	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.640.10M	22
250	30	40	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.040.10M	23
250	35	40	3.2	2.2	15°	ATB 10°	WOOD	★★★★	285.040.10R	23
250	30	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.048.10M	23
250	30	42	2.4	1.6	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.250.42M	25
250	30	60	3.2	2.2	10°	ATB 15°	WOOD	★★★★★	285.660.10M	26
250	30	60	3.2	2.2	10°	ATB 15°	WOOD	★★★★★	285.060.10M	27
250	35	60	3.2	2.2	10°	ATB 15°	WOOD	★★★★	285.060.10R	27
250	30	50	2.4	1.6	15°	4 ATB 10°+ 1 FLAT + Shear 8°	WOOD	★★★★	272.250.50M	29
250	30	60	2.4	1.6	15°	ATB 10° + Shear 8°	WOOD	★★★★	272.250.60M	29
250	30	80	3.2	2.2	5°	ATB 15°	WOOD	★★★★★	285.680.10M	30
250	30	80	3.2	2.2	5°	ATB 15°	WOOD	★★★★★	285.080.10M	31
250	35	80	3.2	2.2	5°	ATB 15°	WOOD	★★★★	285.080.10R	31
250	30	80	2.4	1.6	12°	ATB 10° + Shear 8°	WOOD	★★★★	273.250.80M	33
250	30	48	3.2	2.2	-6°	HDF	WOOD	★★★★	287.049.10M	34
250	30	48	3.2	2.2	10°	HDF	WOOD	★★★★	287.048.10M	35
250	30	60	3.3	2.2	5°	HDF	WOOD	★★★★	287.060.10M	35
250	30	80	3.2	2.2	-2°	Hi-ATB 38°	WOOD	★★★★★	283.680.10M	36
250	30	80	3.2	2.2	-2°	Hi-ATB 38°	WOOD	★★★★★	283.080.10M	37
250	30	80	3.0	2.5	10°	ATB 20°	WOOD	★★★★★	285.580.10M	38
250	30	80	3.2	2.2	15°	1 FLAT + 4 ATB	WOOD	★★★★	274.080.10M	39
250	30	80	3.2	2.2	5°	TCG	WOOD	★★★★★	281.680.10M	40
250	30	60	3.2	2.2	10°	TCG	WOOD	★★★★	281.060.10M	41
250	30	80	3.2	2.2	10°	TCG	WOOD	★★★★★	281.080.10M	41
250	30	78	3.2	2.2	10°	FFT	WOOD	★★★★	295.078.10M	42
250	30	60	3.2	2.2	-3°	FFT	WOOD	★★★★	281.061.10M	43
250	30	80	3.2	2.2	-3°	TCG	WOOD	★★★★★	281.681.10M	44
250	30	48	3.2	2.2	10°	TCG	WOOD	★★★★★	237.048.10M	46
250	30	40	2.6	1.8	15°	ATB 10°	WOOD	★★	K25040M-X05*	52
250	30	60	2.4	1.6	15°	ATB 10°	WOOD	★★	K25060M	52
250	25.4 (+20)	20	2.0	1.4	2°	ATB 8°	WOOD	★★★★	298.250.20	61
250	25.4 (+20)	40	2.0	1.4	2°	ATB 8°	WOOD	★★★★	298.250.40	61
250	30	36	2.5	2.0	10°	HR	WOOD	★★★★★	235.250.36M	62
250	30	72	3.2	2.5	0°	MTCG	MULTI-MATERIALS	★★★★★	223.072.10M	63
250	30	80	2.8	2.2	-3°	MATB	MULTI-MATERIALS	★★★★★	222.080.10M	63
250	32	80	3.2	2.5	6°	TCG	NON-FERROUS	★★★★★	284.080.10P	64
250	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.080.10M	67
250	32	80	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.080.10P	67
250	30	80	2.6	1.8	-6°	TCG	NON-FERROUS	★★★★	276.250.80M	69
250	32	128	2.0	-	-	C/HZ	METAL & STEEL	-	227.250.128P	70
250	32	160	2.0	-	-	BW	METAL & STEEL	-	227.250.160P	71
250	32	200	2.0	-	-	BW	METAL & STEEL	-	227.250.200P	71
250	32	200	2.0	-	-	BW	METAL & STEEL	-	227.250.700P	71
250	32	0	2.0	-	-	Not Sharpened	METAL & STEEL	-	227.250P	71
250	30	72	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.572.10M	74
254	30	48	2.4	1.8	-5°	ATB 15°	WOOD	★★★★★	294.048.10M	23
254	30	60	2.4	1.8	-5°	ATB 15°	WOOD	★★★★★	294.060.10M	27
254	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.081.10M	67
254	25.4 (+15.88)	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.060.10	72
254	30	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.060.10M	72
254	25.4 (+15.88)	48	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.048.10	73

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
254	25.4 (+15.88)	72	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.572.10	74
260	30	28	2.8	1.8	20°	ATB 10°	WOOD	★★★★	290.260.28M	20
260	30	48	2.8	1.8	15°	ATB 10°	WOOD	★★★★	285.048.11M	24
260	30	60	2.5	1.8	-5°	ATB 10°	WOOD	★★★★★	285.860.11M	26
260	30	60	2.8	1.8	10°	ATB 15°	WOOD	★★★★	285.060.11M	28
260	30	60	2.5	1.8	-5°	ATB 15°	WOOD	★★★★	294.060.11M	28
260	30	80	2.5	1.8	-5°	ATB 15°	WOOD	★★★★	294.080.11M	32
260	30	64	2.5	1.8	-3°	TCG	WOOD	★★★★	281.065.11M	45
260	30	80	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.080.11M	67
270	30	28	2.8	1.8	20°	ATB 10°	WOOD	★★★★	290.270.28M	20
270	30	42	2.8	1.8	15°	ATB 10°	WOOD	★★★★	291.270.42M	24
275	20	42	3.2	2.2	15°	ATB 10°	WOOD	★★★★	285.042.11H	23
275	32	140	2.5	-	-	C/HZ	METAL & STEEL	-	227.275.140P	70
275	32	220	2.5	-	-	BW	METAL & STEEL	-	227.275.220P	71
275	32	220	2.0	-	-	BW	METAL & STEEL	-	227.275.722P	71
275	32	220	2.5	-	-	BW	METAL & STEEL	-	227.275.720P	71
275	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	-	227.275P	71
280	30	64	2.8	1.8	10°	ATB 15°	WOOD	★★★★	295.064.11M	27
280	30	64	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.064.11M	67
300	30	20	2.4	1.8	12°	TCG	MULTI-MATERIALS	★★★★	236.300.20M	11
300	30	20	2.8	1.8	15°	ATB 5°	WOOD	★★★★	286.020.12M	13
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★	286.048.12M	13
300	70	24+4	2.7	1.8	18°	ATB 10°	WOOD	★★★★	280.024.12V	14
300	80	24+4	2.7	1.8	18°	ATB 10°	WOOD	★★★★	280.024.12W	14
300	30	24+4	4.0	2.8	18°	ATB 10°	WOOD	★★★★	277.024.12M	15
300	70	24+4	4.0	2.8	18°	ATB 10°	WOOD	★★★★	277.024.12V	15
300	80	24+4	4.0	2.8	18°	ATB 10°	WOOD	★★★★	277.024.12W	15
300	30	24+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.024.12M	16
300	60	24+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.024.12U	16
300	70	24+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.024.12V	16
300	80	24+4	3.2	2.2	18°	ATB 10°	WOOD	★★★★	279.024.12W	16
300	30	28	3.2	2.2	18°	ATB 10°	WOOD	★★★★★	278.028.12M	17
300	70	28	3.2	2.2	18°	ATB 10°	WOOD	★★★★★	278.028.12V	17
300	30	24	3.2	2.2	20°	ATB 10°	WOOD	★★★★	293.024.12M	19
300	35	24	3.2	2.2	20°	ATB 10°	WOOD	★★★★	293.024.12R	19
300	30	24	2.6	1.8	22°	ATB 10° + Shear 8°	WOOD	★★★★	271.300.24M	21
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.648.12M	22
300	30	36	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.036.12M	23
300	20	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★	285.048.12H	23
300	30	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.048.12M	23
300	35	48	3.2	2.2	15°	ATB 10°	WOOD	★★★★	285.048.12R	23
300	30	48	2.6	1.8	18°	ATB 10° + Shear 8°	WOOD	★★★★	271.300.48M	25
300	30	72	3.2	2.2	10°	ATB 15°	WOOD	★★★★★	285.672.12M	26
300	30	60	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.060.12M	27
300	30	72	3.2	2.2	10°	ATB 15°	WOOD	★★★★★	285.072.12M	27
300	35	72	3.2	2.2	10°	ATB 15°	WOOD	★★★★	285.072.12R	27
300	30	72	2.6	1.8	15°	ATB 10° + Shear 8°	WOOD	★★★★	272.300.72M	29
300	30	96	3.2	2.2	5°	ATB 15°	WOOD	★★★★★	285.696.12M	30
300	30	96	3.2	2.2	5°	ATB 15°	WOOD	★★★★★	285.096.12M	31
300	35	96	3.2	2.2	5°	ATB 15°	WOOD	★★★★	285.096.12R	31
300	30	96	2.6	1.8	12°	ATB 10° + Shear 8°	WOOD	★★★★	273.300.96M	33
300	30	72	3.3	2.2	5°	HDF	WOOD	★★★★	287.072.12M	35
300	30	96	3.2	2.2	2°	Hi-ATB 38°	WOOD	★★★★★	283.696.12M	36
300	30	96	4.2	3.2	2°	Hi-ATB 38°	WOOD	★★★★★	283.096.12M	37
300	30	96	3.0	2.5	10°	ATB 20°	WOOD	★★★★★	285.596.12M	38
300	30	100	3.2	2.2	15°	1 FLAT + 4 ATB	WOOD	★★★★	274.100.12M	39

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
300	30	72	3.2	2.2	10°	TCG	WOOD	★★★★★	281.672.12M	40
300	30	96	3.2	2.2	5°	TCG	WOOD	★★★★★	281.696.12M	40
300	30	72	3.2	2.2	10°	TCG	WOOD	★★★★★	281.072.12M	41
300	30	96	3.2	2.2	10°	TCG	WOOD	★★★★★	281.096.12M	41
300	30	96	3.2	2.2	10°	FFT	WOOD	★★★★	295.096.12M	42
300	30	72	3.2	2.2	-3°	FFT	WOOD	★★★★	281.073.12M	43
300	30	96	3.2	2.2	-3°	TCG	WOOD	★★★★★	281.697.12M	44
300	30	60	3.2	2.2	10°	TCG	WOOD	★★★★★	237.060.12M	46
300	30	96	3.2	2.2	15°	TCG	WOOD	★★★★★	237.096.12M	46
300	65	48	4.3-5.2	3.2	8°	CO + FLAT	WOOD	★★★★★	238.300.48J	47
300	75	60	4.4	3.2	16°	TCG	WOOD	★★★★	282.060.12X	48
300	30	60	4.4	3.2	15°	TCG	WOOD	★★★★★	282.300.60M	49
300	80	60	4.4	3.2	15°	TCG	WOOD	★★★★★	282.300.60W	49
300	50	48	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.300.48T	51
300	65	72	4.3-5.5	3.2	10°	CO + FLAT	WOOD	★★★★★	288.300.72J	51
300	30	72	2.6	1.8	18°	ATB 10°	WOOD	★★	K30072M	52
300	30	44	2.5	2.0	10°	HR	WOOD	★★★★★	235.300.44M	62
300	30	84	3.2	2.5	0°	MTCG	MULTI-MATERIALS	★★★★★	223.084.12M	63
300	30	96	2.8	2.2	-3°	MATB	MULTI-MATERIALS	★★★★★	222.096.12M	63
300	32	96	3.2	2.5	6°	TCG	NON-FERROUS	★★★★★	284.096.12P	64
300	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.096.12M	67
300	32	96	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.096.12P	67
300	30	96	2.8	2.0	-6°	TCG	NON-FERROUS	★★★★★	276.300.96M	69
300	32	160	2.5	-	-	C/HZ	METAL & STEEL	-	227.300.160P	70
300	32	220	2.5	-	-	BW	METAL & STEEL	-	227.300.220P	71
300	32	220	2.0	-	-	BW	METAL & STEEL	-	227.300.722P	71
300	32	220	2.5	-	-	BW	METAL & STEEL	-	227.300.720P	71
300	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	-	227.300P	71
300	30	80	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.580.12M	74
303	30	60	3.2	2.2	-6°	HDF	WOOD	★★★★	287.061.12M	34
303	30	60	3.2	2.2	10°	HDF	WOOD	★★★★	287.060.12M	35
305	30	28	3.2	2.2	20°	ATB 10°	WOOD	★★★★	293.028.22M	19
305	30	54	2.8	1.8	-5°	ATB 15°	WOOD	★★★★★	294.054.22M	23
305	30	48	2.6	1.8	-5°	ATB 10°	WOOD	★★★★	271.305.48M	25
305	30	72	3.2	2.2	10°	ATB 15°	WOOD	★★★★★	285.072.22M	27
305	30	72	3.2	2.2	-5°	ATB 15°	WOOD	★★★★★	294.072.22M	27
305	30	72	2.6	1.8	-5°	ATB 10° + Shear 8°	WOOD	★★★★	272.305.72M	29
305	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.096.13M	67
305	30	96	2.8	2.0	-6°	TCG	NON-FERROUS	★★★★	276.305.96M	69
305	25	80	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.080.12	72
305	30	80	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.080.12M	72
305	25	60	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.060.12	73
305	25.4	80	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.580.12	74
315	30	24	3.2	2.2	15°	ATB 5°	WOOD	★★★★	286.024.13M	13
315	30	28	3.2	2.2	20°	ATB 10°	WOOD	★★★★	293.028.12M	19
315	30	36	3.2	2.2	15°	ATB 5°	WOOD	★★★★	285.036.13M	19
315	30	54	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	294.054.12M	23
315	30	54	2.6	1.8	-5°	ATB 10°	WOOD	★★★★	271.315.54M	25
315	30	72	3.2	2.2	15°	ATB 10°	WOOD	★★★★★	285.072.13M	27
315	30	96	3.2	2.5	-6°	TCG	NON-FERROUS	★★★★★	297.096.23M	67
315	32	160	2.5	-	-	C/HZ	METAL & STEEL	-	227.315.160P	70
315	32	240	2.5	-	-	BW	METAL & STEEL	-	227.315.240P	71
315	32	240	2.5	-	-	BW	METAL & STEEL	-	227.315.740P	71
315	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	-	227.315P	71
320	65	60	4.4	3.2	16°	TCG	WOOD	★★★★	Y282.060.13J	48
320	65	60	4.4	3.2	15°	TCG	WOOD	★★★★★	282.320.60J	49

D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
320	65	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.320.72J	49
330	30	96	3.6	3.0	-6°	TCG	NON-FERROUS	★★★★★	297.096.33M	67
330	32	96	3.6	3.0	-6°	TCG	NON-FERROUS	★★★★★	297.096.33P	67
350	30	24	3.2	2.2	15°	ATB 5°	WOOD	★★★★	286.024.14M	13
350	30	24+6	4.2	2.8	18°	ATB 10°	WOOD	★★★★	277.024.14M	15
350	70	24+6	4.2	2.8	18°	ATB 10°	WOOD	★★★★	277.024.14V	15
350	30	28+4	3.5	2.5	18°	ATB 10°	WOOD	★★★★	279.028.14M	16
350	60	28+4	3.5	2.5	18°	ATB 10°	WOOD	★★★★	279.028.14U	16
350	70	28+4	3.5	2.5	18°	ATB 10°	WOOD	★★★★★	279.028.14V	16
350	80	28+4	3.5	2.5	18°	ATB 10°	WOOD	★★★★	279.028.14W	16
350	30	36	3.5	2.5	18°	ATB 10°	WOOD	★★★★★	278.036.14M	17
350	70	36	3.5	2.5	18°	ATB 10°	WOOD	★★★★★	278.036.14V	17
350	30	28	3.5	2.5	20°	ATB 10°	WOOD	★★★★	293.028.14M	19
350	35	28	3.5	2.5	20°	ATB 10°	WOOD	★★★★	293.028.14R	19
350	30	54	3.5	2.5	15°	ATB 10°	WOOD	★★★★★	285.654.14M	22
350	30	54	3.5	2.5	15°	ATB 10°	WOOD	★★★★★	285.054.14M	23
350	35	54	3.5	2.5	15°	ATB 10°	WOOD	★★★★	285.054.14R	23
350	30	84	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.684.14M	26
350	30	72	3.5	2.5	15°	ATB 10°	WOOD	★★★★★	285.072.14M	27
350	30	84	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.084.14M	27
350	35	84	3.5	2.5	10°	ATB 15°	WOOD	★★★★	285.084.14R	27
350	30	108	3.5	2.5	5°	ATB 15°	WOOD	★★★★★	285.708.14M	30
350	30	108	3.5	2.5	5°	ATB 15°	WOOD	★★★★★	285.108.14M	31
350	35	108	3.5	2.5	5°	ATB 15°	WOOD	★★★★	285.108.14R	31
350	30	108	3.5	2.5	5°	Hi-ATB 38°	WOOD	★★★★★	283.108.14M	37
350	30	84	3.5	2.5	10°	TCG	WOOD	★★★★★	281.684.14M	40
350	30	108	3.5	2.5	5°	TCG	WOOD	★★★★★	281.708.14M	40
350	30	84	3.5	2.5	10°	TCG	WOOD	★★★★	281.084.14M	41
350	30	108	3.5	2.5	5°	TCG	WOOD	★★★★★	281.108.14M	41
350	30	108	3.5	2.5	10°	FFT	WOOD	★★★★	295.108.14M	42
350	30	72	3.5	2.4	15°	TCG	WOOD	★★★★★	237.072.14M	46
350	30	54	4.4	3.2	16°	TCG	WOOD	★★★★	282.054.14M	48
350	30	108	3.5	2.5	10°	TCG	WOOD	★★★★	281.108.14M	48
350	50	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.14T	48
350	75	54	4.4	3.2	16°	TCG	WOOD	★★★★	282.054.14X	48
350	80	54	4.4	3.2	16°	TCG	WOOD	★★★★	282.054.14W	48
350	30	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.350.72M	49
350	60	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.350.72U	49
350	75	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.350.72X	49
350	80	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.350.72W	49
350	32	84	3.6	3.0	6°	TCG	NON-FERROUS	★★★★★	284.092.14P	64
350	32	108	3.6	3.0	6°	TCG	NON-FERROUS	★★★★★	284.108.14P	64
350	30	108	3.6	3.0	-6°	TCG	NON-FERROUS	★★★★★	297.108.14M	67
350	32	108	3.6	3.0	-6°	TCG	NON-FERROUS	★★★★★	297.108.14P	67
350	32	180	2.5	-	-	C/HZ	METAL & STEEL	-	227.350.180P	70
350	32	280	2.5	-	-	BW	METAL & STEEL	-	227.350.280P	71
350	32	280	2.5	-	-	BW	METAL & STEEL	-	227.350.780P	71
350	32	0	2.5	-	-	Not Sharpened	METAL & STEEL	-	227.350P	71
355	30	72	4.4	3.2	16°	TCG	WOOD	★★★★	S282.03556	48
355	80	72	4.4	3.2	10°	TCG	WOOD	★★★★	282.072.14W2	48
355	65	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.355.72J	49
355	25	90	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.090.14	72
355	30	90	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.090.14M	72
355	25	72	2.2	1.8	0°	FWF 8°	METAL & STEEL	★★★★	226.072.14	73
355	30	90	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.590.14M	74
355	25.4	90	2.2	1.8	0°	FWF 10°	METAL & STEEL	★★★★	226.590.14	74

# Saw Blade Index

D mm	B mm	Z	K mm	P mm	α	β	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
380	60	72	4.8	3.5	16°	TCG	WOOD	★★★★	282.072.15U	48
380	60	72	4.4	3.2	15°	TCG	WOOD	★★★★	282.072.15U2	48
380	80	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.15W	48
380	60	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.380.72U2	49
380	60	72	4.8	3.5	15°	TCG	WOOD	★★★★★	282.380.72U	49
380	80	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.380.72W	49
400	30	28	3.2	2.2	15°	ATB 5°	WOOD	★★★★	286.028.16M	13
400	30	28+6	4.0	2.8	18°	ATB 10°	WOOD	★★★★	279.028.16M	16
400	70	28+6	4.0	2.8	18°	ATB 10°	WOOD	★★★★	279.028.16V	16
400	30	36	3.5	2.5	20°	ATB 10°	WOOD	★★★★	285.036.16M	19
400	30	60	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.660.16M	22
400	30	48	3.5	2.5	20°	ATB 10°	WOOD	★★★★★	285.048.16M	23
400	30	60	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.060.16M	23
400	30	96	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.696.16M	26
400	30	96	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.096.16M	27
400	30	120	3.5	2.5	10°	ATB 15°	WOOD	★★★★★	285.120.16M	31
400	30	60	4.4	3.2	16°	TCG	WOOD	★★★★	282.060.16M	48
400	60	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.16U	48
400	75	60	4.4	3.2	16°	TCG	WOOD	★★★★	282.060.16X	48
400	80	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.16W	48
400	30	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.400.72M	49
400	75	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.400.72X	49
400	80	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.400.72W	49
400	32	96	4.0	3.2	6°	TCG	NON-FERROUS	★★★★★	284.096.16P	64
400	30	120	4.0	3.2	-6°	TCG	NON-FERROUS	★★★★★	297.120.16M	67
400	32	96	4.0	3.2	-6°	TCG	NON-FERROUS	★★★★★	297.108.16P	67
400	32	120	4.0	3.2	-6°	TCG	NON-FERROUS	★★★★★	297.120.16P	67
420	80	72	4.4	3.2	15°	TCG	WOOD	★★★★	282.072.17W	48
420	32	96	3.8	3.2	6°	TCG	NON-FERROUS	★★★★★	284.096.17P	64
430	75	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.17X	48
430	80	72	4.4	3.2	16°	TCG	WOOD	★★★★	282.072.17W2	48
430	65	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.430.72J	49
450	30	32	3.8	2.8	15°	ATB 5°	WOOD	★★★★	286.032.18M	13
450	30	36	3.8	2.8	20°	ATB 10°	WOOD	★★★★	285.036.18M	19
450	30	54	3.8	2.8	15°	ATB 15°	WOOD	★★★★	285.054.18M	23
450	30	66	3.8	2.8	10°	ATB 15°	WOOD	★★★★	285.066.18M	27
450	30	72	4.4	3.2	16°	TCG	WOOD	★★★★	Y282.072.18M2	48
450	60	72	4.8	3.5	16°	TCG	WOOD	★★★★	282.072.18U	48
450	80	72	4.8	3.5	16°	TCG	WOOD	★★★★	282.072.18W2	48
450	30	72	4.4	3.2	15°	TCG	WOOD	★★★★★	282.450.72M	49
450	60	72	4.8	3.5	15°	TCG	WOOD	★★★★★	282.450.72U	49
450	30	108	4.2	3.5	6°	TCG	NON-FERROUS	★★★★★	284.108.18M	64
450	32	108	4.2	3.5	6°	TCG	NON-FERROUS	★★★★★	284.108.18P	64
450	30	96	4.2	3.5	-6°	TCG	NON-FERROUS	★★★★★	297.108.18M	67
450	30	120	4.2	3.5	-6°	TCG	NON-FERROUS	★★★★★	Y297.140.18M	67
450	32	96	4.2	3.5	-6°	TCG	NON-FERROUS	★★★★★	297.108.18P	67
450	32	120	4.2	3.5	-6°	TCG	NON-FERROUS	★★★★★	297.120.18P	67
500	30	36	3.8	2.8	15°	ATB 5°	WOOD	★★★★	286.036.20M	13
500	30	44	4.0	2.8	20°	ATB 10°	WOOD	★★★★	285.044.20M	19
500	30	60	3.8	2.8	15°	ATB 15°	WOOD	★★★★	285.060.20M	23
500	30	72	3.8	2.8	10°	ATB 15°	WOOD	★★★★	285.072.20M	27
500	60	72	4.8	3.5	16°	TCG	WOOD	★★★★	282.072.20U	48
500	30	120	4.3	3.5	10°	TCG	NON-FERROUS	★★★★★	284.120.20M	64
500	32	120	4.3	3.5	10°	TCG	NON-FERROUS	★★★★★	284.120.20P	64
500	30	120	4.3	3.5	-6°	TCG	NON-FERROUS	★★★★★	297.120.20M	67
500	32	120	4.3	3.5	-6°	TCG	NON-FERROUS	★★★★★	297.120.20P	67

D mm	B mm	Z	K mm	P mm	$\alpha$	$\beta$	MATERIALS APPLICATION	PERFORMANCE	ORDER NO.	PAGE
520	70	60	4.8	3.5	15°	TCG	WOOD	★★★★★	282.520.60V	49
550	30	40	4.2	3.2	15°	ATB 5°	WOOD	★★★★	286.040.22M	13
550	30	60	4.2	3.2	15°	ATB 10°	WOOD	★★★★	285.060.22M	23
550	30	96	4.2	3.2	10°	ATB 15°	WOOD	★★★★	285.096.22M	27
550	30	132	4.3	3.5	10°	TCG	NON-FERROUS	★★★★★	284.132.22M	64
550	32	132	4.3	3.5	10°	TCG	NON-FERROUS	★★★★★	284.132.22P	64
550	32	148	4.3	3.5	5°	TCG	NON-FERROUS	★★★★★	Y297.148.22P	67
600	30	40	4.2	3.2	15°	ATB 5°	WOOD	★★★★	286.040.24M	13
600	30	66	4.2	3.2	15°	ATB 10°	WOOD	★★★★	285.066.24M	23
700	30	46	4.4	3.2	15°	ATB 5°	WOOD	★★★★	286.046.28M	13
700	30	72	4.4	3.2	10°	ATB 15°	WOOD	★★★★	285.072.28M	23



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

**WARNING**

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

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

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

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