ITA TOOLS



Everyday better

TiTAN EQUIPMENT & TOOLING SALES LTD.

PROFESSIONAL TOOLS

PRODUCTION | SALES | SERVICE

Catalogue **EDITION 4 | 2025/2026**

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Visit our blog and stay up to date with our offer of professional tools & accessories, news from our company, and news in the field of the woodworking industry.

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For our customers ITA TOOLS offers free to download materials such as tools' catalogues, leaflets with all techincal informations and sevices offered.

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CONTENTS



Company Details 4-18

CNC PROCESSING



PCD & HM Tools 19-53



VHM Tools 54-91



PCD & VHM Tools for Composites 92-129



Chucks & Accessories 130-142

EDGEBANDING PROCESS



Tools for Edgebanding Machines 143-158

CUTTING PROCESS



Circular Saw Blades 159-203

DRILLING PROCESS



Drill Bits 204-226

KNIVES



Straight & System Knives 227-232

EXTRAS



Starter Kits 233-234

Display Cutters 235

ITA TOOLS
Company details

ITA TOOLS Company is a Polish manufacturer of professional cutting tools located in Cracow with production and service center in Mielec, Special Industrial Zone and warehouse in Wieliczka. We offer a wide range of tools for woodworking industry, furniture production and processing composite materials.

PRODUCTS

Product range includes:

- Solid carbide spiral bits
- PCD router bits and cutters
- Industrial drills
- Saw blades
- Cutter heads and pre milling cutter heads
- Interchangeable and planer knives
- CNC chuck and accessories
- Other customized tools

WAREHOUSE

Why better than other?

- Industrial tool available on stock!
- B2B system for orders collection 24/7
- Fast delivery thanks to location in the middle of Europe
- Customized production
- Experienced staff ready to meet your specific needs

PRODUCTION & SERVICE CENTER

Full range of tools' services!

- Sharpening, regeneration, coating
- Modern CNC machine park witch machines from: WALTER®, VOLLMER®, ANCA®, DMG MORI®, HAIMER®
- Certified staff works 24/7 in 3 shifts, 7 days a week
- Perfect service at the highest level appreciated by customers

Here you can find **the newest video** presentations about our company:
https://ita.tools/url/yt

YouTube



Tool Service
24/7



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Availability
& Quality

World Wide
Export

Experience
& Knowledge

Innovation:
Laser Ablation



PRODUCTION AND SERVICE

PCD and HM Tools

ITA TOOLS company is the supplier of professional industrial cutting tools and solutions for business. Our production center is one of the biggest and most modern machinery parks in Central Europe. Our products are distinguished by high tolerance and best precision. We are proud of our production center and tools, therefore we invite you for an individual visit or live video presentation.

Our company is a pioneer in the technology of PCD sharpening by laser ablation method. Laser ablation works by focusing a laser onto a substrate to remove material that is on its surface. Laser ablation is much more efficient, reliable and cost-effective method.

WE TAKE CARE OF YOUR TOOLS

We work 24h, 3 shifts – 7 days per week for you!

- Each tool is registered in a database on each step of the service
- Ultrasonic cleaning or micro glass grain sandblasting depending on the tool and dirt provide the best quality
- Measurements before and after services on WALTER® ADVANCE, WALTER® HELISET and ZOLLER®
- Measurements after sharpening with an accuracy of 0.01 mm – indicating diameter before and after sharpening.
- Top quality of induction brazing by CEIA® machines
- Sharpening PCD technology provided by modern CNC machines DMG MORI®, WALTER® and VOLLMER®
- High grinding quality thanks to WALTER® machines
- Dynamic balancing with a tolerance of G2.5 thanks to HAIMER® machines

Laser ablation sharpening technology provided by DMG MORI®, unique on European scale.

ITA TOOLS is a braze-welding procedure certified.
Testing standard: **PN-EN ISO 13585:2012**



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15 000 m²

Production centre in Mielec, Poland: brand new facility of tools' manufacturing and sharpening service center.

Brand new and advanced CNC machines from DMG MORI®, Walter®, Vollmer® and ANCA® in combination with professional team of operators and engineers create the NEW quality level of products and services.

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SAW BLADES

ITA TOOLS production



At ITA TOOLS, we prioritize continuous development and work tirelessly to deliver products that not only meet but exceed our customers' expectations.

With an innovative approach to tool production, a bold vision for the future, and a deep understanding of the latest technologies, we have built a philosophy that drives our growth and positions us as leaders in the industry.

By leveraging innovative technologies and fully automating our processes, we have revolutionized the production of circular saws. Every stage of production, from material selection to technological implementation, is meticulously planned, optimized, and automated, allowing us to set new industry standards for quality and performance.

Our precision laser cutting of high-quality sheet metal and heat treatment process, conducted in a unique European furnace, make ITA TOOLS saws stand out for their exceptional strength and flatness. Tensioning processes, dynamic balancing of the discs and precision grinding ensure unmatched flatness, stiffness, and stability in the saw bodies.

Surface grinding is performed on an automated grinder, ensuring precision down to 5 microns. The unique design of the saw body, equipped with compensation grooves, minimizes operating noise and guarantees extraordinary cutting precision. Furthermore, the innovative tooth design simplifies sharpening, greatly extending the tool's service life.

The sharpening of sintered carbide is executed on a state-of-the-art fully automated line of high-performance grinders, which are numerically controlled and operated by robots. At ITA TOOLS, each saw undergoes rigorous testing with the latest measurement technologies to ensure it meets the highest quality standards before leaving our factory.

With our comprehensive product range and wide array of options, ITA TOOLS offers endless possibilities for finding the most efficient cutting solution. We make no compromises during production—by using materials from leading manufacturers and incorporating the latest technology, we bring tangible benefits to our customers and deliver the highest quality product.

Here you can find **the newest video** about our saw blade production

YouTube

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MADE IN POLAND

Precision, efficiency, reliability – these are the features that define ITA TOOLS products. We are proud to provide solutions that contribute to the development of the wood and furniture industry around the world.

IN-HOUSE PRODUCTION

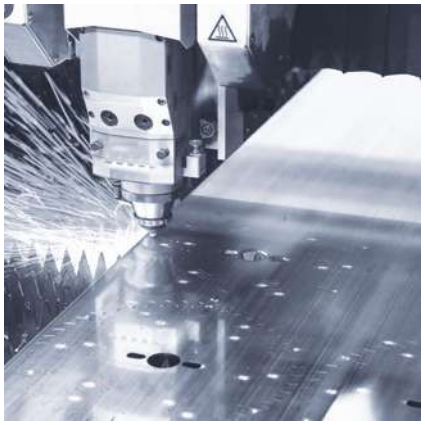
ITA TOOLS Company is a Polish manufacturer of professional cutting tools located in Cracow with production and service center in Mielec Special Industrial Zone and warehouse in Wieliczka.

HIGH QUALITY MATERIALS

High-quality tool steel sintered carbide teeth from leading manufacturers and high stocks of raw materials guarantee the best product available.

Continued on the next page ▶

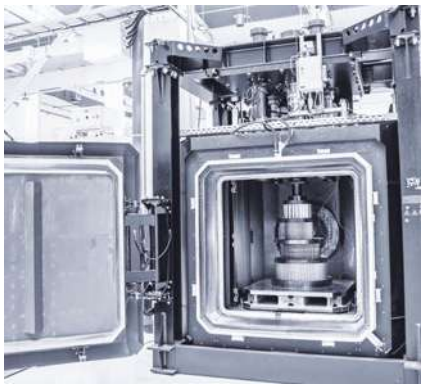
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LASER CUTTING PROCESS

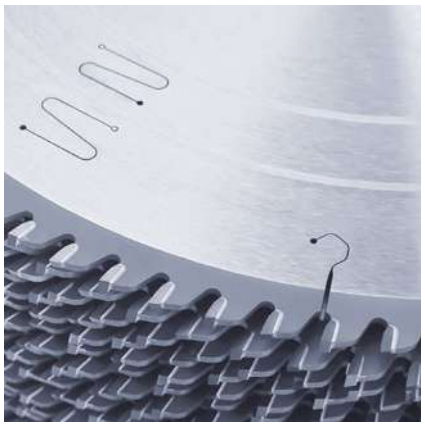
Laser Cut Steel Plates
Production process start with laser cutting of high-quality steel sheets. Cutting quality and longevity depends on the body of a tool. We use the highest quality steel which is durable, tough and flexible during cutting operations.

Expansion slots
Laser cut slots are designed to allow the blade to resist deformation from increases in temperature



HARDENING AND TEMPERING

Tool steel is processed in a special press furnace. Saw discs made of tool steel are hardened and tempered which ensures the best durability of the tool.



GRINDING, TENSIONING AND DISC BALANCING

To ensure the best performance of the tool, flatting and plate tensioning processes are required. Tensioning processes, dynamic balancing of the discs, and precision grinding ensure unmatched flatness, stiffness and stability in the saw bodies. Surface grinding is performed on an automated grinder, ensuring highest precision.



SOLDERING OF CARBIDE TIPS

Tips require the best quality carbide. Different applications require different gades. We have access to the widest range of HM tips and use only the highest quality carbides from top producer.

CERATIZIT GROUP





SHARPENING BLADES AND CUTTING ANGLES

Process of sharpening is imperative to the production of the tool. Fully automated and numerically controlled grinding machines allow any type of angle and shape of the blade. The innovative tooth design simplifies sharpening, greatly extending the tool's service life.

VOLLMER



LASER MARKING

All ITA TOOS products are easy identifiable thanks to the laser marking process. A unique QR code clearly identifies the tool and allows you to track its sharpening and regeneration history.



FINAL TESTING AND QUALITY CONTROL

Quality control is our top priority. Each saw undergoes rigorous tests using the latest measurement technologies. This is a guarantee that every saw leaving our factory meets the highest quality standards.

LARGE STOCKS

We guarantee large stock levels – our tools are always available immediately.



PACKAGING AND DELIVERY

Blade packaging is made from strong and sturdy materials protecting the tool from any damage in transportation. Fast delivery thanks to the localization in the centre of Europe.

SAW TIPS FOR WOOD SAWING

from leading manufacturer CERATIZIT®



Improved carbide grades for wood sawing offer you even more flexibility: whether it is for softwood or hardwood, for the sawing of fibre or particle boards – our continuously growing selection of KCR grades has successfully proved its value on the market.

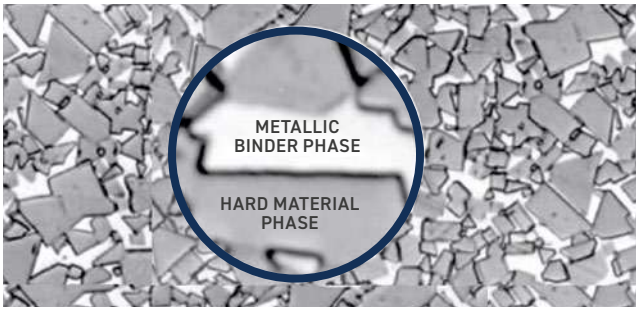
All of our carbide grades for saw tips and strobe blanks presented here can be surface-treated to simplify your brazing process, thus offering faster and easier further processing.

CHOOSE THE BEST QUALITY

Criteria relevant for application:

- Wear resistance, hardness
- Compressive strength
- Impact strength
- Transverse rupture strength
- Tribological properties
- Specific weight
- Magnetic properties
- Modulus of elasticity, rigidity
- Thermal properties
- Corrosion resistance, resistance to oxidation
- Toughness

CEMENTED CARBIDE STRUCTURE



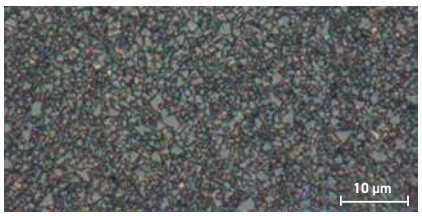
Micrograph of WC-Co carbide

The hard material provides the necessary

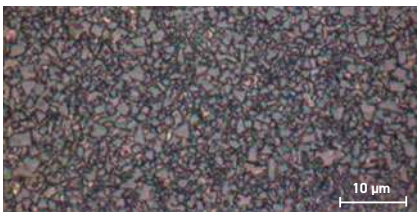
- ▲Hardness
- ▲Wear resistance

The metallic binder provides

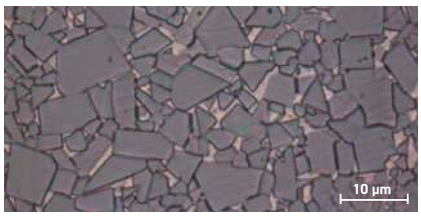
- ▲Toughness



Submicron grain



Fine / medium grain



Coarse grain

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CERATIZIT® is a high-technology engineering group specialised in hard material solutions.

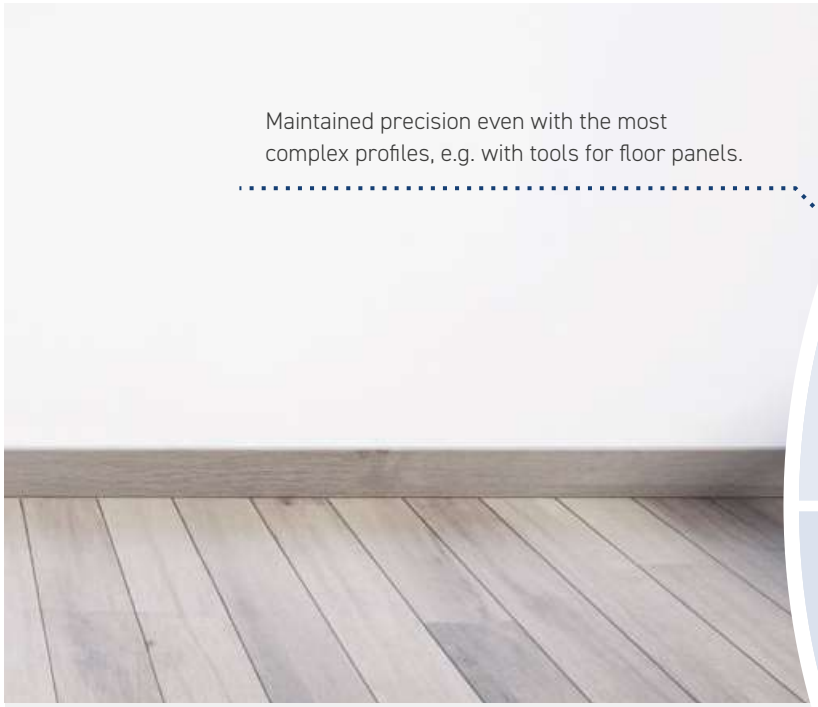
CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (KiC) [MPa*m½]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR05+	3.0	ultrafine	2160	94.5	7.8	2900	 CHIPBOARD
KCR06	3.0	submicron	1950	93.8	8.5	2600	 SOFT WOOD
KCR10	4.0	fine	1780	91.7	10.1	2800	 HARD WOOD

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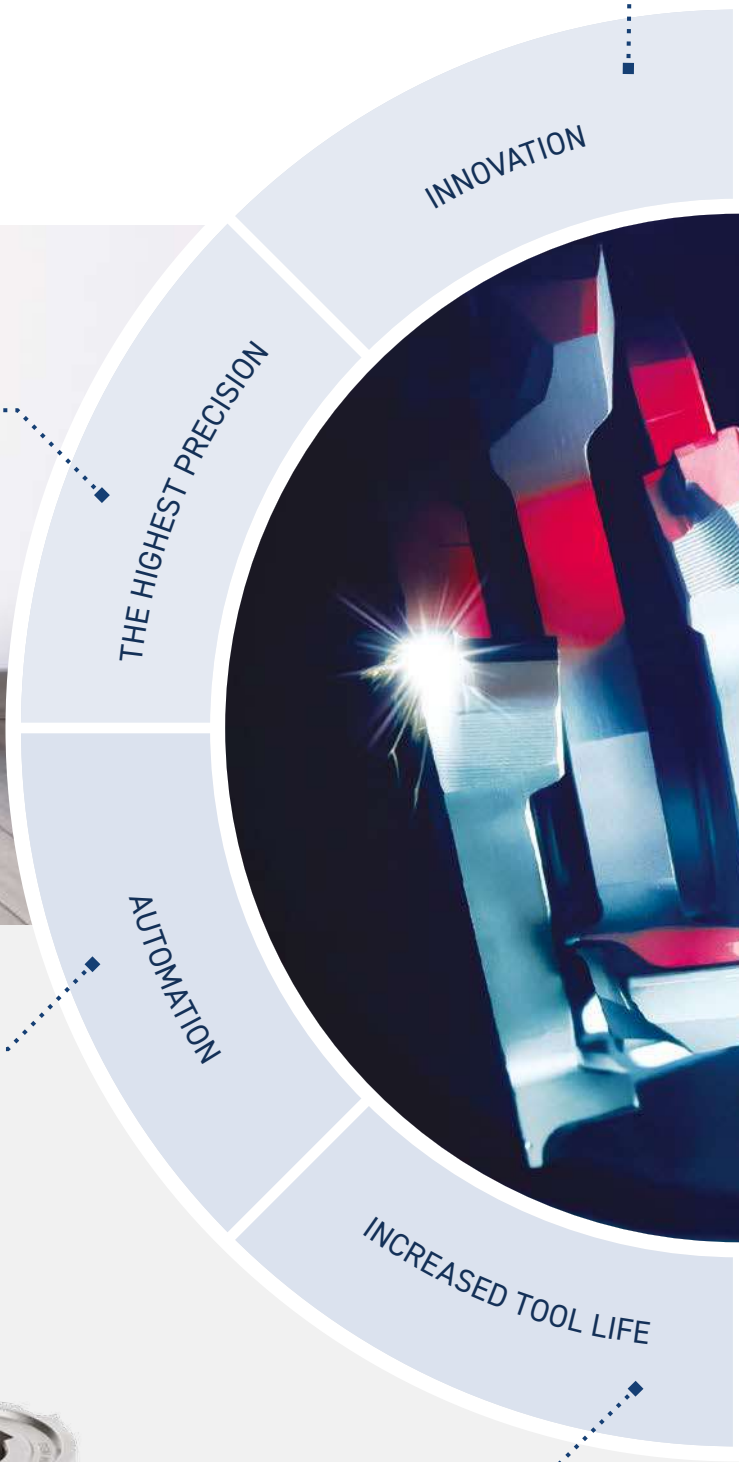
LASER ABLATION

The biggest advantages over other traditional sharpening methods.

We are pioneers in sharpening tools using the laser ablation method in the furniture industry.



Maintained precision even with the most complex profiles, e.g. with tools for floor panels.



Fully automatic machines speed up the sharpening process.



A more precise surface of the blade translates into better machining quality and less frequently required tool's service.

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WHAT IS ABLATION?

In the ablation process, we use laser beams to remove nicks formed on the blade. Thanks to that we are obtaining unprecedented smoothness of the blade in a short time. It allows for accomplishing even better-finished surfaces of the processed materials.

- PCD is processed at the same time as well as the binder.
- Tool sharpening is possible with chip breaker.
- Perfect blade finish.
- The minimum radius is 15 µm.
- Sharpening Entire PCD Tool Sets.
- Longer tool life.

We sharpen tools with a diameter of **up to 320 mm**, height **up to 350 mm**, weight **up to 25 kg**.

WIDE RANGE OF SERVICES



WE SHARPEN EVERY ANGLE

Thanks to the laser, we are able to sharpen the angle from 15 microns.



OPTIMIZATION

We have the ability to sharpen the entire set of tools in one cycle, without the need to disassemble the tool, while maintaining an even diameter of the blades.



QUALITY CONTROL

Thanks to the built-in camera, the grade of the tools is checked before each sharpening which allows to determine the minimum amount of material that should be collected in order to sharpen the tool as well as possible.

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B2B SALES SYSTEM

Your personal account with order center
& useful product information 24/7

INTUITIVE PROCESS OF PRODUCT ORDERING

Simple way for placing orders independently.

SIMPLE PRODUCT SEARCHING SYSTEM

Wide range of filters enabling the selection of appropriate tools.

ACCESS TO INVOICES AND PAYMENTS

Download invoices directly from your account.



SCAN THE CODE
AND FILL OUT THE FORM

Further information about the B2B sales system can be found here:

www.b2b-itatools.pl

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SEARCH PRODUCT BY THE TYPE OF MACHINE

Filters enabling the selection of both tools for machines as well as blades for power tools.

ORDER STATUS MONITORING

The ability to check order status on your own.

ACCESS TO THE ORDER HISTORY AND INVOICES

Full history track of your offers, orders, invoices in one place.

ACCESS TO STOCK

Access to actual product stock 24/7.



INTUITIVE AND USER FRIENDLY SYSTEM

System is based on the most common customer requirements and is constantly being developed.

ACCESS TO ACTUAL PROMOTIONS

Instant information about all current promotions for B2B users.

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INTERNET APPLICATION

The new technology for tool and machine managements.

4-0.pl

TOOLCLOUD 4.0

SIMPLICITY:

Clear and transparent interface that even novice users can handle.

MOBILITY:

Access to the program is possible from any device with a web browser without the need to install additional software on your computer or phone.

FLEXIBILITY:

The program can be configured, to best reflect the structure in your company.

COMPLEXITY:

One-stop place, where you can check our stock, what's happening in service, but also quickly place an order with delivery.

FRUGALITY:

Bright and clear overview on tools stocks and upcoming services will help you to avoid unplanned downtime.

TIME SAVING:

DPM reader will help you locate and manage tools fast. Tool release to employees or shipping to service will take just a moment.



4.0 INDUSTRY

ToolCloud has been developed according to INDUSTRY 4.0 Easy to locate resources during the production process.

Unique **DataMatrix code** allows collect information about the tool and manage them effectively.

CNC PROCESSING



DIAMOND ROUTER BITS

ITA TOOLS production

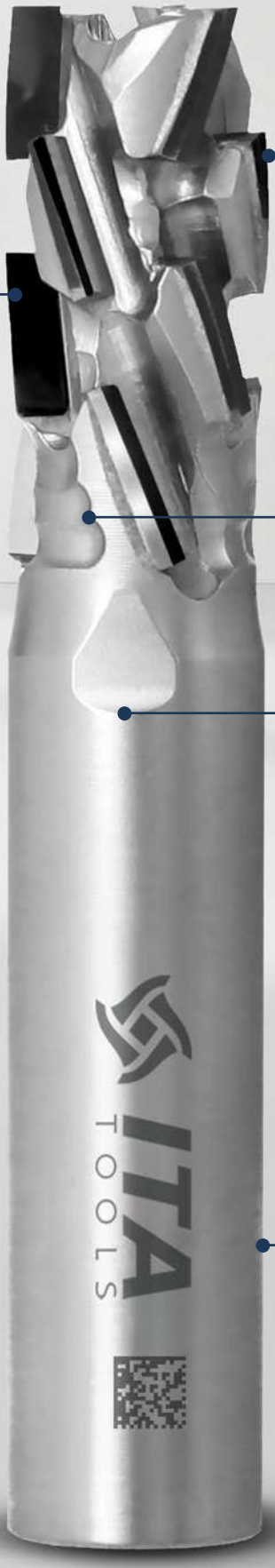


Ideal for machining wood-based and composite materials.

Polished back edge of PCD insert
reduces chip adhesion.

Deep channels for
easy chip ejection.

H6 chuck tolerance
reduces run-out increasing tool life.



PCD from
top quality
European
manufactures.

PCD teeth sharpened with an innovative **laser ablation method**. The previously unseen sharpness of the teeth translates into an ideal surface of the processed material.

Special design
reduces noise level
during working.

Dynamic balancing in G2.5 class
eliminates vibrations even
at maximum speed.

Shank surface roughness Ra ≤ 0,3 µm
reduces CNC spindle wear and eliminates runout.

Chapter

Diamond and HM Tools



DT1 series
Z1
p. 24



DT2 series
Z2
p. 26



DT2 **LED LIGHTS** series
Z2
NEW
p. 28



DTS series
Z2+1
p. 29



DTA series
Z1+1
p. 31



DTB series
Z1+1 PRO
p. 34



DTN series
Z2+2 PRO
p. 36



DTL series
Z2+2 PRO
p. 38



DTE series
Z3+1 TURBO
p. 40



DTE series
Z3+1 TURBO NESTING
p. 42



DTE series
Z3+1 NESTING
p. 43



DTF series
Z2+2 NESTING
p. 44



DTM series
Z3+3 NESTING
p. 45



DTC series
Z2+2, Z3+3
DTJ series
Z4+2+4
p. 47



FDI, FDT series
Z2, Z2+1, Z2+2
p. 49



FDP series
Z3, Z2+2
p. 50



FDH series
p. 51



FWP series
p. 52

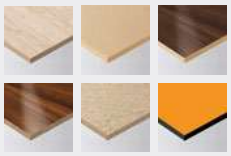


FWH series
NEW
p. 53



For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

PCD Nesting Cutters Handbook

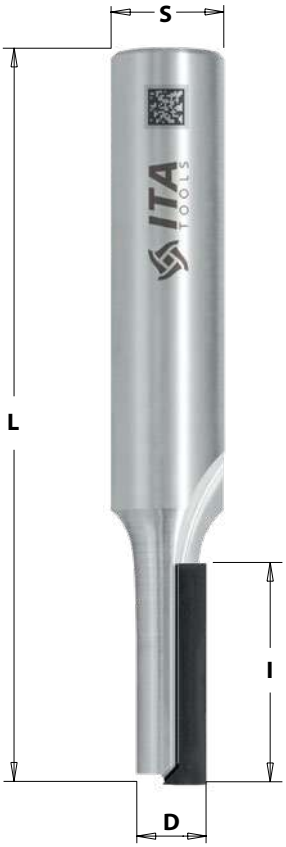
SERIES	Z	MATERIALS	WORKING PARAMETERS	TOOLS LIFE	PRODUCT
DTS page 29	2+1		HPL – 4-6 m/min MDF – 8-12 m/min PLYWOOD – 8-12 m/min RPM 18000-24000	●●●	
DTR page 128	4+1		HPL – 8-12 m/min MDF – 10-16 m/min PLYWOOD – 12-18 m/min RPM 18000-24000	●●●	
DTE page 40-43	3+1		Feed speed 12-16 m/min RPM 18000-24000	●●●	
DTF page 44	2+2		Feed speed 14-20 m/min RPM 18000-24000	●●●	
DTM page 45	3+3		Feed speed 15-25 m/min RPM 18000-24000	●●●	

Materials:



HPL | LAMINATED MDF | RAW MDF | LAMINATED CHIPBOARD | RAW CHIPBOARD | PLYWOOD

DT1



Z1 | RH | LASER ABLATION

Technical details:

- One full negative or straight PCD blade
- Body made from tungsten carbide hardness of 93,8 HRA
- Can be resharpened:
  H2,5 – (2-3 sharpening operations),
  H3 – (3-4 sharpening operations)

Application:



CUTTING | JOINTING | RABBETING | GROOVING

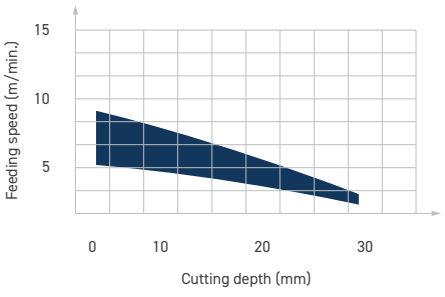
Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●○○



LAMINATED PLYWOOD ●○○ | GLASS FIBER/ CARBON FIBER ●○○ | CORIAN® / HPL ●○○ | ALUMINUM ●○○ | FIBER CEMENT ●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
4	12	70	6	1	0°	2,5	HM	DT1.04.012.06.0MR
5	10	60	6	1	Neg.	3,0	HM	DT1.05.010.06.0MR
5	20	70	6	1	Neg.	3,0	HM	DT1.05.020.06.0MR
6	12	60	6	1	Neg.	3,0	HM	DT1.06.012.06.0MR

Table continued on the next page ▶

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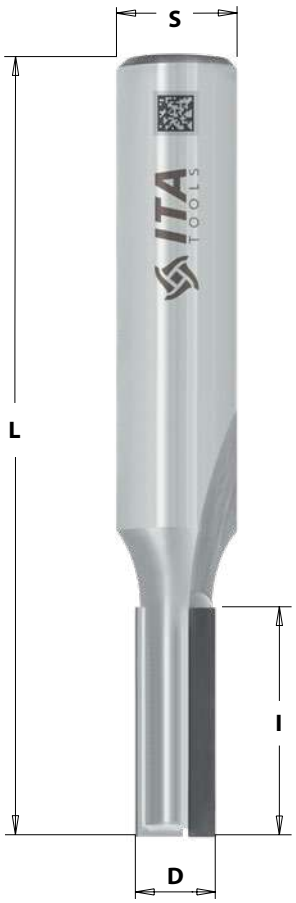
For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Diamond Router Bits Z1

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
6	12	70	8	1	Neg.	3,0	HM	DT1.06.012.08.0MR
6	12	70	10	1	Neg.	3,0	HM	DT1.06.012.10.0MR
6	20	70	6	1	0°	3,0	HM	DT1.06.020.06.0MR
6	22	75	12	1	Neg.	3,0	HM	DT1.06.022.12.0MR
6,4	12,7	64,5	6,4	1	Neg.	2,5	HM	DT1.06.012.06.5MR2
8	15	70	8	1	Neg.	3,0	HM	DT1.08.015.08.0MR
8	20	70	8	1	Neg.	3,0	HM	DT1.08.020.08.0MR
8	23	75	12	1	0°	3,0	HM	DT1.08.023.12.0MR
10	15	70	10	1	Neg.	3,0	HM	DT1.10.015.10.0MR
12	20	73	12	1	Neg.	3,0	HM	DT1.12.020.12.0MR

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DT2



Z2 | RH | LASER ABLATION

Technical details:

- Two full negative or straight PCD tips
- Body made from tungsten carbide hardness of 93,8 HRA or stainless steel
- Can be resharpened:
  H3 – (3-4 sharpening operations)

Application:



CUTTING | JOINTING | RABBETING | GROOVING

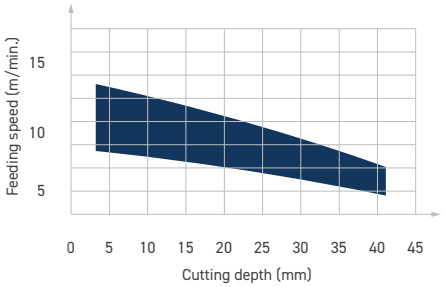
Materials:



RAW MDF	LAMINATED MDF	RAW CHIPBOARD	LAMINATED CHIPBOARD	FIBER CEMENT
●●●	●●●	●●●	●●●	●●●



GLASS FIBER/ CARBON FIBER	CORIAN® / HPL	PLYWOOD	LAMINATED PLYWOOD	ALUMINUM
●●○	●●○	●○○	●○○	●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
6	10	75	12	2	Neg.	3,0	HM	DT2.06.010.12.0MR
8	15	70	8	2	Neg.	3,0	HM	DT2.08.015.08.0MR
8	15	70	10	2	Neg.	3,0	HM	DT2.08.015.10.0MR
8	20	70	8	2	Neg.	3,0	HM	DT2.08.020.08.0MR

Table continued on the next page ▶

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
8	22	75	12	2	Neg.	3,0	HM	DT2.08.022.12.0MR
9	15	71,5	10	2	Neg.	2,5	HM	DT2.09.015.10.2MR
9	15	71,5	10	2	Neg.	2,5	HM	DT2.09.021.10.2MR
10	10	73	12	2	Neg.	3,0	HM	DT2.10.010.12.0MR
10	15	70	10	2	Neg.	3,0	HM	DT2.10.015.10.0MR
10	22	70	12	2	Neg.	3,0	HM	DT2.10.022.12.0MR
10	15	70	8	2	Neg.	3,0	HM	DT2.10.015.08.0MR
12	15	73	12	2	Neg.	3,0	HM	DT2.12.015.12.0MR
12	20	73	12	2	Neg.	3,0	HM	DT2.12.020.12.0MR
1/2"	5/8"	3"	1/2"	2	Neg.	2,5	HM	DT2.12.015.12.5MR

Sizes in inches:

D inch	I inch	L inch	S inch	Z	α	PCD H mm	BODY	ARTICLE
1/4	1/2	2 3/4	3/8	2	0°	2,5	HM	DT2.06.012.09.5MR
1/4	1/2	2 3/4	1/4	2	0°	2,5	HM	DT2.06.012.12.5MR
1/4	3/4	2 3/4	1/4	2	0°	2,0	HM	DT2.06.019.06.5MR
3/8	1/2	2 3/4	1/2	2	0°	2,5	HM	DT2.09.012.12.5MR
3/8	7/8	3	3/8	2	0°	3,0	HM	DT2.09.022.09.5MR

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Diamond Router Bits Z2 for LED LIGHTS

DT2
LED LIGHTS

NEW



Z2 | RH | LASER ABLATION

Technical details:

- Two full positive and negative PCD tips
- Body made from stainless steel
- Can be resharpened:
  H2 – (max. 2 sharpening operations)

Application:



GROOVING
LED

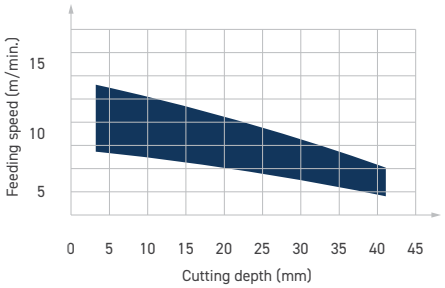
Materials:



RAW MDF	LAMINATED MDF	RAW CHIPBOARD	LAMINATED CHIPBOARD	FIBER CEMENT
●●●	●●●	●●●	●●●	●●●



GLASS FIBER/ CARBON FIBER	CORIAN® / HPL	PLYWOOD	LAMINATED PLYWOOD	ALUMINUM
●●○	●●○	●○○	●○○	●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
14	12	60	8	2	Pos.-Neg.	2,0	STAINLESS STEEL	DT2.14.012.08.0SR
15	12	60	8	2	Pos.-Neg.	2,0	STAINLESS STEEL	DT2.15.012.08.0SR
16	12	63	8	2	Pos.-Neg.	2,0	STAINLESS STEEL	DT2.16.012.08.0SR
17	12	60	8	2	Pos.-Neg.	2,0	STAINLESS STEEL	DT2.17.012.08.0SR
18	12	63	8	2	Pos.-Neg.	2,0	STAINLESS STEEL	DT2.18.012.08.0SR

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

DTS
positive-negative



Z2+1 | RH | LASER ABLATION

Technical details:

- Two full positive and negative PCD blades
- Body made from tungsten carbide hardness of 93,8 HRA, DENSIMET® or stainless steel
- Can be resharpened:
  H3,5 – (3-5 sharpening operations)
- PCD plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING | RABBETING | GROOVING

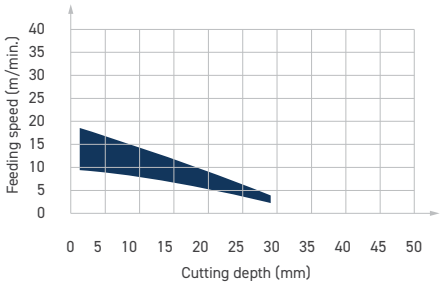
Materials:



RAW MDF	LAMINATED MDF	RAW CHIPBOARD	LAMINATED CHIPBOARD	FIBER CEMENT
●●●	●●●	●●●	●●●	●●●



GLASS FIBER/ CARBON FIBER	HPL	PLYWOOD	LAMINATED PLYWOOD	ALUMINUM
●●●	●●●	●●○	●●○	●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
8	15	70	8	2+1	Pos.-Neg.	3,5	HM	DTS.08.015.08.0MR
8	15	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.08.015.12.0DR
8	20	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.08.020.12.0DR

Table continued on the next page ▶

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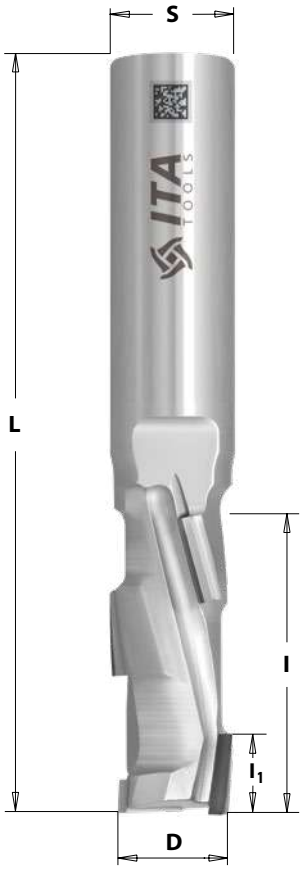
Diamond Router Bits Z2+1

D mm	I mm	L mm	S mm	Z	α	PCD H mm	BODY	ARTICLE
10	15	70	10	2+1	Pos.-Neg.	3,5	HM	DTS.10.015.10.0MR
10	15	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.10.015.12.0DR
10	20	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.10.020.12.0DR
12	15	70	12	2+1	Pos.-Neg.	3,5	HM	DTS.12.015.12.0MR
12	15	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.12.015.12.0DR
12	20	70	12	2+1	Pos.-Neg.	3,5	HM	DTS.12.020.12.0MR
12	20	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.12.020.12.0DR
12	25	70	12	2+1	Pos.-Neg.	3,5	DENSIMET®	DTS.12.025.12.0DR
1/2"	1"	3"	1/2"	2+1	Pos.-Neg.	3,5	HM	DTS.12.025.12.5MR
20	25	70	20	2+1	Pos.-Neg.	3,5	STAINLESS STEEL	DTS.20.025.20.0SR

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

DTA



Z1+1 | RH | LH

Technical details:

- One full PCD blade spread out on three helix wings
- Body made from stainless steel > 28 HRC or tungsten carbide hardness of 93,8 HRA
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- HM or PCD plunge tip at the bottom to drill

Application:



CUTTING | JOINTING | RABBETING

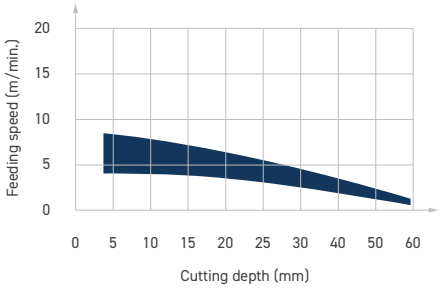
Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●○○



LAMINATED PLYWOOD ●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

TUNGSTEN CARBIDE body:

D mm	I mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
6	16	80	8	2 PCD + 1 HM	2,5	DTA.06.016.08.0MR	-
8	21	80	8	2 PCD + 1 HM	2,5	DTA.08.021.08.0MR	-
8	21	80	12	2 PCD + 1 HM	2,5	DTA.08.021.12.0MR	-

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

Diamond Router Bits Z1+1

D mm	I mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
8	27	80	8	3 PCD + 1 HM	2,5	DTA.08.027.08.0MR	DTA.08.027.08.0ML
8	36	80	8	4 PCD + 1 HM	2,5	DTA.08.036.08.0MR	DTA.08.036.08.0ML
10	27	80	10	3 PCD + 1 HM	2,5	DTA.10.027.10.0MR	-
12	27	80	12	3 PCD + 1 HM	2,5	DTA.12.027.12.0MR	-

STAINLESS STEEL body:

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
8	21	8	69	12	3 PCD + 1 HM	1,5	DTA.08.021.12.0SR	-
10	15	9,5	63	12	1 PCD + 1 HM	2,5	DTA.10.015.12.0SR	-
10	21	8	69	12	3 PCD + 1 HM	2,5	DTA.10.021.12.0SR	-
10	25	9,5	70	12	3 PCD + 1 HM	2,5	DTA.10.025.12.0SR	DTA.10.025.12.0SL
10	35	9,5	83	12	4 PCD + 1 HM	2,5	DTA.10.035.12.0SR	DTA.10.035.12.0SL
12	21	8	69	12	3 PCD + 1 HM	2,5	DTA.12.021.12.0SR	-
12	25	9,5	76	12	3 PCD + 1 HM	2,5	DTA.12.025.12.0SR	DTA.12.025.12.0SL
12	35	9,5	85	12	4 PCD + 1 HM	2,5	DTA.12.035.12.0SR	DTA.12.035.12.0SL
12	45	10,5	93	12	5 PCD + 1 HM	2,5	DTA.12.045.12.0SR	DTA.12.045.12.0SL
16	25	9,5	85	16	3 PCD + 1 HM	2,5	DTA.16.025.16.0SR	DTA.16.025.16.0SL
16	35	10,5	95	16	4 PCD + 1 HM	2,5	DTA.16.035.16.0SR	DTA.16.035.16.0SL
16	45	10,5	105	16	5 PCD + 1 HM	2,5	DTA.16.045.16.0SR	DTA.16.045.16.0SL
16	55	10,5	114	16	6 PCD + 1 HM	2,5	DTA.16.055.16.0SR	DTA.16.055.16.0SL
18	25	9,5	87	20	3 PCD + 1 HM	2,5	DTA.18.025.20.0SR	DTA.18.025.20.0SL
18	35	10,5	97	20	4 PCD + 1 HM	2,5	DTA.18.035.20.0SR	DTA.18.035.20.0SL
18	45	10,5	107	20	5 PCD + 1 HM	2,5	DTA.18.045.20.0SR	DTA.18.045.20.0SL
18	45	10,5	107	25	5 PCD + 1 HM	2,5	DTA.18.045.25.0SR	DTA.18.045.25.0SL
20	25	9,5	85	20	3 PCD + 1 HM	2,5	DTA.20.025.20.0SR	DTA.20.025.20.0SL
20	35	10,5	95	20	4 PCD + 1 HM	2,5	DTA.20.035.20.0SR	DTA.20.035.20.0SL
20	45	10,5	104	20	5 PCD + 1 HM	2,5	DTA.20.045.20.0SR	DTA.20.045.20.0SL
20	55	10,5	113	20	6 PCD + 1 HM	2,5	DTA.20.055.20.0SR	DTA.20.055.20.0SL
20	65	10,5	129	20	7 PCD + 1 HM	2,5	DTA.20.065.20.0SR	DTA.20.065.20.0SL
20	72	10,5	129	20	8 PCD + 1 HM	2,5	DTA.20.072.20.0SR	-
20	80	10,5	137	20	9 PCD + 1 HM	2,5	DTA.20.080.20.0SR	DTA.20.080.20.0SL

All sizes available with shank 12, 16, 18, 20, 25.

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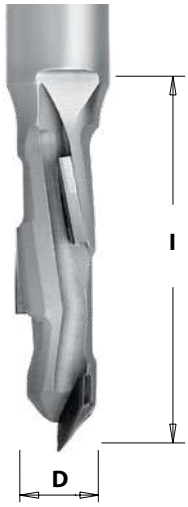
Sizes in inches:

D inch	I inch	S inch	TIPS	PCD H mm	ARTICLE RH
3/8	1 1/2	3/8	4 PCD + 1 HM	2,5	DTA.09.038.09.5SR
1/2	1	1/2	3 PCD + 1 HM	2,5	DTA.12.025.12.5SR
1/2	3 1/8	1/2	4 PCD + 1 HM	2,5	DTA.12.028.12.5SR
1/2	1 3/8	1/2	4 PCD + 1 HM	2,5	DTA.12.035.12.5SR
1/2	1 1/2	1/2	4 PCD + 1 HM	2,5	DTA.12.038.12.5SR
1/2	1 3/4	1/2	5 PCD + 1 HM	2,5	DTA.12.045.12.5SR
3/4	2	3/4	6 PCD + 1 HM	2,5	DTA.19.050.19.5SR



BSR with bearing:

D mm	I mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
12,7	27	81,5	8	3 PCD	2,5	DTA.12.027.08.BSR
12,7	27	81,5	12	3 PCD	2,5	DTA.12.027.12.BSR
12,7	36	91,5	12	4 PCD	2,5	DTA.12.036.12.BSR
12,7	44	99,5	12	5 PCD	2,5	DTA.12.044.12.BSR



VSR with steel body and PCD plunge tip angle 45°:

D mm	I mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
10	27	80	12	3+1 PCD	2,5	DTA.10.027.12.VSR
12	27	82	12	3+1 PCD	2,5	DTA.12.027.12.VSR
12	36	91	12	4+1 PCD	2,5	DTA.12.036.12.VSR
16	36	102	16	4+1 PCD	2,5	DTA.16.036.16.VSR
16	45	111	16	5+1 PCD	2,5	DTA.16.045.16.VSR

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DTB
PRO



Z1+1

RH

Technical details:

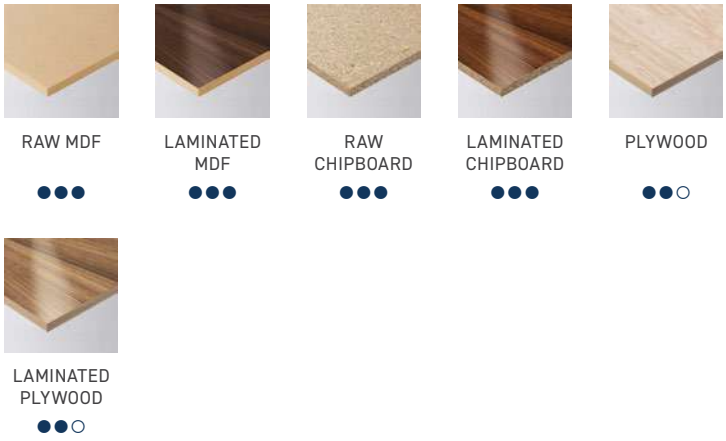
- One full PCD blade spread out on three helix wings
- Body made from stainless steel > 28 HRC
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Advanced version of Z1+1 router bit
- More agressive axial angles and better chip ejection
- HM plunge tip at the bottom to drill

Application:



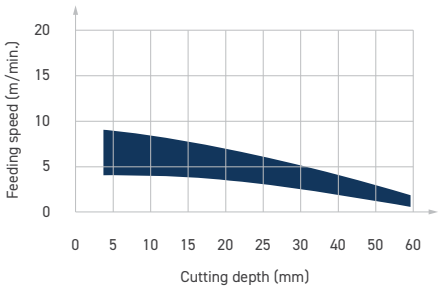
CUTTING | JOINTING | RABBETING

Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●○

LAMINATED PLYWOOD ●●○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
12	25	7,5	69	12	4 PCD + 1 HM	2,5	DTB.12.025.12.SSR
12	35	8	79	12	5 PCD + 1 HM	2,5	DTB.12.035.12.SSR

Table continued on the next page ▶

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Diamond Router Bits Z1+1 PRO

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
12	45	8,5	93	12	6 PCD + 1 HM	2,5	DTB.12.045.12.SSR
12,7	25	8	69	12,7	4 PCD + 1 HM	2,5	DTB.12.025.12.5SSR
16	25	8	85	16	4 PCD + 1 HM	2,5	DTB.16.025.16.SSR
16	35	8	95	16	5 PCD + 1 HM	2,5	DTB.16.035.16.SSR
16	45	8	105	16	6 PCD + 1 HM	2,5	DTB.16.045.16.SSR
16	55	8	114	16	7 PCD + 1 HM	2,5	DTB.16.055.16.SSR
20	25	8	85	20	4 PCD + 1 HM	2,5	DTB.20.025.20.SSR
20	35	8	95	20	5 PCD + 1 HM	2,5	DTB.20.035.20.SSR
20	45	8	104	20	6 PCD + 1 HM	2,5	DTB.20.045.20.SSR
20	55	8	113	20	7 PCD + 1 HM	2,5	DTB.20.055.20.SSR

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DTN



Z2+2 | RH | LH

Technical details:

- Two full PCD blades spread out on four helix wings
- Body made from stainless steel > 28 HRC
- Can be resharpened:
  H2,5 – (2-3 sharpening operations)
- HM plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING | RABBETING

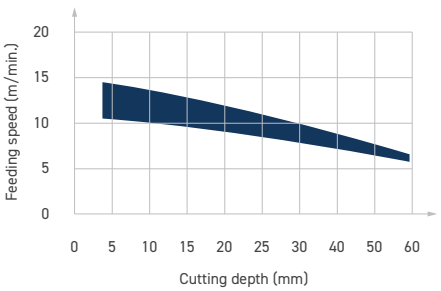
Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●○○



LAMINATED PLYWOOD ●○○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
12	25	9,5	78	12	6 PCD + 1 HM	2,5	DTN.12.025.12.0SR	DTN.12.025.12.0SL
12	25	9,5	87	16	6 PCD + 1 HM	2,5	DTN.12.025.16.0SR	DTN.12.025.16.0SL
12	25	9,5	89	20	6 PCD + 1 HM	2,5	DTN.12.025.20.0SR	DTN.12.025.20.0SL
12	35	9,5	97	12	8 PCD + 1 HM	2,5	DTN.12.035.12.0SR	DTN.12.035.12.0SL

Table continued on the next page ▶

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Diamond Router Bits Z2+2

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
12	35	9,5	94	12	8 DIA + 1 HM	2,5	DTN.12.035.12.0DR	DTN.12.035.12.0DL
12	35	9,5	99	20	8 PCD + 1 HM	2,5	DTN.12.035.20.0SR	DTN.12.035.20.0SL
16	25	9,5	87	16	6 PCD + 1 HM	2,5	DTN.16.025.16.0SR	DTN.16.025.16.0SL
16	25	9,5	87	20	6 PCD + 1 HM	2,5	DTN.16.025.20.0SR	DTN.16.025.20.0SL
16	35	10,5	96	16	8 PCD + 1 HM	2,5	DTN.16.035.16.0SR	DTN.16.035.16.0SL
16	35	10,5	97	20	8 PCD + 1 HM	2,5	DTN.16.035.20.0SR	DTN.16.035.20.0SL
16	45	10,5	104	16	10 PCD + 1 HM	2,5	DTN.16.045.16.0SR	DTN.16.045.16.0SL
16	45	10,5	104	20	10 PCD + 1 HM	2,5	DTN.16.045.20.0SR	DTN.16.045.20.0SL
16	55	10,5	114	16	12 PCD + 1 HM	2,5	DTN.16.055.16.0SR	DTN.16.055.16.0SL
18	25	9	84	20	6 PCD + 1 HM	2,5	DTN.18.025.20.0SR	DTN.18.025.20.0SL
18	35	10	97	20	8 PCD + 1 HM	2,5	DTN.18.035.20.0SR	DTN.18.035.20.0SL
18	45	10	104	20	10 PCD + 1HM	2,5	DTN.18.045.20.0SR	-
20	25	10	85	20	6 PCD + 1 HM	2,5	DTN.20.025.20.0SR	DTN.20.025.20.0SL
20	35	10	97	20	8 PCD + 1 HM	2,5	DTN.20.035.20.0SR	DTN.20.035.20.0SL
20	45	10	104	20	10 PCD + 1 HM	2,5	DTN.20.045.20.0SR	DTN.20.045.20.0SL
20	55	10	113	20	12 PCD + 1 HM	2,5	DTN.20.055.20.0SR	DTN.20.055.20.0SL
20	65	10	129	20	14 PCD + 1 HM	2,5	DTN.20.065.20.0SR	-
25	25	9	90	25	6 PCD + 1 HM	2,5	DTN.25.025.25.0SR	DTN.25.025.25.0SL

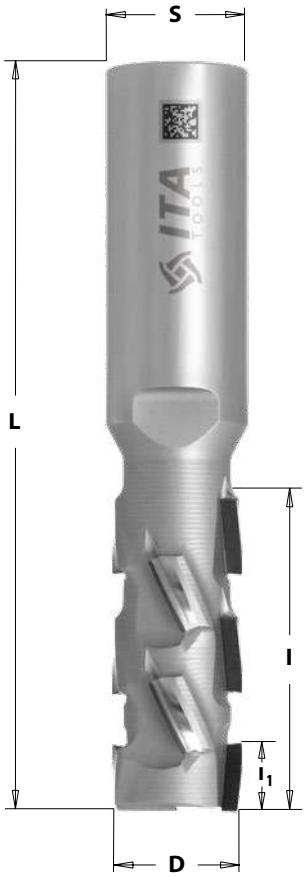
Sizes in inches:

D inch	I inch	L inch/mm	S inch/mm	Z	PCD H mm	ARTICLE RH
3/8	25	74	3/8	(6+1) PCD	2,5	DTN.09.025.09.5DR*
1/2	1	78	1/2	6PCD + 1HM	2,5	DTN.12.025.12.5SR
1/2	30	80	1/2	8PCD + 1HM	2,5	DTN.12.030.12.5SR
1/2	35	91	1/2	8PCD + 1HM	2,5	DTN.12.035.12.5SR
1/2	1 1/8	8,5	1/2	7PCD + 1HM	2,5	DTN.12.030.12.5SR
5/8	1 1/8	9	5/8	7PCD + 1HM	2,5	DTN.15.030.19.5SR
3/4	35	95	3/4	10PCD + 1HM	2,5	DTN.19.035.19.5SR
3/4	44	110	3/4	14PCD + 1HM	2,5	DTN.19.044.19.5SR
3/4	45	110	3/4	12PCD + 1HM	2,5	DTN.19.045.19.5SR
3/4	2	7,5	3/4	16PCD + 1HM	2,5	DTN.19.050.19.5SR

* DENSIMET® body

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

DTL
PRO



Z2+2 RH

Technical details:

- Two full PCD blades spread out on four helix wings
  Body made from stainless steel > 28 HRC
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Advanced version of Z2+2 router bit
- More agressive axial angles and better chip ejection
- PCD plunge at the bottom to drill

Application:



CUTTING | NESTING | JOINTING | RABBETING

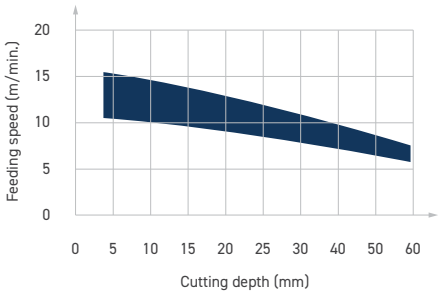
Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●○



LAMINATED PLYWOOD ●●○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
12	25	10,5	70	12	6+1 PCD	2,5	DTL.12.025.12.0SR
12	28	10,5	80	12	6+1 PCD	2,5	DTL.12.028.12.0SR
12	35	10,5	90	12	8+1 PCD	2,5	DTL.12.035.12.0SR

Table continued on the next page ▶

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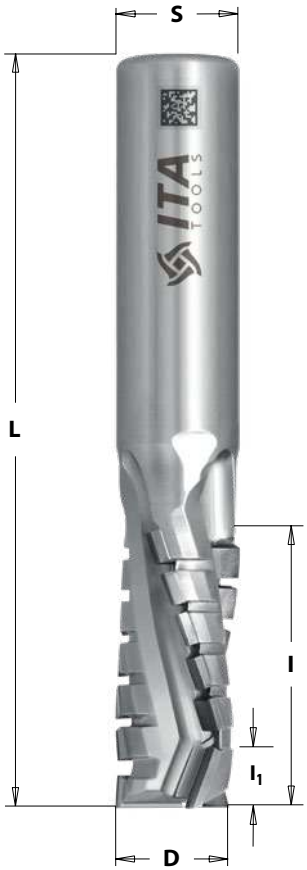
For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Diamond Router Bits Z2+2 PRO

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
12	43	10,5	105	12	10+1 PCD	2,5	DTL.12.043.12.0SR
12,7	25	10	76	12,7	6+1 PCD	2,5	DTL.12.025.12.5SR
12,7	35	10	94	12,7	8+1 PCD	2,5	DTL.12.035.12.5SR
16	25	10	70	16	6+1 PCD	2,5	DTL.16.025.16.0SR
16	28	10	80	16	6+1 PCD	2,5	DTL.16.028.16.0SR
16	35	10	90	16	8+1 PCD	2,5	DTL.16.035.16.0SR
16	43	10	105	16	10+1 PCD	2,5	DTL.16.043.16.0SR
18	25	10	85	20	6+1 PCD	2,5	DTL.18.025.20.0SR
18	35	10	90	20	8+1 PCD	2,5	DTL.18.035.20.0SR
18	43	10	105	20	10+1 PCD	2,5	DTL.18.043.20.0SR
18	52	10	115	20	12+1 PCD	2,5	DTL.18.052.20.0SR
20	25	10	85	20	6+1 PCD	2,5	DTL.20.025.20.0SR
20	28	10	80	20	6+1 PCD	2,5	DTL.20.028.20.0SR
20	35	10	90	20	8+1 PCD	2,5	DTL.20.035.20.0SR
20	43	10	105	20	10+1 PCD	2,5	DTL.20.043.20.0SR
20	52	10	115	20	12+1 PCD	2,5	DTL.20.052.20.0SR

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DTE
TURBO



Z3+1 | RH | LH | LASER ABLATION

Technical details:

- Three full PCD blades spread out on three helix wings
- Body from special stainless steel
- Can be resharpened:
  - H4 – (4-5 sharpening operations);
  - H4,5 – (5-6 sharpening operations)
- PCD plunge tip at the bottom to drill

Application:


CUTTING


JOINTING

Materials:


RAW MDF ●●●

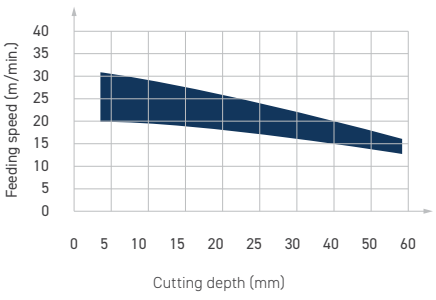

LAMINATED MDF ●●●


RAW CHIPBOARD ●●●


LAMINATED CHIPBOARD ●●●


PLYWOOD ●●○


LAMINATED PLYWOOD ●●○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

STAINLESS STEEL body:

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
18	35	7	97	20	19+1 PCD	4,5	DTE.18.035.20.0SR	-
18	45	7	107	20	25+1 PCD	4,5	DTE.18.045.20.0SR	-
20	25	7	86	20	14+1 PCD	4,5	DTE.20.025.20.0SR	DTE.20.025.20.0SL

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Diamond Router Bits Z3+1 – TURBO

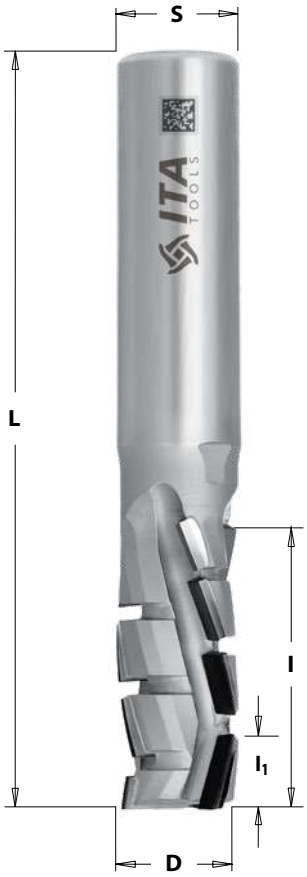
D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH	ARTICLE LH
20	35	7	96	20	19+1 PCD	4,5	DTE.20.035.20.0SR	DTE.20.035.20.0SL
20	40	7	101	20	22+1 PCD	4,5	DTE.20.040.20.0SR	DTE.20.040.20.0SL
20	45	7	111	20	26+1 PCD	4,5	DTE.20.045.20.0SR	DTE.20.045.20.0SL
20	50	7	110	20	28+1 PCD	4,5	DTE.20.050.20.0SR	DTE.20.050.20.0SL
20	55	7	116	20	31+1 PCD	4,5	DTE.20.055.20.0SR	-
20	65	7	130	20	38+1 PCD	4,5	DTE.20.065.20.0SR	DTE.20.065.20.0SL
25	25	7	88	20	14+1 PCD	4,5	DTE.25.025.20.0SR	DTE.25.025.20.0SL
25	35	7	96	25	20+1 PCD	4,5	DTE.25.035.25.0SR	DTE.25.035.25.0SL
25	45	7	111	20	26+1 PCD	4,5	DTE.25.045.20.0SR	DTE.25.045.20.0SL
25	45	7	111	25	26+1 PCD	4,5	DTE.25.045.25.0SR	DTE.25.045.25.0SL
25	65	7	130	25	38+1 PCD	4,5	DTE.25.065.25.0SR	-

Sizes in inches:

D inch	I inch	I_1 mm	S inch	TIPS	PCD H mm	ARTICLE RH
5/8"	1 1/8"	7	3/4"	11+1 PCD	4,0	DTE.16.027.19.5SR
3/4"	1 5/8"	7	3/4"	22+1 PCD	4,5	DTE.19.040.19.5SR
3/4"	2"	6,5	3/4"	18+1 PCD	4,0	DTE.19.049.19.5SR

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DTE
TURBO NESTING



Z3+1 | RH | LH | LASER ABLATION

Technical details:

- Three full PCD blades spread out on three helix wings
- Body made from special stainless steel
- Can be resharpened:
  H3 – (3-4 sharpening operations),
  H3,5 – (3-5 sharpening operations)
- PCD plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING

Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●●



LAMINATED PLYWOOD ●●●

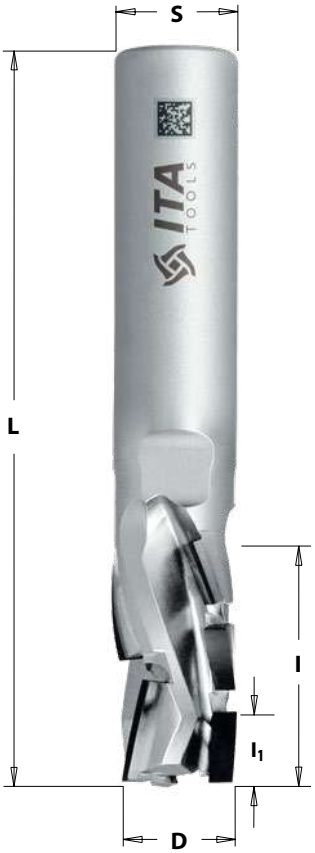
STAINLESS STEEL body:

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	ARTICLE RH
16	20	9,5	81	20	7+1 PCD	3,5	DTE.16.020.20.NSR
16	25	9,5	85	16	8+1 PCD	3,0	DTE.16.025.16.NSR
16	35	9,5	96	16	11+1 PCD	3,0	DTE.16.035.16.NSR

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DTE



Z3+1 | RH | LASER ABLATION

Technical details:

- Three full PCD blades spread out on three helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING

Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●○



LAMINATED PLYWOOD ●●○

DENSIMET® body:

D mm	I mm	I_1 mm	L mm	S mm	TIPS	PCD H mm	α	ARTICLE RH
10	22	10	70	12	8+1 PCD	2,5	Negative	DTE.10.022.12.0DR
12	20	10	68	12	7+1 PCD	2,5	Negative	DTE.12.020.12.0DR
12	22	10	70	12	7+1 PCD	2,5	Negative	DTE.12.022.12.0DR
12	22	10	70	12	7+1 PCD	2,5	Positive	DTE.12.022.12.2DR
12	25	10,5	75	12	9+1 PCD	2,5	Negative	DTE.12.025.12.1DR
12	27	10	75	12	9+1 PCD	2,5	Negative	DTE.12.027.12.0DR
12	35	10	83	12	11+1 PCD	2,5	Negative	DTE.12.035.12.0DR
12,7	28	10	76	12,7	11+1 PCD	2,5	Negative	DTE.12.028.12.5DR
12,7	28	10	76	12,7	11+1 PCD	2,5	Negative	DTE.12.028.12.5DR

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Diamond Router Bits Z2+2 for Nesting

DTF
negative / positive



Z2+2 | RH | LASER ABLATION

Technical details:

- Two full PCD blades spread out on four helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING

Materials:



RAW MDF ●●● | LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●●



LAMINATED PLYWOOD ●●●

Negative Z2+2

arrangement of tips



D mm	I mm	I_1 mm	L mm	S mm	Z	TIPS	PCD H mm	MATERIAL H mm	ARTICLE RH
12	19	7	64	12	2+2	5+1 PCD	2,5	10-18	DTF.12.019.12.0DRN
12	21	7	70	12	2+2	7+1 PCD	2,5	11-20	DTF.12.021.12.0DRN
12	24	7	69	12	2+2	7+1 PCD	2,5	10-22	DTF.12.024.12.0DRN
16	25	7,5	84	16	2+2	7+1 PCD	3	10-22	DTF.16.025.16.0DRN
16	35	7	94	16	2+2	17+1 PCD	2,5	10-33	DTF.16.035.16.0DRN

Positive Z2+2

arrangement of tips



D mm	I mm	I_1 mm	L mm	S mm	Z	TIPS	PCD H mm	MATERIAL H mm	ARTICLE RH
12	19	7	64	12	2+2	5+1 PCD	2,5	16-18	DTF.12.019.12.0DRP
12	21	7	70	12	2+2	7+1 PCD	2,5	18-20	DTF.12.021.12.0DRP
12	24	7	69	12	2+2	7+1 PCD	2,5	19-22	DTF.12.024.12.0DRP

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DTM



Z3+3 | RH | LASER ABLATION

Technical details:

- Three full PCD blades spread out on six helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

Application:



CUTTING | NESTING | JOINTING

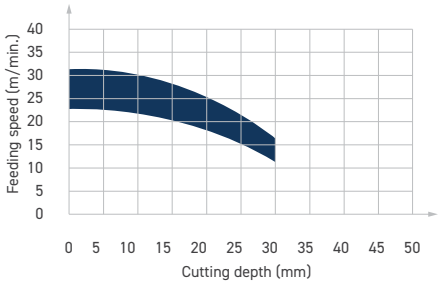
Materials:



LAMINATED MDF ●●● | RAW CHIPBOARD ●●● | LAMINATED CHIPBOARD ●●● | PLYWOOD ●●● | LAMINATED PLYWOOD ●●●



RAW MDF ●●○



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

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Diamond Router Bits Z3+3 for Nesting

Negative Z3+3

arrangement of tips 

D mm	I mm	I_1 mm	L mm	S mm	Z	TIPS	PCD H mm	MATERIAL H mm	ARTICLE RH
12	19	8	64	12	3+3	8+1 PCD	2,5	10-19	DTM.12.019.12.1DRN
12	21	7	66	12	3+3	8+1 PCD	2,5	10-20	DTM.12.021.12.1DRN
12	24	8	69	12	3+3	11+1 PCD	2,5	10-22	DTM.12.024.12.1DRN
12	25	8	75	12	3+3	11+1 PCD	2,5	10-22	DTM.12.025.12.1DRN*
16	25	7	84	16	3+3	11+1 PCD	2,5	10-22	DTM.16.025.16.1DRN
16	35	7	94	16	3+3	17+1 PCD	2,5	10-33	DTM.16.035.16.1DRN
12,7	25,4	7	70	12,7	3+3	12+1 PCD	2,5	10-33	DTM.12.025.12.5DRN

NEW

Cutter adapted to work with additional dust extraction unit – check sheet 142

Positive Z3+3

arrangement of tips 

D mm	I mm	I_1 mm	L mm	S mm	Z	TIPS	PCD H mm	MATERIAL H mm	ARTICLE RH
12	19	8	64	12	3+3	8+1 PCD	2,5	16-18	DTM.12.019.12.1DRP
12	21	7	66	12	3+3	8+1 PCD	2,5	18-20	DTM.12.021.12.1DRP
12	24	8	69	12	3+3	11+1 PCD	2,5	19-22	DTM.12.024.12.1DRP
16	25	7	84	16	3+3	11+1 PCD	2,5	19-22	DTM.16.025.16.1DRP
16	35	7	94	16	3+3	17+1 PCD	2,5	30-33	DTM.16.035.16.1DRP

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

DTC



Z2+2 | Z3+3 | RH | LASER ABLATION

Technical details:

- Z2+2 – 2 full PCD blades spread out on four helix wings
- Z3+3 – 3 full PCD blades spread out on six helix wings
- Body made from special stainless steel > 28 HRC
- Can be resharpened: H4,5 (5-6 sharpening operations)
- Axial angle 35°

Application:



CUTTING



JOINTING

Materials:



RAW MDF ●●●



LAMINATED MDF ●●●



RAW CHIPBOARD ●●●



LAMINATED CHIPBOARD ●●●



PLYWOOD ●●○



LAMINATED PLYWOOD ●●○

D mm	I mm	L mm	S mm	Z	TIPS	PCD H mm	ARTICLE RH
20	28	93	20x50	2+2	8+1 PCD	4,5	DTC.20.028.20.1SR
20	28	93	20x50	3+3	12+1 PCD	4,5	DTC.20.028.20.2SR
20	35	100	20x50	2+2	10+1 PCD	4,5	DTC.20.035.20.1SR
20	35	100	20x50	3+3	15+1 PCD	4,5	DTC.20.035.20.2SR

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DTJ



Z4+2+4 | RH | LH | LASER ABLATION

Technical details:

- Variety of tips configuration
- Body made from special stainless steel > 28 HRC
- Can be resharpened: H6 (5-6 sharpening operations)
- PCD tip at the bottom to drill
- Fast feed rate and quiet work
- Axial angle 45°

Application:



JOINTING

Materials:



RAW MDF ●●●



LAMINATED MDF ●●●



RAW CHIPBOARD ●●●



LAMINATED CHIPBOARD ●●●



PLYWOOD ●●●



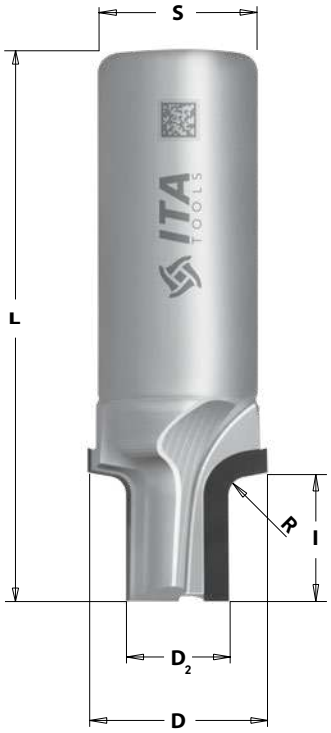
LAMINATED PLYWOOD ●●●

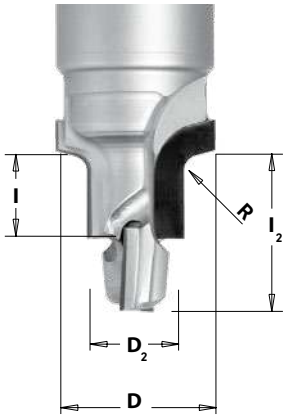
D mm	I mm	L mm	S mm	Z	TIPS	RH/LH	ARTICLE
50	48	107	25	4+2+4	24	RH	DTJ.50.048.25.1SR6
50	48	107	25	4+2+4	24	LH	DTJ.50.048.25.1SL6

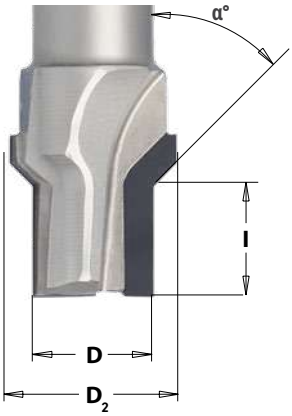
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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

FDI | FDT







Z2 | Z2+2 | Z2+1 | LASER ABLATION

Technical details:

- Two full PCD blades
- Body made from stainless steel > 28 HRC
- Can be resharpened:
  H3 – (3-4 sharpening operations),
  H4 – (3-5 sharpening operations)

Application:


NESTING


CUTTING

Materials:


RAW MDF ●●●


LAMINATED MDF ●●●


RAW CHIPBOARD ●●●


LAMINATED CHIPBOARD ●●●

FDI Z2:

D mm	D_2 mm	I mm	L mm	S mm	Z	R mm	PCD H mm	ARTICLE RH
18	8	18,7	105	20x70	2	3	2,5	FDI.18.018.20.0SR
18	8	18,4	75	20x50	2	1	2,5	FDI.18.018.20.SR1
18	8	18,6	75	20x50	2	2	2,5	FDI.18.018.20.SR2
18	8	18,7	75	20x50	2	3	2,5	FDI.18.018.20.SR3
23	12	18,30	80	20x50	2+1	3	3,0	FDI.23.018.20.0SR
23	12	18	79	20x50	2+1	3	3,0	FDI.23.018.20.0SR
26	16	16	75	20x50	2	3	4,0	FDI.26.016.20.0SR
26	1	24	84	20x50	2	3	4,0	FDI.28.024.20.0SR
30	16	18	83	16x50	2	5	4,0	FDI.30.018.16.0SR

FDI Z2+2:

D mm	D_2 mm	I mm	L mm	S mm	Z	R mm	PCD H mm	ARTICLE RH
20	12	20	79	20x50	2+2	2	4,0	FDI.20.019.20.0SR
22	12	19	79	20x50	2+2	3	4,0	FDI.22.019.20.0SR

FDT Z2:

D mm	D_2 mm	I mm	L mm	S mm	Z	α	PCD H mm	ARTICLE RH
12	6	7	80	12x50	2	45°	3,5	FDT.22.017.16.0SR
22	16	17	80	16x50	2	45°	4,0	FDT.22.017.16.0SR

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FDP





Z2+2 | Z3 | Z3+1 | LASER ABLATION

Technical details:

- Full double/triple PCD tips
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Can be resharpened:
  H4 – (4-5 sharpening operations),
  H6 – (5-6 sharpening operations)

Application:



PLANNING

Materials:



RAW MDF ●●●



LAMINATED MDF ●●●



RAW CHIPBOARD ●●●



LAMINATED CHIPBOARD ●●●

D mm	I mm	L mm	S mm	Z	PCD H mm	α	ARTICLE RH
20	15	80	20x50	3+1	4,0	Neg.	FDP.20.015.20.1SR
30	14	75	20x50	2+2	4,0	Neg.	FDP.30.014.20.0SR
40	14	75	20x50	2+2	4,0	Neg.	FDP.40.014.20.0SR
50	14	75	20x50	2+2	4,0	Pos.	FDP.50.014.20.1SR
60	14	75	20x50	2+2	4,0	Neg.	FDP.60.014.20.0SR
80	8	70	20x50	3	6	Pos.	FDP.80.008.20.1SR
80	8	70	20x50	3	6	Neg.	FDP.80.008.20.0SR

D	Feeding speed/RPM	H
20-40	6-12 m/18 000	max. 6 mm
50-60	6-12 m/16 000	max. 4 mm
80	6-12 m/14 000	max. 2 mm

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

FDH



Z1 | Z2 | Z2+2+1 | LASER ABLATION

Technical details:

- Full double PCD tips
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ⩽0,3 µm
- Can be resharpened: H4 – (4-5 sharpening operations)

Application:



CHAMFERING

Materials:



RAW MDF ●●●



LAMINATED MDF ●●●



RAW CHIPBOARD ●●●



LAMINATED CHIPBOARD ●●●

D mm	l mm	L mm	S mm	Z	α	PCD H mm	ARTICLE RH
22	11	75	16x50	1	45°	4,0	FDH.22.011.16.0SR
30	15	95	20x50	2	45°	4,0	FDH.30.015.20.4SR
38	9	75	20x50	2	25°	4,0	FDH.38.009.20.0SR
35	10	75	16x50	2	30°	4,0	FDH.35.010.16.0SR
50	8	75	20x50	2	18°	4,0	FDH.50.008.20.0SR
50	25	90	20x50	2+2+1	45°	4,0	FDH.50.025.20.0SR



D mm	D_2 mm	l mm	l_2 mm	L mm	S mm	Z	α	PCD H mm	ARTICLE RH
12	2	5	11	55	12x40	2	45°	4,0	FDH.12.005.12.1SR
30	10	10	13,7	70	20x50	2	45°	4,0	FDH.30.010.20.1SR
33	3	15	17,5	71	20x50	2	45°	4,0	FDH.33.015.20.0SR

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FWP





HM | Z3 | Z2 | RH | EXCHANGEABLE PLATES

Techincal details:

- Body made from stainless steel > 28 HRC
- Two [Z2] / Three [Z3] cutting edges with exchangeable HM knives

Application:



PLANNING

Materials:



RAW MDF ●●●



LAMINATED MDF ●●●



RAW CHIPBOARD ●●●



LAMINATED CHIPBOARD ●●●

D mm	I mm	L mm	S mm	Z	ARTICLE RH
35	10	60	8x40	3	FWP.035.010.08.0SR
38	12	60	12x40	3	FWP.038.012.12.0SR
60	12	80	12x50	3	FWP.060.012.12.0SR
80	12	90	20x50	3	FWP.080.012.20.0SR

Spare parts:

	GRADE	
105105	MG18	SM4.6.8.T15.01
412124	SMG02	SM4.6.8.T15.02

D mm	I mm	L mm	S mm	Z	ARTICLE RH
58	12	85	20x50	2	FWP.058.012.20.0SR

Spare parts:

	GRADE	
330124	MG06	SM3.8

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FWH

NEW

VHM | Z1 | Z2 | RH | EXCHANGEABLE PLATES



Technical details:

- One or two changeable knives
- Body made from stainless steel

Application:



CHAMFERING

Materials:



SOFT SOLID WOOD ●●●
HARD SOLID WOOD ●●●
RAW MDF ●●●
PLYWOOD ●●○
RAW CHIPBOARD ●●○

D mm	I mm	L mm	S mm	Z	α	ARTICLE RH		Knife Q-ty		Screw Q-ty
22,8	24,5	65	12	1	50°	FWH.022.024.065.12R	KDR.052.30	1	SP.M3,5x4,8	1
31	22,1	66	12	1	70°	FWH.031.022.066.12R	KDR.052.30	1	SP.M3,5x4,8	1
38,4	19	76,5	12	1	91°	FWH.038.019.076.12R	KDR.050.03	1	SP.M3,5x4,8	2
41,2	17,3	81	12	1	100°	FWH.041.017.081.12R	KDR.050.03	1	SP.M3,5x4,8	2
44,2	15,5	81	12	1	110°	FWH.044.015.081.12R	KDR.050.03	1	SP.M3,5x4,8	2
50	44,6	111	20	1	60°	FWH.050.044.111.20R	KDR.050.02	1	SP.M4x6	2
51,6	14,7	77,7	12	2	120°	FWH.051.014.077.12R	KDR.050.06	2	SP.M4x5,6	4
54	12,7	77	12	2	130°	FWH.054.012.077.12R	KDR.050.06	2	SP.M4x5,6	4
57,6	7,6	75	12	2	150°	FWH.057.007.075.12R	KDR.050.05	2	SP.M4x5,6	4
58,7	5	70,7	12	2	160°	FWH.058.005.070.12R	KDR.050.06	2	SP.M4x5,6.1	4
66	33	97	20	1	90°	FWH.066.033.097.20R	KDR.050.01	1	SP.M4x6	2
67	33	97	20	1	91°	FWH.067.033.097.20R	KDR.050.01	1	SP.M4x6	2
86,6	25	97,5	20	2	120°	FWH.086.025.097.20R	KDR.050.04	2	SP.M4x5,6.1	4
90,6	20,8	99	20	2	130°	FWH.090.020.099.20R	KDR.050.04	2	SP.M4x5,6.1	4

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SOLID CARBIDE SPIRAL BITS



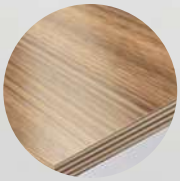
Premium class carbide.
Increased tool life.



Dedicated materials.
The variety of hardness of raw materials allows choosing the right tool depending on the processed material.



Possibility of using variety of coatings.
The coating increases the tool life several times and also reduces friction, which significantly reduces heating of the tool during operation.



Ideal for machining wood and wood-based materials.

Chapter

Solid Carbide Router Bits



SA01 series
Z1
finishing
upcut

p. 61



SB01 series
Z2
finishing
upcut

p. 62



SB51 series
Z2
finishing
downcut

p. 64



SC01 series
Z3
finishing
upcut

p. 66



SC51 series
Z3
finishing
downcut

p. 68



SC03 series
Z3
finishing
upcut

p. 70



SC23 series
Z3
finishing
upcut

p. 71



SF01 series
Z3R
roughing
upcut

p. 72



SF01.TR
SF01.XR series
Z3R
roughing
upcut

p. 74



SF05
SF30 series
Z3R
roughing

p. 75



SF51 series
Z3R
roughing
downcut

p. 77



SH01 series
Z4
finishing -
roughing
upcut

p. 79



SL01 **Z1+1**
SM01 **Z2+2**
SN01 **Z3+3**
finishing
roughing
compression

p. 80



X90 PRO
Z2+2, Z3+3
nesting
compression

p. 84



X99 PRO
NEXCUT
Z2+6
nesting
compression

NEW

p. 86



SI01 series
Z2
ball nose

p. 87



SQ29 series
Z2
tappered
ball nose

NEW

p. 88



SY01 series
Z2
finishing
straight

NEW

p. 89



FVI series
Z2
rounding

p. 90



XZ3 series
Z3
straight

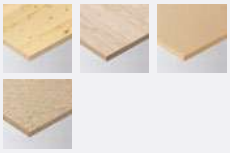
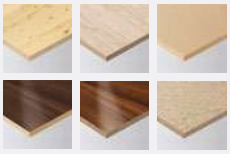
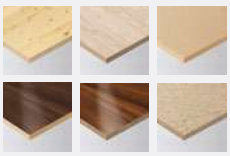
NEW

p. 91



B2B For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

VHM Nesting Cutters Handbook

SERIES	Z	WORKING PARAMETERS	MATERIAL	COATING	TOOLS LIFE	PHOTO
SM01 page 80-81	2+2	ø8 – 4-6m/min ø10 – 6-8m/min ø12 – 8-12m/min RPM 18.000-24.000			●	
SM01 TiSiN page 82-83	2+2	ø8 – 6-8m/min ø10 – 8-12m/min ø12 – 12-16m/min RPM 18.000-24.000		TiSiN	●●	
SN01 page 80-81	3+3	ø10 – 12-16m/min ø12 – 14-20m/min ø16 – 16-25m/min RPM 18.000-24.000			●	
X90 page 84	2+2	ø8 – 8-14m/min ø10 – 12-16m/min ø12 – 13-18m/min RPM 18.000-24.000		PLATINUM	●●●	
X90 page 84	3+3	ø10 – 13-20m/min ø12 – 15-22m/min RPM 18.000-24.000		PLATINUM	●●●	
X99 page 86 NEXCUT	2+6	ø10 15-23m/min ø12 17-26m/min ø16 18-30m/min RPM 18.000-24.000		PLATINUM	●●●	

Materials:



SOFT SOLID WOOD | LAMINATED MDF | RAW MDF | LAMINATED CHIPBOARD | RAW CHIPBOARD | PLYWOOD

PROTECTIVE COATING:

A coating is a layer that covers the surface of an object. Its main function is to protect or improve the mechanical, physical or chemical properties of the tool.

For tribological coatings that are mainly used to optimize friction coefficient, the thickness is usually between 1 to 5 microns.



Advantages of using protective coatings on tools are as follows:

- Tools become more resistant to abrasion
- Friction coefficient is reduced
- Corrosion resistance of the tools is increased
- Tool wear is slowed down, which leads to longer tool life
- Adhesion of the processed material to the surface is reduced
- Operating parameters such as feed and rotational speed can be increased, compared to uncoated tools
- Work optimization is increased by reducing downtime needed for tool replacement.

Coating Specification:

NAME	HARDNESS GPa	HARDNESS HV 0,05	FRICTION COEFFICIENT	COATING THICKNESS µm	INDEX
AlTiN	33	3350	0,5	1-4	**.ATR**
TiSiN	35	3570	0,5	1-4	**.TSR**
NaDia	36	3650	0,01-0,05	1-4	**.XTR**
PLATINUM	30	3000	0,2	1-4	**.PR**
HC	50-60	5000-6000	0,1-0,2	1-2	**.HCR**

Application:

MATERIALS	TiSiN	AlTiN	NaDia	PLATINUM	HC
Solid Wood	★	-	★	★	★
Chipboard	★	-	★	★	★
Plywood	★	-	★	★	★
Aluminum	-	★	★	-	★
Plastics	★	★	★	-	★
Composites	-	★	★	-	★

★ – Recommended coating

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AlTiN Coating



Specification:

- Colour: Anthracite
- Hardness: 5000-6000[HV 0,05]
- Thickness: 1-2[µm]
- Ffriction coefficient: 0,1-0,2
- Index: .HCR/L

Application:

- Automotive industry
- Airline industry
- Production of injection molds

Information:

The HC coating is known for its high hardness, which makes it perfect for processing aluminum alloys and composite materials. It is thinner than standard PVD coatings, resulting in a sharper cutting edge. Moreover, it enhances the heat resistance of the tool by reducing the coefficient of friction and preventing the material being processed from sticking to the tool.

TiSiN Coating



Specification:

- Colour: Copper-like
- Hardness: 3570 [HV 0,05]
- Thickness: 1-4 [µm]
- Friction coefficient: 0,5
- Index: .TSR

Application:

- Solid wood
- Laminated chipboard
- Plywood
- Aluminum
- Plastics

Information:

The coating exhibits excellent wear resistance even at high temperatures, allowing for prolonged tool life and reduced need for replacement.

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NaDia Coating



Specification:

- Colour: Black
- Hardness: 3650 [HV 0,05]
- Thickness: 1-4 [µm]
- Friction coefficient: 0.01-0.05
- Index: .XTR

Application:

- Solid wood
- Laminated chipboard
- Plywood
- Aluminum
- Plastics

Information:

The coating has been developed to meet the specific needs of the wood industry. It is highly durable and can also be used in the processing of aluminum and plastics. This coating is unique in that it is applied at low temperatures, resulting in increased hardness and a lower friction coefficient.

PLATINIUM Coating



Specification:

- Colour: Nonuniform (gold, purple, blue)
- Hardness: 3000 [HV 0,05]
- Thickness: 1-4 [µm]
- Friction coefficient: 0.02
- Index: .PR

Application:

- MDF
- Laminated chipboard
- Chipboard
- Plywood

Information:

Introducing an innovative two-layer PVD coating designed specifically for processing hard materials. This unique combination of hard and tribological layers allows for the optimization of the friction coefficient, significantly reducing the sticking of processed materials on the tool surface. By applying this coating, you can extend the life of your tool significantly while achieving the highest quality results after processing.

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HC Coating



Specification:

- Colour: Gray
- Hardness: 3350 [HV 0,05]
- Thickness: 1-4 [µm]
- Friction coefficient: 0,5
- Index: .ATR

Application:

- Aluminum
- Plastics
- Composite materials

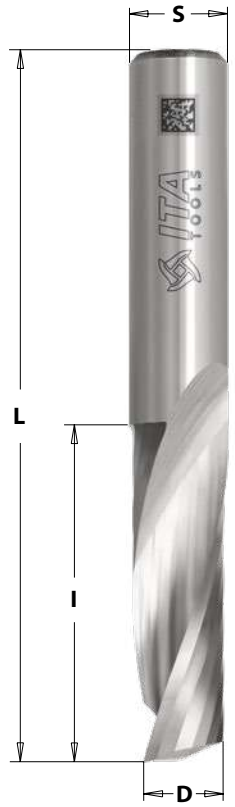
Info:

Coating with hardness and high player performance. Available in aluminum alloys with a higher admixture of silicon, the additional coating slows down the process of tool use and the sticking of cuttings to the cutting edges.

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

SA01 – 198
positive



VHM **Z1** **RH**

Technical details:
- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●

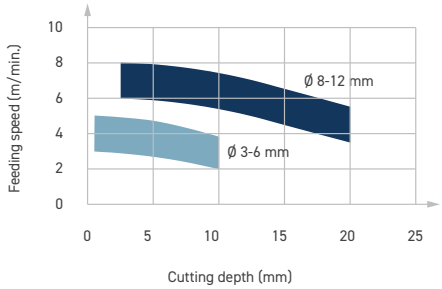

HARD SOLID WOOD ●●●


RAW MDF ●●○


PLYWOOD ●●○


RAW CHIPBOARD ●○○

Ø 3-12 mm | Soft wood



RPM: 18000 - 24000
Correction factor:
- hardwood = 0,9
- milling across fiber = 0,7
- raw chipboard = 1,1

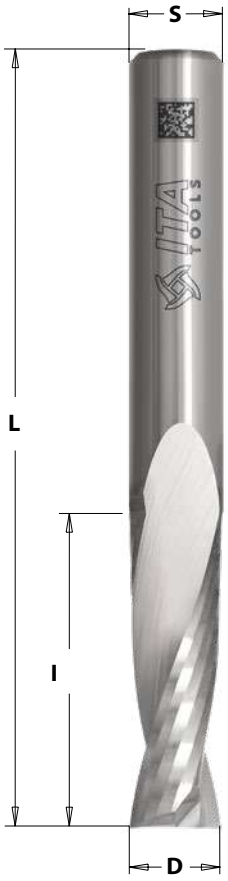
Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	L mm	S mm	ARTICLE
3	12	50	3	SA01.03.012.050.03R
3	32	70	3	SA01.03.032.070.03R
4	15	50	4	SA01.04.015.050.04R
5	17	50	5	SA01.05.017.050.05R
6	22	60	6	SA01.06.022.060.06R
8	22	70	8	SA01.08.022.070.08R
10	32	70	10	SA01.10.032.070.10R
10	42	80	10	SA01.10.042.080.10R
10	52	90	10	SA01.10.052.090.10R
12	32	83	12	SA01.12.032.083.12R

Detailed information on protective coatings can be found on pages: 57-60.

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SB01 – 191
positive



VHM **Z2** **RH** **LH**

Technical details:
- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●

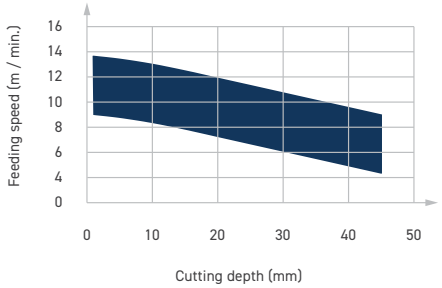

HARD SOLID WOOD ●●●


RAW MDF ●●○


PLYWOOD ●●○


RAW CHIPBOARD ●○○

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- hardwood = 0,9
- milling across of fiber = 0,7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
2	9	50	6	SB01.02.009.050.06R	-
3	12	50	3	SB01.03.012.050.03R	SB01.03.012.050.03L
3	12	60	6	SB01.03.012.060.06R	SB01.03.012.060.06L
3	12	60	8	SB01.03.012.060.08R	SB01.03.012.060.08L
3	22	70	6	SB01.03.022.070.06R	-
4	15	50	4	SB01.04.015.050.04R	SB01.04.015.050.04L
4	15	60	6	SB01.04.015.060.06R	SB01.04.015.060.06L
4	15	60	8	SB01.04.015.060.08R	SB01.04.015.060.08L
4	27	70	6	SB01.04.027.070.06R	-

Table continued on the next page ▶

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For more tool dimensions, log in to our B2B System b2b-itatools.pl

D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	17	50	5	SB01.05.017.050.05R	SB01.05.017.050.05L
5	17	60	6	SB01.05.017.060.06R	SB01.05.017.060.06L
5	17	60	8	SB01.05.017.060.08R	SB01.05.017.060.08L
6	22	60	6	SB01.06.022.060.06R	-
6	27	70	6	SB01.06.027.070.06R	SB01.06.027.070.06L
6	27	70	8	SB01.06.027.070.08R	SB01.06.027.070.08L
7	32	80	8	SB01.07.032.080.08R	SB01.07.032.080.08L
8	22	70	8	SB01.08.022.070.08R	-
8	32	80	8	SB01.08.032.080.08R	SB01.08.032.080.08L
8	42	90	8	SB01.08.042.090.08R	SB01.08.042.090.08L
9	32	83	12	SB01.09.032.083.12R	-
10	32	80	8	SB01.10.032.080.08R	-
10	32	80	10	SB01.10.032.080.10R	SB01.10.032.080.10L
10	32	83	12	SB01.10.032.083.12R	-
10	42	90	10	SB01.10.042.090.10R	SB01.10.042.090.10L
10	42	90	12	SB01.10.042.090.12R	-
12	35	83	8	SB01.12.035.083.08R	-
12	35	83	12	SB01.12.035.083.12R	SB01.12.035.083.12L
12	42	90	12	SB01.12.042.090.12R	-
12	52	100	12	SB01.12.052.100.12R	-
16	35	90	16	SB01.16.035.090.16R	-
20	60	120	20	SB01.20.060.120.20R	-

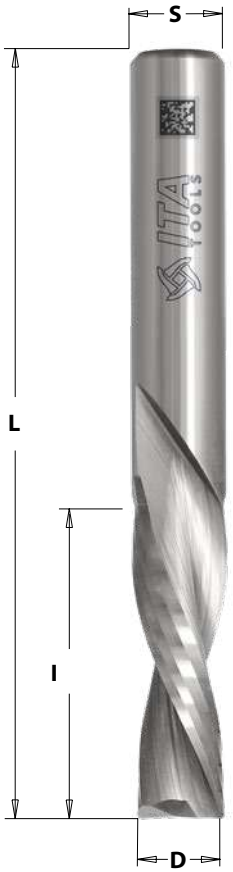
Sizes in inches:

D inch	I inch	L inch	S inch	ARTICLE RH	ARTICLE LH
1/8	1/2	2	1/4	SB01.32.127.508.64R	-
1/4	3/4	2	1/4	SB01.64.191.508.64R	SB01.64.191.508.64L
1/2	1-1/2	3-1/2	1/2	SB01.13.381.889.13R	-

Detailed information on protective coatings can be found on pages: 57-60.

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SB51 – 192
negative



VHM **Z2** **RH**

Technical details:

- 2 flute spiral cutter
- Negative – downward chip ejection
- Finishing geometry

Application:



CUTTING | JOINTING | RABBETING | GROOVING

Materials:

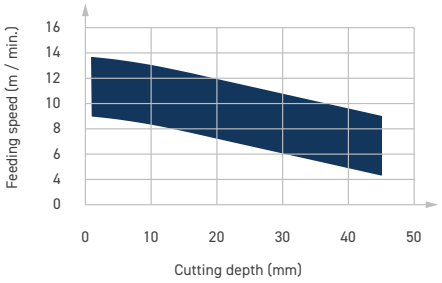


SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●○ | RAW CHIPBOARD ●●○ | PLYWOOD ●●○



LAMINATED MDF ●○○ | LAMINATED CHIPBOARD ●○○ | LAMINATED PLYWOOD ●○○

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- hardwood = 0,9
- milling across of fiber = 0,7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	L mm	S mm	ARTICLE RH
2	8	60	6	SB51.02.008.060.06R
3	12	50	3	SB51.03.012.050.03R
3	12	60	6	SB51.03.012.060.06R
3	12	60	8	SB51.03.012.060.08R
3	23	70	6	SB51.03.023.070.06R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Solid Carbide Finishing Downcut Spiral Bits Z2

D mm	I mm	L mm	S mm	ARTICLE RH
4	15	50	4	SB51.04.015.050.04R
4	15	60	6	SB51.04.015.060.06R
4	15	60	8	SB51.04.015.060.08R
5	17	50	5	SB51.05.017.050.05R
5	17	60	6	SB51.05.017.060.06R
5	17	60	8	SB51.05.017.060.08R
6	22	70	6	SB51.06.022.070.06TR
6	27	60	6	SB01.06.027.060.06R
6	27	70	6	SB51.06.027.070.06R
6	27	70	8	SB51.06.027.070.08R
6	32	80	8	SB01.06.032.080.06R
8	22	70	8	SB51.08.022.070.08R
8	32	70	8	SB01.08.032.070.08R
8	32	80	8	SB51.08.032.080.08R
8	42	90	8	SB51.08.042.090.08R
10	32	80	10	SB51.10.032.080.10R
12	35	83	12	SB51.12.035.083.12R

Sizes in inches:

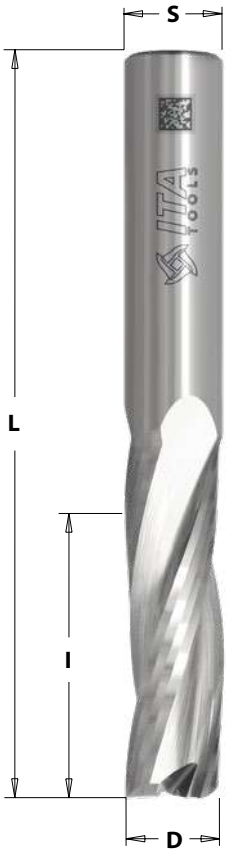
D inch	I inch	L inch	S inch	ARTICLE RH
1/2	1-1/4	3	1/2	SB51.13.318.762.13R
1/2	1-1/2	3-1/2	1/2	SB51.13.381.889.13R
1/8	1/2	2	1/4	SB51.32.127.508.64R
5/32	1/2	2	1/4	SB51.39.127.508.64R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SC01 – 193
positive

VHM **Z3** **RH** **LH**



Technical details:
- 3 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●

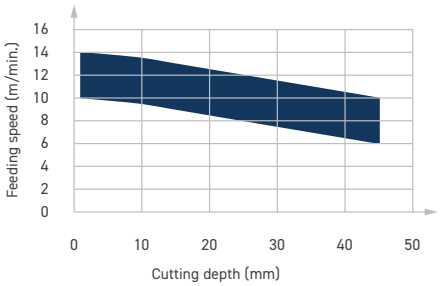

HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- hardwood = 0,9
- milling across of fiber = 0,7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
8	32	80	8	SC01.08.032.080.08R	SC01.08.032.080.08L
8	42	100	8	SC01.08.042.090.08R	-
10	27	70	10	SC01.08.052.100.08R	-
10	32	80	10	SC01.10.032.080.10R	SC01.10.032.080.10L
10	42	90	10	SC01.10.042.090.10R	SC01.10.042.090.10L
10	52	100	10	SC01.10.052.100.10R	-
12	35	83	12	SC01.12.035.083.12R	-
12	35	80	12	SC01.12.035.080.10R	-
12	42	90	12	SC01.12.042.090.12R	SC01.12.042.090.12L

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Solid Carbide Finishing Upcut Spiral Bits Z3

D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
12	52	100	12	SC01.12.052.100.12R	SC01.12.052.100.12L
12	70	130	12	SC01.12.070.130.12R	-
16	35	90	16	SC01.16.035.090.16R	SC01.16.035.090.16L
16	55	110	16	SC01.16.055.110.16R	SC01.16.055.110.16L
16	72	120	16	SC01.16.072.120.16R	SC01.16.072.120.16L
18	55	110	18	SC01.18.055.110.18R	SC01.18.055.110.18L
20	60	120	20	SC01.20.060.120.20R	SC01.20.060.120.20L
20	70	120	20	SC01.20.070.120.20R	SC01.20.070.120.20L
20	102	165	20	SC01.20.102.165.20R	SC01.20.102.165.20R

Sizes in inches:

D inch	I inch	L inch	S inch	ARTICLE RH
5/8	2-1/8	4-5/16	5/8	SC01.16.540.110.16R



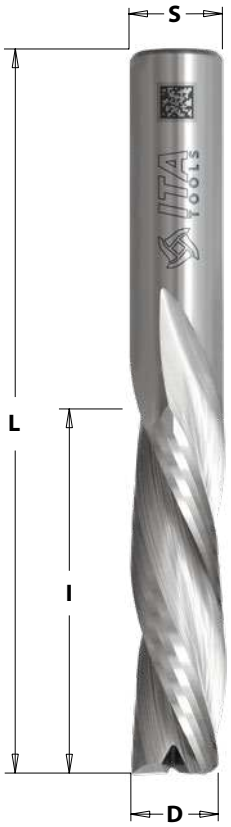
NaDia Coating Z3:

D mm	I mm	L mm	S mm	ARTICLE RH
16	55	110	16	SC01.16.055.110.16XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SC51 – 194
negative



VHM **Z3** **RH**

Technical details:
- 3 flute spiral cutter
- Negative – downward chip ejection
- Finishing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●


HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○

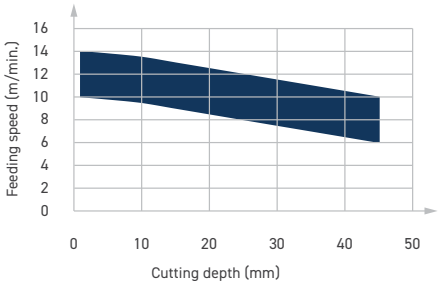

PLYWOOD ●●○


LAMINATED MDF ●○○


LAMINATED CHIPBOARD ●○○


LAMINATED PLYWOOD ●○○

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- hardwood = 0,9
- milling across of fiber = 0,7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	L mm	S mm	ARTICLE RH
10	32	80	10	SC51.10.032.080.10R
10	42	90	10	SC51.10.042.090.10R
12	35	83	12	SC51.12.035.083.12R
14	50	110	14	SC51.14.050.110.14R

Table continued on the next page ▶

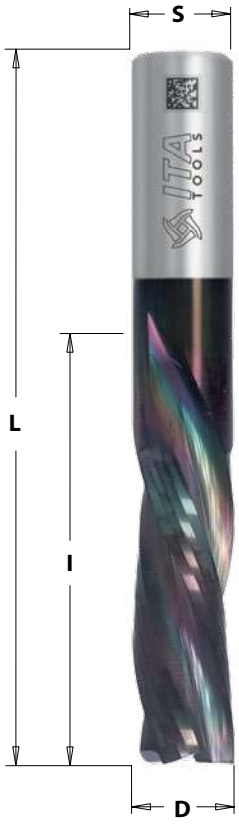
®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

D mm	I mm	L mm	S mm	ARTICLE RH
16	55	110	16	SC51.16.055.110.16R
16	35	90	16	SC51.16.035.090.16R
18	55	110	18	SC51.18.055.110.18R
20	60	120	20	SC51.20.060.120.20R
20	72	130	20	SC51.20.072.130.20R

Sizes in inches:

D inch	I inch	L inch	S inch	ARTICLE RH
1/2	1-1/2	3-1/2	1/2	SC51.13.381.889.13R



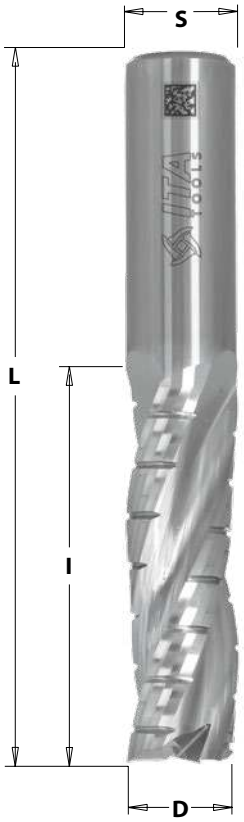
NaDia Coating Z3:

D mm	I mm	L mm	S mm	ARTICLE RH
16	55	110	16	SC51.16.055.110.16XR
16	72	120	16	SC51.16.072.120.16XR
20	70	120	20	SC51.20.070.120.20XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SC03 – 193Rn
positive



VHM **Z3R** **RH**

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Semi-finishing geometry
- Chipbreaker

Application:


CUTTING


JOINTING


RABBETING


GROOVING

Materials:


SOFT SOLID WOOD ●●●


HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○

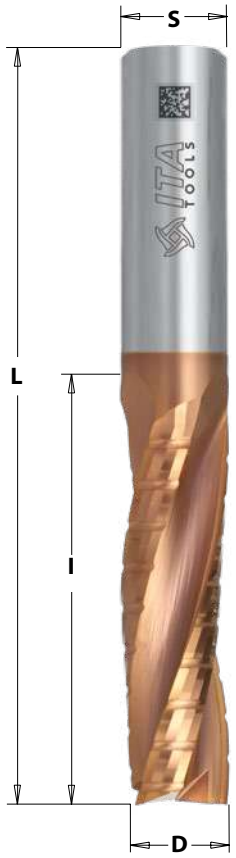
D mm	I mm	L mm	S mm	ARTICLE RH
6	22	60	6	SC03.06.022.060.06R
8	32	72	8	SC03.08.032.072.08R
10	32	72	10	SC03.10.032.072.10R
10	42	90	10	SC03.10.042.090.10R
10	52	100	10	SC03.10.052.100.10R
12	42	90	12	SC03.12.042.090.12R
12	52	100	12	SC03.12.052.100.12R
14	42	100	14	SC03.14.042.100.14R
16	42	90	16	SC03.16.042.090.16R
16	52	100	16	SC03.16.052.100.16R
16	62	110	16	SC03.16.062.110.16R
16	72	130	16	SC03.16.072.130.16R
18	55	110	18	SC03.18.055.110.18R
20	60	120	20	SC03.20.060.120.20R
20	102	165	20	SC03.20.102.165.20R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

SC23 – 193Rn
positive



VHM **Z3R** **RH**

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Semi-finishing geometry
- Chipbreaker
- TiSiN coating

Application:



CUTTING | JOINTING | RABBETING | GROOVING

Materials:



SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●○ | RAW CHIPBOARD ●●○ | PLYWOOD ●●○

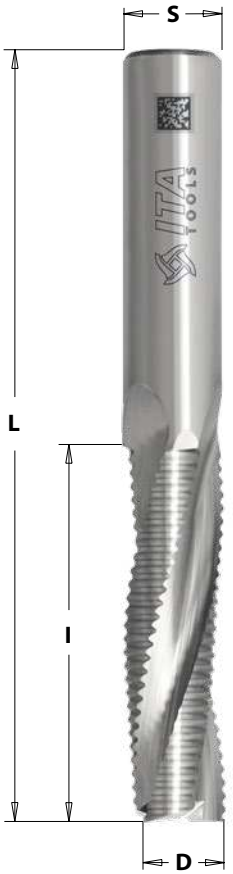
D mm	I mm	L mm	S mm	ARTICLE RH
8	22	60	8	SC23.08.022.060.08TR
10	25	70	10	SC23.10.025.070.10TR
12	35	80	12	SC23.12.035.080.12TR
16	55	110	16	SC23.16.055.110.16TR
20	60	120	20	SC23.20.060.120.20TR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SF01 – 195
positive

VHM **Z3** **RH** **LH**



Technical details:
- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●

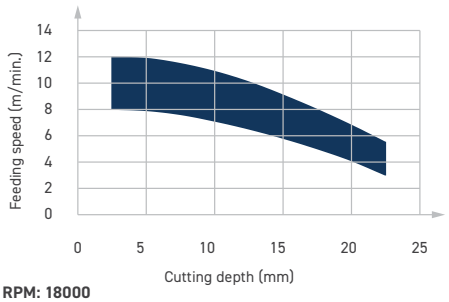

HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○

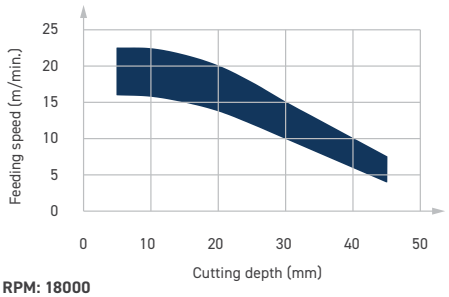

PLYWOOD ●●○

Ø 8-10 mm | Soft wood



RPM: 18000
Correction factor:
- Hardwood = 0,8
- Chipboard without coating = 1,3

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- Hardwood = 0,8
- Chipboard without coating = 1,3

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

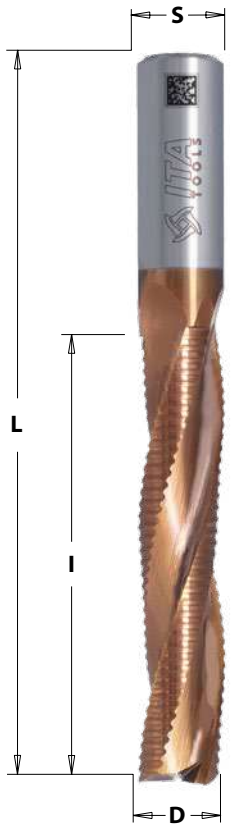
D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
6	22	70	6	SF01.06.022.070.06R	-
6	32	70	6	SF01.06.032.070.06R	SF01.06.032.070.06L
8	22	63	8	SF01.08.022.063.08R	SF01.08.022.063.08L
8	32	80	8	SF01.08.032.080.08R	SF01.08.032.080.08L
8	42	90	8	SF01.08.042.090.08R	-

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
10	32	80	10	SF01.10.032.080.10R	SF01.10.032.080.10L
10	42	90	10	SF01.10.042.090.10R	SF01.10.042.090.10L
10	52	100	10	SF01.10.052.100.10R	-
12	35	83	12	SF01.12.035.083.12R	SF01.12.035.083.12L
12	42	90	12	SF01.12.042.090.12R	SF01.12.042.090.12L
12	52	100	12	SF01.12.052.100.12R	SF01.12.052.100.12L
14	58	110	14	SF01.14.058.110.14R	SF01.14.058.110.14L
16	35	90	16	SF01.16.035.090.16R	-
16	42	90	16	SF01.16.042.090.16R	SF01.16.042.090.16L
16	55	110	16	SF01.16.055.110.16R	SF01.16.055.110.16L
16	72	120	16	SF01.16.072.120.16R	SF01.16.072.120.16L
18	55	110	18	SF01.18.055.110.18R	SF01.18.055.110.18L
20	60	120	20	SF01.20.060.120.20R	SF01.20.060.120.20L
20	72	120	20	SF01.20.072.120.20R	-
20	102	165	20	SF01.20.102.165.20R	SF01.20.102.165.20L



Sizes in inches:

D inch	I inch	L inch	S inch	ARTICLE RH
1/2	1-1/4	3	1/2	SF01.13.318.762.13R

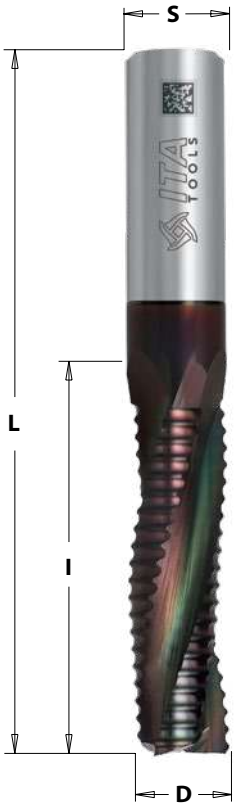
TiSiN Coating Z3:

D mm	I mm	L mm	S mm	ARTICLE RH
10	22	70	10	SF01.10.022.070.10TR
10	35	70	10	SF01.10.035.070.10TR
12	22	70	12	SF01.12.022.070.12TR
12	25	70	12	SF01.12.025.070.12TR
12	35	80	12	SF01.12.035.080.12TR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SF01.XR – 195XTR
positive



VHM **Z3** **RH** **LH**

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry
- NaDia coating

Application:



CUTTING JOINTING RABBETING

Materials:



SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●● | RAW CHIPBOARD ●●● | PLYWOOD ●●●

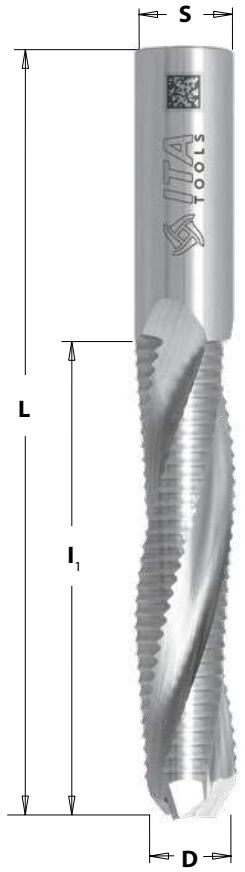
D mm	I mm	L mm	S mm	ARTICLE RH	ARTICLE LH
8	32	80	8	-	SF01.08.032.080.08XL
8	42	90	8	SF01.08.042.090.08XR	-
10	32	80	10	SF01.10.032.080.10XR	SF01.10.032.080.10XL
10	42	90	10	SF01.10.042.090.10XR	-
12	42	90	12	SF01.12.042.090.12XR	-
16	55	110	16	-	SF01.16.055.110.16XL
16	72	120	16	SF01.16.072.120.16XR	-
20	102	165	20	SF01.20.102.165.20XR	-

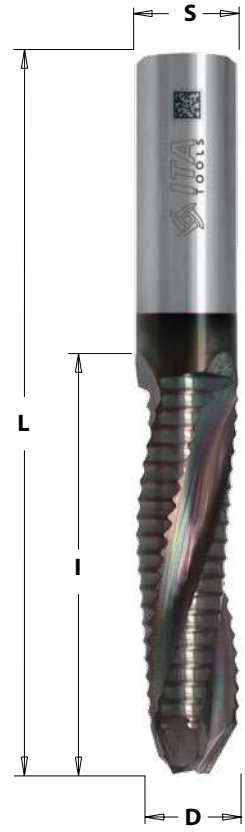
Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

SF05 – 195Rv
positive





VHM **Z3** **RH**

Technical details:
- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry
- Drilling tip with A=60°

Application:



DOOR PEEPHOLE

Materials:



SOFT SOLID WOOD ●●●



HARD SOLID WOOD ●●●



RAW MDF ●●○



RAW CHIPBOARD ●●○



PLYWOOD ●●○

D mm	I mm	L mm	S mm	ARTICLE RH
14	58	110	14	SF05.14.058.110.14R
16	55	110	16	SF05.16.055.110.16R

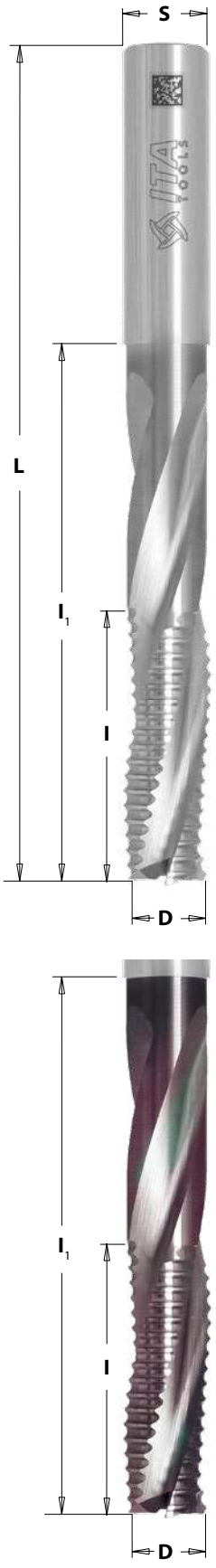
NaDia Coating Z3:

D mm	I mm	L mm	S mm	ARTICLE RH
14	58	110	14	SF05.14.058.110.14XR
16	55	110	16	SF05.16.055.110.16XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SF30 – 195R
positive



VHM **Z3** **RH**

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry
- Extended body with lowering

Application:



DOOR LOCK

Materials:



SOFT SOLID WOOD ●●●



HARD SOLID WOOD ●●●



RAW MDF ●●○



RAW CHIPBOARD ●●○



PLYWOOD ●●○

D mm	l mm	l_1 mm	L mm	S mm	ARTICLE RH
12	45	95	150	12	SF30.12.095.150.12R
14	45	95	150	14	SF30.14.095.150.14R
14	45	125	170	14	SF30.14.125.170.14R
15	45	95	150	15	SF30.15.095.150.15R
16	45	95	150	16	SF30.16.095.150.16R
16	45	120	170	16	SF30.16.120.170.16R
18	45	95	150	18	SF30.18.095.150.18R
20	45	95	150	20	SF30.20.095.150.20R

NaDia Coating Z3:

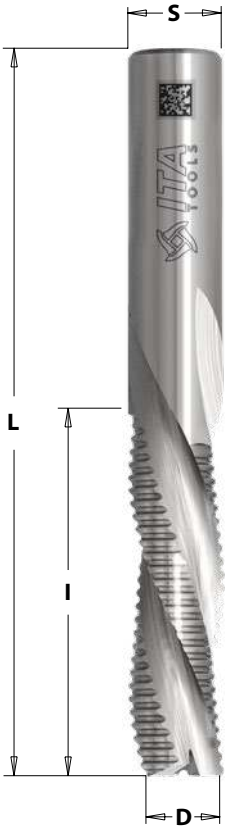
D mm	l mm	l_1 mm	L mm	S mm	ARTICLE RH
14	45	95	150	14	SF30.14.095.150.14XR
16	45	95	150	16	SF30.16.095.150.16XR
16	50	120	170	16	SF30.16.120.170.16XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SF51 – 196
negative

VHM | Z3 | RH



Technical details:
- 3 flute spiral cutter
- Negative – downward chip ejection
- Roughing geometry

Application:


CUTTING


JOINTING


RABBETING


GROOVING

Materials:


SOFT SOLID WOOD ●●●


HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○

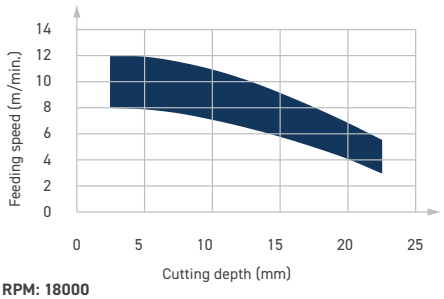

PLYWOOD ●●○


LAMINATED MDF ●○○


LAMINATED CHIPBOARD ●○○

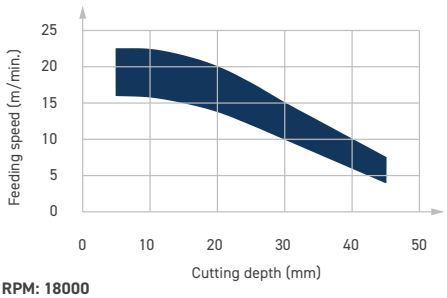

LAMINATED PLYWOOD ●○○

Ø 8-10 mm | Soft wood



RPM: 18000
Correction factor:
- Hardwood = 0,8
- Chipboard without coating = 1,3

Ø 12-20 mm | Soft wood



RPM: 18000
Correction factor:
- Hardwood = 0,8
- Chipboard without coating = 1,3

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

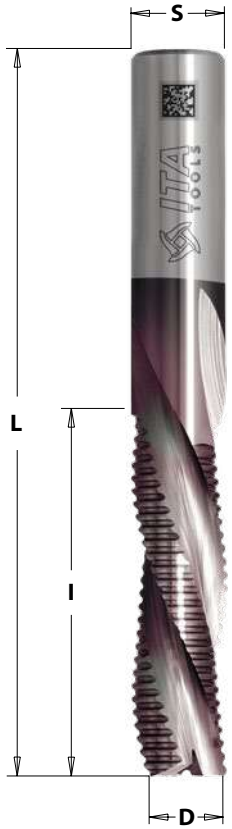
D mm	I mm	L mm	S mm	ARTICLE RH
8	32	80	8	SF51.08.032.080.08R
10	42	90	10	SF51.10.042.090.10R
12	35	83	12	SF51.12.035.083.12R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

Solid Carbide Roughing Downcut Spiral Bits Z3

D mm	I mm	L mm	S mm	ARTICLE RH
12	42	90	12	SF51.12.042.090.12R
12	52	100	12	SF51.12.052.100.12R
14	50	110	14	SF51.14.050.110.14R
16	55	110	16	SF51.16.055.110.16R
18	55	110	18	SF51.18.055.110.18R
20	60	120	20	SF51.20.060.120.20R
20	72	120	20	SF51.20.072.120.20R
20	102	165	20	SF51.20.102.165.20R



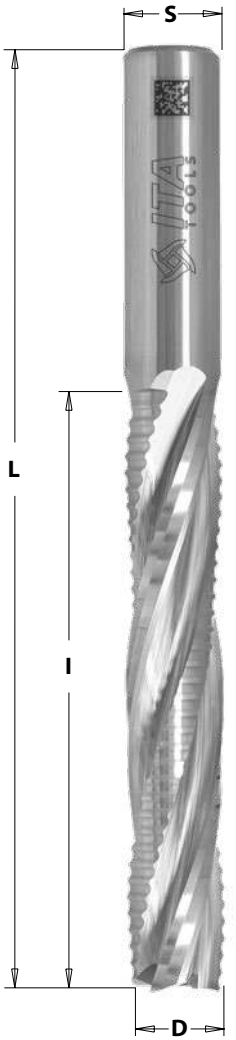
NaDia Coating Z3:

D mm	I mm	L mm	S mm	ARTICLE RH
8	32	80	8	SF51.08.032.080.08XR
10	42	90	10	SF51.10.042.090.10XR
12	35	83	12	SF51.12.035.083.12XR
12	42	90	12	SF51.12.042.090.12XR
12	52	100	12	SF51.12.052.100.12XR
14	50	110	14	SF51.14.050.110.14XR
16	55	110	16	SF51.16.055.110.16XR
18	55	110	18	SF51.18.055.110.18XR
20	60	120	20	SF51.20.060.120.20XR
20	72	120	20	SF51.20.072.120.20XR
20	102	165	20	SF51.20.102.165.20XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SH01 – 197
positive





VHM **Z4** **RH**

Technical details:
- 4 flute spiral cutter
- Positive – upward chip ejection
- Finishing + roughing geometry

Application:


CUTTING


JOINTING

Materials:


SOFT SOLID WOOD ●●●


HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○

D mm	I mm	L mm	S mm	ARTICLE RH
8	32	70	8	SH01.08.032.070.08R
10	32	70	10	SH01.10.032.070.10R
12	32	70	12	SH01.12.032.070.12R
12	42	90	12	SH01.12.042.090.12R
14	32	90	14	SH01.14.032.090.14R
16	35	90	16	SH01.16.035.090.16R
16	42	100	16	SH01.16.042.100.16R
16	55	110	16	SH01.16.055.110.16R
20	60	120	20	SH01.20.060.120.20R

NaDia Coating Z4:

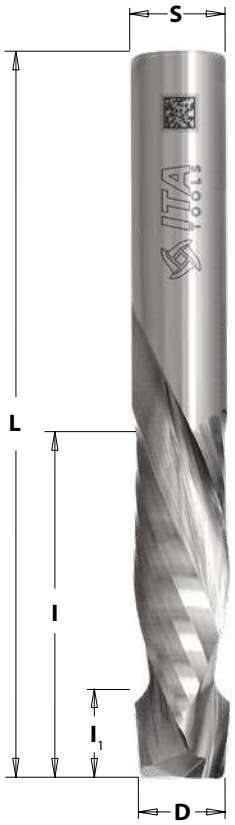
D mm	I mm	L mm	S mm	ARTICLE RH
16	55	110	16	SH01.16.055.110.16XR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SL01 | SM01 | SN01 – 190
positive-negative

VHM **Z1+1** **Z2+2** **Z3+3** **RH**



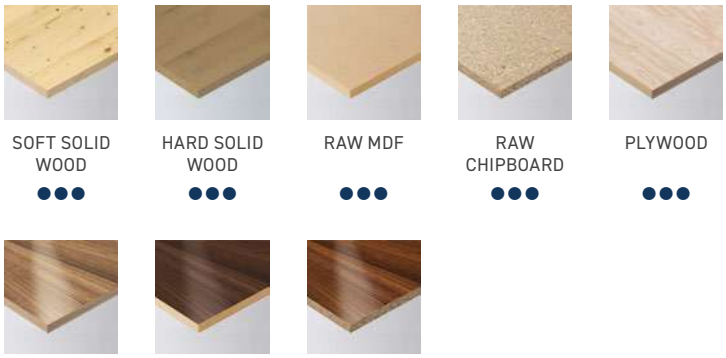
Technical details:
- 1+1, 2+2 or 3+3 flute spiral cutter
- Compression – upward and downward chip ejection
- Finishing geometry

Application:



CUTTING | NESTING | JOINTING

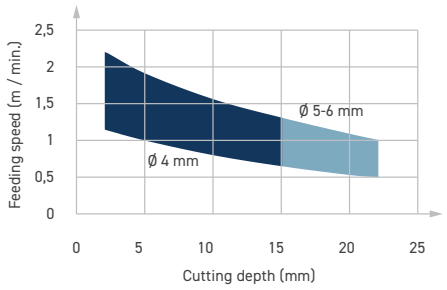
Materials:



SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●● | RAW CHIPBOARD ●●● | PLYWOOD ●●●

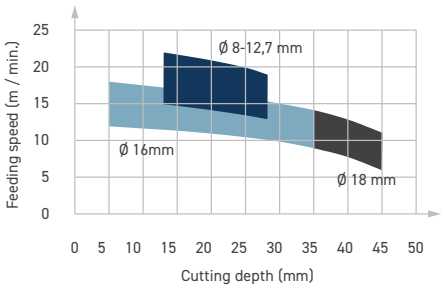
LAMINATED PLYWOOD ●○○ | LAMINATED MDF ●○○ | LAMINATED CHIPBOARD ●○○

Ø 4-6 mm | Chipboard without coating



RPM: 24000 Correction factor: MDF = 0,8

Ø 8-18 mm | Chipboard without coating



RPM: 18000 Correction factor: MDF = 0,8

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
3	20	5	60	3	1+1	SL01.03.020.060.03R
3	23	5	70	6	1+1	SL01.03.023.070.06R
4	15	5	60	4	1+1	SL01.04.015.050.04R
4	21	5	60	4	1+1	SL01.04.021.060.04R
5	22	8	70	5	1+1	SL01.05.022.070.05R
6	22	5	60	6	1+1	SL01.06.022.060.06R

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
5	22	5	60	5	2+2	SM01.05.022.060.05R
6	22	5	60	6	2+2	SM01.06.022.060.06R
8	22	8	70	8	2+2	SM01.08.022.070.08R
8	32	8	80	8	2+2	SM01.08.032.080.08R
10	22	8	70	10	2+2	SM01.10.022.070.10R
10	32	5	80	10	2+2	SM01.10.032.080.10R
10	42	7	90	10	2+2	SM01.10.042.090.10R
12	25	7	70	12	2+2	SM01.12.025.070.12R
12	42	7	90	12	2+2	SM01.12.042.090.12R
12	52	7	100	12	2+2	SM01.12.052.100.12R
16	42	18	100	16	2+2	SM01.16.042.100.16R
16	55	21	110	16	2+2	SM01.16.055.110.16R
18	55	24	110	18	2+2	SM01.18.055.110.18R

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
12	25	9	83	12	3+3	SN01.12.025.083.12R
12	35	9	90	12	3+3	SN01.12.035.090.12R
20	100	20	165	20	3+3	SN01.20.100.165.20R

Sizes in inches:

D inch	I inch	I_1 inch	L inch	S inch	Z	ARTICLE RH
3/8	7/8	3/16	3	3/8	2+2	SM01.95.222.762.95R
1/2	1	15/32	3	1/2	2+2	SM01.13.254.762.13R

Sizes in inches:

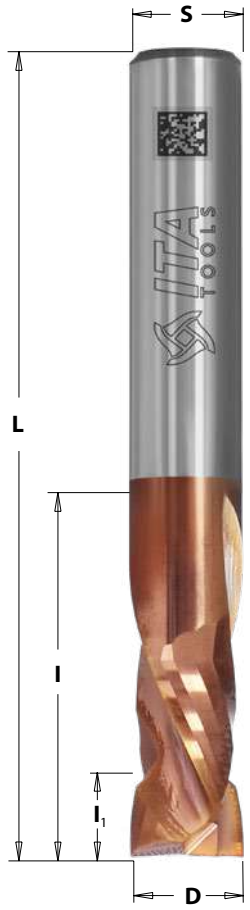
D inch	I inch	I_1 inch	L inch	S inch	Z	ARTICLE RH
3/8	7/8	3/16	3	3/8	3+3	SN01.95.222.762.95R

Detailed information on protective coatings can be found on pages: 57-60.

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SL01.TR | SM01.TR | SN01.TR – 190TSR
positive-negative

VHM **Z1+1** **Z2+2** **Z3+3** **RH**



Technical details:
- 1+1, 2+2 or 3+3 flute spiral cutter
- Compression – upward and downward chip ejection
- Finishing geometry
- TiSiN coating

Application:



CUTTING NESTING JOINTING

Materials:

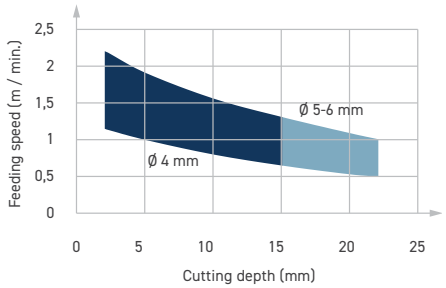


SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●● | RAW CHIPBOARD ●●● | PLYWOOD ●●●



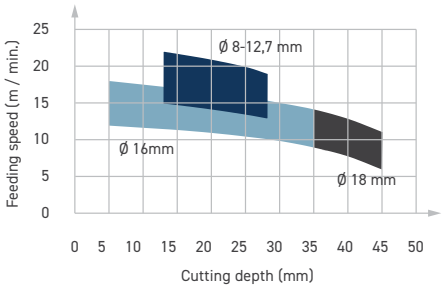
LAMINATED PLYWOOD ●●● | LAMINATED MDF ●●● | LAMINATED CHIPBOARD ●●●

Ø 4-6 mm | Chipboard without coating



RPM: 24000 Correction factor: MDF = 0,8

Ø 8-18 mm | Chipboard without coating



RPM: 18000 Correction factor: MDF = 0,8

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
4	21	5	60	4	1+1	SL01.04.021.060.04TR
5	22	8	70	5	1+1	SL01.05.022.060.05TR
6	22	5	60	6	1+1	SL01.06.022.060.06TR

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
6	12	2	60	6	2+2	SM01.06.012.060.06TR
8	18	3	70	8	2+2	SM01.08.018.070.08TR
8	22	8	70	8	2+2	SM01.08.022.070.08TR
10	18	5	70	10	2+2	SM01.10.018.070.10TR
10	22	8	70	10	2+2	SM01.10.022.070.10TR
10	25	6	80	10	2+2	SM01.10.025.080.10TR
12	18	5	70	12	2+2	SM01.12.018.070.12TR

D mm	I mm	I_1 mm	L mm	S mm	Z	ARTICLE RH
12	25	6	83	12	3+3	SN01.12.025.083.12TR
16	55	21	110	16	3+3	SN01.16.055.110.16TR
20	100	20	165	20	3+3	SN01.20.100.165.20TR

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

X90
positive-negative

VHM **Z1+1** **Z2+2** **Z3+3** **RH**



Technical details:

- 1+1, 2+2 or 3+3 flute spiral cutter
- Compression – upward and downward chip ejection
- Finishing or roughing geometry
- PLATINUM coating
- Special nesting carbide grade

Application:



CUTTING | NESTING | JOINTING

Materials:



RAW MDF ●●● | RAW CHIPBOARD ●●● | PLYWOOD ●●● | LAMINATED PLYWOOD ●●● | LAMINATED MDF ●●●



LAMINATED CHIPBOARD ●●● | SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●○ | HPL ●○○

D mm	I mm	I_1 mm	L mm	S mm	Z	TYPE	ARTICLE RH
8	35	7	80	8	2+2	Finishing	X90.08.035.080.08PR
9,525 (3/8")	22,225 (7/8")	8,38 (21/64")	76,2 (3")	9,525 (3/8")	2+2	Finishing	X90.95.222.762.95PR
10	22	8	70	10	2+2	Finishing	X90.10.022.070.10PR
10	35	7	80	10	2+2	Finishing	X90.10.035.080.10PR
12	25	7,5	80	12	2+2	Finishing	X90.12.025.080.12PR
12	35	8	80	12	2+2	Finishing	X90.12.035.080.12PR
16	52	9	110	16	2+2	Finishing	X90.16.052.110.16PR

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Solid Carbide Finishing Up & Downcut Spiral Bits for Nesting

D mm	I mm	I_1 mm	L mm	S mm	Z	TYPE	ARTICLE RH
9,525 (3/8")	22,225 (7/8")	8,38 (21/64")	76,2 (3")	9,525(3/8")	3+3	Finishing	X90.95.222.762.95PR3
10	22	8	70	10	3+3	Finishing	X90.10.022.070.10PR3
10	35	7	80	10	3+3	Finishing	X90.10.035.080.10PR3
12	25	8	80	12	3+3	Finishing	X90.12.025.080.12PR3
12	35	8	80	12	3+3	Finishing	X90.12.035.080.12PR3
12	45	8	90	12	3+3	Finishing	X90.12.045.090.12PR3
16	52	9	110	16	3+3	Finishing	X90.16.052.110.16PR3

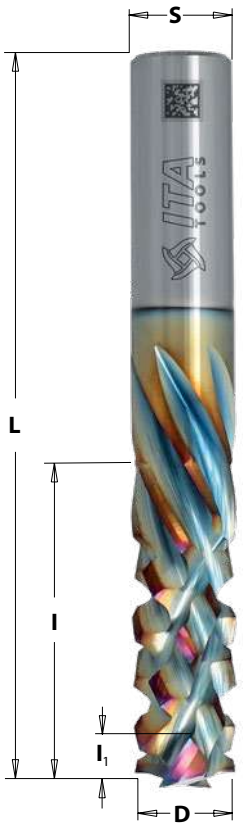
D mm	I mm	I_1 mm	L mm	S mm	Z	TYPE	ARTICLE RH
8	35	7	80	8	2+2	Roughing	X90.08.035.080.08PRz
10	35	7	80	10	2+2	Roughing	X90.10.035.080.10PRz
12	35	8	80	12	2+2	Roughing	X90.12.035.080.12PRz
16	52	9	110	16	2+2	Roughing	X90.16.052.110.16PRz

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

X99 NEXCUT
positive-negative

NEW



NEW **VHM** **Z2+6** **RH**

Technical details:

- 2+6 flute spiral cutter
- Compression – upward and downward chip ejection
- Finishing geometry
- PLATINUM coating
- Special nesting carbide grade

Application:



CUTTING | NESTING | JOINTING

Materials:



SOFT SOLID WOOD ●●● | HARD SOLID WOOD ●●● | RAW MDF ●●● | RAW CHIPBOARD ●●● | PLYWOOD ●●●



LAMINATED PLYWOOD ●●● | LAMINATED MDF ●●● | LAMINATED CHIPBOARD ●●● | HPL ●●●

D mm	I mm	I_1 mm	L mm	S mm	Z	TYPE	ARTICLE RH
6	22	3	70	6	2+6	Finishing	X99.06.022.070.06PR
8	22	4,2	70	8	2+6	Finishing	X99.08.022.070.08PR
10	25	4,5	80	10	6+2	Finishing	X99.10.025.080.10PR
10	35	4,5	80	10	6+2	Finishing	X99.10.035.080.10PR
12	25	5,5	80	12	6+2	Finishing	X99.12.025.080.12PR
12	35	5,5	80	12	6+2	Finishing	X99.12.035.080.12PR
16	35	7,5	90	16	6+2	Finishing	X99.16.035.090.16PR
9,52	25,4	4,3	76,2	9,52	6+2	Finishing	X99.95.254.762.95PR
12,7	25,4	5,8	76,2	12,7	6+2	Finishing	X99.13.254.762.13PR
12,7	38,1	5,8	88,9	12,7	6+2	Finishing	X99.13.381.889.13PR

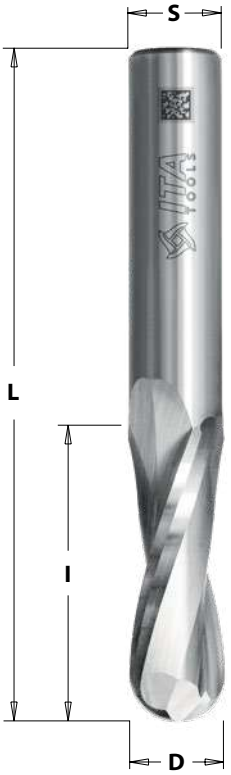
D	Feed rate | RPM
3/8"	15-23 m/min | 18000-24000
10"	15-23 m/min | 18000-24000
12"	17-26 m/min | 18000-24000
12,7"	17-26 m/min | 18000-24000
16"	18-36 m/min | 18000-24000

Detailed information on protective coatings can be found on pages: 57-60.

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

SI01 – 199
positive



VHM | Z2 | RH

Technical details:

- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Round nose

Application:


CUTTING


JOINTING

3D

3D MODELS

Materials:


SOFT SOLID WOOD ●●●


HARD SOLID WOOD ●●●


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○

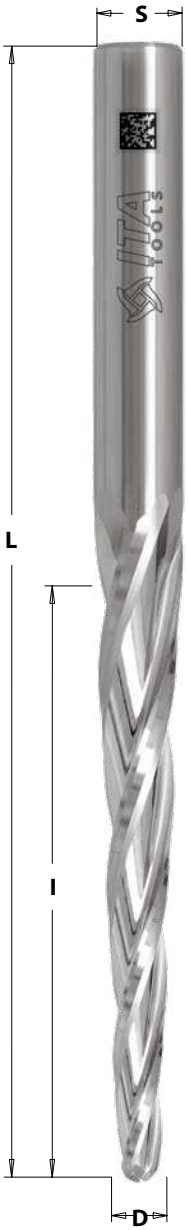
D mm	R mm	I mm	L mm	S mm	Z	ARTICLE RH
2	1	10	50	3	2	SI01.02.010.050.03R
6	3	27	70	6	2	SI01.06.027.070.06R
8	4	32	80	8	2	SI01.08.032.080.08R
10	5	32	80	10	2	SI01.10.032.080.10R
12	6	35	80	12	2	SI01.12.035.080.12R
16	8	55	110	16	2	SI01.16.055.110.16R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SQ29
positive

NEW



VHM **Z2** **RH**

Technical details:

- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Tappered round nose

Application:



3D MODELS

3D

3D MODELS

Materials:



SOFT SOLID WOOD ●●●



HARD SOLID WOOD ●●●



RAW MDF ●●○



RAW CHIPBOARD ●●○



PLYWOOD ●●○



PLASTICS ●●○



ALUMINUM ●●○

D mm	I mm	L mm	S mm	R mm	α	ARTICLE
0,8	25	70	6	0,4	5,5°	SQ29.01.025.070.06R
1,6	25	70	6	0,8	4,5°	SQ29.02.025.070.06R
1,6	50	80	6,35	0,8	5,5°	SQ29.02.050.080.64R
1,6	30	80	8	0,8	5,5°	SQ29.02.030.080.08R
2	80	120	12	1	3°	SQ29.02.080.120.12R
3,2	25,4	80	6	1,6	3,6°	SQ29.03.025.080.06R
3,2	80	80	6,35	1,6	3,6°	SQ29.03.080.080.64R
3,2	50	90	8	1,6	2,5°	SQ29.03.050.090.08R
6	50,8	110	12	3	3,2°	SQ29.06.051.110.12R
12	85	150	12	6	3°	SQ29.12.085.150.12R

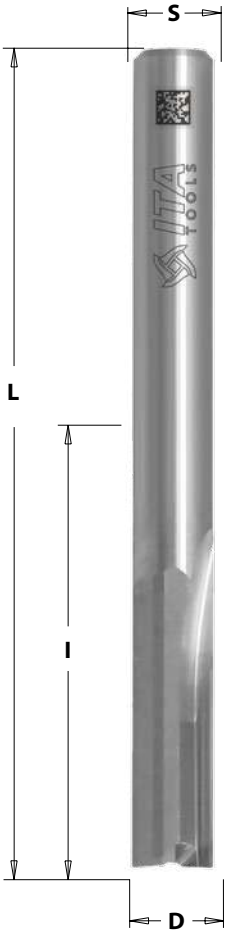
Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

SY01 – 912
straight

NEW



VHM | Z2 | RH

Technical details:

- Two straight blade cutter
- Straight-chip ejection to the side

Application:



CUTTING | NESTING | GROOVING

Materials:



SOFT SOLID WOOD ●●○ | HARD SOLID WOOD ●●○ | RAW MDF ●●○ | RAW CHIPBOARD ●●○ | PLYWOOD ●●○



LAMINATED MDF ●●○

D mm	I mm	L mm	S mm	ARTICLE RH
3	10	60	6	SY01.03.010.060.06R
4	15	60	6	SY01.04.015.060.06R
5	15	60	6	SY01.05.015.060.06R
6	20	60	6	SY01.06.020.060.06R
6	25	60	6	SY01.06.025.060.06R
8	25	70	8	SY01.08.025.070.08R
8	30	70	8	SY01.08.030.070.08R
10	21	70	12	SY01.10.021.070.12R
10	32	80	12	SY01.10.032.080.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

FVI – FHI

VHM **Z2** **RH**



Techincal details:

- Special type of carbide – increased tool life
- Radius cutters
- Possibility of using variety of coatings

Application:


GROOVING


CHAMFERING

Materials:


SOFT SOLID WOOD ●●○


HARD SOLID WOOD ●●○


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○


LAMINATED MDF ●●○

D mm	I mm	L mm	S mm	R mm	ARTICLE
6	18,3	70	12	3	FVI.06.018.070.12R
8	18,3	70	14	3	FVI.08.018.070.14R
8	2	70	8	2	FVI.08.002.070.08R2
10	2	60	10	2	FVI.10.002.060.10R2
10	3	70	10	3	FVI.10.003.070.10R3
12	4	70	12	4	FVI.12.004.070.12R4
18	6	83	18	3	FVI.06.018.083.12R
18	8	83	18	3	FVI.08.018.083.14R
19	6	83	19	3	FVI.06.019.083.12R
8	2	70	8	2	FHI.08.002.070.08R2
10	3	70	10	3	FHI.10.003.070.10R3
12	4	70	12	4	FHI.12.004.070.12R4
16	5	70	16	5	FHI.16.005.070.16R5
16	6	70	16	6	FHI.16.006.070.16R6
20	6	70	20	8	FHI.20.006.070.20R8

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

XZ3 – 912
straight

NEW



VHM | Z3 | RH

Technical details:

- Three straight carbide blade cutter
- Straight-chip ejection to the side
- 3 straight blades – chip discharge sideway
- Body made with steel > 28 HRC
- Perfect finish on both sides of material

Application:


CUTTING


NESTING

Materials:


RAW MDF ●●○


RAW CHIPBOARD ●●○


PLYWOOD ●●○


LAMINATED PLYWOOD ●●○


LAMINATED CHIPBOARD ●●○


LAMINATED MDF ●●○



D mm	I mm	L mm	S mm	ARTICLE RH
6	22	76	12	XZ3.06.022.076.12R
6	22*	76	12	XZ3.06.022.076.12Rz
8	32	80	12	XZ3.08.032.080.12R
10	32	80	12	XZ3.10.032.080.12R

* with chipbreaker

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SPIRAL BITS FOR COMPOSITES



Processing of composite materials, plastics, aluminum.



Tool personalization, wide range of geometries and sizes.



High stock of standard dimensions – available 24/7.

Chapter

VHM & Diamond Tools for Composites, PVC & ALU



ST01 series
Z1
finishing
upcut
p. 94



ST51 series
Z1
finishing
downcut
p. 96



ST28 series
Z1
finishing
upcut
p. 97



ST36 series
Z1
super finish
finishing
upcut
p. 99



SP01 series
Z1
finishing
upcut
p. 100



SP02 series
Z2
finishing
upcut
NEW
p. 103



SP15 series
Z1
finishing
upcut
p. 104



SQ01 series
Z2
finishing
upcut
p. 105



SQ02 series
Z2
finishing
upcut
p. 107



SQ31 series
Z2
finishing
upcut
p. 108



SR01 series
Z3
finishing
upcut
p. 110



SR33 series
Z3
roughing
upcut
p. 111



CPS, CPU,
CSS, CVS,
CNS, CNV,
CNR, CNU
series
Multi-edge
p. 112



SQ32 series
Z2
finishing
upcut
p. 118



SR34 series
Z3
roughing
upcut
p. 120



SR02 series
Z3
finishing
upcut
p. 121



FVH series
bending
p. 122



SY26 series
Z2
finishing
straight
p. 123



FVI
series
Z2, Z4
chamfering
rounding
p. 125



SW03 series
Z3, Z4
upcut
NEW
p. 126



FDT, FDH series
Z2
bending
p. 127



DT1/2/3/5
series
Z1, Z2, Z3,
Z4, Z5
p. 128

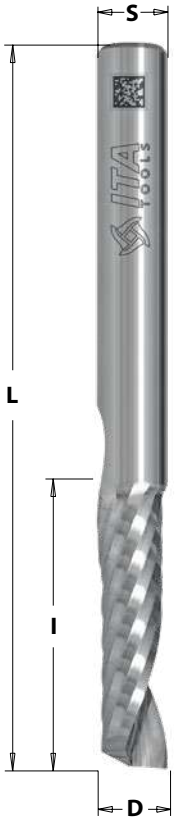


Knives for Cutting
Plotters
p. 129



B2B For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

ST01 – 198RP
positive



VHM | Z1

Technical details:

- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING

Materials:


PLEXI ●●●


PLASTICS ●●●


ALUCOBOND® ●●○


ALUCOBOND® A2 ●●○


CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	ARTICLE
2	6	60	6	ST01.02.006.060.06R
3	6	60	3	ST01.03.006.060.03R
3	6	60	6	ST01.03.006.060.06R
3	10	60	6	ST01.03.010.060.06R
3	12	60	3	ST01.03.012.060.03R
3	22	60	3	ST01.03.022.060.03R
3	22	60	6	ST01.03.022.060.06R
4	8	60	4	ST01.04.008.060.04R
4	8	60	6	ST01.04.008.060.06R
4	12	60	4	ST01.04.012.060.04R
4	12	60	6	ST01.04.012.060.06R
4	15	60	4	ST01.04.015.060.04R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

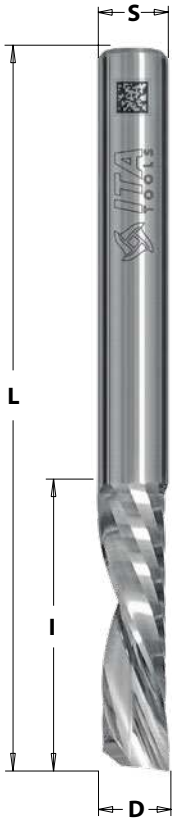
Solid Carbide Finishing Upcut Spiral Bits Z1 for PLEXI and Plastics

D mm	I mm	L mm	S mm	ARTICLE
4	15	60	6	ST01.04.015.060.06R
4	22	60	6	ST01.04.022.060.06R
5	12	60	6	ST01.05.012.060.06R ▲
5	15	60	5	ST01.05.015.060.05R
5	15	60	6	ST01.05.015.060.06R
5	40	100	8	ST01.05.040.100.08R
6	12	60	6	ST01.06.012.060.06R
6	22	60	6	ST01.06.022.060.06R
6	32	70	6	ST01.06.032.070.06R
8	22	60	8	ST01.08.022.060.08R
8	32	80	8	ST01.08.032.080.08R
10	35	80	10	ST01.10.035.080.10R
10	42	80	10	ST01.10.042.080.10R
10	55	100	10	ST01.10.055.100.10R
12	35	80	12	ST01.12.035.080.12R
12	42	90	12	ST01.12.042.090.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

ST51 – 198RPn
negative



VHM **Z1** **RH**

Technical details:

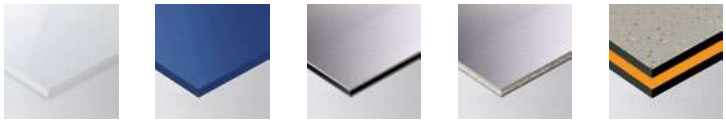
- 1 flute spiral cutter
- Negative – downward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:



CUTTING | JOINTING | RABBETING | GROOVING

Materials:



PLEXI	PLASTICS	ALUCOBOND®	ALUCOBOND® A2	CORIAN® / HPL
●●●	●●●	●●○	●●○	●○○

D mm	I mm	L mm	S mm	ARTICLE
2	6	60	6	ST51.02.006.060.06R
3	6	60	3	ST51.03.006.060.03R
3	6	60	6	ST51.03.006.060.06R
3	12	60	3	ST51.03.012.060.03R
3	12	60	6	ST51.03.012.060.06R
4	8	60	4	ST51.04.008.060.04R
4	8	60	6	ST51.04.008.060.06R
4	12	60	4	ST51.04.012.060.04R
4	12	60	6	ST51.04.012.060.06R
5	15	60	5	ST51.05.015.060.05R
5	15	60	6	ST51.05.015.060.06R
6	12	60	6	ST51.06.012.060.06R

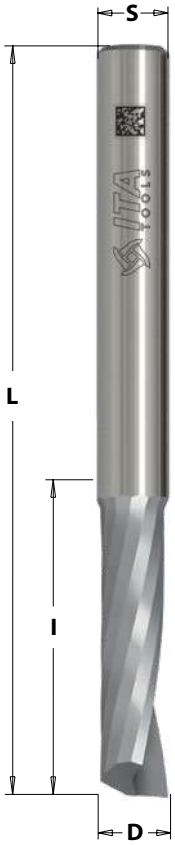
Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

ST28 – 198RPs
positive

VHM | Z1 | RH



Technical details:

- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking
- Low helix prevents lifting material
- Perfect for thin materials from 1mm to 8mm

Application:


CUTTING


JOINTING

Materials:


PLEXI ●●●


PLASTICS ●●●


ALUCOBOND® ●●○


ALUCOBOND® A2 ●●○


CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	ARTICLE
2	6	60	3	ST28.02.006.060.03R
3	8	60	3	ST28.03.008.060.03R
3	12	60	3	ST28.03.012.060.03R
3	12	60	6	ST28.03.012.060.06R
4	8	60	4	ST28.04.008.060.04R
4	12	60	4	ST28.04.012.060.04R
4	12	60	6	ST28.04.012.060.06R
4	22	60	6	ST28.04.022.060.06R
5	8	60	5	ST28.05.008.060.05R
5	12	60	6	ST28.05.012.060.06R
6	12	60	6	ST28.06.012.060.06R
6	22	60	6	ST28.06.022.060.06R
8	12	60	8	ST28.08.012.060.08R
10	22	60	10	ST28.10.022.060.10R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

Solid Carbide Finishing Upcut Spiral Bits Z1 for PLEXI and Plastics

Sizes in inches:

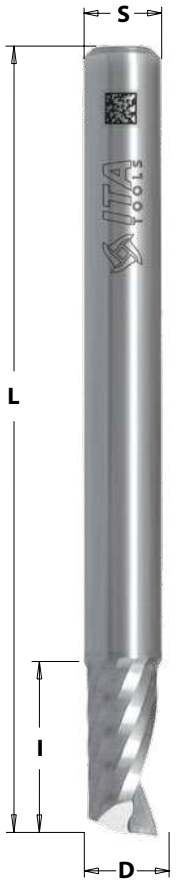
D inch	**I** inch	**L** inch	**S** inch	**ARTICLE**
1/8	5/16	2 1/2	1/8	ST28.32.794.635.32R
3/16	5/16	2 1/2	3/16	ST28.48.794.635.48R
3/16	5/8	2 1/2	3/16	ST28.48.159.635.48R
1/4	1/2	2 1/2	1/4	ST28.64.127.635.64R
1/4	1	2 1/2	1/4	ST28.64.254.635.64R
3/8	1	2 1/2	3/8	ST28.95.254.635.95R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

ST36 – 198RPf
Super Finish
positive



NEW | VHM | Z1 | RH

Technical details:

- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking
- Special geometry for mirror-like finish

Application:



CUTTING



JOINTING

Materials:



PLEXI ●●●



PLASTICS ●●●



ALUCOBOND® ●●○



ALUCOBOND® A2 ●●○



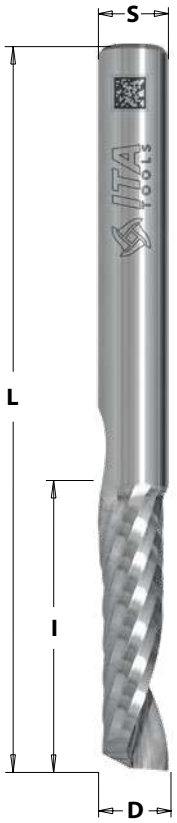
CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	ARTICLE
2	7	60	6	ST36.02.007.060.06R
3	7	60	6	ST36.03.007.060.06R
3	12	60	6	ST36.03.012.060.06R
4	8	60	6	ST36.04.008.060.06R
4	13	60	6	ST36.04.013.060.06R
5	15	60	6	ST36.05.015.060.06R
6	12	60	6	ST36.06.012.060.06R
6	22	60	6	ST36.06.022.060.06R
8	32	80	8	ST36.08.032.080.08R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SP01 – 198Ra
positive



VHM | Z1 | RH

Technical details:

- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:



CUTTING | JOINTING

Materials:



ALUMINUM	ALUCOBOND®	ALUCOBOND® A2	PLASTICS	CORIAN® / HPL
●●●	●●●	●●●	●●○	●○○

D mm	I mm	L mm	S mm	ARTICLE
3	6	60	3	SP01.03.006.060.03R
3	6	60	6	SP01.03.006.060.06R
3	12	60	3	SP01.03.012.060.03R
3	12	60	6	SP01.03.012.060.06R
3	22	60	6	SP01.03.022.060.06R
4	8	60	4	SP01.04.008.060.04R
4	8	60	6	SP01.04.008.060.06R
4	12	60	4	SP01.04.012.060.04R
4	12	60	6	SP01.04.012.060.06R
4	15	60	6	SP01.04.015.060.06R
4	22	60	6	SP01.04.022.060.06R
5	15	60	5	SP01.05.015.060.05R
5	15	60	6	SP01.05.015.060.06R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

Solid Carbide Finishing Upcut Spiral Bits Z1 for Aluminum

D mm	I mm	L mm	S mm	ARTICLE
6	12	60	6	SP01.06.012.060.06R
6	22	60	6	SP01.06.022.060.06R
8	22	60	8	SP01.08.022.060.08R
8	22	70	8	SP01.08.022.070.08R
8	32	80	8	SP01.08.032.080.08R
8	45	100	8	SP01.08.045.100.08R
10	22	60	10	SP01.10.022.060.10R
10	35	80	10	SP01.10.035.080.10R
10	42	80	10	SP01.10.042.080.10R
10	55	100	10	SP01.10.055.100.10R
12	35	80	12	SP01.12.035.080.12R
12	42	90	12	SP01.12.042.090.12R

Sizes in inches:

D inch	I inch	L inch	S inch	ARTICLE
1/8	1/4	2 1/2	1/8	SP01.32.635.635.32R
1/8	1/2	2 1/2	1/8	SP01.32.127.635.32R
3/16	5/16	2 1/2	3/16	SP01.48.794.635.48R
3/16	5/8	2 1/2	3/16	SP01.48.159.635.48R
1/4	1/2	2 1/2	1/4	SP01.64.127.635.64R
1/4	1	2 1/2	1/4	SP01.64.254.635.64R
3/8	1	2 1/2	3/8	SP01.95.254.635.95R
1/2	1 1/2	3 1/2	1/2	SP01.13.381.889.13R

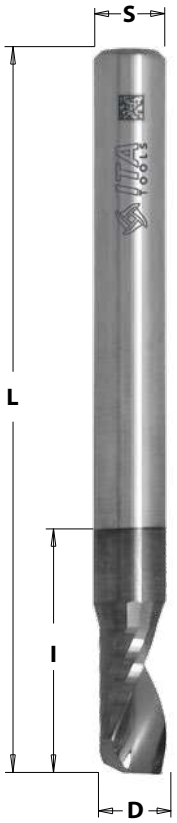
Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

Solid Carbide Finishing Upcut Spiral Bits Z1 for Aluminum

SP01 – 198Ra
positive

VHM | Z1 | RH



Technical details:

- 1 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

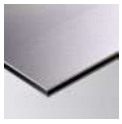
Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


ALUCOBOND® ●●●


ALUCOBOND® A2 ●●●


PLASTICS ●●○


CORIAN® / HPL ●○○

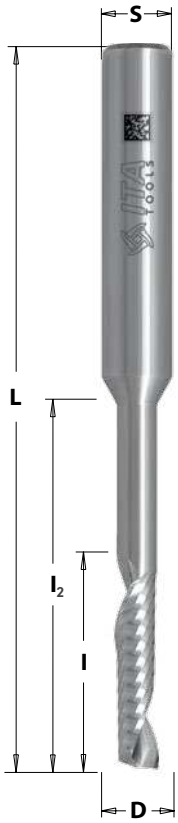
D mm	I mm	L mm	S mm	Z	ARTICLE
2	6	60	6	1	SP01.02.006.060.06HR
3	6	60	6	1	SP01.03.006.060.06HR
3	12	60	6	1	SP01.03.012.060.06HR
4	8	60	6	1	SP01.04.008.060.06HR
4	12	60	6	1	SP01.04.012.060.06HR
5	8	60	6	1	SP01.05.008.060.06HR
5	15	60	6	1	SP01.05.015.060.06HR
6	12	60	6	1	SP01.06.012.060.06HR
6	22	60	6	1	SP01.06.022.060.06HR
8	12	60	8	1	SP01.08.012.060.08HR
8	22	60	8	1	SP01.08.022.060.08HR
8	32	80	8	1	SP01.08.032.080.08HR
10	15	60	10	1	SP01.10.015.060.10HR
10	35	80	8	1	SP01.10.035.080.08HR
10	35	80	10	1	SP01.10.035.080.10HR
10	45	100	10	1	SP01.10.045.100.10HR
12	35	80	8	1	SP01.12.035.080.08HR

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

SP02
positive

NEW



NEW | VHM | Z1 | RH

Technical details:

- Single blade cutter, positive with lowering
- Perfect finishing of cutting edge – the polished chip groove
- Chip discharge upward
- Special type of carbide – increased tool life
- Possibility of using variety of coatings
- Cutting, grooving
- Spiral angle 30°

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


ALUCOBOND® ●●●


ALUCOBOND® A2 ●●●


PLASTICS ●●○


ALU / PVC PROFILES ●●●

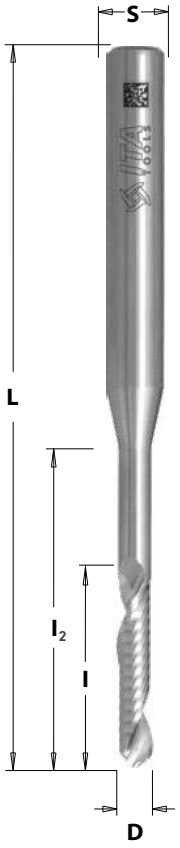
D mm	l mm	l_2 mm	L mm	S mm	Z	ARTICLE	
3	16	40	80	8	1	SP02.03.016.080.08R	
3	16	40	80	8	1	SP02.03.016.080.08R1	NEW
4	16	40	80	8	1	SP02.04.016.080.08R	
4	16	40	80	8	1	SP02.04.016.080.08R1	NEW
5	20	40	80	8	1	SP02.05.020.080.08R	
5	20	40	80	8	1	SP02.05.020.080.08R1	NEW
6	22	40	80	8	1	SP02.06.022.080.08R	
8	25	45	100	8	1	SP02.08.025.100.08R	
10	20	40	80	10	1	SP02.10.020.080.10R	
10	15	60	100	10	1	SP02.10.015.100.10R	
10	22	80	120	10	1	SP02.10.022.120.10R	

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

Solid Carbide Finishing Upcut Spiral Bits Z1 with V-point 90° for Aluminum & Plastics

SP15
positive



VHM **Z1** **RH**

Technical details:

- 1 flute spiral cutter
- Positive with drilling V-point 90°
- Finishing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING


RABBETING


GROOVING

Materials:


ALUMINUM ●●●


ALUCOBOND® ●●●


ALUCOBOND® A2 ●●●


PLASTICS ●●○


CORIAN® / HPL ●○○

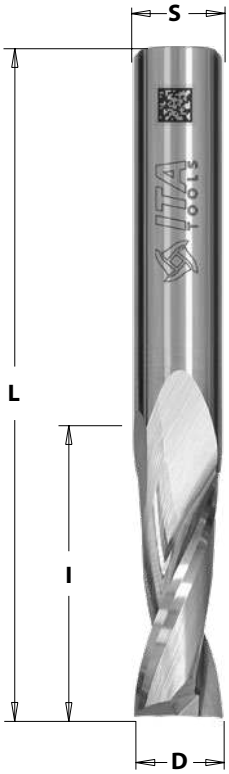

PVC & ALUMINUM PROFILES ●○○

D mm	l mm	l_2 mm	L mm	S mm	Z	ARTICLE
5	25	35	80	8	1	SP15.05.025.080.08R
5	25	45	100	8	1	SP15.05.025.100.08R
5	35	55	100	8	1	SP15.05.035.100.08R
6	25	45	80	8	1	SP15.06.025.080.08R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners
For more tool dimensions, log in to our B2B System b2b-itatools.pl

SQ01 – 186Ra
positive



VHM | Z2 | RH

Technical details:

- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


CORIAN® / HPL ●●○


PLASTICS ●●○

D mm	I mm	L mm	S mm	ARTICLE
3	10	60	3	SQ01.03.010.060.03R
3	12	60	6	SQ01.03.012.060.06R
4	10	60	4	SQ01.04.010.060.04R
4	12	60	6	SQ01.04.012.060.06R
5	12	60	5	SQ01.05.012.060.05R
5	22	60	5	SQ01.05.022.060.05R
6	12	60	6	SQ01.06.012.060.06R
6	22	60	6	SQ01.06.022.060.06R
6	40	120	6	SQ01.06.040.120.06R
8	22	60	8	SQ01.08.022.060.08R
8	35	80	8	SQ01.08.035.080.08R
8	40	100	8	SQ01.08.040.100.08R
10	22	60	10	SQ01.10.022.060.10R
10	35	80	10	SQ01.10.035.080.10R
10	45	100	10	SQ01.10.045.100.10R

Table continued on the next page ▶

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

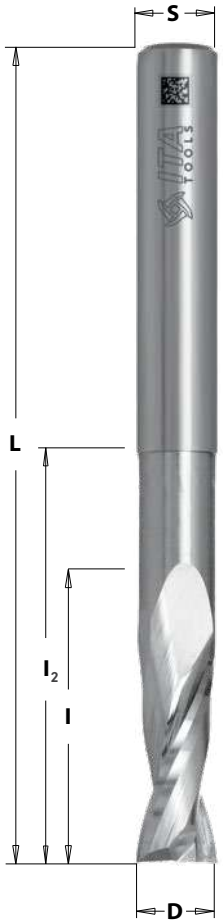
Solid Carbide Finishing Upcut Spiral Bits Z2 for Aluminum and Plastics

D mm	I mm	L mm	S mm	ARTICLE
12	25	70	12	SQ01.12.025.070.12R
12	42	90	12	SQ01.12.042.090.12R
12	45	90	12	SQ01.12.045.090.12R
16	35	80	16	SQ01.16.035.080.16R
16	55	110	16	SQ01.16.055.110.16R
20	45	90	20	SQ01.20.045.090.20R

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SQ02
positive

VHM | Z2 | RH



Technical details:
- 2 flute spiral cutter with lowering
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


ALU / PVC PROFILES ●●●


PLASTICS ●●○


CORIAN® / HPL ●○○

Work parameters:

ALUMINUM
- RPM 10 000-18 000
- feed 0,8-2 m/min

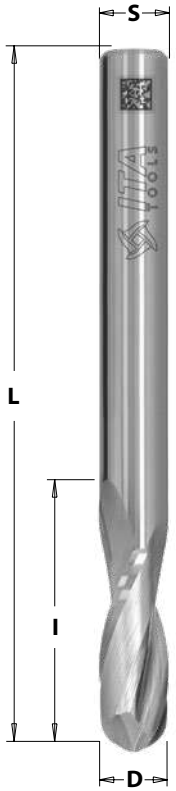
PLASTICS
- RPM 16 000-24 000
- feed 2-6 m/min

D mm	l mm	l_2 mm	L mm	S mm	Z	ARTICLE
6	22	45	80	6	2	SQ02.06.022.080.06R
7	22	42	100	8	2	SQ02.07.022.100.08R
8	20	45	80	8	2	SQ02.08.020.080.08R
8	22	65	105	8	2	SQ02.08.022.105.08R
10	25	50	90	10	2	SQ02.10.025.090.10R
10	25	50	100	10	2	SQ02.10.025.100.10R
10	25	80	100	10	2	SQ02.10.025.120.10R
11	15	65	110	12	2	SQ02.11.015.110.12R
12	25	65	105	12	2	SQ02.12.025.105.12R
12	25	85	120	12	2	SQ02.12.025.120.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SQ31 – 199Ra
positive



VHM | Z2 | RH

Technical details:

- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking
- Round nose

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


PLASTICS ●●○


CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	R mm	ARTICLE
3	10	60	3	1,5	SQ31.03.010.060.03R
3	10	60	6	1,5	SQ31.03.010.060.06R
4	10	60	4	2	SQ31.04.010.060.04R
4	12	60	6	2	SQ31.04.012.060.06R
5	12	60	5	2,5	SQ31.05.012.060.05R
6	22	60	6	3	SQ31.06.022.060.06R
8	22	60	8	4	SQ31.08.022.060.08R
10	22	60	10	5	SQ31.10.022.060.10R
10	45	100	10	5	SQ31.10.045.100.10R
12	25	70	12	6	SQ31.12.025.070.12R
12	42	90	12	6	SQ31.12.042.090.12R
16	35	90	16	8	SQ31.16.035.090.16R

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

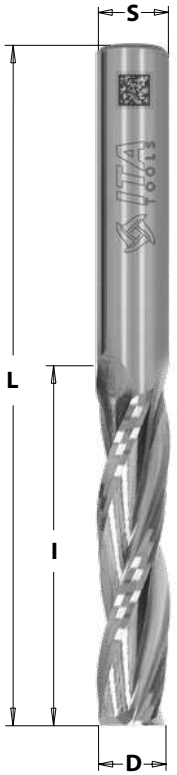
Sizes in inches:

D inch	I inch	L inch	S inch	R inch	ARTICLE
1/8	1/2	2 1/2	1/8	1/16	SQ31.32.953.635.32R
3/16	5/8	2 1/2	3/16	3/32	SQ31.48.159.635.48R
1/4	1	2 1/2	1/4	1/8	SQ31.64.254.635.64R
1/2	1	3 1/4	1/2	1/4	SQ31.13.254.826.13R
5/8	1 1/2	3 1/2	5/8	5/16	SQ31.16.381.889.16R
3/4	1 3/4	3 1/2	3/4	3/8	SQ31.19.445.889.19R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SR01 – 193Ra
positive



VHM | Z3 | RH

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


PLASTICS ●●○


CORIAN® / HPL ●○○

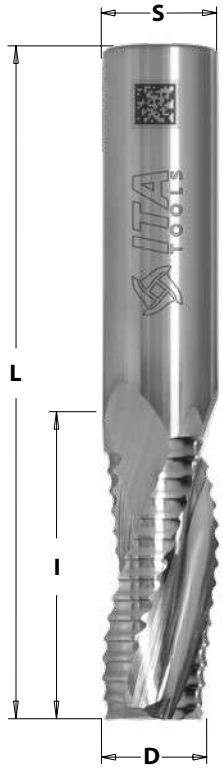
D mm	I mm	L mm	S mm	ARTICLE
4	12	60	4	SR01.04.012.060.04R
6	22	60	6	SR01.06.022.060.06R
8	35	80	8	SR01.08.035.080.08R
10	32	80	10	SR01.10.032.080.10R
12	32	90	12	SR01.12.032.090.12R
16	55	110	16	SR01.16.055.110.16R
20	60	120	20	SR01.20.060.120.20R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

SR33 – 195Ra
positive



VHM | Z3 | RH

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry
- Polished spiral prevents material sticking

Application:


CUTTING


JOINTING

Materials:


ALUMINUM ●●●


CORIAN® / HPL ●●○

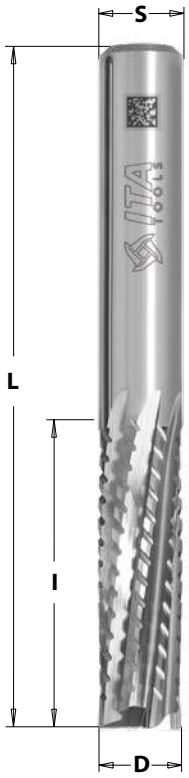

PLASTICS ●●○

D mm	I mm	L mm	S mm	ARTICLE
6	22	60	6	SR33.06.022.060.06R
8	32	70	8	SR33.08.032.070.08R
10	32	80	10	SR33.10.032.080.10R
10	65	115	10	SR33.10.065.115.10R
12	32	80	12	SR33.12.032.080.12R
16	32	90	16	SR33.16.032.090.16R
16	55	110	16	SR33.16.055.110.16R
20	32	80	20	SR33.20.032.080.20R
20	60	120	20	SR33.20.060.120.20R
25	35	80	25	SR33.25.035.080.20R

Detailed information on protective coatings can be found on pages: 57-60.

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CPS
positive



VHM **RH**

Technical details:

- Multi-edge geometry
- Positive – upward chip ejection
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers

Application:


CUTTING


JOINTING

Materials:


CARBON FIBER ●●●


GLASS FIBER ●●●


CORIAN® / HPL ●●○

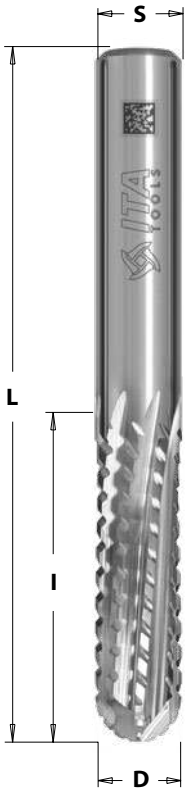
D mm	I mm	L mm	S mm	ARTICLE
3	10	45	3	CPS.03.010.045.03R
4	15	60	4	CPS.04.015.060.04R
4	15	60	6	CPS.04.015.060.06R
6	25	70	6	CPS.06.025.070.06R
8	30	80	8	CPS.08.030.080.08R
10	35	80	10	CPS.10.035.080.10R
12	40	90	12	CPS.12.040.090.12R

Detailed information on protective coatings can be found on pages: 57-60.

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

CPU
positive



VHM **RH**

Technical details:

- Multi-edge geometry
- Positive – upward chip ejection
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers
- Round nose

Application:


CUTTING


JOINTING

Materials:


CARBON FIBER ●●●


GLASS FIBER ●●●


CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	R	ARTICLE
3	10	45	3	1,5	CPU.03.010.045.03R
4	15	60	4	2	CPU.04.015.060.04R
8	30	80	8	4	CPU.08.030.080.08R
10	35	80	10	5	CPU.10.035.080.10R
12	40	90	12	6	CPU.12.040.090.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

CSS
straight



VHM **RH**

Technical details:

- Multi-edge geometry
- Straight- chip ejection to the side
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers

Application:



CUTTING | JOINTING | GROOVING

Materials:



CARBON FIBER ●●● | GLASS FIBER ●●● | CORIAN® / HPL ●○○

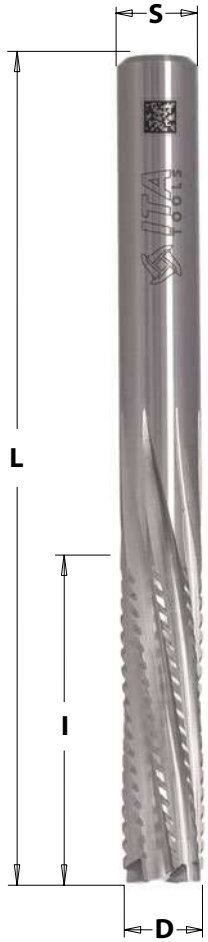
D mm	I mm	L mm	S mm	ARTICLE
3	10	45	3	CSS.03.010.045.03R
4	15	60	4	CSS.04.015.060.04R
4	15	60	6	CSS.04.015.060.06R
6	20	60	6	CSS.06.020.060.06R
8	30	80	8	CSS.08.030.080.08R
10	35	80	10	CSS.10.035.080.10R
12	40	90	12	CSS.12.040.090.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

CVS
negative



VHM **RH**

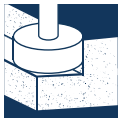
Technical details:

- Multi-edge geometry
- Negative – downward chip ejection
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers

Application:


CUTTING


JOINTING


RABBETING


GROOVING

Materials:


CARBON FIBER ●●●


GLASS FIBER ●●●


CORIAN® / HPL ●○○

D mm	I mm	L mm	S mm	ARTICLE
3	10	45	3	CVS.03.010.045.03R
3	10	60	6	CVS.03.010.060.06R
4	15	60	4	CVS.04.015.060.04R
5	15	60	5	CVS.05.015.060.05R
6	20	70	6	CVS.06.020.070.06R
8	30	80	8	CVS.08.030.080.08R
10	35	80	10	CVS.10.035.080.10R
12	40	90	12	CVS.12.040.090.12R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

CNS / CNV / CNR / CNU
positive-negative

VHM **RH**



Technical details:

- Multi-edge geometry
- Straight- chip ejection to the side
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers
- 3 versions of the tip:
  - CNS – standard
  - CNR – rosette
  - CNV – drilling
  - CNU – ball nose


CNS


CNR


CNV


CNU

Application:


CUTTING


JOINTING

Materials:


CARBON FIBER ●●●


GLASS FIBER ●●●


CORIAN® / HPL ●●○


PLYWOOD ●●○

D mm	I mm	L mm	S mm	ARTICLE ROSETTE TIP
3	10	45	3	CNR.03.010.045.03R
3	10	60	6	CNR.03.010.060.06R
4	18	60	4	CNR.04.018.060.04R
4	22	60	5	CNR.04.022.060.05R
4	22	60	6	CNR.04.022.060.06R
6	15	60	6	CNR.06.015.060.06R
6	24	60	6	CNR.06.024.060.06R
6	25	70	6	CNR.06.025.070.06R
6	30	70	6	CNR.06.030.070.06R
8	25	80	8	CNR.08.025.080.08R

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

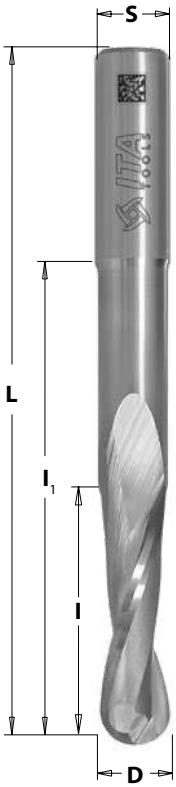
D mm	I mm	L mm	S mm	ARTICLE ROSETTE TIP
8	35	80	8	CNR.08.035.080.08R
8	30	80	8	CNR.08.030.080.08R
10	30	90	10	CNR.10.030.090.10R
10	35	80	10	CNR.10.035.080.10R
12	30	90	12	CNR.12.030.090.12R
16	45	100	16	CNR.16.045.100.16R

Changing the version of the tip changes the article index.

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SQ32 – 199Rm
positive



VHM | Z2 | RH

Technical details:

- 2 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking
- Extended body with lowering
- Round nose

Application:


CUTTING


JOINTING

3D
3D MODELS

Materials:


ALUMINUM
●●●


CORIAN® / HPL
●○○

D mm	I mm	I_1 mm	L mm	S mm	R mm	ARTICLE
4	10	25	60	6	2	SQ32.04.010.060.06R
6	22	45	80	6	3	SQ32.06.022.080.06R
8	22	65	100	8	4	SQ32.08.022.100.08R
8	22	85	120	8	4	SQ32.08.022.120.08R
10	20	75	110	10	5	SQ32.10.020.110.10R
10	30	100	150	10	5	SQ32.10.030.150.10R
12	30	80	120	12	6	SQ32.12.030.120.12R
12	30	120	160	12	6	SQ32.12.030.160.12R
16	40	100	150	16	8	SQ32.16.040.150.16R
16	40	150	200	16	8	SQ32.16.040.200.16R
20	40	100	150	20	10	SQ32.20.040.150.20R
20	40	150	200	20	10	SQ32.20.040.200.20R
20	40	200	250	20	10	SQ32.20.040.250.20R

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

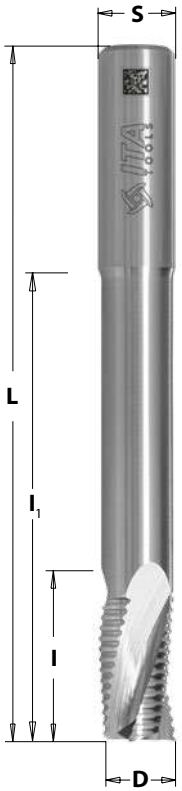
Sizes in inches:

D inch	I inch	I_1 inch	L inch	S inch	R inch	ARTICLE
3/16	5/8	1	2 1/2	3/16	3/32	SQ32.48.159.635.48R
1/4	1	1 3/4	3 1/4	1/4	1/8	SQ32.64.254.826.64R
3/8	1	2 1/2	4	3/8	3/19	SQ32.95.254.102.95R
1/2	1 1/4	3 1/4	5	1/2	1/4	SQ32.13.318.127.13R
5/8	1 3/4	4	6	5/8	5/16	SQ32.16.445.152.16R
3/4	1 3/4	6	8	3/4	3/8	SQ32.19.445.203.19R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SR34 – 195Rm
positive



VHM | Z3 | RH

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Roughing geometry
- Polished spiral prevents material sticking
- Extended body with lowering

Application:


CUTTING


JOINTING

3D
3D MODELS

Materials:


ALUMINUM
●●●


CORIAN® / HPL
●○○

D mm	I mm	l_1 mm	L mm	S mm	ARTICLE
16	40	100	150	16	SR34.16.040.150.16R
16	40	150	200	16	SR34.16.040.200.16R
20	40	200	250	20	SR34.20.040.250.20R
25	40	200	250	25	SR34.25.040.250.25R

Sizes in inches:

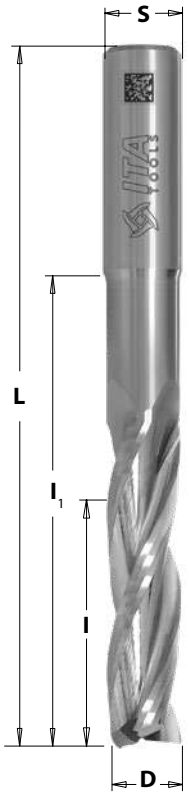
D inch	I inch	l_1 inch	L inch	S inch	ARTICLE
5/8	1 3/4	4	6	5/8	SR34.16.445.152.16R
3/4	1 3/4	6	8	3/4	SR34.19.445.203.19R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

SR02 – 193Rm
positive



VHM | RH | Z3

Technical details:

- 3 flute spiral cutter
- Positive – upward chip ejection
- Finishing geometry
- Polished spiral prevents material sticking
- Extended body with lowering
- Round nose

Application:


CUTTING


JOINTING

3D

3D MODELS

Materials:


ALUMINUM ●●●


CORIAN® / HPL ●○○

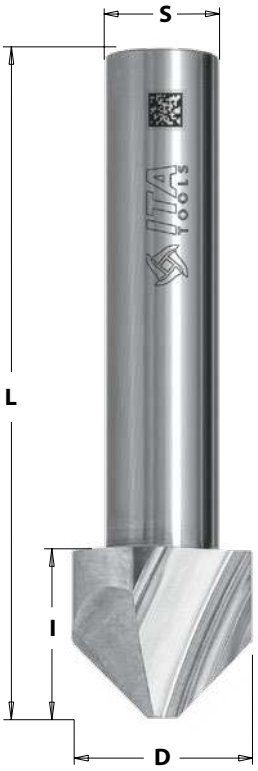
D mm	I mm	l_1 mm	L mm	S mm	ARTICLE
16	40	100	150	16	SR02.16.040.150.16R
16	40	150	200	16	SR02.16.040.200.16R
20	40	150	200	20	SR02.20.040.200.20R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

FVH – 915Ra

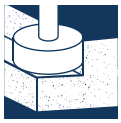
VHM **RH**



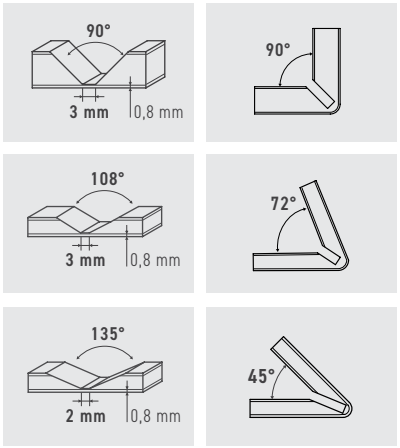
Technical details:

- Dibond bend cutter, 4 different types: V-90, V-108, V-135, 1,8mm

Application:


RABBETING


BENDING



Materials:


ALUCOBOND®
●●●


ALUCOBOND® A2
●○○

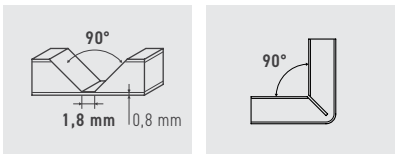
D mm	I mm	L mm	S mm	α	ARTICLE
16	15	60	10	90°	FVH.16.015.060.10Ra1
16	15	60	12	90°	FVH.16.015.060.12Ra1
16	15	60	12	108°	FVH.16.015.060.12Ra2
18	15	60	12	135°	FVH.18.015.060.12Ra3



Dibond bend cutter Z1, 1,8 mm:

D mm	I mm	L mm	S mm	α	ARTICLE
10	4,12	50	10	90°	FVH.10.004.050.10Ra1

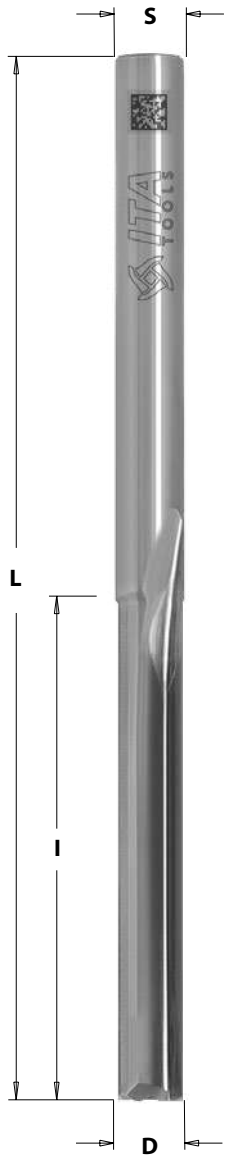
Detailed information on protective coatings can be found on pages: 57-60.



®Brand names mentioned in ITA TOOLS products are the property of their respective owners

For more tool dimensions, log in to our B2B System b2b-itatools.pl

SY26 – 912RPi
straight



VHM | RH | Z2

Technical details:

- 2 straight blades cutter
- Straight-chip ejection to the side
- Polished spiral prevent material sticking

Application:



CUTTING | JOINTING | GROOVING

Materials:



FOAM ●●● | CORIAN® / HPL ●○○ | PLASTICS ●○○

D mm	I mm	L mm	S mm	ARTICLE
3	15	60	3	SY26.03.015.060.03R
4	15	60	4	SY26.04.015.060.04R
4	15	75	4	SY26.04.015.075.04R
5	15	75	5	SY26.05.015.075.05R
6	20	70	6	SY26.06.020.070.06R
6	25	60	6	SY26.06.025.060.06R
6	42	90	6	SY26.06.042.090.06R
8	70	120	8	SY26.08.070.120.08R
12	20	100	12	SY26.12.020.100.12R
12	50	140	12	SY26.12.050.140.12R
12	70	140	12	SY26.12.070.140.12R
16	40	160	16	SY26.16.040.160.16R
20	30	273	20	SY26.20.030.273.20R

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SY26.XR – 912XRi
straight



VHM | RH | Z2

Technical details:

- 2 straight blades cutter
- Straight-chip ejection to the side
- Polished spiral prevents material sticking
- NaDia coating

Application:



CUTTING | JOINTING | GROOVING

Materials:



CORIAN® / HPL ●●● | PLASTICS ●●●

D mm	I mm	L mm	S mm	ARTICLE
4	15	60	4	SY26.04.015.060.04XR
6	15	60	6	SY26.06.015.060.06XR
8	15	60	8	SY26.08.015.060.08XR
10	15	60	10	SY26.10.015.060.10XR

Detailed information on protective coatings can be found on pages: 57-60.

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

FVI – 915Rs

VHM | RH | Z2 | Z4



Technical details:

- Chamfer cutter, 3 different types: V-22,5°, V-30°, V-45°
- Special type of carbide – increased tool life
- R2 and R3 radius cutters
- Possibility of using variety of coatings

Application:



CHAMFERING

Materials:



ALUCOBOND®

●●○



ALUCOBOND® A2

●●○



PLASTICS

●○○

Z2 for Rounding:

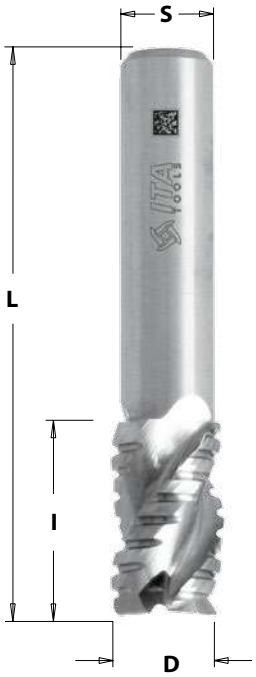
D mm	D_1 mm	I mm	L mm	S mm	R mm	ARTICLE
10	2	2	60	10	2	FVI.10.002.060.10R2
10	2	3	60	10	3	FVI.10.003.060.10R3

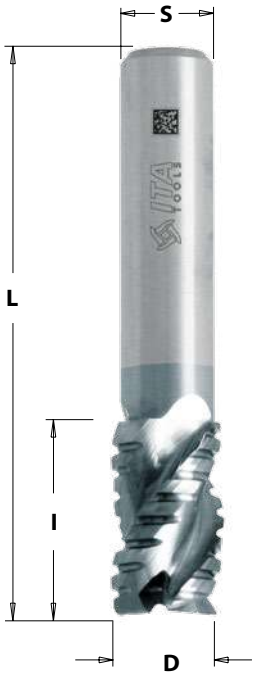
Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

SW03 – S93
positive

NEW





VHM | Z3 | Z4 | RH | LH

Technical details:

- Three flute router bit with chip breaker
- Right and left rotating cutter
- Polished chip flute prevents material sticking
- Upward chip ejection
- Special type of carbide with increased tool life
- Coating possible

Application:

For milling cross-sections of PVC profiles in machines for shaped, flashless joining of profiles. Designed for use on GRAF SYNERGY® machines.

D mm	I mm	L mm	S mm	ARTICLE
6	10	30	5	SW03.06.010.030.05HR
6	10	30	5	SW03.06.010.030.05HL

Detailed information on protective coatings can be found on pages: 57-60.

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

FDT | FDH





Z2 | RH | LASER ABLATION

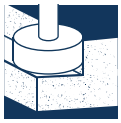
Technical details:

- Full double PCD tips,
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Height of PCD tip 4 mm
- Can be resharpened (3-4 times)

Advantages:

Excellent finish of machining elements, quiet work.

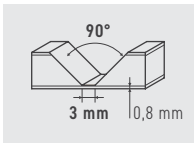
Application:

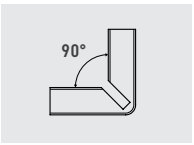


RABBETING



BENDING





Materials:



ALUCOBOND®

●●●



ALUCOBOND® A2

●●●

FDT for Cutting:

D mm	D_1 mm	l mm	L mm	S mm	α	ARTICLE
12	7	6,5	80	12	45°	FDT.12.006.12.0SR
12	6	6,5	80	12	45°	FDT.12.006.12.1SR

FDH for Bending:

D mm	D_1 mm	l mm	L mm	S mm	α	ARTICLE
12	2	6	55	12	45°	FDH.12.006.12.0SR
18	3	7,75	50	16	45°	FDH.18.007.16.0SR

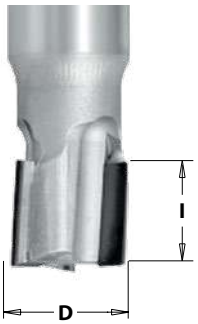
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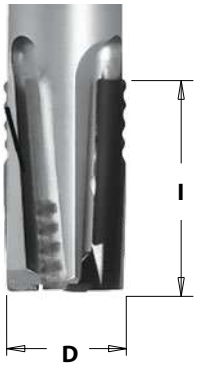
DT1/2/3/R/5

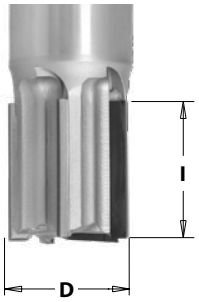
RH

LASER ABLATION









Technical details:

- PCD tips,
- Body made from stainless steel > 28 HRC + HM + DENSIMET
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Can be resharpened (3-4 times)

Application:

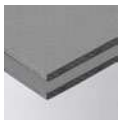


CUTTING



GROOVING

Materials:



FIBER CEMENT ●●●



GLASS FIBER/ CARBON FIBER ●●●



CORIAN®/HPL ●●●



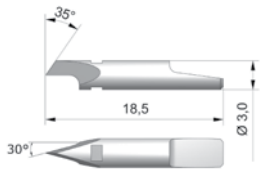
ALUMINUM ●●●

D mm	I mm	L mm	S mm	Z	PCD H mm	BODY	ARTICLE
6	5	50	6	1	3	HM	DT1.06.005.06.0MR
6	11	50	6	1	3	HM	DT1.06.011.06.0MR
12	5	55	12	2	2,5	STAINLESS STEEL	DT2.12.005.12.0SR
12	15	85	12	3	3	STAINLESS STEEL	DT3.12.015.12.0SR
12	15	70	12	3	3,5	DENSIMET®	DT3.12.015.12.0DR
12	15	70	12	4	3	DENSIMET®	DTR.12.015.12.1DR* NEW
16	10	130	16	5	3	STAINLESS STEEL	DT5.16.010.16.2SR
18	22	100	20	5	3	STAINLESS STEEL	DT5.18.022.20.0SR
20	22	80	20	5	3	STAINLESS STEEL	DT5.20.022.20.0SR

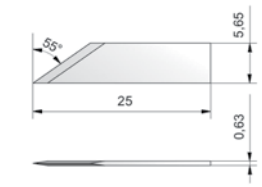
*with chipbreaker

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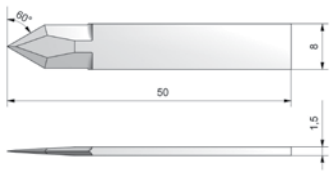
For more tool dimensions, log in to our B2B System **b2b-itatools.pl**



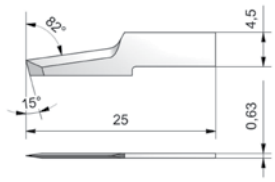
ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.2	Zünd Z2 Esko BLD-KC102 (i-102)	Type*	R, Z, K
		Pre-cut	1,43 x Tm
		Post-cut	---
		Max. cut depth	1,00 mm



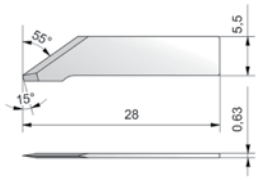
ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.16	Zünd Z16 Esko BLD-SF216 (i-216) Bullmer B16	Type*	F, Z, O
		Pre-cut	0,73 x Tm
		Post-cut	---
		Max. cut depth	7,40 mm



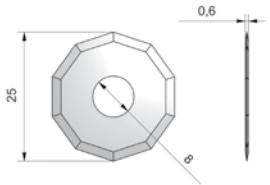
ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.44	Zünd Z44	Type*	F, Z
		Pre-cut	0,58 x Tm
		Post-cut	0,58 x Tm
		Max. cut depth	14,00 mm



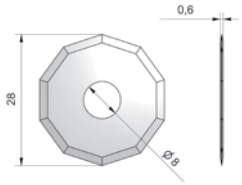
ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.41	Zünd Z41	Type*	F, O
		Pre-cut	0,8 + 0,18 x Tm
		Post-cut	1,20 mm
		Max. cut depth	11,30 mm



ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.42	Zünd Z42 Bullmer 107506	Type*	F, O
		Pre-cut	0,05 + 0,7 x Tm
		Post-cut	0,80 mm
		Max. cut depth	7,80 mm



ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.50	Zünd Z50 Esko BLD-RC110	Type*	Rot
		Max. cut depth	3,50 mm



ARTICLE	MACHINE	TECHNICAL DETAILS	
ITA.51	Zünd Z51	Type*	Rot
		Max. cut depth	5,00 mm

LEGEND | Types of knives

F - Flat
R - Arbor
Z - Drag knive
O - Oscillating
Rot - Rotary
Round - Round blade
P - Passe-partout
K - Kiss-Cut
T - Tangent

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Chapter

CNC Router Cutters, Chucks & Accessories



HSK63F series

p. 131

HSK63F series with Bearing Nut

p. 131

HSK63F HYDRO

p. 132

HSK63F SHRINK-FIT

p. 132

H6FPDX SHRINK-FIT SLIM

p. 133

ISO30 DIN 69871

p. 134

Assembly supports for ISO chucks

p. 135

HSK.63F/ISO.30

p. 135

HSK63F DIN 69893

p. 136

Extension for Precision Collets

p. 137

Fixing Nuts for Chucks ISO/ HSK Standard DIN 6499

p. 137

Precision Collets

p. 138-139

HSK63F SBA.H6F

p. 140

SBA.S20 Saw Blade Arbor with Parallel Shank

p. 140

Spanners

p. 141

Tool Holder Clamp CNC

p. 141

DUST Kinetic Dust Extractor

NEW

s. 142

EPDM Rope of Cellular Rubber Round

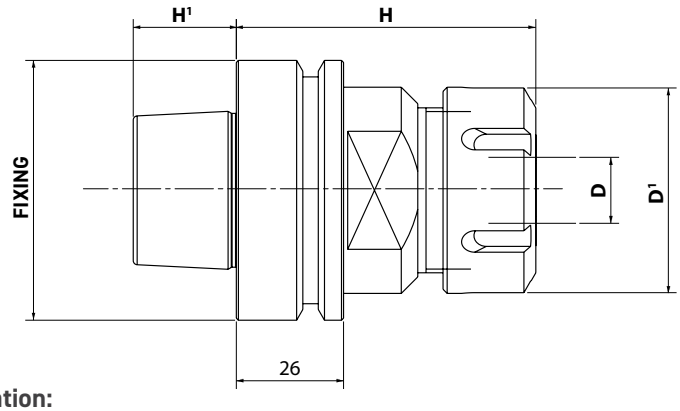
p. 142

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

HSK63F
DIN 69893



RH **LH**



Application:
For machines type: BIESSE®, EIMA®, HOMAG®, SCM®, IMA® (from 9/94), WEEKE®, DUBUS®, BUSELLATO®.

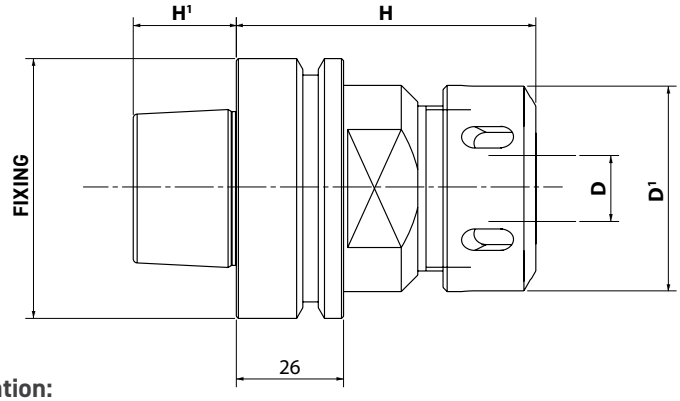
FIXING	SLEEVES	D mm		D¹ mm	H mm	H¹ mm	ROTATION	ARTICLE
		min.	max.					
HSK63F	ER32	3	20	50	73	25	RH	H6FPDX20 *
HSK63F	ER40	4	30	63	80	25	RH	H6FPDX26 *
HSK50F	ER32	3	20	50	65	20	RH	H5FPDX20BS

*** blind hole**

HSK63F
with Bearing Nut



RH **LH**



Application:
For machines type: BIESSE®, EIMA®, HOMAG®, SCM®, IMA® (from 9/94), WEEKE®, DUBUS®, BUSELLATO®.

FIXING	SLEEVES	D mm		D¹ mm	H mm	H¹ mm	ROTATION	ARTICLE
		min.	max.					
HSK63F	ER32	3	20	50	73	25	RH	H6FPDX20.BN *
HSK63F	ER40	4	30	63	80	25	RH	H6FPDX26.BN *
HSK63F	EOC25	2	25	60	80	25	RH	H6FPDX25.BN *
HSK63F	EOC25	2	25	60	80	25	RH	H6FPDX25

*** blind hole**

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HSK63F
HYDRO

RH **LH**



Advantages:
- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations

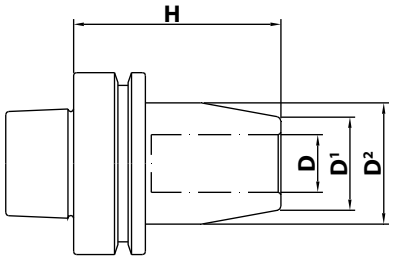
Application:
Precise HYDRO chuck offer exceptional precision and clamping stability, resulting in improved machining quality, reduced tool runout, and extended tool and spindle life. Additionally, their quick and easy clamping system helps to save time during machine setup and tool changes.

D^1 mm	D^2 mm	D^3 mm	H^1 mm	H^2 mm	H^3 mm	H^4 mm	ARTICLE
12	22	43,5	75	49	18	40	H6FPDXHYDRO12
16	26	48	75	49	28	50	H6FPDXHYDRO16
20	30	52	75	49	30	52	H6FPDXHYDRO20

HSK63F
SHRINK-FIT

RH
LH





Advantages:
- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations
- The power of clamp around 1300 Nm

Application:
SHRINK-FIT tool holders provide high clamping force and excellent concentricity, which ensures vibration-free machining, precise cutting performance, and longer tool. Slimlim and balanced design also makes them ideal for hard-to-reach areas. To perform the tool replacement independently, dedicated equipment is required.

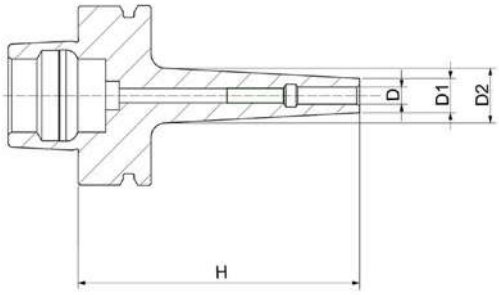
FIXING	D mm	D^1 mm	D^2 mm	H mm	ROTATION	ARTICLE
HSK63F	6	21	29	76	RH/LH	H6FPDXTH06
HSK63F	8	21	29	76	RH/LH	H6FPDXTHO08
HSK63F	10	24	32	76	RH/LH	H6FPDXTH10
HSK63F	12	24	32	76	RH/LH	H6FPDXTH12
HSK63F	16	27	34	76	RH/LH	H6FPDXTH16
HSK63F	20	33	42	76	RH/LH	H6FPDXTHO20
HSK63F	25	44	53	76	RH/LH	H6FPDXTHO25

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H6FPDX
SHRINK-FIT SLIM





RH **LH**

Advantages:

- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations
- The power of clamp around 1300 Nm

Application:

SHRINK-FIT tool holders provide high clamping force and excellent concentricity, which ensures vibration-free machining, precise cutting performance, and longer tool life To perform the tool replacement independently, dedicated equipment is required.

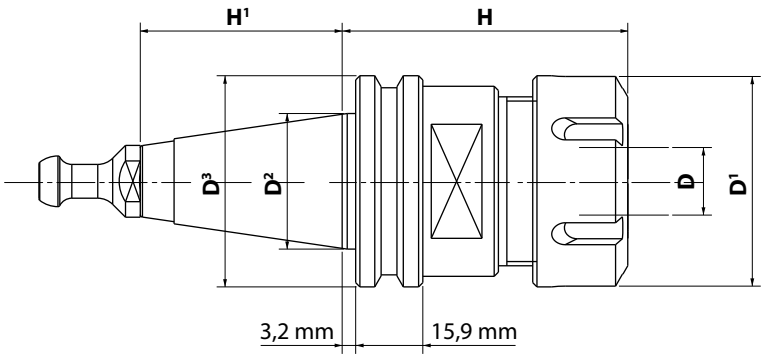
FIXING	D¹ mm	D² mm	D³ mm	H mm	ROTATION	ARTICLE
HSK63F	6	12	19,3	100	RH/LH	H6FPDXTH06.A100M
HSK63F	6	12	24,8	150	RH/LH	H6FPDXTH06.A150M
HSK63F	6	12	29,7	200	RH/LH	H6FPDXTH06.A200M
HSK63F	8	21	28,3	100	RH/LH	H6FPDXTH08.A100M
HSK63F	8	21	33,5	150	RH/LH	H6FPDXTH08.A150M
HSK63F	8	21	38,7	200	RH/LH	H6FPDXTH08.A200M
HSK63F	10	16	23,2	100	RH/LH	H6FPDXTH10.A100M
HSK63F	10	16	28,5	150	RH/LH	H6FPDXTH10.A150M
HSK63F	10	16	33,7	200	RH/LH	H6FPDXTH10.A200M
HSK63F	12	18	25,3	100	RH/LH	H6FPDXTH12.A100M
HSK63F	12	18	30,5	150	RH/LH	H6FPDXTH12.A150M
HSK63F	12	18	35,7	200	RH/LH	H6FPDXTH12.A200M
HSK63F	16	22	29,26	100	RH/LH	H6FPDXTH16.A100M
HSK63F	16	22	34,2	150	RH/LH	H6FPDXTH16.A150M
HSK63F	16	22	35	200	RH/LH	H6FPDXTH16.A200M
HSK63F	20	26	32,9	100	RH/LH	H6FPDXTH20.A100M
HSK63F	20	26	38,2	150	RH/LH	H6FPDXTH20.A150M
HSK63F	20	26	43,5	200	RH/LH	H6FPDXTH20.A200M
HSK63F	25	31	38,56	100	RH/LH	H6FPDXTH25.A100M
HSK63F	25	31	43,7	150	RH/LH	H6FPDXTH25.A150M
HSK63F	25	31	46	200	RH/LH	H6FPDXTH25.A200M

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ISO30
DIN 69871

RH **LH**





Application:
For CNC machines: BIESSE®, COSMEC®, MASTERWOOD®.

FIXING	COLLET	D mm		D¹ mm	D² mm	D³ mm	H mm	H¹ mm	ROTATION	ARTICLE
		min.	max.							
ISO 30	ER32	3	20	50	31,75	50	50	47,8	RH	B30PDX20
ISO 30	ER32	3	20	50	31,75	50	50	47,8	RH	B30PDX20N
ISO 30	ER40	4	30	63	31,75	50	57	47,8	RH	B30PDX26

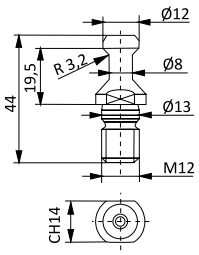
Application:
For CNC machines: MORBIDELLI®, EIMA®, DUBUS®, WEEKE®.

FIXING	COLLET	D mm		D¹ mm	D² mm	D³ mm	H mm	H¹ mm	ROTATION	ARTICLE
		min.	max.							
ISO 30	ER32	3	20	50	31,75	50	68	47,8	RH	I30PDX20
ISO 30	ER32	3	20	50	31,75	50	68	47,8	LH	I30PSX20
ISO 30	ER40	4	30	63	31,75	50	68	47,8	RH	I30PDX26
ISO 30	ER40	4	30	63	31,75	50	68	47,8	LH	I30PSX26
ISO 30	EOC25	2	25	60	31,75	50	70	47,8	RH	I30PDX25
ISO 30	EOC25	2	25	60	31,75	50	70	47,8	LH	I30PSX25

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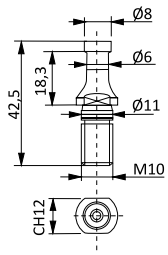
For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

CDM/930
Pull Studs for ISO Chucks



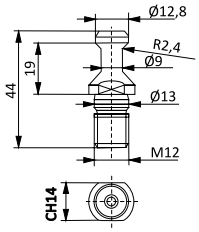


MACHINE TYPE	ARTICLE
BIESSE®, MASTERWOOD®, COSMEC®, ELETTROMANDRINI HSD®	CDM12BIE



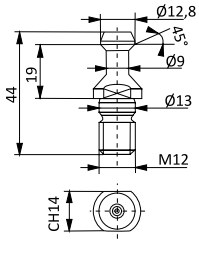


MACHINE TYPE	ARTICLE
SCM®, MORBIDELLI®	CDM10SCM



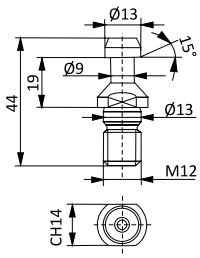


MACHINE TYPE	ARTICLE
CMS®	CDM12CMS



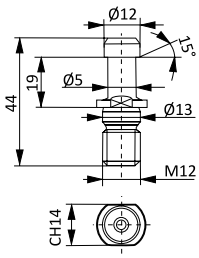


MACHINE TYPE	ARTICLE
ALBERTI®, MASTERWOOD®, ELETTROMANDRINI G®. COLOMBO®	CDM12ALB





MACHINE TYPE	ARTICLE
IMA®, MAKA®, WEEKE®, BULLERI®, REICHENBACHER®, BUSELLATO®, ESSETEAM®, ELETTROMANDRINI ELTE®	CDM10SCM





MACHINE TYPE	ARTICLE
ISO30DIN 7388/2A	930TIR11

HSK.63F/ISO.30
Universal Assembly Supports for Chucks



INFO	D mm	ARTICLE
Universal assembly supports for chucks HSK-F63	63	HSK.63F.Support
Universal assembly support for chucks ISO30	50	ISO.30.Support

Application:

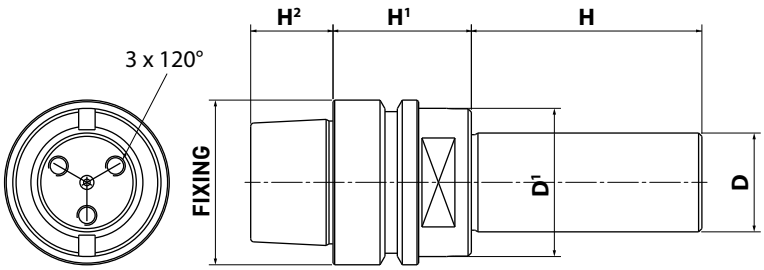
Universal assembly supports for HSK-63F and ISO30 chucks.
Thanks to the bi-directional roller bearings, which clamp the left-hand rotation to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.

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HSK63F
DIN 69893

RH
LH





Application:
For machines type: BIESSE, EIMA, HOMAG, SCM, IMA (from 9/94), WEEKE, DUBUS, BUSELLATO, MASTERWOOD®.

FIXING	D mm	D¹ mm	H mm	H¹ mm	H² mm	ARTICLE
HSK63F	30	45	70	42	25	H6FAPF30.70
HSK63F	30	45	80	42	25	H6FAPF30.80
HSK63F	30	45	100	42	25	H6FAPF30.100
HSK63F	30	45	150	42	25	H6FAPF30.150

Spacer rings:

D mm	F mm	I mm	ARTICLE
50	30	0,2	TUL.50.30.002
50	30	0,5	TUL.50.30.005
50	30	1	TUL.50.30.01
50	30	2	TUL.50.30.02
50	30	3	TUL.50.30.03
50	30	5	TUL.50.30.05
50	30	6	TUL.50.30.06

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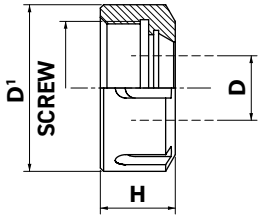
Extension for Precision Collets



FIXING	D mm	L mm	ARTICLE
ER32	20	160	183.ER32.S20.160
ER25M	25	160	183.ER25.S25.L160
ER25M	20	200	183.ER25.S20.L200
ER25M	20	160	183.ER25.S20.L160
ER25M	20	100	183.ER25.S20.L100
ER20	20	160	183.ER20.S20.L160
ER16M	25	130	183.ER16.S25.L130
ER16M	25	100	183.ER16.S25.L100
ER16M	20	270	183.ER16.S20.L270
ER16M	20	200	183.ER16.S20.L200
ER16M	20	160	183.ER16.S20.L160
ER16M	16	130	183.ER16.S16.L130
ER16M	16	100	183.ER16.S16.L100
ER11M	16	160	183.ER11.S16.L160
ER11M	16	130	183.ER11.S16.L130

Fixing Nuts for Chucks ISO/ HSK Standard
DIN 6499

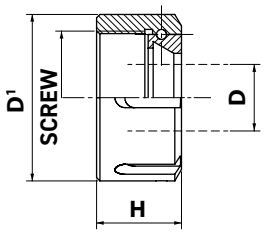




COLLET	D mm		D¹ mm	H mm	SCREW	ROTATION	ARTICLE
	min.	max.					
ER32	3	20	50	22,5	M40x1,5	RH	932GHCOD
ER32	3	20	50	22,5	M40x1,5	LH	932GHCOS

Fixing Nuts for Chucks ISO/ HSK
with bearing





COLLET	D mm		D¹ mm	H mm	SCREW	ROTATION	ARTICLE
	min.	max.					
ER32	3	3	50	26	M40x1,5	RH	932GHRSD
ER32	3	3	50	26	M40x1,5	LH	932GHRSS

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Precision Collets

EOC16
DIN6388



L mm	D mm	F mm	ARTICLE
40	25,5	2	EOC16D02
40	25,5	3	EOC16D03
40	25,5	4	EOC16D04
40	25,5	5	EOC16D05
40	25,5	6	EOC16D06
40	25,5	7	EOC16D07
40	25,5	8	EOC16D08
40	25,5	10	EOC16D10
40	25,5	12	EOC16D12
40	25,5	14	EOC16D14
40	25,5	16	EOC16D16

EOC25
DIN6388



L mm	D mm	F mm	ARTICLE
52	35	3	EOC25D03
52	35	6	EOC25D06
52	35	8	EOC25D08
52	35	10	EOC25D10
52	35	12	EOC25D12
52	35	16	EOC25D16
52	35	20	EOC25D20
52	35	25	EOC25D25

ER11
DIN6499



L mm	D mm	F mm	ARTICLE
18	11,5	2	ER11D02
18	11,5	3	ER11D03
18	11,5	4	ER11D04
18	11,5	5	ER11D05
18	11,5	6	ER11D06

ER16
DIN6499



L mm	D mm	F mm	ARTICLE
28	17	2	ER16D02
28	17	3	ER16D03
28	17	4	ER16D04
28	17	5	ER16D05
28	17	6	ER16D06
28	17	7	ER16D07
28	17	8	ER16D08
28	17	9	ER16D09
28	17	10	ER16D10

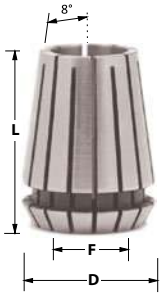
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ER20
DIN6499



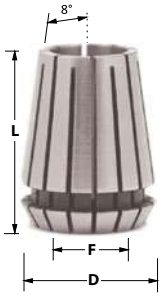
L mm	D mm	F mm	ARTICLE
32	21	2	ER20D02
32	21	3	ER20D03
32	21	4	ER20D04
32	21	5	ER20D05
32	21	6	ER20D06
32	21	7	ER20D07
32	21	8	ER20D08
32	21	9	ER20D09
32	21	10	ER20D10
32	21	11	ER20D11
32	21	12	ER20D12
32	21	13	ER20D13

ER25
DIN6499



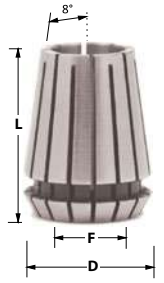
L mm	D mm	F mm	ARTICLE
34	26	10	ER25D10
34	26	12	ER25D12
34	26	16	ER25D16

ER32
DIN6499



L mm	D mm	F mm	ARTICLE
40	33	3	ER32D03
40	33	4	ER32D04
40	33	6	ER32D06
40	33	8	ER32D08
40	33	10	ER32D10
40	33	12	ER32D12
40	33	14	ER32D14
40	33	16	ER32D16
40	33	20	ER32D20

ER40
DIN6499



L mm	D mm	F mm	ARTICLE
46	41	6	ER40D06
46	41	10	ER40D10
46	41	12	ER40D12
46	41	20	ER40D20
46	41	25	ER40D25

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HSK63F
SBA.H6F



RH
LH

Advantages:

- High precision, extreme reliability and perfect tool centering
- Made of very high strength special steel, precision ground on all mating surfaces
- Very high transmissible power

Application:

Precise HSK Chuck for grooving blade specifically designed for right or left-hand rotation with self-locking antagonist threads.

FIXING	D mm	B mm	L mm	PH	ARTICLE	MAX SAW BLADE DIAMETER mm
HSK63F	59	30	78	4/M6/48	SBA.H6F.30.250	250
HSK63F	98	30	94	6/M6/80	SBA.H6F.30.300	300
HSK63F	110	30	40	6/M6/80	SBA.H6F.30.350	350

SBA.S20
Saw Blade Arbor with Parallel Shank





RH **LH**

Advantages:

- Extreme precision and reliability
- Perfect tool centering and defect-free rotation
- Made from extremely high resistant steel
- Precision grinding on all jointed parts
- Extreme high rotation performance > 15 HP – 20.000 RPM
- For very efficient sizing on extreme unprecedented high feed speed
- Excellent finishing quality on the workpiece and longer tool life
- Sturdy design with reduced height to increase the work space between the machine and the piece.
- Interchangeable collet clamps with radial grooves for secure parallel tool clamping and wide clamping tolerance (-0.7mm)

Application:

Saw blade arbor with parallel shank for machining centres, point-to-point machines and CNC routers.

Safety tips:

The TW-006 TORQUE SCREWDRIVER is recommended for the proper fastening of screws.

S mm	D mm	B mm	L mm	PH	ARTICLE	MAX SAW BLADE DIAMETER mm
20	59	30	97,5	4/M6/48	SBA.S20.30.250	250

Spare parts:

990.116.00 – SCREWS M6x8.7x12 TSPEI	**991.064.00** – SPANNER 4mm

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991
CNC Spanners



INFO	W	ARTICLE
C-SPANNERS	45 – 50	991.123.00
C-SPANNERS	58 – 62 – 65	991.283.00

993/940
CNC Spanners



ER/ETS	ARTICLE
32	932CHVST
40	940CHVST

925
CNC Spanners



EOC	ARTICLE
25	925CHVOC

940
Dynamometric spanners



MOCOWANIE	ARTICLE
ER40/ETS	940CHVST.DYN
ER32/ETS	932CHVST.DYN
ER25/ETC	925CHVST.DYN
EOC25	925CHVOC.DYN.M

I30.CNC.BIE
Tool Holder Clamp CNC



Application:
Tool holder clamp for BIESSE machines.

INFO	ARTICLE
Tool Holder Clamp SK30 BIESSE machines	I30.CNC.BIE

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DUST
Kinetic Dust Extractor with Precision Collets







RH

Advantages:

- Fixing collet made of steel
- The unique arrangement and geometry of the blades cause the chip to be thrown upwards directly into the extraction unit
- The shape of the blades reduces the noise generated during operation
- Very easy to use
- Increases tool life and reduces production costs
- Recomended for nesting and routing operations
- Replaces the standard clamping nut
- Suitable for any collet chucks with standard router bits
- Available for: ER32, ER40, EOC25 collets

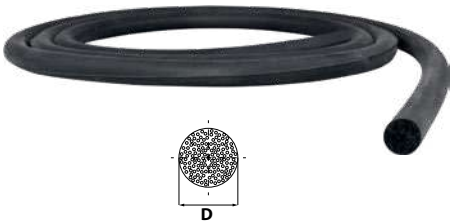
INFO	ARTICLE
Kinetic dust extractor – collet EOC25	EOC25.DUST
Kinetic dust extractor – collet ER40	ER40.DUST
Kinetic dust extractor – collet ER32	ER32.DUST

Spare parts:

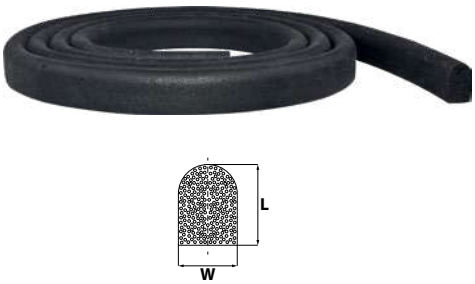
WR.DUST – CNC SPANNER

EPDM
Rope of Cellular Rubber Round

Application:
For template production, sealing grid tables, seals in machines with console tables.



D mm	ARTICLE
6	EPDM06
7	EPDM07
8	EPDM08



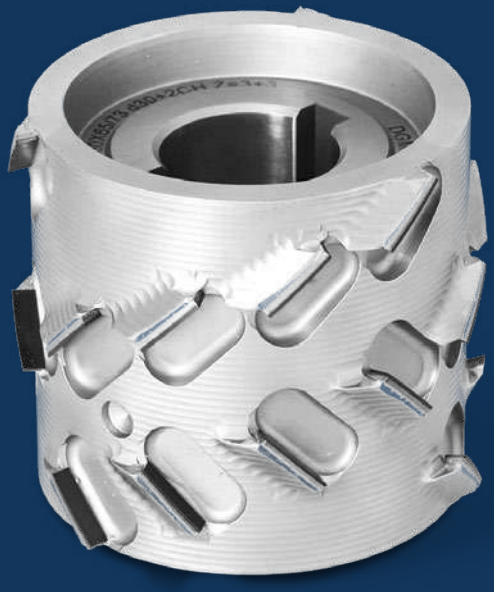
W x L mm	ARTICLE
6 x 10	EPDM6X10
6 x 8	EPDM6X8
6 x 10	EPDM6X10

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EDGEBANDING PROCESS





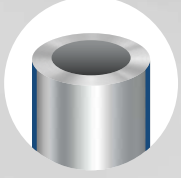
PREMILL PCD CUTTER HEADS

DGM and DGL series

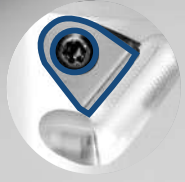


Versed body made with stainless steel significantly **reduces noise level.**





G2.5 class balance eliminates vibrations even at maximum speed.



Special design of the changeable inserts allows for tightening with greater force without the risk of breakage.



Teeth protruding beyond the body and a separate channel for each tooth facilitate chip evacuation.

PCD teeth sharpened with an innovative **laser ablation method**. The previously unseen sharpness of the teeth translates into an ideal surface of the processed material.

Bore made in **tolerance of H7** eliminate runout which extends the service life of machine.

Lightweight body made with aluminum reduces the load on the machine spindle.

Chapter

Tools for Edge Banding Machines



DGM series



p. 147

DGL series



p. 150

DGB series



p. 152

DGB series



p. 153

GKN, GK2 series



p. 154

HOG series



p. 155

PKA series



p. 156

Edgebanding Machine Knives



p. 158

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

DGM



SYMMETRICAL ROTATION



ASYMETRICAL ROTATION

RH | LH | SYM | LASER ABLATION

Technical details:

- Height of PCD tip 4,5 mm
- Can be resharpened (5–6 times)
- Additional grooves at the main hole 4x8 (DKN)

Application:

Finishing Diamond cutter heads for edge banding machines with mechanical feed. Eliminating the run-out effects favourable for the service life of the machine. Suitable for MDF and chipboard panels. Easy selection for a specific machine model with a database of dedicated tools.

Specially designed verse stainless steel body significantly lowers noise level.



Teeth extended above the body and separate channel for each blade for better facilitate chip evacuation.

HOLE IN TOLERANCE

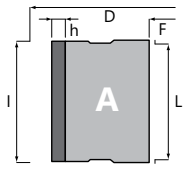
H7

Eliminating the run-out effects favourable for the service life of the machine.

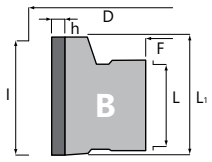
BALANCING CLASS

G2,5

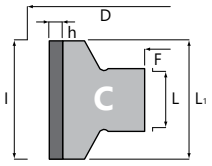
Cutter works evenly, without vibrations, even at maximum speed.



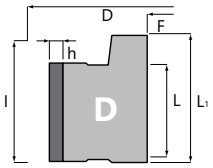
TYPE A



TYPE B



TYPE C



TYPE D

D mm	F mm	I mm	L mm	L_1 mm	Z	α	PLATES	PCD H mm	TYPE	MACHINE	ARTICLE RH	ARTICLE LH	
60	16 (DKN)	54	30	56	3+3	30°	18	4,5	C	BIMATIC®	DGM.060016054.0SC4		NEW
60	20 (DKN)	45	47	-	2+2	30°	10	2,5	A	LANGE®	DGM.060020045.0RA2	DGM.060020045.0LA2	NEW
60	20 (DKN)	48	42	50	3+3	30°	18	4,5	B	JAROMA, STOMANA	DGM.060020048.0RB4	DGM.060020048.0LB4	NEW
60	20 (DKN)	55	57	-	2+2	30°	12	2,5	A	LANGE®	DGM.060020055.0RA2	DGM.060020055.0LA2	
60	20 (DKN)	55	44	57	2+2	30°	14	4,5	B	CEHISA®, LANGE®	DGM.060020055.0RB4	DGM.060020055.0LB4	

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Premill PCD Cutter Heads with Brazed Knives for Edgebanding machines

D mm	F mm	I mm	L mm	L_1 mm	Z	α	PLATES	PCD H mm	TYPE	MACHINE	ARTICLE RH	ARTICLE LH
60	20 (DKN)	65	67	-	2+2	30°	16	2,5	A	CEHISA®, LANGE®	DGM.060020065.1RA2	DGM.060020065.1LA2
60	25 (DKN)	48	50	-	2+2	30°	12	2,5	A	HOLZING®	DGM.060025048.0RA2	DGM.060025048.0LA2
60	25 (DKN)	48	50	-	2+2	30°	12	4,5	A	FELDER®	DGM.060025048.0RA4	DGM.060025048.0LA4
60	25 (DKN)	48	50	63	2+2	30°	12	4,5	D	FELDER®	DGM.060025048.1RA4	DGM.060025048.1LA4
60	25 (DKN)	56	58	-	2+2	30°	14	4,5	A	FELDER®	DGM.060025056.0RA4	DGM.060025056.0LA4
60	25 (DKN)	64	66	-	2+2	30°	16	4,5	A	FELDER®	DGM.060025064.0RA4	DGM.060025064.0LA4
70	20 (DKN)	48	30	50	2+2	30°	12	4,5	C	LAZZONI®	DGM.070020048.2RC4	DGM.070020048.2LC4
70	20 (DKN)	48	30	50	3+3	30°	18	4,5	C	LAZZONI®	DGM.070020048.3RC4	DGM.070020048.3RC4
70	20 (DKN)	50	30	52	2+2	30°	12	2,5	C	TORK MAKINA®	DGM.070020050.0RC2T	DGM.070020050.0LC2T
70	20 (DKN)	50	30	52	2+2	30°	12	3,5	C	TURKISH MACHINES	DGM.070020050.0RC3T	DGM.070020050.0LC3T
70	25 (DKN)	48	50	61	3+3	30°	18	4,5	D	HEBROCK®	DGM.070025048.0RA4	DGM.070025048.0LA4
70	25 (DKN)	48	50	61	2+2	30°	18	2,5	D	HEBROCK®	DGM.070025048.2RA2	DGM.070025048.2LA2
70	30 (DKN)	56	37	59	2+2	30°	14	4,5	C	HOLZ-HER®	DGM.070030056.2RC4	DGM.070030056.2LC4
70	30 (DKN)	64	41,5	67	2+2	30°	16	4,5	C	HOLZ-HER®	DGM.070030064.0RC4	DGM.070030064.0LC4
70	30 (DKN)	64	41,5	67	3+3	30°	24	4,5	C	HOLZ-HER®	DGM.070030064.4RC4	DGM.070030064.4LC4
80	25 (DKN)	48	50	63	2+2	30°	12	4,5	D	FELDER®	DGM.080025048.1RA4	DGM.080025048.1LA4
80	25 (DKN)	48	50	63	3+3	30°	18	4,5	D	FELDER®	DGM.080025048.3RA4	DGM.080025048.3LA4
80	25 (DKN)	64	66	-	2+2	30°	16	4,5	A	FELDER®	DGM.080025064.1RA4	DGM.080025064.1LA4
80	25 (DKN)	64	66	-	3+3	30°	24	4,5	A	FELDER®	DGM.080025064.2RA4	DGM.080025064.2LA4
80	30 (DKN)	45	47	-	3+3	30°	18	4,5	A	BIESSE®	DGM.080030045.SSA4	
80	30 (DKN)	56	58	-	2+2	30°	14	4,5	A	SCM®	DGM.080030056.0RA4	DGM.080030056.0LA4
80	30 (DKN)	65	53	69	3+3	45°	24	4,5	C	BIESSE®	DGM.080030065.1SC4	
85	30 (DKN)	45	47	-	3+3	30°	18	4,5	A	OTT®	DGM.085030045.0RA4	DGM.085030045.0LA4
100	20 (DKN)	65	37	67	2+2	30°	16	4,5	C	CEHISA®	DGM.100020065.0RC4	DGM.100020065.0LC4
100	25 (DKN)	65	37	72	2+2	30°	16	4,5	B	CEHISA®	DGM.100020065.KRB4	DGM.100020065.KLB4
100	25 (DKN)	48	40,6	50	2+2	30°	12	4,5	B	BRANDT®	DGM.100025048.0RB4	DGM.100025048.0LB4
100	30 (DKN)	43	35,6	45	3+3	30°	15	4,5	B	BRANDT®, HOMAG®	DGM.100030043.0RB4	DGM.100030043.0LB4
100	30 (DKN)	45	47	61	2+2	30°	14	4,5	D	HEBROCK®	DGM.100030045.2RA4	DGM.100030045.2LA4
100	30 (DKN)	48	50	-	3+3	30°	18	4,5	A	SCM®	DGM.100030048.0RA4	DGM.100030048.0LA4
100	30 (DKN)	48	40,6	50	3+3	30°	18	4,5	B	BRANDT®	DGM.100030048.0RB4	DGM.100030048.0LB4
100	30 (DKN)	48	25	50	3+3	30°	18	4,5	C	SCM®, HOLZ-HER®	DGM.100030048.0RC4	DGM.100030048.0LC4
100	30 (DKN)	48	50	61	3+3	30°	18	4,5	D	HEBROCK®	DGM.100030048.2RA4	DGM.100030048.2LA4

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Other dimensions are available on request: **www.ita.tools**

Premill PCD Cutter Heads with Brazed Knives for Edgebanding machines

D mm	F mm	I mm	L mm	L_1 mm	Z	α	PLATES	PCD H mm	TYPE	MACHINE	ARTICLE RH	ARTICLE LH
100	30 (DKN)	51	52	58	3+3	30°	21	4,5	D	SCM®	DGM.100030051.0RA4	DGM.100030051.0LA4
100	30 (DKN)	64	40,6	66	3+3	30°	24	4,5	B	BRANDT®, HOMAG®	DGM.100030064.0RB4	DGM.100030064.0LB4
100	30 (DKN)	64	60	71	3+3	30°	24	4,5	D	SCM®	DGM.100030064.KRB4	DGM.100030064.KLB4
100	30 (DKN)	64	39	67	3+3	30°	24	4,5	C	BRANDT®, HOMAG®	DGM.100030064.0RC4	DGM.100030064.0LC4
125	30 (DKN)	34	36	-	3+3	30°	12	4,5	A	BIESSE®	DGM.125030034.0RA4	DGM.125030034.0LA4
125	30 (DKN)	40	42	-	3+3	30°	9	3,5	A	KDT®	DGM.125030040.0RA3	DGM.125030040.0LA3
125	30 (DKN)	43	39	45	3+3	30°	15	4,5	B	IMA ADVANTAGE®	DGM.125030043.0RB4	DGM.125030043.0LB4
125	30 (DKN)	43	36	45	3+3	30°	18	4,5	B	HOMAG®	DGM.125030043.1RB4	DGM.125030043.1LB4
125	30 (DKN)	43	33,5	45	3+3	30°	18	4,5	B	HOMAG®	DGM.125030043.2RB4	DGM.125030043.2LB4
125	30 (DKN)	45	47	-	3+3	32°	18	4,5	A	MASTERWOOD®, NANXING®	DGM.125030045.0RA4	DGM.125030045.0LA4
125	30 (DKN)	45	25	47	3+3	30°	18	4,5	C	BIESSE®	DGM.125030045.0RC4	DGM.125030045.0LC4
125	30 (DKN)	46	58,5	67	3+3	54°	27	4,5	D	BIESSE®	DGM.125030046.TRA4	DGM.125030046.TLA4
125	30 (DKN)	46	42	50	4+4	54°	40	4,5	C	BIESSE®, HOMAG®	DGM.125030046.TS44	
125	30 (DKN)	43	40	45	3+3	30°	18	4,5	C	HOMAG®	DGM.125030043.1SA4	
125	30 (DKN)	45	25	47	3+3	30°	18	4,5	C	BIESSE®, HOMAG®	DGM.125030045.0SC4	
125	30 (DKN)	50	41	52	3+3	30°	21	4,5	B	EXITECH®	DGM.125030050.0RB4	DGM.125030050.0LB4
125	30 (DKN)	64	40,6	66	3+3	30°	24	4,5	B	IMA, HOMAG®	DGM.125030064.0RB4	DGM.125030064.0LB4
125	30 (DKN)	64	40	66	3+3	30°	24	4,5	C	HOMAG®	DGM.125030064.0SC4	
125	30 (DKN)	65	55	67	3+3	30°	18	3,5	C	KDT®, NANXING®, EXITECH®	DGM.125030065.SRC3	DGM.125030065.SLC3
150	30 (DKN)	46	48	42	4+4	a35°	24	4,5	C	HOMAG®	DGM.150030046.0RC4	DGM.150030046.0LC4
180	35 (DKN)	32	38	-	6+6	a35°	24	4,5	A	HOMAG®	DGM.180035032.0RA4	DGM.180035032.0LA4
180	35 (DKN)	43	47	-	5+5	a45°	25	4,5	A	HOMAG®	DGM.180035043.0RA4	DGM.180035043.0LA4
180	35 (DKN)	43	41	47	5+5	a45°	25	6	C	HOMAG®	DGM.180035043.0RC6	DGM.180035043.0LC6
180	35 (DKN)	l=43	44	47	5+5	a54°	30	6	C	HOMAG®	DGM.180035043.TRC6	DGM.180035043.TLC6

NEW





Database of dedicated tools for Edgebanders.
Ask about Your model **export@itatools.pl**

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DGL

RH | LH | LASER ABLATION | EXCHANGEABLE PLATES

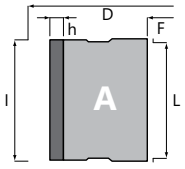


Technical details:

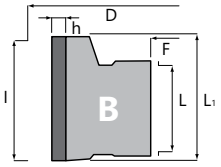
- Lightweight construction material, reduces vibrations, which translates into less wear of the bearings in the machine
- Blades ensuring a smooth surface of the processed edge
- The ability to customize the arrangement of the blades on the head, for example a symmetrical or asymmetrical arrangement
- The possibility of replacing DIA blades
- Noise reduction due to the particular geometry of the structure
- Body milled on both sides

Application:

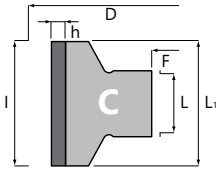
Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Suitable for MDF and chipboard panels.



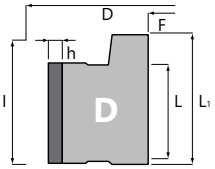
TYPE A



TYPE B



TYPE C



TYPE D

D mm	F mm	I mm	L mm	L_1 mm	Z	α	PLATES	PCD H mm	TYPE	MACHINE	ARTICLE RH	ARTICLE LH
60	20 (DKN)	32	43,5	-	2+2	35°	6 (A)	2,5	A	CEHISA®	DGL.060020032.KRA3	DGL.060020032.KLA3
60	20 (DKN)	64	44	75,5	2+2	35°	12 (A)	2,5	B	CEHISA®	DGL.060020064.KRB3	DGL.060020064.KLB3
60	25 (DKN)	63	63,5	71	2+2	30°	12(A)+2(B)	2,5	C	FRAVOL®	DGL.060025063.0RA3	DGL.060025063.0LA3
70	25 (DKN)	43	51,5	61	2+2	30°	8 (A)	2,5	D	HEBROCK®	DGL.070025043.0RK3	DGL.070025043.0LK3
70	20 (DKN)	54	28	64	2+2	30°	10 (A)	2,5	C	TORK MACHINE®	DGL.070020054.0RC3	DGL.070020054.0LC3
70	25 (DKN)	63	71,5	81	2+2	30°	12 (A)	2,5	D	HEBROCK®	DGL.070025063.0RK3	DGL.070025063.0LK3
70	30 (DKN)	65	52,5	70	3+3	35°	18(A)	3	C	HOLZ-HER®	DGL.070030065.1RC3	DGL.070030065.1LC3 NEW
70	30 (DKN)	65	52,5	70	2+2	35°	12(A)	3	C	HOLZ-HER®	DGL.070030065.2RC3	DGL.070030065.2LC3 NEW
80	25 (DKN)	47	61	65	2+2	45°	10 (A)	2,5	D	FELDER®	DGL.080025047.1RA3	DGL.080025047.1LA3
80	30 (DKN)	65	76	-	3+3	30°	18 (A)	2,5	A	FELDER®	DGL.080025065.0RC3	DGL.080025065.0LC3
80	30 (DKN)	44	55	-	3+3	35°	12 (A)	2,5	A	BIESSE®	DGL.080030044.0SA3	

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Other dimensions are available on request: www.ita.tools

Premill PSD Cutter Heads with Replaceable Plates for Edgebanding machines

D mm	F mm	I mm	L mm	L_1 mm	Z	α	PLATES	PCD H mm	TYPE	MACHINE	ARTICLE RH	ARTICLE LH
80	30 (DKN)	54	65	-	3+3	35°	10(A)	2,5	A	SCM®	DGL.080030054.0RA3	DGL.080030054.0LA3
80	30 (DKN)	65	54	75	3+3	35°	18 (A)	2,5	C	BIESSE®	DGL.080030065.2SC3	
80	25 (DKN)	65	64	75	3+3	35°	15(A)+6(B)	2,5	C	FELDER®	DGL.080025065.0RC3	DGL.080025065.0LC3
85	30 (DKN)	48	50	58	3+3	35°	12(A)+3(B)	2,5	B	OTT®	DGL.085030048.0RB3	DGL.085030048.0LB3
100	20 (DKN)	65	42	77,5	3+3	35°	18 (A)	2,5	B	CEHISA®	DGL.100020065.KRB3	DGL.100020065.KLB3
100	20 (DKN)	33	42	45,5	3+3	35°	9 (A)	2,5	B	CEHISA®	DGL.100020033.KRB3	DGL.100020033.KLB3
100	30 (DKN)	44	40,6	54,5	3+3	35°	12 (A)	2,5	B	BRANDT®	DGL.100030044.1RB3	DGL.100030044.1LB3
100	30 (DKN)	44	40	54	3+3	35°	12 (A)	2,5	C	BRANDT®, SCM®	DGL.100030044.1RC3	DGL.100030044.1LC3
100	30 (DKN)	51	60	61	2+2	35°	8(A)+2(B)	2,5	D	SCM®	DGL.100030051.KRB3	DGL.100030051.KLB3
100	30 (DKN)	51	60	61	3+3	35°	12(A)+3(B)	2,5	D	SCM®	DGL.100030051.KRB4	DGL.100030051.KLB4
100	30 (DKN)	84	56,5	92,5	2+2	30°	16(A)	2,5	B	FRAVOL®	DGL.100030084.0RB3	DGL.100030084.0LB3
100	30 (DKN)	124	96	132	2+2	30°	22(A)	2,5	C	FRAVOL®	DGL.100030124.0RC3	DGL.100030124.0LC3
100	30 (DKN)	65	59	75	2+2	35°	10(A)+4(B)	2,5	D	SCM®	DGL.100030065.KRB2	DGL.100030065.KLB2
100	30 (DKN)	65	59	75	3+3	35°	15(A)+3(B) +3(C)	2,5	D	SCM®	DGL.100030065.KRB3	DGL.100030065.KLB3
100	30 (DKN)	65	60,5	78,5	3+3	46°	21 (A)	2,5	B	SCM®	DGL.100030065.4RB3	DGL.100030065.4LB3
100	30 (DKN)	44	54	58	3+3	46°	15(A)	2,5	C	HOMAG®	DGL.125030044.KR23	DGL.125030044.KL23
125	30 (DKN)	40	38	54	3+3	35°	12(A)	3	C	KDT®	DGL.125030040.0RC3	DGL.125030040.0LC3
125	30 (DKN)	65	56	75	3+3	35°	18(A)	3	C	KDT®	DGL.125030065.0RC3	DGL.125030065.0LC3
125	30 (DKN)	65	56,5	77	3+3	35°	18	2,5	B	IMA ADVANTAGE®	DGL.125030065.KR03	DGL.125030065.KL03
125	30 (DKN)	65	45	75	3+3	35°	18	2,5	B	IMA HOMAG®	DGL.125030065.1RB3	DGL.125030065.1LB3

NEW

NEW

PCD insert TYPE A for Premill Cutters:



H mm	L mm	TYPE	DESCRIPTION	ARTICLE
3	14	A	Unsharpened	DGL.14147.A.N
3	14	A	Sharpened	DGL.14147.A.O

PCD insert TYPE B for Premill Cutters:



H mm	L mm	TYPE	DESCRIPTION	ARTICLE
3	7	B	Unsharpened	DGL.07147.B.N.LH
3	7	B	Sharpened	DGL.07147.B.O.LH



H mm	L mm	TYPE	DESCRIPTION	ARTICLE
3	7	B	Unsharpened	DGL.07147.B.N.RH
3	7	B	Sharpened	DGL.07147.B.O.RH

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DGB

RH LH | Z4 | Z2+2 | LASER ABLATION

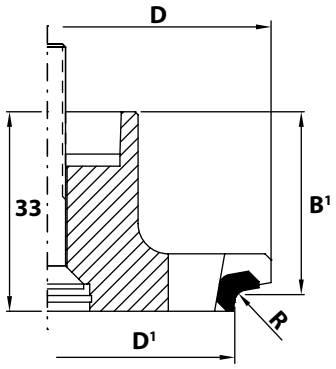


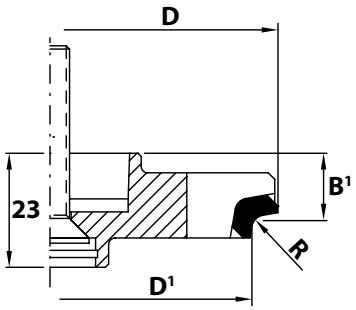
Technical details:

- Height of PCD tip 3 mm
- Can be resharpened (3-4 times)

Application:

Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Special construction for better facilitate chip evacuation. Suitable for MDF and chipboard panels.





HSK32 Type 33:

D mm	D¹ mm	MOUNTING mm	B¹ mm	R	Z	ARTICLE RH	ARTICLE LH
74	70	HSK32	31,5	R1	4	DGB.074032000.4RC1	DGB.074032000.4LC1
74	70	HSK32	31,5	R2	4	DGB.074032000.4RC2	DGB.074032000.4LC2
74	70	HSK32	31,5	R3	4	DGB.074032000.4RC3	DGB.074032000.4LC3

HSK25R Type 23:

D mm	D¹ mm	MOUNTING mm	B¹ mm	R	Z	ARTICLE RH	ARTICLE LH
76	70	HSK25R	17,5	R1	4	DGB.076025000.4RC1	DGB.076025000.4LC1
76	70	HSK25R	17,5	R2	4	DGB.076025000.4RC2	DGB.076025000.4LC2

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DGB



RH LH | Z4 | Z2+2 | LASER ABLATION

Technical details:

- Height of PCD tip 3 mm or 4 mm
- Can be resharpened (3-5 times)

Application:

Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Special construction for better facilitate chip evacuation. Suitable for MDF and chipboard panels.

Standard Type:

D mm	D¹ mm	I mm	F mm	Z	R	PCD H mm	MACHINE	ARTICLE RH	ARTICLE LH	
56	47	14,5	16(DKN)	4	2	3	HEBROCK®	DGB.056016014.3RA0	DGB.056016014.3LA0	
56	50	16	20(DKN)	2	2	3	HOLZ-HER®	DGB.056020016.0RA0	DGB.056020016.0LA0	NEW
56	50	16	20(DKN)	2	1,3	3	HOLZ-HER®	DGB.056020016.0RA2	DGB.056020016.0LA2	NEW
57	50	12	20(DKN)	2+2	2	3	HOLZ-HER®	DGB.057020023.3RA0	DGB.057020023.3LA0	
58	50	8	16(DKN)	4	2	3	SCM®	DGB.058016008.0R00	DGB.058016008.0L00	
58,7	50	8,5	16(DKN)	3	2	3	HOLZ-HER®	DGB.058016085.4RC0	DGB.058016085.4LC0	NEW
58,7	50	8,5	16(DKN)	3	1,3	3	HOLZ-HER®	DGB.058016085.4RC2	DGB.058016085.4LC2	NEW
67	61	-	16(DKN)	4	1	4	KTD®	DGB.067016001.4RD0	DGB.067016001.4LD0	
69	61	13,5	16(DKN)	4	2	4	OTT®	DGB.069016000.4RA0	DGB.069016000.4LA0	
70	-	14,58	-	4	2	4	SCM®	DGB.070016145.4R00	DGB.070016145.4L00	
72,5	61	19	20(DKN)	4	2	3	HOLZHER	DGB.073020019.3RA0	DGB.073020019.3LA0	

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GKN | GK2

HM RH LH SYM MEC



Technical details:

- HM blades
- Additional grooves at the main hole
- Hole in tolerance H7

Application:

Cutter heads intended for edge profiling for edge banding machines with mechanical feed. Suitable for MDF and chipboard panels.

D mm	I mm	F mm	Z	R	MACHINE	ARTICLE RH	ARTICLE LH
55,3	5,5	16 (DKN)	3	2	SCM®	GKN.055316005.00R	GKN.055316005.00L
55,3	14	16 (DKN)	3	2	SCM®	GKN.055316014.00R	GKN.055316014.00L
55,3	21	16 (DKN)	3	2	SCM®	GKN.055316021.00R	GKN.055316021.00L
55,3	21	16 (DKN)	3	1,5	SCM®	GKN.055316021.02R	GKN.055316021.02L NEW
55,3	21	16 (DKN)	3	1	SCM®	GKN.055316021.01R	GKN.055316021.01L
63,6	30	16 (DKN)	4	1/2	SCM®	GKN.062016030.01R	GKN.062016030.01L
65	26	16 (DKN)	3	1/2	SCM®	GKN.065016022.02R	GKN.065016022.02L
69	15	16 (DKN)	6	3	VITAP®	GKN.069024015.00R	GKN.069024015.00L
69	15	16 (DKN)	6	2	VITAP®	GKN.069024015.02R	GKN.069024015.02L
107	6	40	12	2	SCM®	GK2.107040012.R2R	GK2.107040012.R2L

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Other dimensions are available on request: www.ita.tools

HOG
Compact





RH | LH | MEC | LASER ABLATION

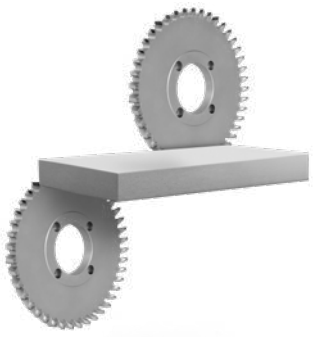
Technical details:

- Multi-blade configuration contraction finishing and chip breaker.
- Blade construction reducing working impact and tends to eliminate possibile chippings or edge breaking
- The tips of the product have a one-sided stage shape.
- Low-vibration hardened steel body.
- Great chip removal
- Suitable for use with the most common clamping systems as hydraulic, mechanical and quick-change.
- H6 PCD tip
- Sharpened by LASER ABLATION technology

Application:

For formatting material on 2 or 4 sides edgebanding machines. Maintain high-quality finishing while working on very fast feed rates. For materials such as chipboard, MDF, HDF, plywood, honeycomb, and plywood panels with or without veneer, melamine, paper, or plastic coatings.

D mm	I mm	F mm	Z	ARTICLE RH	ARTICLE LH
250	10	60	36/6	HOG.250060010.CRP0	HOG.250060010.CLP0
250	10	80	36/6	HOG.250080010.CRP0	HOG.250080010.CLP0
250	10	100	36/6	HOG.250100010.CRP0	HOG.250100010.CLP0
250	12	60	42/6	HOG.250060012.CR26	HOG.250060012.CL26
250	12	80	42/6	HOG.250080012.CR36	HOG.250080012.CL36
250	12	100	42/6	HOG.250100012.CR16	HOG.250100012.CL16
250	12	60	48/6	HOG.250060012.CR56	HOG.250060012.CL56
250	12	80	48/6	HOG.250080012.CR46	HOG.250080012.CL46
250	12	100	48/6	HOG.250100012.CR26	HOG.250100012.CL26

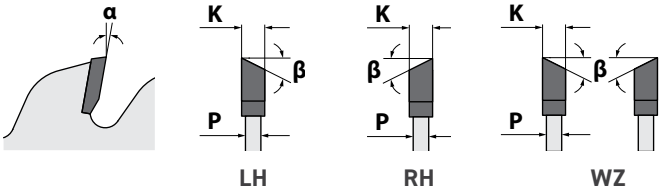


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PKA



HM



Application:

For trimming and chamfering of plastic, veneer and solid wood edges.

Machines:

Edgebanders.

Materials:

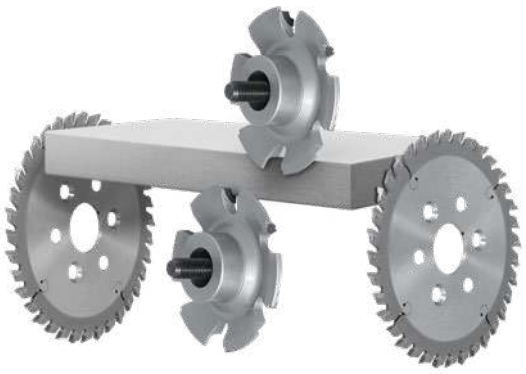
Plastic (PCV, ABS), veneer and solid wood edges.

D mm	F mm	PH	Z	K mm	α	TOOTH CONF.	MACHINES	ARTICLE
80	20		16	2,4	2°	WZ	BIMATIC®	PKA.080020016.P0A
80	30		12	3,2	10°	LH	BIMATIC®	PKA.080030012.P0L
80	30		12	3,2	10°	RH	BIMATIC®	PKA.080030012.P0R
85	30		12	3,2	10°	LH	BIMATIC®	PKA.085030012.P0L
85	30		12	3,2	10°	RH	BIMATIC®	PKA.085030012.P0R
100	22	PH:2/4/30	20	2,4	-6°	WZ	HEBROCK®	PKA.100022020.N0A
100	22		20	3,2	5°	WZ	FELDER® FORMAT 4 PERFECT 610 / 710	PKA.100022020.P1A
100	30		20	3,2	5°	WZ	FELDER® G400 / G460 / G500 / G560	PKA.100030020.P1A
100	30		30	2,6	5°	LH	BIESSE STEFANI®	PKA.100030030.P0L
100	30		30	2,6	5°	RH	BIESSE STEFANI®	PKA.100030030.P0R
100	32		20	3,2	5°	LH	BRANDT®	PKA.100032020.P1L
100	32		20	3,2	5°	RH	BRANDT®	PKA.100032020.P1R
100	32		30	2,6	-10°	LH	BRANDT®	PKA.100032030.N0L
100	32		30	2,6	-10°	RH	BRANDT®	PKA.100032030.N0R
100	32		30	2,6	5°	WZ	BRANDT®	PKA.100032030.P0A
100	32		30	3,2	1,5°	LH	BRANDT®	PKA.100032030.P3L
100	32		30	3,2	1,5°	RH	BRANDT®	PKA.100032030.P3R
110	22		20	3,6	5°	WZ	HOLZ-HER®	PKA.110022020.P0A
110	32		30	3,2	5°	LH	HOMAG®, BRANDT®, CEHISA®	PKA.110032030.P0L
110	32		30	3,2	5°	RH	HOMAG®, BRANDT®, CEHISA®	PKA.110032030.P0R

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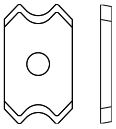
Clipping Saw Blades for Edge Trimming

D mm	F mm	PH	Z	K mm	α	TOOTH CONF.	MACHINES	ARTICLE
115	30		30	3,2	5°	WZ	SCM® K360 K560 K800	PKA.115030030.00A
115	30		30	3,2	5°	WZ 30°	SCM STEFANI®	PKA.115030030.P0A
125	30		24	2,6	5°	LH	SCM®	PKA.125030024.P0L
125	30		24	2,6	5°	RH	SCM®	PKA.125030024.P0R
125	30		36	3,2	Poz.	WZ 5°	SCM® K360 K560 K100	PKA.125030036.P1A
125	32		30	2,6	Poz.	LH	BRANDT®	PKA.125032030.P0L
125	32		30	2,6	Poz.	RH	BRANDT®	PKA.125032030.P0R
130	45	PH:4/4,5/55	20+4	3,6	Poz.	LH 30°	BIESSE STREAM®	PKA.130045020.P0L
130	45	PH:4/4,5/55	20+4	3,6	Poz.	RH 30°	BIESSE STREAM®	PKA.130045020.P0R
140	16		36	3,2	Poz.	LH	OTT®	PKA.140016036.P0L
140	16		36	3,2	Poz.	RH	OTT®	PKA.140016036.P0R
140	30	PH:3/8-12/40 LH + 3/8-12/40 RH	36	3,6	Poz.	WZ	BIESSE AKRON®	PKA.140030036.00A
150	35	PH:4/6,5/50 LH	24+6	3,8	Poz.	LH	SCM®	PKA.150035030.P0L
150	35	PH:4/6,5/50 RH	24+6	3,8	Poz.	RH	SCM®	PKA.150035030.P0R
160	22		48	3,2	Poz.	WZ	IMA®	PKA.160022048.P0A
170	30	PH:4/5,5/52	36	3,2	Poz.	WZ	HOMAG®	PKA.170030036.P0A

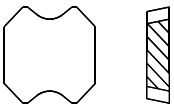


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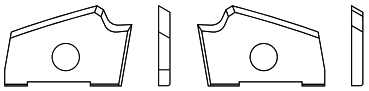
Knives for Edgebanding Machines



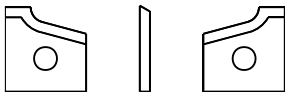
L mm	W mm	T mm	R	MACHINE	ARTICLE
20,0	12,0	2,0	1,0	SCM®, FELDER®, BRANDT®, HOLZ-HER® IMA®, HOMAG®	K15.20122R01
20,0	12,0	2,0	1,5		K15.20122R01s
20,0	12,0	2,0	2,0		K15.20122R02
20,0	12,0	2,0	3,0		K15.20122R03



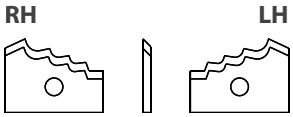
L mm	W mm	T mm	R	MACHINE	ARTICLE
12,7	12,7	3,0	2	SCM®, BIESSE®	K13.12123R02
12,7	12,7	3,18	1,5	SCM®	K13.12123R15
12,7	12,7	3,18	1	SCM®	K13.12123R01



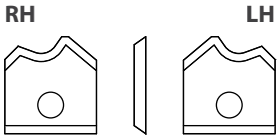
L mm	W mm	T mm	R	MACHINE	ARTICLE RH	ARTICLE LH
22,32	14,0	2,0	2,0	BRANDT®	K25.22142R02R	K25.22142R02L
22,32	14,0	2,0	2,5	BRANDT®	K25.22142R02Rs	K25.22142R02Ls
22,32	14,0	2,0	3,0	BRANDT®	K25.22142R03R	K25.22142R03L



L mm	W mm	T mm	R	MACHINE	ARTICLE RH	ARTICLE LH
16,00	17,0	2,0	2,0	FELDER® G200	KKC.16172.1R2RS	KKC.16172.1R2LS
16,00	17,0	2,0	2,0	FELDER® G500	KKC.16172.2R2RS	KKC.16172.2R2LS
16,00	17,0	2,0	2,0	FELDER® G400 / G560	KKC.16172.3R2RS	KKC.16172.3R2LS
16,00	17,0	2,0	2,0	FELDER® G360	KKC.16172.R02R	KKC.16172.R02L
16,30	16,3	2,0	2,0	FELDER® TEMPORA	K26.16162R02R	K26.16162R02L
18,00	16,0	2,0	2,0	FELDER® TEMPORA	K26.18162R02R	K26.18162R02L

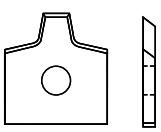


L mm	W mm	T mm	R	MACHINE	ARTICLE RH	ARTICLE LH
25,00	18,7	2,0	1,5 / 2,0 / 3,0	BIESSE®	KKG.25182.R	KKG.25182.L
25,00	18,7	2,0	1,0 / 1,5 / 2,0	BIESSE®	KKG.25182.R1	KKG.25182.L1
25,00	19,0	2,0	1,0 / 1,5 / 2,0	BIESSE®	KKG.251902.MPR	KKG.251902.MPL



L mm	W mm	T mm	R	MACHINE	ARTICLE RH	ARTICLE LH
16,0	17,5	2,0	2,0	FELDER®	KKJ.16172.R02R	KKJ.16172.R02L
12,7	12,7	2,0	1,0/2,0	SCM®	KKN.121202.R1R2R	KKN.121202.R1R2L

L mm	W mm	T mm	R	MACHINE	ARTICLE RH	ARTICLE LH
18,0	16,0	2,0	2,0	FELDER® TEMPORA	KPR.18.16.02R	KPR.18.16.02L



L mm	W mm	T mm	R	MACHINE	ARTICLE
16,0	14,0	2,0	1,0	SCM® STEFANI	KKE.16142.D01
16,0	14,0	2,0	2,0	SCM® STEFANI	KKE.16142.D02
16,0	15,0	2,0	1,0	SCM® STEFANI EVO	K23.16152R01
16,0	16,0	2,0	1,5	BIESSE®	K01.161602.R15
16,0	16,0	2,0	2,0	BIESSE®	K01.161602.R2
16,0	13,5	2,0	2,0	BIMATIC®	K161352
16,0	14,0	2,0	3,0	BIMATIC®	K161403

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Other dimensions are available on request: **www.ita.tools**

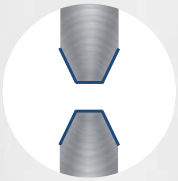
CUTTING PROCESS



TCT CIRCULAR SAW BLADES

ITA TOOLS production

Improved body provides greater rigidity and stability during cutting.



Chamfered bore makes it easier to change the concealing tool.



The tooth thickness of 3.5 mm allows for multiple sharpening, which extends the tool's service life.



Laser-cut soundproofing translates into significantly quieter operation.



Carbide supplied by CERATIZIT, in combination with the appropriate tooth profile increases the service life of the saws and improves the quality of processing.



DIAMOND SCORING BLADE

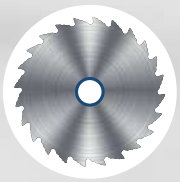
ITA TOOLS production



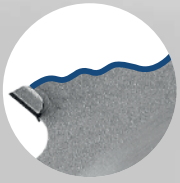
PCD teeth sharpened with an innovative **laser ablation method**. The previously unseen sharpness of the teeth translates into an ideal surface of the processed material.



Improved construction of the compensation groove reduces vibrations and ensures quieter operation.



The H7 hole tolerance reduces runout, which has a positive effect on improving cutting quality.



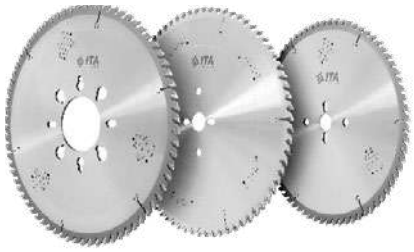
Special tooth support construction enhances chip evacuation and strengthens the HM/PCD insert at the joint with the scoring blade body.

Increased capacity of the notch by 20% compared to its traditional shape.

PCD – **50 time longer service life** than Carbide

Chapter

Diamond & HM Circular Saw Blades



PW1 series
Multi Rip Cut

p.163

P01 series
Cross Cut

p.164

P04 series
Rip Cut

p.165

P06 series
Optimizing Saw

p.166

P28 STANDARD series
Panel Saw

p.167

P30 NANO series
Panel Saw

p.169

P36 series
Panel Saw

p.171

DSA series
Panel Saw

p.172

DSB series
Panel Saw

p.174

P15 series
Format Saw

p.176

P36 series
Format Saw

p.177

P37 series
Format Saw

p.178

DSA series
Format Saw

p.179

DSB series
Format Saw

p.180

DSC series
Format Saw

p.181

PDA series
CNC Aggregates

p.182

PKA series
Edgebanders

p.184

DSR/DSN series
Grooving

p.186

P05 series
Grooving

p.188

PA1 series
ALU & PVC Profiles

p.190

B2B For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

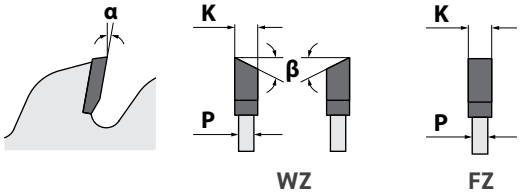
PW1

CERATIZIT GROUP



HM





Application:

For multirip cutting of hard and soft wood; scraper knives assist the cutting process and ensure more efficient chip removal.

Machines:

Multi-rip machines with one or two shafts.

Materials:



WET AND DRY WOOD



SOFT SOLID WOOD



HARD SOLID WOOD

D mm	F mm	HOLES	Z	K mm	P mm	α	ARTICLE
235	70	2/21x6	34	2,8	1,8	20°	PW1.235070034.000
250	70	4/20x5	16+2	3,5	2,2	10°	PW1.250070016.201
300	50	4/20x5	20+4	3,7	2,5	20°	PW1.300050020.400
300	70	4/20x5	18+4	3,7	2,5	20°	PW1.300070018.400
300	70	4/20x5	18+4	3,5	2,2	20°	PW1.300070018.401
300	70	4/20x5	18+4	3,7	2,5	10°	PW1.300070018.402
300	70	4/20x5	18+4	3,5	2,2	10°	PW1.300070018.405
300	80	4/20x5	18+4	3,7	2,5	20°	PW1.300080018.400
300	80	4/20x5	18+4	3,5	2,2	20°	PW1.300080018.401
300	80	2/18,5x3,5 + PH:6/5,5/91 + 4/6,6/95 + 2/13/100	24+4	3,2	2,2	20°	PW1.300080024.400
315	80	4/15x6	18+4	3,2	2,2	20°	PW1.315080018.400
350	70	4/20x5	18+4	4,2	2,8	10°	PW1.350070018.400
350	70	4/20,5x6	18+4	3,9	2,6	20°	PW1.350070018.401
350	70	4/20x5	18+4	4,0	2,7	10°	PW1.350070018.402
350	70	4/20,5x5	18+4	4,4	3,0	20°	PW1.350070018.403
350	80	4/20x5	18+4	4,2	2,8	20°	PW1.350080018.400
350	80	4/20x5	18+4	3,9	2,6	20°	PW1.350080018.401
350	80	4/20x5	18+4	4,0	2,7	20°	PW1.350080018.404
350	80	2/14x5	24+4	3,5	2,5	20°	PW1.350080024.400
350	80	2/18,5x3,5 + PH:6/5,5/91 + 4/6,6/95 + 2/13/100	24+6	3,5	2,5	20°	PW1.350080024.600
400	70	4/20x5	18+6	4,2	2,8	20°	PW1.400070018.600
400	80	4/20x5	18+6	4,2	2,8	20°	PW1.400080018.600

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P01
Cross Cut

CERATIZIT GROUP

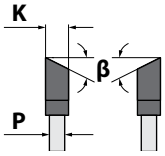




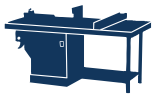








WZ





Application:
For cross-cutting while maintaining optimum material quality.
The saws have laser cutting silencing to improve the comfort of work.

Machines:
Table saws, mitre saws, format saws.

Materials:


SOFT SOLID WOOD


HARD SOLID WOOD


PLYWOOD

D mm	F mm	PH	Z	K mm	P mm	ARTICLE
250	30	PH03	48	3,2	2,2	P01.250030048.00W
250	30	PH03	60	3,2	2,2	P01.250030060.00W
250	30	PH03	80	3,2	2,2	P01.250030080.00W
300	30	PH03	48	3,2	2,2	P01.300030048.00W
300	30	PH03	72	3,2	2,2	P01.300030072.00W
300	30	PH03	96	3,2	2,2	P01.300030096.00W
315	30	PH03	72	3,2	2,2	P01.315030072.00W
350	30	PH03	54	3,5	2,5	P01.350030054.00W
350	30	PH03	84	3,5	2,5	P01.350030084.00W
350	30	PH03	108	3,5	2,5	P01.350030108.00W
400	30	PH03	48	3,5	2,5	P01.400030048.00W
400	30	PH03	60	3,5	2,5	P01.400030060.00W
400	30	PH03	96	3,5	2,5	P01.400030096.00W
450	30	PH03	66	3,8	2,8	P01.450030066.00W
500	30	PH03	72	4,0	2,8	P01.500030072.00W

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P04
Rip Cut

CERATIZIT GROUP



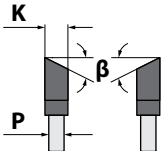




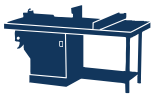








WZ



Application:
For rip-cutting while maintaining optimum material quality.

Machines:
Table saws, format saws.

Materials:



SOFT SOLID WOOD



HARD SOLID WOOD

D mm	F mm	PH	Z	K mm	P mm	ARTICLE
300	30	PH03	20	3,2	2,2	P04.300030020.00W
315	30	PH03	28	3,2	2,2	P04.315030028.00W
350	30	PH03	24	3,5	2,5	P04.350030024.00W
400	30	PH03	28	3,8	2,8	P04.400030028.00W
450	30	PH03	32	4,0	3,0	P04.450030032.00W
500	30	PH03	36	4,4	3,2	P04.500030036.00W

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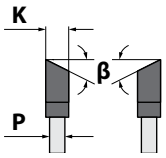
P06

CERATIZIT GROUP

HM







WZ

Application:

For cross cutting and cutting out defects for high-speed feed.

Machines:

Optimizing saws.

Materials:



SOFT SOLID WOOD



HARD SOLID WOOD

D mm	F mm	PH	Z	K mm	P mm	TOOTH CONF.	MACHINES	ARTICLE	
400	30	PH03	108	4	2,8	WZ 35°	SALVAMAC®	P06.400030108.00A	NEW
400	30	PH03	120	4	2,8	WZ	SALVAMAC®	P06.400030120.00A	
400	30	2/15/60	120	4,6	3,5	WZ	SALVAMAC®	P06.400030120.01A	NEW
450	30	2/15/63	138	4,8	3,5	WZ 35°	SALVADOR®, OMGA®	P06.450030138.02A	
500	30	-	108	4	2,8	WZ 35°	SALVAMAC®	P06.500030108.00A	NEW
500	35	-	108	4	2,8	WZ 35°	SALVAMAC®	P06.500035108.00A	NEW
500	30	2/10/60 + 2/15/63	144	4,8	3,5	WZ 35°	METAL TECHNIKA®, OMGA®, SALVADOR®	P06.500030144.02A	
500	35	2/10/60 + 2/15/63	120	4,4	3,2	WZ	SALVADOR®, CURSAL®	P06.500035120.00A	
500	35	2/10/60 + 2/15/63	120	4,4	3,2	WZ 35°	SALVADOR®, CURSAL®	P06.500035120.02A	
500	35	2/10/60 + 2/15/63	144	4,8	3,5	WZ	SALVADOR®, CURSAL®	P06.500035144.01A	
600	35	-	132	4,5	3,5	WZ 35°	SALVAMAC®	P06.600035132.01A	NEW
650	35	-	132	4,5	3,5	WZ 35°	SALVAMAC®	P06.650035132.00A	NEW

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P28
standard

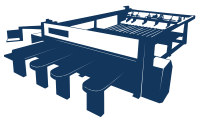
CERATIZIT GROUP

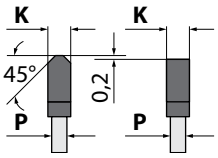












FZ/TR

Features and benefits:

- The thickness of the HM used is 3.5 mm, which ensures a long service life of the tool
- Laser-cut silencers reduce the noise level during operation

Application:

For sizing raw and laminated panels while maintaining a perfect edge finish.

Machines:

Beam saws.

Materials:


RAW MDF


RAW CHIPBOARD


PLYWOOD


LAMINATED CHIPBOARD


LAMINATED PLYWOOD


LAMINATED MDF

D mm	F mm	PH	Z	K mm	P mm	MACHINES	ARTICLE
300	30	PH03	60	4,4	3,2	FELDER®	P28.300030060.00W
300	80	PH01	60	4,4	3,2	SCM®	P28.300080060.00W
300	30	PH03	72	4,4	3,2	PANHANS®, FELDER®	P28.300030072.00W
300	60	PH04	72	4,4	3,2	HOMAG®	P28.300060072.00W
300	80	PH01	72	4,4	3,2	SCM®	P28.300080072.02W
310	60	2/14/100	72	4,4	3,2	HOMAG®	P28.310060072.00W
320	30	PH03	60	4,4	3,2	FELDER®	P28.320030060.00W
320	30	PH03	72	4,4	3,2	FELDER®, MAYER®	P28.320030072.00W
320	65	PH05	60	4,4	3,2	SELCO®	P28.320065060.00W
320	65	PH05	72	4,4	3,2	SELCO®	P28.320065072.00W
320	80	PH01	60	4,4	3,2	SCM®	P28.320080060.00W

Table continued on the next page ▶

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Panel Sizing Saw Blades

D mm	F mm	PH	Z	K mm	P mm	MACHINES	ARTICLE
320	80	PH01	72	4,4	3,2	SCM®	P28.320080072.00W
340	80	PH01	72	4,4	3,2	SCM®	P28.340080072.00W
350	30	PH03 + 2/13/94	72	4,4	3,2	PANHANS®, SCHELLING®, MAYER®, HOLZ-HER®, PAOLONI®	P28.350030072.00W
350	60	PH04	72	4,4	3,2	HOLZMA®	P28.350060072.00W
350	75	PH02	72	4,4	3,2	HOLZMA®	P28.350075072.00W
350	80	PH01	72	4,4	3,2	GABBIANI®, SCM®	P28.350080072.00W
360	65	PH05 + 2/9/95	72	4,4	3,2	SELCO®	P28.360065072.00W
370	30	PH03 +2/13/94	72	4,4	3,2	SCHELLING®	P28.370030072.01W
380	30	PH03 +2/13/94	72	4,4	3,2	HOLZ-HER®	P28.380030072.01W
380	60	2/14/100 + 2/14/125	72	4,8	3,5	HOLZMA®	P28.380060072.00W
380	60	PH04	72	4,4	3,2	HOLZMA®	P28.380060072.01W
380	65	PH04 + 2/9/110	72	4,4	3,2	SELCO®	P28.380065072.01W
380	80	PH01	72	4,4	3,2	SCM®	P28.380080072.00W
400	30	PH03 + 2/13/94	72	4,4	3,2	PANHANS®, SCHEER®, SCHELLING®, MAYER®, HOLZ-HER®	P28.400030072.00W
400	30	PH04	72	4,4	3,2	HOLZMA®	P28.400060072.01W
400	65	PH05	72	4,4	3,2	SELCO®	P28.400065072.01W
400	75	PH02 + 2/7/110	72	4,4	3,2	GIBEN®, HOMAG®	P28.400075072.00W
400	80	PH01	72	4,4	3,2	SELCO®, GABBIANI®	P28.400080072.00W
420	80	PH01	72	4,4	3,2	SCM®	P28.420080072.00W
430	65	PH05	72	4,4	3,2	SELCO®	P28.430065072.00W
430	80	PH01	72	4,4	3,2	SELCO®	P28.430080072.00W
450	30	2/10/60 + 2/13/94	72	4,4	3,2	SCM®, SCHELLING®, MAYER®	P28.450030072.00W
450	60	2/14/125	72	4,8	3,5	HOLZMA®	P28.450060072.00W
450	30	PH01	72	4,4	3,2	MASTERWOOD®	P28.450075072.01W
450	80	PH01	72	4,4	3,2	SELCO®	P28.450080072.00W
450	80	PH01	72	4,8	3,5	SELCO®	P28.450080072.01W
460	30	2/10/60 + 2/13/94	72	4,4	3,2	SCHELLING®	P28.460030072.00W
460	75	2/7/110 +2/13/94	72	4,4	3,2	GIBEN®	P28.460075072.00W
480	30	2/10/60 + 2/13/94	72	4,4	3,2	SCHELLING®	P28.480030072.01W
480	60	2/19/120	72	4,8	3,5	HOLZMA®	P28.480060072.00W
520	60	PH04	72	4,8	3,5	HOLZMA®	P28.520060072.00W
520	30	PH03 + 2/13/94	72	4,8	3,5	SCHELLING®	P28.520030072.01W
530	80	PH01	72	4,8	3,5	SCM®	P28.530080072.00W
570	60	PH04	60	4,8	3,5	HOLZMA®	P28.570060060.00W
575	60	2/11/115 + 2/19/120	60	5,8	4	HOLZMA®	P28.575060060.00W

Information about addition holes you can find at the end of this catalogue.

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P30
NANO

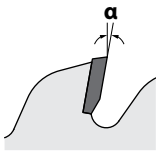
CERATIZIT GROUP

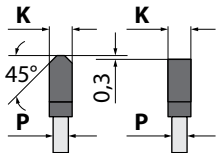




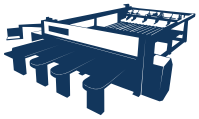








FZ/ TR



Features and benefits:

- The thickness of the carbide used is 3.5 mm gives the possibility of multiple sharpening, which extends the life of the tool
- Special super-hard NANO carbide with increased wear resistance ensures longer distances between sharpening
- Two tension rings increase the stability of saw blade
- Polyurethane-filled silencers significantly reduce noise levels
- The main hole made in G6 tolerance
- Hardened steel body ensures rigidity and stability during operation

Application:

P30 series panel saw designed for materials such as MDF or HDF. Designed for cutting single boards as well as packages. Specially selected super-hard NANO carbide and an appropriate tooth profile (straight trapezoid) ensure the long life of the saw and excellent quality of processed material.

The P30 series saws are perfect for working with a diamond scoring unit DSB series, this set significantly reduces machine downtime caused by changing tools and will meet the expectations of the most demanding users.

Machines:

Beam saws.

Materials:


RAW MDF


RAW CHIPBOARD


PLYWOOD


LAMINATED CHIPBOARD


LAMINATED PLYWOOD


LAMINATED MDF



MUTED SAW BLADE
Quieter cuttig operation



CHAMFERED HOLE
Easier tool change



SUPER HARD CARBIDE WITH 3,5 mm THICKNESS
Longer work between sharpening



IMPROVED TOOL BODY
More rigidity and stability while cutting

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Panel Sizing Saw Blades with super-hard NANO carbide

D mm	F mm	PH	Z	K mm	P mm	α	MACHINES	ARTICLE
300	30	PH03	60	4,4	3,0	15°	PANHANS®, FELDER®	P30.300030060.PFW
300	30	PH03	72	4,4	3,0	15°	PANHANS®, FELDER®	P30.300030072.PFW
300	80	PH01	60	4,4	3,2	15°	SCM®	P30.300080060.PFW
300	80	PH01	72	4,4	3,2	15°	SCM®	P30.300080072.PFW
310	60	PH:2/14/100	72	4,4	3,2	15°	HOMAG®	P30.310060072.PFW
320	30	PH03	60	4,4	3,2	15°	FELDER®	P30.320030060.PFW
320	30	PH03	72	4,4	3,2	15°	FELDER®	P30.320030072.PFW
320	65	PH05 + 3/7/100	72	4,4	3,2	15°	SELCO®	P30.320065072.PFW
320	80	PH:4/9/100 + 2/14/110	60	4,4	3,2	15°	SCM®	P30.320080060.PFW
320	80	PH01	72	4,4	3,2	15°	SCM®	P30.320080072.PFW
350	30	PH03 + 2/13/94	72	4,4	3,2	15°	PANHANS®, SCHELLING®, MAYER®, HOLZ-HER®, PAOLONI®	P30.350030072.PFW
350	60	PH:COMBI7	72	4,4	3,2	15°	HOLZMA®	P30.350060072.PFW
350	75	PH02 + 2/7/110 + 2/10/120	72	4,4	3,2	15°	HOLZMA®, PUTSCH-MENICONI®	P30.350075072.PFW
350	80	PH01	72	4,4	3,2	15°	GABBIANI®, SCM®	P30.350080072.PFW
360	65	PH: 2/9/100 + 2/9/110	72	4,4	3,2	15°	SELCO®	P30.360065072.PFW
380	30	PH03	72	4,4	3,2	15°	HOLZ-HER®	P30.380030072.PFW
380	60	PH04	72	4,4	3,2	15°	HOLZMA®	P30.380060072.PF1
380	60	PH:COMBI7	72	4,8	3,5	15°	HOLZMA®	P30.380060072.PFW
380	65	PH05	72	4,4	3,2	15°	SELCO®	P30.380065072.PFW
380	80	PH01	72	4,4	3,2	15°	SCM®	P30.380080072.PFW
400	30	PH03 + 2/13/94	72	4,4	3,2	15°	PANHANS®, SCHEER®, SCHELLING®, MAYER®, HOLZ-HER®	P30.400030072.PFW
400	65	PH05	72	4,4	3,2	15°	SELCO®	P30.400065072.PFW
400	75	PH:4/15/105 + 2/8/110 + 2/14/110	72	4,4	3,2	15°	GIBEN®, HOMAG®	P30.400075072.PFW
400	80	PH01	72	4,4	3,2	15°	SELCO®, GABBIANI®	P30.400080072.PFW
420	80	PH01	72	4,4	3,2	15°	SCM®	P30.420080072.PFW
430	65	PH02 + 2/9/110	72	4,4	3,2	15°	SELCO®, GIBEN®	P30.430065072.PFW
430	80	PH01	72	4,4	3,2	15°	SELCO®, SCM®	P30.430080072.PFW
450	30	PH03 + 2/13/94	72	4,4	3,2	15°	SCHELLING®, MAYER®	P30.450030072.PFW
450	60	PH:COMBI7	72	4,8	3,5	15°	HOLZMA®	P30.450060072.PFW
450	75	PH:2/14/110	72	4,4	3,2	15°	MASTERWOOD®	P30.450075072.PFW
450	80	PH01	72	4,4	3,2	15°	GABBIANI®	P30.450080072.PFW
460	30	PH:2/13/94	72	4,4	3,2	15°	SCHELLING®	P30.460030072.PFW
480	30	PH03 + 2/13/94	72	4,4	3,2	15°	SCHELLING®	P30.480030072.PFW
520	60	PH:COMBI7	72	4,8	3,5	15°	HOLZMA®	P30.520060072.PFW
520	70	PH:4/11/130	72	4,8	3,5	15°	SELCO®	P30.520070072.PFW
530	80	PH01	72	4,8	3,5	15°	SCM®	P30.530080072.PFW

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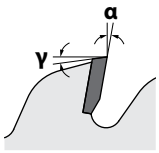
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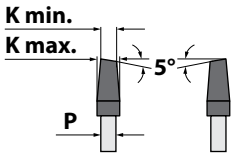
P36

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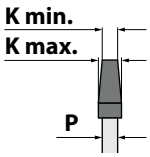
HM







KON/WZ



KON

Application:

For undercutting laminated panels to ensure the highest quality edges of the cut material.

Machines:

Beams saws.

Materials:



LAMINATED MDF



LAMINATED CHIPBOARD



LAMINATED PLYWOOD

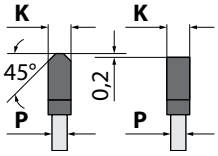
D mm	F mm	PH	Z	K mm	P mm	α	MACHINES	ARTICLE
150	30	-	36	4,4-5,6	3,2	6°	SCM®, STETON®®, FELDER®	P36.150030036.003
150	45	PH:2/9/58 + 2/11/70	36	4,4-5,6	3,2	6°	HOMAG®	P36.150045036.000
160	55	PH:3/11/70	36	4,4-5,6	3,2	6°	GABBIANI, MACMAZZA, SCM®	P36.160055036.000
180	30	PH:2/10/60	36	4,4-5,6	3,2	6°	PANHANS®, HOLZ-HER®	P36.180030036.000
180	45	PH:2/10/60	36	4,4-5,6	3,2	6°	HOLZMA®	P36.180045036.001
180	45	PH:2/10/60	36	4,8-6,0	3,5	6°	HOLZMA®	P36.180045036.010
200	20	PH:2/11/66	36	4,4-5,6	3,2	6°	SCHELLING®	P36.200020036.005
200	45	PH:2/10/60	36	4,4-5,6	3,2	6°	HOLZMA®	P36.200045036.000
200	45	-	36	4,8-6,0	3,5	6°	HOLZMA®	P36.200045036.010
200	50	2./7/80	36	4,3-5,5	3,2	5	MASTERWOOD®	P36.200050036.001
200	65	PH05	36	4,4-5,6	3,2	6°	SELCO®	P36.200065036.000
200	80	PH:2/14/110	36	4,4-5,6	3,2	6°	GABBIANI®	P36.200080036.000
300	30	PH:2/10/60 + 2/14/110 + 2/13/94	48	4,4-5,9	3,2	6°	SCHELLING®	P36.300030048.001

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DSA







FZ/TR

Application:

- High of PCD tips H6 or H8
- Longer lifetime compared to HM saw blades
- Cutting laminated panels without chipping thanks to work with scoring saw blade
- Very good lifetime/price ratio

Machines:

Beam saws.

Materials:


RAW MDF


LAMINATED MDF


RAW CHIPBOARD


LAMINATED CHIPBOARD


PLYWOOD


LAMINATED PLYWOOD

D mm	F mm	PH	Z	K mm	P mm	MACHINES	ARTICLE PCD H6	ARTICLE PCD H8
300	30	PH03	72	4,4	3,2	PANHANS®, FELDER®	DSA.300030072.056	DSA.300030072.058
300	60	PH04	72	4,4	3,2	HOMAG®	DSA.300060072.006	DSA.300060072.008
300	80	PH01	72	4,4	3,2	SCM®	DSA.300080072.006	DSA.300080072.008
300	30	PH03	60	4,4	3,2	PANHANS®, FELDER®	DSA.300030060.016	DSA.300030060.018
300	80	PH01	60	4,4	3,2	SCM®	DSA.300080060.006	DSA.300080060.008
310	60	2/14/100	72	4,4	3,2	HOMAG®	DSA.310060072.006	DSA.310060072.008
320	30	PH03	60	4,4	3,2	FELDER®	DSA.320030060.006	DSA.320030060.008
320	30	PH03	72	4,4	3,2	FELDER®, MAYER®	DSA.320030072.006	DSA.320030072.008
320	65	PH05	60	4,4	3,2	SELCO®	DSA.320065060.006	DSA.320065060.008
320	65	PH05	72	4,4	3,2	SELCO®	DSA.320065072.016	DSA.320065072.018
320	80	PH01	72	4,4	3,2	SCM®	DSA.320080072.006	DSA.320080072.008

Table continued on the next page ▶

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Main Saw Blades for Panel Sizing Machines

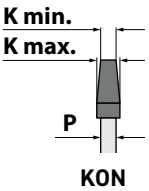
D mm	F mm	PH	Z	K mm	P mm	MACHINES	ARTICLE PCD H6	ARTICLE PCD H8
320	80	4/9/100+2/14/110	60	4,4	3,2	SCM®	DSA.320080060.006	DSA.320080060.008
340	80	PH01	72	4,4	3,2	SCM®	DSA.340080072.006	DSA.340080072.008
350	30	PH03 + 2/13/94	72	4,4	3,2	PANHANS®, SCHELLING®, MAYER®, HOLZ-HER®, PAOLONI®	DSA.350030072.016	DSA.350030072.018
350	60	PH04	72	4,4	3,2	HOLZMA®	DSA.350060072.006	DSA.350060072.008
350	75	PH02	72	4,4	3,2	HOLZMA®	DSA.350075072.006	DSA.350075072.008
350	80	PH01	72	4,4	3,2	GABBIANI®, SCM®	DSA.350080072.006	DSA.350080072.008
360	65	PH05 + 2/9/95	72	4,4	3,2	SELCO®	DSA.360065072.006	DSA.360065072.008
380	60	2/14/100+2/14/125	72	4,8	3,5	HOLZMA®	DSA.380060072.006	DSA.380060072.008
380	60	PH04	72	4,4	3,2	HOLZMA®	DSA.380060072.016	DSA.380060072.018
380	65	PH04 + 2/9/110	72	4,4	3,2	SELCO®	DSA.380065072.016	DSA.380065072.018
380	80	PH01	72	4,4	3,2	SCM®	DSA.380080072.006	DSA.380080072.008
380	30	PH03+2/8/83	72	4,4	3,2	HOLZ-HER®	DSA.380030072.006	DSA.380030072.008
400	30	PH03+2/13/94	72	4,4	3,2	PANHANS®, SCHEER® SCHELLING®, MAYER® HOLZ-HER®	DSA.400030072.006	DSA.400030072.008
400	65	PH05	72	4,4	3,2	SELCO®	DSA.400065072.006	DSA.400065072.008
400	75	PH02 + 2/7/110	72	4,4	3,2	GIBEN®, HOMAG®	DSA.400075072.006	DSA.400075072.008
400	80	PH01	72	4,4	3,2	SELCO®, GABBIANI®	DSA.400080072.026	DSA.400080072.028
420	80	PH01	72	4,4	3,2	SCM®	DSA.420080072.006	DSA.420080072.008
430	65	PH05	72	4,4	3,2	SELCO®	DSA.430065072.006	DSA.430065072.008
430	80	PH01	72	4,4	3,2	SELCO®	DSA.430080072.006	DSA.430080072.008
450	30	2/10/60+2/13/94	72	4,4	3,2	SCM®, SCHELLING®, MAYER®"	DSA.450030072.006	DSA.450030072.008
450	60	2/14/125	72	4,8	3,5	HOLZMA®	DSA.450060072.006	DSA.450060072.008
450	75	PH02 + 2/7/110	72	4,4	3,2	MASTERWOOD®	DSA.450075072.006	DSA.450075072.008
450	80	PH01	72	4,4	3,2	GABBIANI®, SCM®	DSA.450080072.046	DSA.450080072.048
460	30	2/10/60+ 2/13/94	72	4,4	3,2	SCHELLING®	DSA.460030072.006	DSA.460030072.008
480	30	2/10/60+ 2/13/94	72	4,4	3,2	SCHELLING®	DSA.480030072.006	DSA.480030072.008
520	60	COMBI7	72	4,8	3,5	HOLZMA®	DSA.520060072.006	DSA.520060072.008
520	70	4/11/130	72	4,8	3,5	SELCO®	DSA.520070072.006	DSA.520070072.008
530	80	PH01	72	4,8	3,5	SCM®	DSA.530080072.006	DSA.530080072.008

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DSB
conical







KON

Features and benefits:

- High of PCD tips H4 or H6
- Longer lifetime compared to HM scoring saw blades
- Undercutting laminated panels without chipping
- Very good lifetime/price ratio

Application:

For chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades.

Machines:

Beam saws.

Materials:


LAMINATED PLYWOOD


LAMINATED MDF


LAMINATED CHIPBOARD

D mm	F mm	PH	Z	K mm	P mm	PCD H mm	MACHINES	ARTICLE
150	20	-	36	4,3-5,2	3,2	H4	FELDER®, MAYER®	DSB.150020036.004
150	30	-	36	4,3-5,2	3,2	H4	SCM®, STETON®, FELDER®	DSB.150030036.004
150	30	-	36	4,3-5,5	3,2	H6	SCM®, STETON®, FELDER®	DSB.150030036.006
160	55	PH:3/7/66	36	4,3-5,2	3,2	H4	GABBIANI, SCM®	DSB.160055036.004
160	55	PH:3/7/66	36	4,3-5,6	3,2	H6	GABBIANI, SCM®	DSB.160055036.006
180	30	PH:2/10/60	36	4,3-5,2	3,2	H4	PANHANS®, HOLZ-HER®	DSB.180030036.004
180	30	PH:2/10/60	36	4,3-5,5	3,2	H6	PANHANS®, HOLZ-HER®	DSB.180030036.006
180	45	PH:2/10/60	36	4,3-5,2	3,2	H4	HOLZMA®	DSB.180045036.004
180	45	PH:2/10/60	36	4,3-5,5	3,2	H6	HOLZMA®	DSB.180045036.006
180	45	-	36	4,7-5,6	3,5	H4	HOLZMA®	DSB.180045036.014
180	45	-	36	4,7-5,8	3,5	H6	HOLZMA®	DSB.180045036.016
200	20	PH:2/11/66	36	4,3-5,2	3,2	H4	SCHELLING®	DSB.200020036.004

Table continued on the next page ▶

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PCD Scoring Blades for Panel Sizing Machines

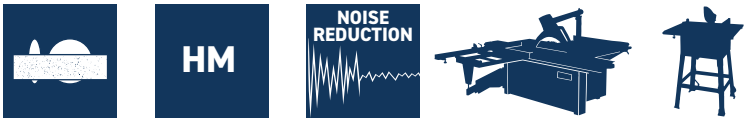
D mm	F mm	PH	Z	K mm	P mm	PCD H mm	MACHINES	ARTICLE
200	20	PH:2/11/66	36	4,3-5,5	3,2	H6	SCHELLING®	DSB.200020036.006
200	30	PH:2/10/60 + 2/14/110	36	4,3-5,2	3,2	H4	SCHEER®	DSB.200030036.004
200	45	PH:2/10/60	36	4,3-5,2	3,2	H4	HOLZMA®	DSB.200045036.004
200	45	-	36	4,3-5,5	3,2	H6	HOLZMA®	DSB.200045036.006
200	45	-	36	4,7-5,6	3,5	H4	HOLZMA®	DSB.200045036.014
200	45	-	36	4,7-5,8	3,5	H6	HOLZMA®	DSB.200045036.016
200	50	PH:2/7/80	36	4,3-5,2	3,2	H4	KDT®, MASTERWOOD®	DSB.200050036.014
200	50	PH:2/7/80	36	4,3-5,5	3,2	H6	MASTERWOOD®	DSB.200050036.026
200	65	PH05	36	4,3-5,2	3,2	H4	SELCO®	DSB.200065036.004
200	65	PH05	36	4,3-5,5	3,2	H6	SELCO®	DSB.200065036.006
200	80	PH:2/14/110	36	4,3-5,2	3,2	H4	GABBIANI®	DSB.200080036.004
200	80	PH:2/14/110	36	4,3-5,5	3,2	H6	GABBIANI®	DSB.200080036.006
280	30	2/10/60+2/14/110	48	4,3	5,2	H4	FELDER®, MAYER®	DSB.280030048.004
300	30	PH:2/10/60 + 2/14/110 + 2/13/94	48	4,3-5,2	3,2	H4	SCHELLING®	DSB.300030048.004
300	30	PH:2/10/60 + 2/14/110 + 2/13/94	48	4,3-5,5	3,2	H6	SCHELLING®	DSB.300030048.006
300	65	PH:2/9/100 + 2/9/110 + 2/14/110	48	4,3-5,2	3,2	H4	SELCO®	DSB.300065048.004
300	80	2/14/110	48	4,3	5,5	H6	FELDER®, MAYER®	DSB.300080048.006

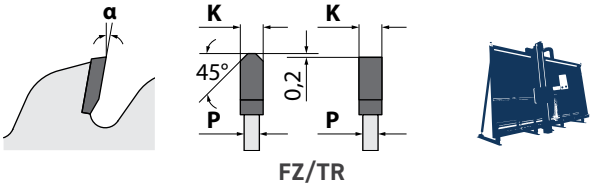
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P15

CERATIZIT GROUP







FZ/TR

Application:

For sizing cuts, perfect finishing by working with scoring blades.

Machines:

Table saws, format saws.

Materials:



RAW MDF | LAMINATED MDF | RAW CHIPBOARD | LAMINATED CHIPBOARD | PLYWOOD



LAMINATED PLYWOOD

D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
250	30	PH03	80	3,2	2,2	6°	P15.250030080.00W
300	30	PH03	96	3,2	2,2	6°	P15.300030096.01W
350	30	PH03	108	3,5	2,5	6°	P15.350030108.001
350	30	PH03	108	3,2	2,2	6°	P15.350030108.01W

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P36
conical

CERATIZIT GROUP

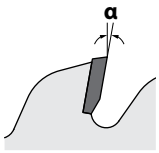


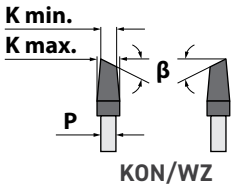


HM









KON/WZ

Application:
For chip-free scoring on plastic-laminated panels to ensure excellent edge quality of the cut material.

Machines:
Table saws, format saws.

Materials:


LAMINATED PLYWOOD


LAMINATED MDF


LAMINATED CHIPBOARD

D mm	F mm	Z	K mm	P mm	α	ARTICLE
100	20	20	3,1-4,3	2,2	6°	P36.100020020.000
100	22	20	3,1-4,3	2,2	6°	P36.100022020.000
120	20	24	3,1-4,3	2,2	0°	P36.120020024.000
120	22	24	3,1-4,3	2,2	0°	P36.120022024.000
125	20	24	3,1-4,3	2,2	0°	P36.125020024.000
125	22	24	3,1-4,3	2,2	0°	P36.125022024.000

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P37
adjustable

CERATIZIT GROUP

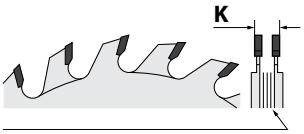




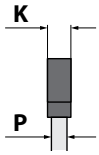
HM







shim sets



FZ

Appliaction:
For chip-free scoring on plastic-laminated panels. to ensure the quality of the edges of the cut material. Control with spacers allows perfect adjustment to the kerf of the main saw.

Machines:
Table saws, format saws.

Materials:


LAMINATED PLYWOOD


LAMINATED MDF


LAMINATED CHIPBOARD

D mm	F mm	Z	K mm	P mm	α	ARTICLE
80	20	20	2,8-3,6	2x2,2	10°	P37.080020020.000
100	20	20	2,8-3,6	2x2,2	10°	P37.100020020.000
100	22	20	2,8-3,6	2x2,2	10°	P37.100022020.00W
120	20	12+12	2,8-3,6	2x2,2	10°	P37.120020024.000
120	22	12+12	2,8-3,6	2x2,2	10°	P37.120022024.000
120	50	12+12	2,8-3,6	2,2	10°	P37.120050024.000 *
125	20	12+12	2,8-3,6	2x2,2	10°	P37.125020024.000
125	22	12+12	2,8-3,6	2x2,2	10°	P37.125022024.000

*For ALTENDORF RAPIDO®

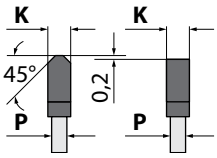
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DSA







FZ/TR

Features and benefits:

- High of PCD tips H4 or H6
- Longer lifetime compared to HM scoring saw blades
- Cutting laminated panels without chipping thanks to working with scoring blade
- Very good lifetime/price ratio

Machines:

Table saws, format saws.

Materials:



RAW MDF | LAMINATED MDF | RAW CHIPBOARD | LAMINATED CHIPBOARD | PLYWOOD



LAMINATED PLYWOOD | HPL

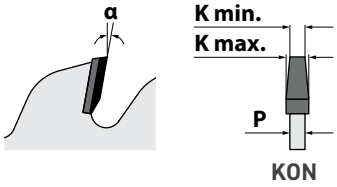
D mm	F mm	Z	K mm	P mm	PH mm	PCD H4 mm	PCD H6 mm
250	30	48	3,2	2,2	PH03	DSA.250030048.004	DSA.250030048.006
250	30	60	3,2	2,2	PH03	DSA.250030060.004	DSA.250030060.006
250	30	80	3,2	2,2	PH03	DSA.250030080.004	DSA.250030080.006
300	30	60	3,2	2,2	PH03	DSA.300030060.004	DSA.300030060.006
300	30	72	3,2	2,2	PH03	DSA.300030072.004	DSA.300030072.006
300	30	96	3,2	2,2	PH03	DSA.300030096.004	DSA.300030096.006
350	30	72	3,5	2,4	PH03	DSA.350030072.004	DSA.350030072.006

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

DSB
conical







Application:
For chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades.

Machines:
Table saws, format saws.

Materials:



LAMINATED PLYWOOD | LAMINATED MDF | LAMINATED CHIPBOARD

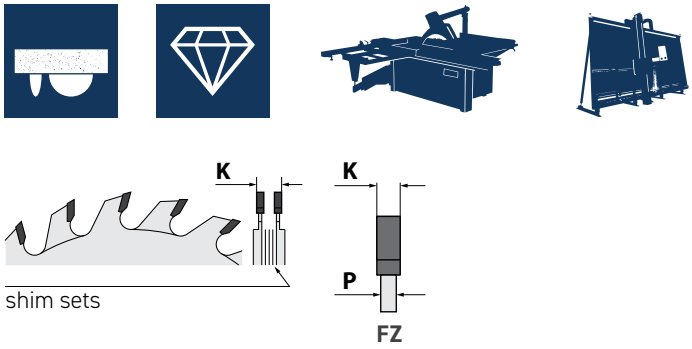
D mm	F mm	Z	K mm	P mm	α	PCD H mm	ARTICLE
80	20	12	3,0-4,0	2,2	0°	H4	DSB.080020012.004
100	20	20	3,0-4,0	2,5	0°	H4	DSB.100020020.004
100	22	20	3,0-4,0	2,5	0°	H4	DSB.100022020.004
120	20	24	3,0-4,0	2,5	8°	H4	DSB.120020024.004
120	20	24	3,0-4,0	2,5	8°	H6	DSB.120020024.006
120	22	24	3,0-4,0	2,5	8°	H4	DSB.120022024.004
125	20	24	3,0-4,0	2,5	8°	H4	DSB.125020024.004
125	20	24	3,0-4,0	2,5	8°	H6	DSB.125020024.006
125	22	24	3,0-4,0	2,5	8°	H4	DSB.125022024.004
125	22	24	3,0-4,0	2,5	8°	H6	DSB.125022024.006

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

DSC
adjustable





Appliaction:

For chip-free scoring on plastic-laminated panels. To ensure the quality of the edges of the cut material. Control with spacers allows perfect adjustment to the kerf of the main saw, service life up to 50 times longer compared to HM scoring saws, very good value lifetime to price.

Machines:

Table saws, format saws.

Materials:


LAMINATED PLYWOOD


LAMINATED MDF


LAMINATED CHIPBOARD

D mm	F mm	Z	K mm	P mm	α	PCD H mm	ARTICLE
80	20	10+10	2,8-3,6	2,2	10°	H4	DSC.080020020.004
100	20	10+10	2,8-3,6	2,2	10°	H4	DSC.100020020.004
120	20	12+12	2,8-3,6	2,2	10°	H4	DSC.120020024.004
120	20	12+12	2,8-3,6	2,2	10°	H6	DSC.120020024.006
120	22	12+12	2,8-3,6	2,2	10°	H4	DSC.120022024.004
120	22	12+12	2,8-3,6	2,2	10°	H6	DSC.120022024.006
125	50	12+12	2,8-3,6	2,2	5°	H4	DSC.125050024.004*
125	20	12+12	2,8-3,6	2,2	10°	H4	DSC.125020024.004
125	20	12+12	2,8-3,6	2,2	10°	H6	DSC.125020024.006
125	22	12+12	2,8-3,6	2,2	10°	H4	DSC.125022024.004

* for ALTENDORF RAPIDO®

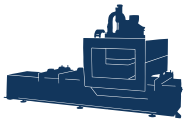
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PDA

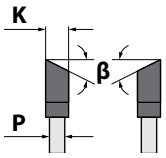
CERATIZIT GROUP



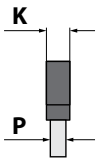
HM







WZ



FZ

Application:

Operations performed by aggregates, such us: grooving, sawing.

Machines:

CNC machines equipped with sawing aggregate.

Materials:



RAW MDF



LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



PLYWOOD



LAMINATED PLYWOOD



HPL

D mm	F mm	PH	Z	K mm	P mm	TOOTH CONF.	MACHINES	ARTICLE	
100	20	-	24	3,2	2,2	WZ	VITAP POINT®	PDA.100020024.A00	
100	20	-	24	4	2,8	PR	VITAP POINT®, FELDER®	PDA.100020024.P00	NEW
100	20	-	24	3,6	2,8	PR	VITAP POINT®, FELDER®	PDA.100020024.P01	
100	30	PH:4/M5/48 LH + 4/M5/48 RH	20	3,4	2,2	WZ	HOMAG®, WEEKE®, BHX®	PDA.100030020.A00	
100	30	PH:4/5,5/50	24	4,0	2,8	FZ	-	PDA.100030024.P00	
120	20	PH:3/M4/35 LH + 3/M4/35 RH	24	3,2	2,2	FZ	SCM®, CYFLEX®	PDA.120020024.P01	NEW
120	20	PH:3/M4/35 LH + 3/M4/35 RH	24	4,0	2,8	FZ	SCM®, CYFLEX®	PDA.120020024.P02	
120	20	PH:3/M4/35 LH + 3/M4/35 RH	36	4,0	2,8	WZ	SCM®, CYFLEX®	PDA.120020036.A01	
120	35	PH:4/M5/50 LH + 4/M5/50 RH	16	4,0	2,8	FZ	BIESSE®, ROVER®	PDA.120035016.P00	
120	35	PH:4/M5/50 LH + 4/M5/50 RH	30	4,0	2,8	FZ	BIESSE®, ROVER®	PDA.120035030.P00	
120	35	PH:4/M5/50 LH + 4/M5/50 RH	36	3,2	2,2	WZ	BIESSE®, ROVER®	PDA.120035036.A00	
120	35	PH:4/M5/50 LH + 4/M5/50 RH	36	4,0	2,8	WZ	BIESSE®, ROVER®	PDA.120035036.A01	
125	20	PH:3/M4/35 LH + 3/M4/35 RH	36	3,2	2,2	WZ	SCM®, MORBIDELLI®	PDA.125020036.A00	

Table continued on the next page ▶

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D mm	F mm	PH	Z	K mm	P mm	TOOTH CONF.	MACHINES	ARTICLE
125	20	PH:3/M4/35 LH + 3/M4/35 RH	36	4,0	2,8	WZ	SCM®	PDA.125020036.A01
125	30	PH:4/M5/48 LH + 4/M5/48 RH	36	3,2	2,2	WZ	HOMAG®, WEEKE®, BHX®	PDA.125030036.A00
125	30	PH:4/M5/48 LH + 4/M5/48 RH	36	4,0	2,8	WZ	HOMAG®, WEEKE®, BHX®	PDA.125030036.A01
125	30	PH:4/M5/48 LH + 4/M5/48 RH	36	3,4	2,2	WZ	HOMAG®, WEEKE®, BHX®	PDA.125030036.A05
150	30	PH:4/M6/48 LH + 4/M6/48 RH	36	3,2	2,2	WZ	HOMAG®, WEEKE®, BHX®	PDA.150030036.A00
150	35	PH:4/M6/48 LH + 4/M6/48 RH	30	4,0	3,0	WZ	-	PDA.150035030.A00
150	35	PH:4/M5/50 LH/RH + 2/5,9/46-49	30	4,0	3,0	WZ	BIESSE® SKIPPER	PDA.150035030.A03
150	35	PH:2/6,5/48	36	4,0	3,0	WZ	-	PDA.150035036.A03
160	30	PH: 3/6,5/40	36	3,2	2,2	WZ	-	PDA.160030036.A00
180	30	PH:4/M5/54 RH	36	4	2,8	FZ	-	PDA.180030036.P0R

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PKA

CERATIZIT GROUP

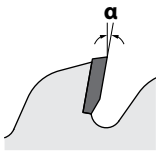


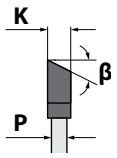
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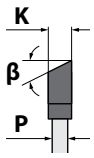




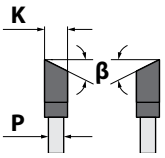




LH



RH



WZ

Application:

For trimming and chamfering of plastic, veneer and solid wood edges.

Machines:

Edgebanders.

Materials:



PLASTIC



VENEER

D mm	F mm	PH	Z	K mm	α	TOOTH CONF.	MACHINES	ARTICLE
80	20	-	16	2,4	2°	WZ	BIMATIC®	PKA.080020016.P0A
80	30	-	12	3,2	10°	LH	BIMATIC®	PKA.080030012.P0L
80	30	-	12	3,2	10°	RH	BIMATIC®	PKA.080030012.P0R
85	30	-	12	3,2	10°	LH	BIMATIC®	PKA.085030012.P0L
85	30	-	12	3,2	10°	RH	BIMATIC®	PKA.085030012.P0R
100	22	PH:2/4/30	20	2,4	-6°	WZ	HEBROCK®	PKA.100022020.N0A
100	22	-	20	3,2	5°	WZ	FELDER® FORMAT 4 PERFECT 610 / 710	PKA.100022020.P1A
100	30	-	20	3,2	5°	WZ	FELDER® G400 / G460 / G500 / G560	PKA.100030020.P1A
100	30	-	30	2,6	5°	LH	STEFANI®	PKA.100030030.P0L
100	30	-	30	2,6	5°	RH	STEFANI®	PKA.100030030.P0R
100	32	-	20	3,2	5°	LH	BRANDT®	PKA.100032020.P1L
100	32	-	20	3,2	5°	RH	BRANDT®	PKA.100032020.P1R
100	32	-	30	2,6	-10°	LH	BRANDT®	PKA.100032030.N0L
100	32	-	30	2,6	-10°	RH	BRANDT®	PKA.100032030.N0R
100	32	-	30	2,6	5°	WZ	BRANDT®	PKA.100032030.P0A
100	32	-	30	3,2	1,5°	LH	BRANDT®	PKA.100032030.P3L
100	32	-	30	3,2	1,5°	RH	BRANDT®	PKA.100032030.P3R

Table continued on the next page ▶

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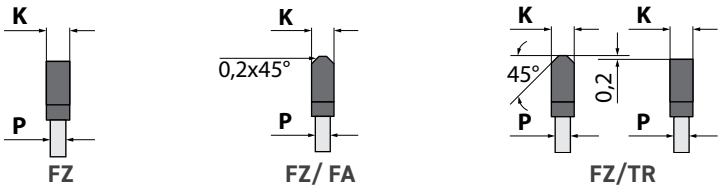
D mm	F mm	PH	Z	K mm	α	TOOTH CONF.	MACHINES	ARTICLE
110	22	-	20	3,6	5°	WZ	HOLZ-HER®	PKA.110022020.P0A
110	32	-	30	3,2	5°	LH	HOMAG®, BRANDT®, CEHISA®	PKA.110032030.P0L
110	32	-	30	3,2	5°	RH	HOMAG®, BRANDT®, CEHISA®	PKA.110032030.P0R
115	30	-	30	3,2	5°	WZ	SCM® K360 K560 K800	PKA.115030030.00A
115	30	-	30	3,2	5°	WZ 30°	SCM® STEFANI	PKA.115030030.P0A
125	30	-	24	2,6	5°	LH	SCM®	PKA.125030024.P0L
125	30	-	24	2,6	5°	RH	SCM®	PKA.125030024.P0R
125	30	-	36	3,2	Poz.	WZ 5°	SCM® K360 K560 K100	PKA.125030036.P1A
125	32	-	30	2,6	Poz.	LH	BRANDT®	PKA.125032030.P0L
125	32	-	30	2,6	Poz.	RH	BRANDT®	PKA.125032030.P0R
130	45	PH:4/4,5/55	20+4	3,6	Poz.	LH 30°	BIESSE® STREAM	PKA.130045020.P0L
130	45	PH:4/4,5/55	20+4	3,6	Poz.	RH 30°	BIESSE® STREAM	PKA.130045020.P0R
140	16	-	36	3,2	Poz.	LH	OTT®	PKA.140016036.P0L
140	16	-	36	3,2	Poz.	RH	OTT®	PKA.140016036.P0R
140	30	PH:3/8-12/40 LH + 3/8-12/40 RH	36	3,6	Poz.	WZZ	BIESSE® AKRON	PKA.140030036.00A
150	35	PH:4/6,5/50 LH	24+6	3,8	Poz.	LH	SCM®	PKA.150035030.P0L
150	35	PH:4/6,5/50 RH	24+6	3,8	Poz.	RH	SCM®	PKA.150035030.P0R
160	22	-	48	3,2	Poz.	WZ	IMA®	PKA.160022048.P0A
170	30	PH:4/5,5/52	36	3,2	Poz.	WZ	-	PKA.170030036.P0A

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DSR/DSN







Application:

For grooving and cutting materials such as MDF, HDF, plywood, veneered materials or not, covered with paper veneer or laminate. Very good price-life ratio.

Machines:

CNC machines, tenoner, edge banding machine.

Materials:


RAW MDF


LAMINATED MDF


RAW CHIPBOARD


LAMINATED CHIPBOARD


PLYWOOD


LAMINATED PLYWOOD

D mm	F mm	PH	Z	K mm	TOOTH CONF.	PCD H mm	Machines	ARTICLE
100	20	-	24	3,2	FP	6	VITAP POINT®	DSR.100020024.036
100	20	-	24	4	FP	6	VITAP POINT®	DSR.100020024.026
100	30	-	24	3,2	FP	6	-	DSR.100030024.046
100	30	-	24	3,2	FP	6	-	DSR.100030024.034
100	30	-	24	4	FP	6	-	DSR.100030024.016
100	30	-	24	4	FP	6	-	DSR.100030024.116
100	30	-	24	3,6	NSF	6	-	DSN.100030024.116
100	30	-	24	3,2	FP	4	-	DSR.100030024.044
100	30	-	24	4	FP	4	-	DSR.100030024.014
100	20	-	24	3,2	FP	4	-	DSR.100020024.034
100	20	-	24	4	FP	4	-	DSR.100020024.024
100	20	-	24	3,6	FP	6	-	DSR.100020024.016
100	20	-	24	3,6	FP	4	-	DSR.100020024.014

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D mm	F mm	PH	Z	K mm	TOOTH CONF.	PCD H mm	Machines	ARTICLE
100	30	4/M5/48 LH + 4/M5/48 RH	24	3,6	NSF	6	HOMAG®, WEEKE®, BHX®	DSN.100030024.016
100	30	4/M5/48 LH + 4/M5/48 RH	24	3,6	NSF	4	HOMAG®, WEEKE®, BHX®	DSN.100030024.014
120	35	4/M5/50 RH + 4/M5/50 LH	30	4	FP	6	BIESSE®, ROVER®	DSR.120035030.046
120	35	4/M5/50 RH + 4/M5/50 LH	30	3,2	FP	6	BIESSE®, ROVER®	DSR.120035030.106
120	35	4/M5/50 RH + 4/M5/50 LH	30	3,5	FP	6	BIESSE®, ROVER®	DSR.120035030.006
120	30	-	24	3,6	PR	6	-	DSR.120030024.046
120	30	-	24	3,2	PR	6	-	DSR.120030024.056
120	35	4/M5/50 RH + 4/M5/50 LH	30	4	FP	4	BIESSE®, ROVER®	DSR.120035030.044
120	35	4/M5/50 RH + 4/M5/50 LH	30	3,5	PR	4	BIESSE®, ROVER®	DSR.120035030.004
120	30	-	24	4	PR	6	-	DSR.120030024.036
120	20	3/M4/35 LH + 3/M4/35 RH	36	3,2	FP	6	SCM®, CYFLEX®	DSR.120020036.036
120	20	3/M4/35 LH + 3/M4/35 RH	24	4	PF	6	SCM®, CYFLEX®	DSR.120020024.026
120	20	3/M4/35 LH + 3/M4/35 RH	24	4	PR	4	SCM®, CYFLEX®	DSR.120020024.024
120	20	3/M4/35 LH + 3/M4/35 RH	24	3,2	FP	4	SCM®, CYFLEX®	DSR.120020024.014
120	20	3/M4/35 LH + 3/M4/35 RH	24	3,6	NSF	6	SCM®, CYFLEX®	DSN.120020024.016
125	20	3/M5/35 LH + 3/M5/35 RH	36	3,2	FP	6	SCM®, MORBIDELLI®	DSR.125020036.016
125	20	3/M5/35 LH + 3/M5/35 RH	36	3,6	FP	6	SCM®, MORBIDELLI®	DSR.125020036.046
125	50	4/5,5-10sv./72 RH + 4/5,5-10sv./72 LH	24	4	FP	6	-	DSR.125050024.006
125	30	4/M5/48 LH + 4/M5/48 RH	36	3,5	FP	6	HOMAG®, WEEKE®, BHX®	DSR.125030036.046
125	30	4/M5/48 LH + 4/M5/48 RH	36	3,2	FP	6	HOMAG®, WEEKE®, BHX®	DSR.125030036.036
125	30	4/M5/48 LH + 4/M5/48 RH	36	4	FP	6	HOMAG®, WEEKE®, BHX®	DSR.125030036.006
125	30	-	24	4	PR	6	-	DSR.125030024.086
125	20	3/M5/35 LH + 3/M5/35 RH	36	3,2	FP	4	SCM®, MORBIDELLI®	DSR.125020036.014
150	30	4/M6/48 LH + 4/M6/48 RH	36	4	PR	6	HOMAG®, WEEKE®, BHX®	DSR.150030036.066
150	35	4/M5/50 RH + 4/M5/50 LH	36	3,6	PR	6	BIESSE®, ROVER®	DSR.150035036.036
150	35	4/M5/50 RH + 4/M5/50 LH	36	3,2	PR	6	BIESSE®, ROVER®	DSR.150035036.026
150	30	4/M6/48 LH + 4/M6/48 RH	36	3,2	NSF	6	HOMAG®, WEEKE®, BHX®	DSN.150030036.016
150	30	4/M6/48 LH + 4/M6/48 RH	36	3,6	PR	6	HOMAG®, WEEKE®, BHX®	DSR.150030036.046
150	65	6/6/90RH+6/6/90LH	36	3,6	PR	6	HOMAG®	DSR.150065036.036
150	65	6/6/90RH+6/6/90LH	36	4	FP	56	HOMAG®	DSR.150065036.025
150	65	6/6/90RH+6/6/90LH	24	4	FP	6	HOMAG®	DSR.150065036.026
150	55	4/M6(6,5-12)/68 RH + 4/M6(6,5-12)/68 LH	36	4	FP	6	-	DSR.150055036.026
150	40	-	36	4	FP	6	-	DSR.150040036.046
150	35	4/5,5/50 + 2/5,9/46	36	4	FP	6	-	DSR.150035036.056
150	35	4/M5/50 RH + 4/M5/50 LH	36	3,2	PR	4	BIESSE®, ROVER®	DSR.150035036.024
150	35	4/M5/50 LH + RH + 2/6/46-49	30	4	FP	4	BIESSE® SKIPPER	DSR.150035030.004

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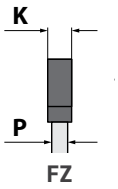
P05

CERATIZIT GROUP



HM





Application:

For grooving cuts or for rebating, chamfering, grooving and profiling as a set of tools. Allows multi-rip grooves using different kerf thickness.

Machines:

For double-end tenoner.

Materials:


SOFT SOLID WOOD


HARD SOLID WOOD


EXOTIC WOOD

D mm	F mm	Z	K mm	P mm	TOOTH CONF.	ARTICLE
125	30	12	1,5	1,2	FZ	P05.125030012.15P
125	30	12	1,8	1,2	FZ	P05.125030012.18P
125	30	12	2,0	1,4	FZ	P05.125030012.20P
125	30	12	2,5	1,6	FZ	P05.125030012.25P
125	30	12	3,0	2,0	FZ	P05.125030012.30P
125	30	12	3,5	2,5	FZ	P05.125030012.35P
125	30	12	4,0	2,8	FZ	P05.125030012.40P
125	30	12	4,5	3,2	FZ	P05.125030012.45P
125	30	12	5,0	4,0	FZ	P05.125030012.50P
125	30	12	6,0	4,0	FZ	P05.125030012.60P
150	30	18	1,8	1,2	FZ	P05.150030018.18P
150	30	18	2,0	1,4	FZ	P05.150030018.20P
150	30	18	2,5	1,6	FZ	P05.150030018.25P
150	30	18	3,0	2,0	FZ	P05.150030018.30P
150	30	18	3,5	2,5	FZ	P05.150030018.35P
150	30	18	4,0	2,8	FZ	P05.150030018.40P
150	30	18	5,0	4,0	FZ	P05.150030018.50P

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D mm	F mm	Z	K mm	P mm	TOOTH CONF.	ARTICLE
150	30	18	6,0	4,0	FZ	P05.150030018.60P
150	30	18	7,0	6,0	FZ	P05.150030018.70P
150	30	18	8,0	6,0	FZ	P05.150030018.80P
180	30	24	2,0	1,4	FZ	P05.180030024.20P
180	30	24	2,5	1,6	FZ	P05.180030024.25P
180	30	24	3,0	2,0	FZ	P05.180030024.30P
180	30	24	3,5	2,5	FZ	P05.180030024.35P
180	30	24	4,0	2,8	FZ	P05.180030024.40P
180	30	24	5,0	4,0	FZ	P05.180030024.50P
180	30	24	6,0	4,0	FZ	P05.180030024.60P
180	30	24	7,0	6,0	FZ	P05.180030024.70P
180	30	24	8,0	6,0	FZ	P05.180030024.80P

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PA1

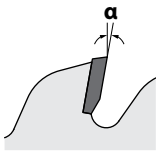
CERATIZIT GROUP

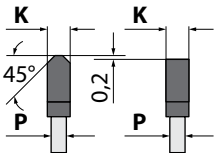












FZ/TR







Application:

Circular saw blade for cutting of non-ferrous profiles, plastic profiles (ex. PVC), etc., with wall thickness till 7 mm. The material must always be well clamped to avoid vibration. Narrow toothed saw blades for sawing thin walled non-ferrous and plastic profiles.

Machines:

For double cross cutting machines, CNC machines, mitre cutting machines, etc. Negative hook angle suited for cutting above.

Materials:

For cutting of non-ferrous profiles, plastic profiles (ex. PVC), etc., with wall thickness till 7 mm.

Technical details:

Circular saw blade with triple chip flat grinded carbide teeth (HW). With negative hook angle and reinforced body for higher resistance to side hits and reduce vibrations. Suited for cutting from above. Blades are silenced.

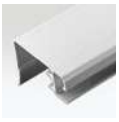
Materials:


ALUMINUM


PLASTICS


PLEXIGLASS


ALUMINUM PROFILES


PVC PROFILES

D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
300	30	PH03	96	3,2	2,6	-5°	PA1.300030096.N00
300	30	PH03	96	3,2	2,6	5°	PA1.300030096.P00
330	30	PH03	102	3,6	3,0	-5°	PA1.330030102.N00
330	30	PH03	102	3,6	3,0	5°	PA1.330030102.P00
350	30	PH03	108	3,6	3,0	-5°	PA1.350030108.N00
350	30	PH03	108	3,6	3,0	5°	PA1.350030108.P00
350	32	4/11/63	108	3,6	3,0	-5°	PA1.350032108.N00

Table continued on the next page ▶

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D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
350	32	2/11/63	108	3,6	3,0	5°	PA1.350032108.P00
400	30	PH03	120	4,0	3,2	-5°	PA1.400030120.N00
400	30	PH03	120	4,0	3,2	5°	PA1.400030120.P00
400	32	2/11/63	120	4,0	3,2	-5°	PA1.400032120.N00
400	32	2/11/63	120	4,0	3,2	5°	PA1.400032120.P00
450	30	PH03	128	4,0	3,2	-5°	PA1.450030128.N00
450	30	PH03	128	4,0	3,2	5°	PA1.450030128.P00
450	32	2/11/63	128	4,0	3,2	-5°	PA1.450032128.N00
450	32	2/11/63	128	4,0	3,2	5°	PA1.450032128.P00
500	30	2/10,5/70	140	4,2	3,4	-5°	PA1.500030140.N00
500	30	2/10,5/70	140	4,2	3,4	5°	PA1.500030140.P00
500	32	2/11/63	140	4,2	3,4	-5°	PA1.500032140.N00
550	32	2/11/63	140	4,2	3,4	5°	PA1.500032140.P00
550	30	2/10,5/70	140	4,2	3,4	5°	PA1.550030140.P00
550	30	2/10,5/70	168	4,2	3,4	5°	PA1.550030168.P00
550	32	2/11/63	140	4,2	3,4	5°	PA1.550032140.P00
600	32	2/11/63	140	4,6	4,0	5°	PA1.600032140.P00
600	40	2/11/63	140	4,6	4,0	5°	PA1.600040140.P00

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Index of ITA TOOLS Saw Blades

D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
80	20	12	3,0-4,0	2,2	PCD H4	KON	DSB.080020012.004	Scoring Blades	180
80	20	10+10	2,8-3,6	2,2	PCD H4	FZ	DSC.080020020.004	Adjustable Scoring Blades	181
80	20	20	2,8-3,6	2x2,2	HM	FZ	P37.080020020.000	Adjustable Scoring Blades	178
80	20	16	2,4	-	HM	WZ	PKA.080020016.P0A	Edgebanders	184
80	30	12	3,2	-	HM	LH	PKA.080030012.P0L	Edgebanders	184
80	30	12	3,2	-	HM	RH	PKA.080030012.P0R	Edgebanders	184
85	30	12	3,2	-	HM	LH	PKA.085030012.P0L	Edgebanders	184
85	30	12	3,2	-	HM	RH	PKA.085030012.P0R	Edgebanders	184
100	20	20	3,0-4,0	2,5	PCD H4	KON	DSB.100020020.004	Scoring Blades	180
100	20	10+10	2,8-3,6	2,2	PCD H4	FZ	DSC.100020020.004	Adjustable Scoring Blades	181
100	20	24	3,6	-	PCD H4	FP	DSR.100020024.014	CNC sawing aggregate	186
100	20	24	3,6	-	PCD H6	FP	DSR.100020024.016	CNC sawing aggregate	186
100	20	24	4,0	-	PCD H4	FP	DSR.100020024.024	CNC sawing aggregate	186
100	20	24	4,0	-	PCD H6	FP	DSR.100020024.026	CNC sawing aggregate	186
100	20	24	3,2	-	PCD H4	FP	DSR.100020024.034	CNC sawing aggregate	186
100	20	24	3,2	-	PCD H6	FP	DSR.100020024.036	CNC sawing aggregate	186
100	20	20	3,1-4,3	2,2	HM	KON/WZ	P36.100020020.000	Scoring Blades	177
100	20	20	2,8-3,6	2x2,2	HM	FZ	P37.100020020.000	Adjustable Scoring Blades	178
100	20	24	3,2	2,2	HM	WZ	PDA.100020024.A00	CNC sawing aggregate	182
100	20	24	4,0	2,8	HM	PR	PDA.100020024.P00	CNC sawing aggregate	182
100	20	24	3,6	2,8	HM	PR	PDA.100020024.P01	CNC sawing aggregate	182
100	22	20	3,0-4,0	2,5	PCD H4	KON	DSB.100022020.004	Scoring Blades	180
100	22	20	3,1-4,3	2,2	HM	KON/WZ	P36.100022020.000	Scoring Blades	177
100	22	20	2,8-3,6	2x2,2	HM	FZ	P37.100022020.00W	Adjustable Scoring Blades	178
100	22	20	2,4	-	HM	WZ	PKA.100022020.N0A	Edgebanders	184
100	22	20	3,2	-	HM	WZ	PKA.100022020.P1A	Edgebanders	184
100	30	24	3,6	-	PCD H4	NSF	DSN.100030024.014	CNC sawing aggregate	187
100	30	24	3,6	-	PCD H6	NSF	DSN.100030024.016	CNC sawing aggregate	187
100	30	24	3,6	-	PCD H6	NSF	DSN.100030024.116	CNC sawing aggregate	186
100	30	24	4,0	-	PCD H4	FP	DSR.100030024.014	CNC sawing aggregate	186
100	30	24	4,0	-	PCD H6	FP	DSR.100030024.016	CNC sawing aggregate	186
100	30	24	3,2	-	PCD H6	FP	DSR.100030024.034	CNC sawing aggregate	186
100	30	24	3,2	-	PCD H5	FP	DSR.100030024.044	CNC sawing aggregate	186
100	30	24	3,2	-	PCD H6	FP	DSR.100030024.046	CNC sawing aggregate	186
100	30	24	4,0	-	PCD H6	FP	DSR.100030024.116	CNC sawing aggregate	186
100	30	20	3,4	2,2	HM	WZ	PDA.100030020.A00	CNC sawing aggregate	182
100	30	24	4,0	2,8	HM	FZ	PDA.100030024.P00	CNC sawing aggregate	182
100	30	20	3,2	-	HM	WZ	PKA.100030020.P1A	Edgebanders	184
100	30	30	2,6	-	HM	LH	PKA.100030030.P0L	Edgebanders	184

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
100	30	30	2,6	-	HM	RH	PKA.100030030.P0R	Edgebanders	184
100	32	20	3,2	-	HM	LH	PKA.100032020.P1L	Edgebanders	184
100	32	20	3,2	-	HM	RH	PKA.100032020.P1R	Edgebanders	184
100	32	30	2,6	-	HM	LH	PKA.100032030.N0L	Edgebanders	184
100	32	30	2,6	-	HM	RH	PKA.100032030.N0R	Edgebanders	184
100	32	30	2,6	-	HM	WZ	PKA.100032030.P0A	Edgebanders	184
100	32	30	3,2	-	HM	LH	PKA.100032030.P3L	Edgebanders	184
100	32	30	3,2	-	HM	RH	PKA.100032030.P3R	Edgebanders	184
110	22	20	3,6	-	HM	WZ	PKA.110022020.P0A	Edgebanders	185
110	32	30	3,2	-	HM	LH	PKA.110032030.P0L	Edgebanders	185
110	32	30	3,2	-	HM	RH	PKA.110032030.P0R	Edgebanders	185
115	30	30	3,2	-	HM	WZ	PKA.115030030.00A	Edgebanders	185
115	30	30	3,2	-	HM	WZ 30°	PKA.115030030.P0A	Edgebanders	185
120	20	24	3,0-4,0	2,5	PCD H4	KON	DSB.120020024.004	Scoring Blades	180
120	20	24	3,0-4,0	2,5	PCD H6	KON	DSB.120020024.006	Scoring Blades	180
120	20	12+12	2,8-3,6	2,2	PCD H4	FZ	DSC.120020024.004	Adjustable Scoring Blades	181
120	20	12+12	2,8-3,6	2,2	PCD H6	FZ	DSC.120020024.006	Adjustable Scoring Blades	181
120	20	24	3,6	-	PCD H6	NSF	DSN.120020024.016	CNC sawing aggregate	187
120	20	24	3,2	-	PCD H4	FP	DSR.120020024.014	CNC sawing aggregate	187
120	20	24	4,0	-	PCD H4	PR	DSR.120020024.024	CNC sawing aggregate	187
120	20	24	4,0	-	PCD H6	PF	DSR.120020024.026	CNC sawing aggregate	187
120	20	36	3,2	-	PCD H6	FP	DSR.120020036.036	CNC sawing aggregate	187
120	20	24	3,1-4,3	2,2	HM	KON/WZ	P36.120020024.000	Scoring Blades	177
120	20	2+12	2,8-3,6	2x2,2	HM	FZ	P37.120020024.000	Adjustable Scoring Blades	178
120	20	24	3,2	2,2	HM	FZ	PDA.120020024.P01	CNC sawing aggregate	182
120	20	24	4,0	2,8	HM	FZ	PDA.120020024.P02	CNC sawing aggregate	182
120	20	36	4,0	2,8	HM	WZ	PDA.120020036.A01	CNC sawing aggregate	182
120	22	24	3,0-4,0	2,5	PCD H4	KON	DSB.120022024.004	Scoring Blades	180
120	22	12+12	2,8-3,6	2,2	PCD H4	FZ	DSC.120022024.004	Adjustable Scoring Blades	181
120	22	12+12	2,8-3,6	2,2	PCD H6	FZ	DSC.120022024.006	Adjustable Scoring Blades	181
120	22	24	3,1-4,3	2,2	HM	KON/WZ	P36.120022024.000	Scoring Blades	177
120	22	2+12	2,8-3,6	2x2,2	HM	FZ	P37.120022024.000	Adjustable Scoring Blades	178
120	30	24	4,0	-	PCD H6	PR	DSR.120030024.036	CNC sawing aggregate	187
120	30	24	3,6	-	PCD H6	PR	DSR.120030024.046	CNC sawing aggregate	187
120	30	24	3,2	-	PCD H6	PR	DSR.120030024.056	CNC sawing aggregate	187
120	35	30	3,5	-	PCD H4		DSR.120035030.004	CNC sawing aggregate	187
120	35	30	3,5	-	PCD H6	FP	DSR.120035030.006	CNC sawing aggregate	187
120	35	30	4,0	-	PCD H4	FP	DSR.120035030.044	CNC sawing aggregate	187
120	35	30	4,0	-	PCD H6	FP	DSR.120035030.046	CNC sawing aggregate	187
120	35	30	3,2	-	PCD H6	FP	DSR.120035030.106	CNC sawing aggregate	187

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
120	35	16	4,0	2,8	HM	FZ	PDA.120035016.P00	CNC sawing aggregate	182
120	35	30	4,0	2,8	HM	FZ	PDA.120035030.P00	CNC sawing aggregate	182
120	35	36	3,2	2,2	HM	WZ	PDA.120035036.A00	CNC sawing aggregate	182
120	35	36	4,0	2,8	HM	WZ	PDA.120035036.A01	CNC sawing aggregate	182
120	50	2+12	2,8-3,6	2,2	HM	FZ	P37.120050024.000	Adjustable Scoring Blades	178
125	20	24	3,0-4,0	2,5	PCD H4	KON	DSB.125020024.004	Scoring Blades	180
125	20	24	3,0-4,0	2,5	PCD H6	KON	DSB.125020024.006	Scoring Blades	180
125	20	12+12	2,8-3,6	2,2	PCD H4	FZ	DSC.125020024.004	Adjustable Scoring Blades	181
125	20	12+12	2,8-3,6	2,2	PCD H6	FZ	DSC.125020024.006	Adjustable Scoring Blades	181
125	20	36	3,2	-	PCD H4	FP	DSR.125020036.014	CNC sawing aggregate	187
125	20	36	3,2	-	PCD H6	FP	DSR.125020036.016	CNC sawing aggregate	187
125	20	36	3,6	-	PCD H6	FP	DSR.125020036.046	CNC sawing aggregate	187
125	20	24	3,1-4,3	2,2	HM	KON/WZ	P36.125020024.000	Scoring Blades	177
125	20	2+12	2,8-3,6	2x2,2	HM	FZ	P37.125020024.000	Adjustable Scoring Blades	178
125	20	36	3,2	2,2	HM	WZ	PDA.125020036.A00	CNC sawing aggregate	182
125	20	36	4,0	2,8	HM	WZ	PDA.125020036.A01	CNC sawing aggregate	182
125	22	24	3,0-4,0	2,5	PCD H4	KON	DSB.125022024.004	Scoring Blades	180
125	22	24	3,0-4,0	2,5	PCD H6	KON	DSB.125022024.006	Scoring Blades	180
125	22	12+12	2,8-3,6	2,2	PCD H4	FZ	DSC.125022024.004	Adjustable Scoring Blades	181
125	22	24	3,1-4,3	2,2	HM	KON/WZ	P36.125022024.000	Scoring Blades	177
125	22	2+12	2,8-3,6	2x2,2	HM	FZ	P37.125022024.000	Adjustable Scoring Blades	178
125	30	24	4,0	-	PCD H6	PR	DSR.125030024.086	CNC sawing aggregate	187
125	30	36	4,0	-	PCD H6	FP	DSR.125030036.006	CNC sawing aggregate	187
125	30	36	3,2	-	PCD H6	FP	DSR.125030036.036	CNC sawing aggregate	187
125	30	36	3,5	-	PCD H6	FP	DSR.125030036.046	CNC sawing aggregate	187
125	30	12	1,5	1,2	HM	FZ	P05.125030012.15P	Grooving	188
125	30	12	1,8	1,2	HM	FZ	P05.125030012.18P	Grooving	188
125	30	12	2,0	1,4	HM	FZ	P05.125030012.20P	Grooving	188
125	30	12	2,5	1,6	HM	FZ	P05.125030012.25P	Grooving	188
125	30	12	3,0	2,0	HM	FZ	P05.125030012.30P	Grooving	188
125	30	12	3,5	2,5	HM	FZ	P05.125030012.35P	Grooving	188
125	30	12	4,0	2,8	HM	FZ	P05.125030012.40P	Grooving	188
125	30	12	4,5	3,2	HM	FZ	P05.125030012.45P	Grooving	188
125	30	12	5,0	4,0	HM	FZ	P05.125030012.50P	Grooving	188
125	30	12	6,0	4,0	HM	FZ	P05.125030012.60P	Grooving	188
125	30	36	3,2	2,2	HM	WZ	PDA.125030036.A00	CNC sawing aggregate	182
125	30	36	4,0	2,8	HM	WZ	PDA.125030036.A01	CNC sawing aggregate	183
125	30	36	3,4	2,2	HM	WZ	PDA.125030036.A05	CNC sawing aggregate	183
125	30	24	2,6	-	HM	LH	PKA.125030024.P0L	Edgebanders	185
125	30	24	2,6	-	HM	RH	PKA.125030024.P0R	Edgebanders	185

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
125	30	36	3,2	-	HM	WZ 5°	PKA.125030036.P1A	Edgebanders	185
125	32	30	2,6	-	HM	LH	PKA.125032030.P0L	Edgebanders	185
125	32	30	2,6	-	HM	RH	PKA.125032030.P0R	Edgebanders	185
125	50	12+12	2,8-3,6	2,2	PCD H4	FZ	DSC.125050024.004*	Adjustable Scoring Blades	181
125	50	24	4,0	-	PCD H6	FP	DSR.125050024.006	CNC sawing aggregate	187
130	45	20+4	3,6	-	HM	H 30°	PKA.130045020.P0L	Edgebanders	185
130	45	20+4	3,6	-	HM	H 30°	PKA.130045020.P0R	Edgebanders	185
140	16	36	3,2	-	HM	LH	PKA.140016036.P0L	Edgebanders	185
140	16	36	3,2	-	HM	RH	PKA.140016036.P0R	Edgebanders	185
140	30	36	3,6	-	HM	WZZ	PKA.140030036.00A	Edgebanders	185
150	20	36	4,3-5,2	3,2	PCD H4	KON	DSB.150020036.004	Scoring Blades	174
150	30	36	4,3-5,2	3,2	PCD H4	KON	DSB.150030036.004	Scoring Blades	174
150	30	36	4,3-5,5	3,2	PCD H6	KON	DSB.150030036.006	Scoring Blades	174
150	30	36	3,2	-	PCD H6	NSF	DSR.150030036.036	CNC sawing aggregate	187
150	30	36	3,6	-	PCD H6	PR	DSR.150030036.046	CNC sawing aggregate	187
150	30	36	4,0	-	PCD H6	PR	DSR.150030036.066	CNC sawing aggregate	187
150	30	18	1,8	1,2	HM	FZ	P05.150030018.18P	Grooving	188
150	30	18	2,0	1,4	HM	FZ	P05.150030018.20P	Grooving	188
150	30	18	2,5	1,6	HM	FZ	P05.150030018.25P	Grooving	188
150	30	18	3,0	2,0	HM	FZ	P05.150030018.30P	Grooving	188
150	30	18	3,5	2,5	HM	FZ	P05.150030018.35P	Grooving	188
150	30	18	4,0	2,8	HM	FZ	P05.150030018.40P	Grooving	188
150	30	18	5,0	4,0	HM	FZ	P05.150030018.50P	Grooving	188
150	30	18	6,0	4,0	HM	FZ	P05.150030018.60P	Grooving	189
150	30	18	7,0	6,0	HM	FZ	P05.150030018.70P	Grooving	189
150	30	18	8,0	6,0	HM	FZ	P05.150030018.80P	Grooving	189
150	30	36	4,4-5,6	3,2	HM	KON/WZ	P36.150030036.003	Scoring Blades	177
150	30	36	3,2	2,2	HM	WZ	PDA.150030036.A00	CNC sawing aggregate	183
150	35	36	3,6	-	PCD H6	PR	DSR.150030036.036	CNC sawing aggregate	187
150	35	30	4,0	-	PCD H4	FP	DSR.150035030.004	CNC sawing aggregate	187
150	35	36	3,2	-	PCD H4	PR	DSR.150035036.024	CNC sawing aggregate	187
150	35	36	3,2	-	PCD H6	PR	DSR.150035036.026	CNC sawing aggregate	187
150	35	36	4,0	-	PCD H6	FP	DSR.150035036.056	CNC sawing aggregate	187
150	35	30	4,0	3,0	HM	WZ	PDA.150035030.A00	CNC sawing aggregate	183
150	35	30	4,0	3,0	HM	WZ	PDA.150035030.A03	CNC sawing aggregate	183
150	35	36	4,0	3,0	HM	WZ	PDA.150035036.A03	CNC sawing aggregate	183
150	35	24+6	3,8	-	HM	LH	PKA.150035030.P0L	Edgebanders	185
150	35	24+6	3,8	-	HM	RH	PKA.150035030.P0R	Edgebanders	185
150	40	36	4,0	-	PCD H6	FP	DSR.150040036.046	CNC sawing aggregate	187
150	45	36	4,4-5,6	3,2	HM	KON/WZ	P36.150045036.000	Scoring Blades	171

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
150	55	36	4,0	-	PCD H6	FP	DSR.150055036.026	CNC sawing aggregate	187
150	65	24	4,0	-	PCD H6	FP	DSR.150065024.026	CNC sawing aggregate	187
150	65	36	4,0	-	PCD H5	FP	DSR.150065036.025	CNC sawing aggregate	187
150	65	36	3,6	-	PCD H6	PR	DSR.150065036.036	CNC sawing aggregate	187
160	22	48	3,2	-	HM	WZ	PKA.160022048.P0A	Edgebanders	185
160	30	36	3,2	2,2	HM	WZ	PDA.160030036.A00	CNC sawing aggregate	183
160	55	36	4,3-5,2	3,2	PCD H4	KON	DSB.160055036.004	Scoring Blades	174
160	55	36	4,3-5,6	3,2	PCD H6	KON	DSB.160055036.006	Scoring Blades	174
160	55	36	4,4-5,6	3,2	HM	KON/WZ	P36.160055036.000	Scoring Blades	171
170	30	36	3,2	-	HM	WZ	PKA.170030036.P0A	Edgebanders	185
180	30	36	4,3-5,2	3,2	PCD H4	KON	DSB.180030036.004	Scoring Blades	174
180	30	36	4,3-5,5	3,2	PCD H6	KON	DSB.180030036.006	Scoring Blades	174
180	30	24	2,0	1,4	HM	FZ	P05.180030024.20P	Grooving	189
180	30	24	2,5	1,6	HM	FZ	P05.180030024.25P	Grooving	189
180	30	24	3,0	2,0	HM	FZ	P05.180030024.30P	Grooving	189
180	30	24	3,5	2,5	HM	FZ	P05.180030024.35P	Grooving	189
180	30	24	4,0	2,8	HM	FZ	P05.180030024.40P	Grooving	189
180	30	24	5,0	4,0	HM	FZ	P05.180030024.50P	Grooving	189
180	30	24	6,0	4,0	HM	FZ	P05.180030024.60P	Grooving	189
180	30	24	7,0	6,0	HM	FZ	P05.180030024.70P	Grooving	189
180	30	24	8,0	6,0	HM	FZ	P05.180030024.80P	Grooving	189
180	30	36	4,4-5,6	3,2	HM	KON/WZ	P36.180030036.000	Scoring Blades	171
180	30	36	4,0	2,8	HM	FZ	PDA.180030036.P0R	CNC sawing aggregate	183
180	45	36	4,3-5,2	3,2	PCD H4	KON	DSB.180045036.004	Scoring Blades	174
180	45	36	4,3-5,5	3,2	PCD H6	KON	DSB.180045036.006	Scoring Blades	174
180	45	36	4,7-5,6	3,5	PCD H4	KON	DSB.180045036.014	Scoring Blades	174
180	45	36	4,7-5,8	3,5	PCD H6	KON	DSB.180045036.016	Scoring Blades	174
180	45	36	4,4-5,6	3,2	HM	KON/WZ	P36.180045036.001	Scoring Blades	171
180	45	36	4,8-6,0	3,5	HM	KON/WZ	P36.180045036.010	Scoring Blades	171
200	2	36	4,3-5,5	3,2	PCD H6	KON	DSB.200020036.006	Scoring Blades	174
200	3	36	4,3-5,2	3,2	PCD H4	KON	DSB.200030036.004	Scoring Blades	175
200	4	36	4,3-5,2	3,2	PCD H4	KON	DSB.200045036.004	Scoring Blades	175
200	4	36	4,3-5,5	3,2	PCD H6	KON	DSB.200045036.006	Scoring Blades	175
200	4	36	4,7-5,6	3,5	PCD H4	KON	DSB.200045036.014	Scoring Blades	175
200	4	36	4,7-5,8	3,5	PCD H6	KON	DSB.200045036.016	Scoring Blades	175
200	5	36	4,3-5,2	3,2	PCD H4	KON	DSB.200050036.014	Scoring Blades	175
200	5	36	4,3-5,5	3,2	PCD H6	KON	DSB.200050036.026	Scoring Blades	175
200	6	36	4,3-5,2	3,2	PCD H4	KON	DSB.200065036.004	Scoring Blades	175
200	6	36	4,3-5,5	3,2	PCD H6	KON	DSB.200065036.006	Scoring Blades	175
200	8	36	4,3-5,2	3,2	PCD H4	KON	DSB.200080036.004	Scoring Blades	175

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
200	8	36	4,3-5,5	3,2	PCD H6	KON	DSB.200080036.006	Scoring Blades	175
200	20	36	4,3-5,2	3,2	PCD H4	KON	DSB.200020036.004	Scoring Blades	174
200	20	36	4,4-5,6	3,2	HM	KON/WZ	P36.200020036.005	Scoring Blades	171
200	45	36	4,4-5,6	3,2	HM	KON/WZ	P36.200045036.000	Scoring Blades	171
200	45	36	4,8-6,0	3,5	HM	KON/WZ	P36.200045036.010	Scoring Blades	171
200	50	36	4,3-5,5	3,2	HM	KON/WZ	P36.200050036.001	Scoring Blades	171
200	65	36	4,4-5,6	3,2	HM	KON/WZ	P36.200065036.000	Scoring Blades	171
200	80	36	4,4-5,6	3,2	HM	KON/WZ	P36.200080036.000	Scoring Blades	171
235	70	34	2,8	1,8	HM	WZ	PW1.235070034.000	Multi-Rip	163
250	30	48	3,2	2,2	PCD H4	FZ/TR	DSA.250030048.004	Circular Saw Blades	179
250	30	48	3,2	2,2	PCD H6	FZ/TR	DSA.250030048.006	Circular Saw Blades	179
250	30	60	3,2	2,2	PCD H4	FZ/TR	DSA.250030060.004	Circular Saw Blades	179
250	30	60	3,2	2,2	PCD H6	FZ/TR	DSA.250030060.006	Circular Saw Blades	179
250	30	80	3,2	2,2	PCD H4	FZ/TR	DSA.250030080.004	Circular Saw Blades	179
250	30	80	3,2	2,2	PCD H6	FZ/TR	DSA.250030080.006	Circular Saw Blades	179
250	30	48	3,2	2,2	HM	WZ	P01.250030048.00W	universal and cross-cutting	164
250	30	60	3,2	2,2	HM	WZ	P01.250030060.00W	universal and cross-cutting	164
250	30	80	3,2	2,2	HM	WZ	P01.250030080.00W	universal and cross-cutting	164
250	30	80	3,2	2,2	HM	FZ/TR	P15.250030080.00W	Circular Saw Blades	176
250	70	16+2	3,5	2,2	HM	WZ	PW1.250070016.201	Multi-Rip	163
280	3	48	4,3	5,2	PCD H4	KON	DSB.280030048.004	Scoring Blades	175
300	3	48	4,3-5,2	3,2	PCD H4	KON	DSB.300030048.004	Scoring Blades	175
300	3	48	4,3-5,5	3,2	PCD H6	KON	DSB.300030048.006	Scoring Blades	175
300	6	48	4,3-5,2	3,2	PCD H4	KON	DSB.300065048.004	Scoring Blades	175
300	8	48	4,3	5,5	PCD H6	KON	DSB.300080048.006	Scoring Blades	175
300	30	60	3,2	2,2	PCD H4	FZ/TR	DSA.300030060.004	Circular Saw Blades	179
300	30	60	3,2	2,2	PCD H6	FZ/TR	DSA.300030060.006	Circular Saw Blades	179
300	30	60	4,4	3,2	PCD H6	FZ/TR	DSA.300030060.016	Panel Sizing	172
300	30	60	4,4	3,2	PCD H8	FZ/TR	DSA.300030060.018	Panel Sizing	172
300	30	72	3,2	2,2	PCD H4	FZ/TR	DSA.300030072.004	Circular Saw Blades	179
300	30	72	3,2	2,2	PCD H6	FZ/TR	DSA.300030072.006	Circular Saw Blades	179
300	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.300030072.056	Panel Sizing	172
300	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.300030072.058	Panel Sizing	172
300	30	96	3,2	2,2	PCD H4	FZ/TR	DSA.300030096.004	Circular Saw Blades	179
300	30	96	3,2	2,2	PCD H6	FZ/TR	DSA.300030096.006	Circular Saw Blades	179
300	30	48	3,2	2,2	HM	WZ	P01.300030048.00W	universal and cross-cutting	164
300	30	72	3,2	2,2	HM	WZ	P01.300030072.00W	universal and cross-cutting	164
300	30	96	3,2	2,2	HM	WZ	P01.300030096.00W	universal and cross-cutting	164
300	30	20	3,2	2,2	HM	FZ	P04.300030020.0	cross-cutting	165
300	30	96	3,2	2,2	HM	FZ/TR	P15.300030096.01W	Circular Saw Blades	176

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
300	30	60	4,4	3,2	HM	FZ/ TR	P28.300030060.00W	Panel Sizing	167
300	30	72	4,4	3,2	HM	FZ/ TR	P28.300030072.00W	Panel Sizing	167
300	30	60	4,4	3,0	HM	FZ/ TR	P30.300030060.PFW	Panel Sizing	170
300	30	72	4,4	3,0	HM	FZ/ TR	P30.300030072.PFW	Panel Sizing	170
300	30	48	4,4-5,9	3,2	HM	KON/WZ	P36.300030048.001	Scoring Blades	171
300	30	96	3,2	2,6	HM	FZ/TR	PA1.300030096.N00	non-ferrous & PVC profiles	190
300	30	96	3,2	2,6	HM	FZ/TR	PA1.300030096.P00	non-ferrous & PVC profiles	190
300	50	20+4	3,7	2,5	HM	WZ	PW1.300050020.400	Multi-Rip	163
300	60	72	4,4	3,2	PCD H6	FZ/TR	DSA.300060072.006	Panel Sizing	172
300	60	72	4,4	3,2	PCD H8	FZ/TR	DSA.300060072.008	Panel Sizing	172
300	60	72	4,4	3,2	HM	FZ/ TR	P28.300060072.00W	Panel Sizing	167
300	70	18+4	3,7	2,5	HM	WZ	PW1.300070018.400	Multi-Rip	163
300	70	18+4	3,5	2,2	HM	WZ	PW1.300070018.400	Multi-Rip	163
300	70	18+4	3,7	2,5	HM	WZ	PW1.300070018.402	Multi-Rip	163
300	70	18+4	3,5	2,2	HM	WZ	PW1.300070018.405	Multi-Rip	163
300	80	60	4,4	3,2	PCD H6	FZ/TR	DSA.300080060.006	Panel Sizing	172
300	80	60	4,4	3,2	PCD H8	FZ/TR	DSA.300080060.008	Panel Sizing	172
300	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.300080072.006	Panel Sizing	172
300	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.300080072.008	Panel Sizing	172
300	80	60	4,4	3,2	HM	FZ/ TR	P28.300080060.00W	Panel Sizing	167
300	80	72	4,4	3,2	HM	FZ/ TR	P28.300080072.02W	Panel Sizing	167
300	80	60	4,4	3,2	HM	FZ/ TR	P30.300080060.PFW	Panel Sizing	170
300	80	72	4,4	3,2	HM	FZ/ TR	P30.300080072.PFW	Panel Sizing	170
300	80	18+4	3,7	2,5	HM	WZ	PW1.300080018.400	Multi-Rip	163
300	80	18+4	3,5	2,2	HM	WZ	PW1.300080018.401	Multi-Rip	163
300	80	24+4	3,2	2,2	HM	WZ	PW1.300080024.400	Multi-Rip	163
310	60	72	4,4	3,2	PCD H6	FZ/TR	DSA.310060072.006	Panel Sizing	172
310	60	72	4,4	3,2	PCD H8	FZ/TR	DSA.310060072.008	Panel Sizing	172
310	60	72	4,4	3,2	HM	FZ/ TR	P28.310060072.00W	Panel Sizing	167
310	60	72	4,4	3,2	HM	FZ/ TR	P30.310060072.PFW	Panel Sizing	170
315	30	72	3,2	2,2	HM	WZ	P01.315030072.00W	universal and cross-cutting	164
315	30	28	3,2	2,2	HM	FZ	P04.315030028.00W	cross-cutting	165
315	80	18+4	3,2	2,2	HM	WZ	PW1.315080018.400	Multi-Rip	163
320	30	60	4,4	3,2	PCD H6	FZ/TR	DSA.320030060.006	Panel Sizing	172
320	30	60	4,4	3,2	PCD H8	FZ/TR	DSA.320030060.008	Panel Sizing	172
320	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.320030072.006	Panel Sizing	172
320	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.320030072.008	Panel Sizing	172
320	30	60	4,4	3,2	HM	FZ/ TR	P28.320030060.00W	Panel Sizing	167
320	30	72	4,4	3,2	HM	FZ/ TR	P28.320030072.00W	Panel Sizing	167
320	30	60	4,4	3,2	HM	FZ/ TR	P30.320030060.PFW	Panel Sizing	170

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
320	30	72	4,4	3,2	HM	FZ/ TR	P30.320030072.PFW	Panel Sizing	170
320	65	60	4,4	3,2	PCD H6	FZ/TR	DSA.320065060.006	Panel Sizing	172
320	65	60	4,4	3,2	PCD H8	FZ/TR	DSA.320065060.008	Panel Sizing	172
320	65	72	4,4	3,2	PCD H6	FZ/TR	DSA.320065072.016	Panel Sizing	172
320	65	72	4,4	3,2	PCD H8	FZ/TR	DSA.320065072.018	Panel Sizing	172
320	65	60	4,4	3,2	HM	FZ/ TR	P28.320065060.00W	Panel Sizing	167
320	65	72	4,4	3,2	HM	FZ/ TR	P28.320065072.00W	Panel Sizing	167
320	65	72	4,4	3,2	HM	FZ/ TR	P30.320065072.PFW	Panel Sizing	170
320	80	60	4,4	3,2	PCD H6	FZ/TR	DSA.320080060.006	Panel Sizing	173
320	80	60	4,4	3,2	PCD H8	FZ/TR	DSA.320080060.008	Panel Sizing	173
320	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.320080072.006	Panel Sizing	173
320	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.320080072.008	Panel Sizing	173
320	80	60	4,4	3,2	HM	FZ/ TR	P28.320080060.00W	Panel Sizing	167
320	80	72	4,4	3,2	HM	FZ/ TR	P28.320080072.00W	Panel Sizing	168
320	80	60	4,4	3,2	HM	FZ/ TR	P30.320080060.PFW	Panel Sizing	170
320	80	72	4,4	3,2	HM	FZ/ TR	P30.320080072.PFW	Panel Sizing	170
330	30	102	3,6	3,0	HM	FZ/TR	PA1.330030102.N00	non-ferrous & PVC profiles	190
330	30	102	3,6	3,0	HM	FZ/TR	PA1.330030102.P00	non-ferrous & PVC profiles	190
340	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.340080072.006	Panel Sizing	173
340	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.340080072.008	Panel Sizing	173
340	80	72	4,4	3,2	HM	FZ/ TR	P28.340080072.00W	Panel Sizing	168
340	80	72	4,4	3,2	HM	FZ/ TR	P30.340080072.PFW	Panel Sizing	170
350	30	72	3,5	2,4	PCD H4	FZ/TR	DSA.350030072.004	Circular Saw Blades	179
350	30	72	3,5	2,4	PCD H6	FZ/TR	DSA.350030072.006	Circular Saw Blades	179
350	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.350030072.016	Panel Sizing	173
350	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.350030072.018	Panel Sizing	173
350	30	54	3,5	2,5	HM	WZ	P01.350030054.00W	universal and cross-cutting	164
350	30	84	3,5	2,5	HM	WZ	P01.350030084.00W	universal and cross-cutting	164
350	30	108	3,5	2,5	HM	WZ	P01.350030108.00W	universal and cross-cutting	164
350	30	24	3,5	2,5	HM	FZ	P04.350030024.00W	cross-cutting	165
350	30	108	3,5	2,5	HM	FZ/TR	P15.350030108.001	Circular Saw Blades	176
350	30	108	3,2	2,2	HM	FZ/TR	P15.350030108.01W	Circular Saw Blades	176
350	30	72	4,4	3,2	HM	FZ/ TR	P28.350030072.00W	Panel Sizing	168
350	30	72	4,4	3,2	HM	FZ/ TR	P30.350030072.PFW	Panel Sizing	170
350	30	108	3,6	3,0	HM	FZ/TR	PA1.350030108.N00	non-ferrous & PVC profiles	190
350	30	108	3,6	3,0	HM	FZ/TR	PA1.350030108.P00	non-ferrous & PVC profiles	190
350	32	108	3,6	3,0	HM	FZ/TR	PA1.350032108.N00	non-ferrous & PVC profiles	190
350	32	108	3,6	3,0	HM	FZ/TR	PA1.350032108.P00	non-ferrous & PVC profiles	191
350	60	72	4,4	3,2	PCD H6	FZ/TR	DSA.350060072.006	Panel Sizing	173
350	60	72	4,4	3,2	PCD H8	FZ/TR	DSA.350060072.008	Panel Sizing	173

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
350	60	72	4,4	3,2	HM	FZ/ TR	P28.350060072.00W	Panel Sizing	168
350	60	72	4,4	3,2	HM	FZ/ TR	P30.350060072.PFW	Panel Sizing	170
350	70	18+4	4,2	2,8	HM	WZ	PW1.350070018.400	Multi-Rip	163
350	70	18+4	3,9	2,6	HM	WZ	PW1.350070018.401	Multi-Rip	163
350	70	18+4	4,0	2,7	HM	WZ	PW1.350070018.402	Multi-Rip	163
350	70	18+4	4,4	3,0	HM	WZ	PW1.350070018.403	Multi-Rip	163
350	75	72	4,4	3,2	PCD H6	FZ/TR	DSA.350075072.006	Panel Sizing	173
350	75	72	4,4	3,2	PCD H8	FZ/TR	DSA.350075072.008	Panel Sizing	173
350	75	72	4,4	3,2	HM	FZ/ TR	P28.350075072.00W	Panel Sizing	168
350	75	72	4,4	3,2	HM	FZ/ TR	P30.350075072.PFW	Panel Sizing	170
350	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.350080072.006	Panel Sizing	173
350	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.350080072.008	Panel Sizing	173
350	80	72	4,4	3,2	HM	FZ/ TR	P28.350080072.00W	Panel Sizing	168
350	80	72	4,4	3,2	HM	FZ/ TR	P30.350080072.PFW	Panel Sizing	170
350	80	18+4	4,2	2,8	HM	WZ	PW1.350080018.400	Multi-Rip	163
350	80	18+4	3,9	2,6	HM	WZ	PW1.350080018.401	Multi-Rip	163
350	80	18+4	4,0	2,7	HM	WZ	PW1.350080018.404	Multi-Rip	163
350	80	24+4	3,5	2,5	HM	WZ	PW1.350080024.400	Multi-Rip	163
350	80	24+6	3,5	2,5	HM	WZ	PW1.350080024.600	Multi-Rip	163
360	65	72	4,4	3,2	PCD H6	FZ/TR	DSA.360065072.006	Panel Sizing	173
360	65	72	4,4	3,2	PCD H8	FZ/TR	DSA.360065072.008	Panel Sizing	173
360	65	72	4,4	3,2	HM	FZ/ TR	P28.360065072.00W	Panel Sizing	168
360	65	72	4,4	3,2	HM	FZ/ TR	P30.360065072.PFW	Panel Sizing	170
370	30	72	4,4	3,2	HM	FZ/ TR	P28.370030072.01W	Panel Sizing	168
380	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.380030072.006	Panel Sizing	173
380	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.380030072.008	Panel Sizing	173
380	30	72	4,4	3,2	HM	FZ/ TR	P28.380030072.01W	Panel Sizing	168
380	30	72	4,4	3,2	HM	FZ/ TR	P30.380030072.PFW	Panel Sizing	170
380	60	72	4,8	3,5	PCD H6	FZ/TR	DSA.380060072.006	Panel Sizing	173
380	60	72	4,8	3,5	PCD H8	FZ/TR	DSA.380060072.008	Panel Sizing	173
380	60	72	4,4	3,2	PCD H6	FZ/TR	DSA.380060072.016	Panel Sizing	173
380	60	72	4,4	3,2	PCD H8	FZ/TR	DSA.380060072.018	Panel Sizing	173
380	60	72	4,8	3,5	HM	FZ/ TR	P28.380060072.00W	Panel Sizing	168
380	60	72	4,4	3,2	HM	FZ/ TR	P28.380060072.01W	Panel Sizing	168
380	60	72	4,4	3,2	HM	FZ/ TR	P30.380060072.PF1	Panel Sizing	170
380	60	72	4,8	3,5	HM	FZ/ TR	P30.380060072.PFW	Panel Sizing	170
380	65	72	4,4	3,2	PCD H6	FZ/TR	DSA.380065072.016	Panel Sizing	173
380	65	72	4,4	3,2	PCD H8	FZ/TR	DSA.380065072.018	Panel Sizing	173
380	65	72	4,4	3,2	HM	FZ/ TR	P28.380065072.01W	Panel Sizing	168
380	65	72	4,4	3,2	HM	FZ/ TR	P30.380065072.PFW	Panel Sizing	170

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
380	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.380080072.006	Panel Sizing	173
380	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.380080072.008	Panel Sizing	173
380	80	72	4,4	3,2	HM	FZ/ TR	P28.380080072.00W	Panel Sizing	168
380	80	72	4,4	3,2	HM	FZ/ TR	P30.380080072.PFW	Panel Sizing	170
400	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.400030072.006	Panel Sizing	173
400	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.400030072.008	Panel Sizing	173
400	30	48	3,5	2,5	HM	WZ	P01.400030048.00W	universal and cross-cutting	164
400	30	60	3,5	2,5	HM	WZ	P01.400030060.00W	universal and cross-cutting	164
400	30	96	3,5	2,5	HM	WZ	P01.400030096.00W	universal and cross-cutting	164
400	30	28	3,8	2,8	HM	FZ	P04.400030028.00W	cross-cutting	165
400	30	108	4,0	2,8	HM	WZ	P06.400030108.00A	Optimizing Saw	166
400	30	120	4,0	2,8	HM	WZ	P06.400030120.00A	Optimizing Saw	166
400	30	120	4,6	3,5	HM	WZ	P06.400030120.01A	Optimizing Saw	166
400	30	72	4,4	3,2	HM	FZ/ TR	P28.400030072.00W	Panel Sizing	168
400	30	72	4,4	3,2	HM	FZ/ TR	P28.400060072.01W	Panel Sizing	168
400	30	72	4,4	3,2	HM	FZ/ TR	P30.400030072.PFW	Panel Sizing	170
400	30	120	4,0	3,2	HM	FZ/TR	PA1.400030120.N00	non-ferrous & PVC profiles	191
400	30	120	4,0	3,2	HM	FZ/TR	PA1.400030120.P00	non-ferrous & PVC profiles	191
400	32	120	4,0	3,2	HM	FZ/TR	PA1.400032120.N00	non-ferrous & PVC profiles	191
400	32	120	4,0	3,2	HM	FZ/TR	PA1.400032120.P00	non-ferrous & PVC profiles	191
400	65	72	4,4	3,2	PCD H6	FZ/TR	DSA.400065072.006	Panel Sizing	173
400	65	72	4,4	3,2	PCD H8	FZ/TR	DSA.400065072.008	Panel Sizing	173
400	65	72	4,4	3,2	HM	FZ/ TR	P28.400065072.01W	Panel Sizing	168
400	65	72	4,4	3,2	HM	FZ/ TR	P30.400065072.PFW	Panel Sizing	170
400	70	18+6	4,2	2,8	HM	WZ	PW1.400070018.600	Multi-Rip	163
400	75	72	4,4	3,2	PCD H6	FZ/TR	DSA.400075072.006	Panel Sizing	173
400	75	72	4,4	3,2	PCD H8	FZ/TR	DSA.400075072.008	Panel Sizing	173
400	75	72	4,4	3,2	HM	FZ/ TR	P28.400075072.00W	Panel Sizing	168
400	75	72	4,4	3,2	HM	FZ/ TR	P30.400075072.PFW	Panel Sizing	170
400	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.400080072.026	Panel Sizing	173
400	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.400080072.028	Panel Sizing	173
400	80	72	4,4	3,2	HM	FZ/ TR	P28.400080072.00W	Panel Sizing	168
400	80	72	4,4	3,2	HM	FZ/ TR	P30.400080072.PFW	Panel Sizing	170
400	80	18+6	4,2	2,8	HM	WZ	PW1.400080018.600	Multi-Rip	163
420	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.420080072.006	Panel Sizing	173
420	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.420080072.008	Panel Sizing	173
420	80	72	4,4	3,2	HM	FZ/ TR	P28.420080072.00W	Panel Sizing	168
420	80	72	4,4	3,2	HM	FZ/ TR	P30.420080072.PFW	Panel Sizing	170
430	65	72	4,4	3,2	PCD H6	FZ/TR	DSA.430065072.006	Panel Sizing	173
430	65	72	4,4	3,2	PCD H8	FZ/TR	DSA.430065072.008	Panel Sizing	173

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
430	65	72	4,4	3,2	HM	FZ/ TR	P28.430065072.00W	Panel Sizing	168
430	65	72	4,4	3,2	HM	FZ/ TR	P30.430065072.PFW	Panel Sizing	170
430	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.430080072.006	Panel Sizing	173
430	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.430080072.008	Panel Sizing	173
430	80	72	4,4	3,2	HM	FZ/ TR	P28.430080072.00W	Panel Sizing	168
430	80	72	4,4	3,2	HM	FZ/ TR	P30.430080072.PFW	Panel Sizing	170
450	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.450030072.006	Panel Sizing	173
450	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.450030072.008	Panel Sizing	173
450	30	66	3,8	2,8	HM	WZ	P01.450030066.00W	universal and cross-cutting	164
450	30	32	4,0	3,0	HM	FZ	P04.450030032.00W	cross-cutting	165
450	30	138	4,8	3,5	HM	WZ	P06.450030138.02A	Optimizing Saw	166
450	30	72	4,4	3,2	HM	FZ/ TR	P28.450030072.00W	Panel Sizing	168
450	30	72	4,4	3,2	HM	FZ/ TR	P28.450075072.01W	Panel Sizing	168
450	30	72	4,4	3,2	HM	FZ/ TR	P30.450030072.PFW	Panel Sizing	170
450	30	128	4,0	3,2	HM	FZ/TR	PA1.450030128.N00	non-ferrous & PVC profiles	191
450	30	128	4,0	3,2	HM	FZ/TR	PA1.450030128.P00	non-ferrous & PVC profiles	191
450	32	128	4,0	3,2	HM	FZ/TR	PA1.450032128.N00	non-ferrous & PVC profiles	191
450	32	128	4,0	3,2	HM	FZ/TR	PA1.450032128.P00	non-ferrous & PVC profiles	191
450	60	72	4,8	3,5	PCD H6	FZ/TR	DSA.450060072.006	Panel Sizing	173
450	60	72	4,8	3,5	PCD H8	FZ/TR	DSA.450060072.008	Panel Sizing	173
450	60	72	4,8	3,5	HM	FZ/ TR	P28.450060072.00W	Panel Sizing	168
450	60	72	4,8	3,5	HM	FZ/ TR	P30.450060072.PFW	Panel Sizing	170
450	75	72	4,4	3,2	PCD H6	FZ/TR	DSA.450075072.006	Panel Sizing	173
450	75	72	4,4	3,2	PCD H8	FZ/TR	DSA.450075072.008	Panel Sizing	173
450	75	72	4,4	3,2	HM	FZ/ TR	P30.450075072.PFW	Panel Sizing	170
450	80	72	4,4	3,2	PCD H6	FZ/TR	DSA.450080072.046	Panel Sizing	173
450	80	72	4,4	3,2	PCD H8	FZ/TR	DSA.450080072.048	Panel Sizing	173
450	80	72	4,4	3,2	HM	FZ/ TR	P28.450080072.00W	Panel Sizing	168
450	80	72	4,8	3,5	HM	FZ/ TR	P28.450080072.01W	Panel Sizing	168
450	80	72	4,4	3,2	HM	FZ/ TR	P30.450080072.PFW	Panel Sizing	170
460	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.460030072.006	Panel Sizing	173
460	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.460030072.008	Panel Sizing	173
460	30	72	4,4	3,2	HM	FZ/ TR	P28.460030072.00W	Panel Sizing	168
460	30	72	4,4	3,2	HM	FZ/ TR	P30.460030072.PFW	Panel Sizing	170
460	75	72	4,4	3,2	HM	FZ/ TR	P28.460075072.00W	Panel Sizing	168
480	30	72	4,4	3,2	PCD H6	FZ/TR	DSA.480030072.006	Panel Sizing	173
480	30	72	4,4	3,2	PCD H8	FZ/TR	DSA.480030072.008	Panel Sizing	173
480	30	72	4,4	3,2	HM	FZ/ TR	P28.480030072.01W	Panel Sizing	168
480	30	72	4,4	3,2	HM	FZ/ TR	P30.480030072.PFW	Panel Sizing	170
480	60	72	4,8	3,5	HM	FZ/ TR	P28.480060072.00W	Panel Sizing	168

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D mm	F mm	Z mm	K mm	P mm	Type	Geometry	Article	Application	Page
500	30	72	4,0	2,8	HM	WZ	P01.500030072.00W	universal and cross-cutting	164
500	30	36	4,4	3,2	HM	FZ	P04.500030036.00W	cross-cutting	165
500	30	108	4,0	2,8	HM	WZ	P06.500030108.00A	Optimizing Saw	166
500	30	144	4,8	3,5	HM	WZ	P06.500030144.02A	Optimizing Saw	166
500	30	140	4,2	3,4	HM	FZ/TR	PA1.500030140.N00	non-ferrous & PVC profiles	191
500	30	140	4,2	3,4	HM	FZ/TR	PA1.500030140.P00	non-ferrous & PVC profiles	191
500	32	140	4,2	3,4	HM	FZ/TR	PA1.500032140.N00	non-ferrous & PVC profiles	191
500	35	108	4,0	2,8	HM	WZ	P06.500035108.00A	Optimizing Saw	166
500	35	120	4,4	3,2	HM	WZ	P06.500035120.00A	Optimizing Saw	166
500	35	120	4,4	3,2	HM	WZ	P06.500035120.02A	Optimizing Saw	166
500	35	144	4,8	3,5	HM	WZ	P06.500035144.01A	Optimizing Saw	166
520	30	72	4,8	3,5	HM	FZ/ TR	P28.520030072.01W	Panel Sizing	168
520	60	72	4,8	3,5	PCD H6	FZ/TR	DSA.520060072.006	Panel Sizing	173
520	60	72	4,8	3,5	PCD H8	FZ/TR	DSA.520060072.008	Panel Sizing	173
520	60	72	4,8	3,5	HM	FZ/ TR	P28.520060072.00W	Panel Sizing	168
520	60	72	4,8	3,5	HM	FZ/ TR	P30.520060072.PFW	Panel Sizing	170
520	70	72	4,8	3,5	PCD H6	FZ/TR	DSA.520070072.006	Panel Sizing	173
520	70	72	4,8	3,5	PCD H8	FZ/TR	DSA.520070072.008	Panel Sizing	173
520	70	72	4,8	3,5	HM	FZ/ TR	P30.520070072.PFW	Panel Sizing	170
530	80	72	4,8	3,5	PCD H6	FZ/TR	DSA.530080072.006	Panel Sizing	173
530	80	72	4,8	3,5	PCD H8	FZ/TR	DSA.530080072.008	Panel Sizing	173
530	80	72	4,8	3,5	HM	FZ/ TR	P28.530080072.00W	Panel Sizing	168
530	80	72	4,8	3,5	HM	FZ/ TR	P30.530080072.PFW	Panel Sizing	170
550	30	140	4,2	3,4	HM	FZ/TR	PA1.550030140.P00	non-ferrous & PVC profiles	191
550	30	168	4,2	3,4	HM	FZ/TR	PA1.550030168.P00	non-ferrous & PVC profiles	191
550	32	140	4,2	3,4	HM	FZ/TR	PA1.500032140.P00	non-ferrous & PVC profiles	191
550	32	140	4,2	3,4	HM	FZ/TR	PA1.550032140.P00	non-ferrous & PVC profiles	191
570	60	60	4,8	3,5	HM	FZ/ TR	P28.570060060.00W	Panel Sizing	168
575	60	60	5,8	4,0	HM	FZ/ TR	P28.575060060.00W	Panel Sizing	168
600	32	140	4,6	4,0	HM	FZ/TR	PA1.600032144.P00	non-ferrous & PVC profiles	191
600	35	132	4,5	3,5	HM	WZ	P06.600035132.01A	Optimizing Saw	166
600	40	140	4,6	4,0	HM	FZ/TR	PA1.600040140.P00	non-ferrous & PVC profiles	191
650	35	132	4,5	3,5	HM	WZ	P06.650035132.00A	Optimizing Saw	166

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DRILLING PROCESS



Chapter

Drill bits



BBXV series



p. 206

TBV2 series



p. 207

BBV5, BBV6 series



p. 208

BBX5, BBX6 series



p. 209

TBX2 series



p. 210

BBH3 series



p. 211

BBH5 series



p. 212

BBH4 series



p. 213

BBH6 series



p. 214

BBH7 series



p. 215

BBH8, BBH9 series



p. 216

BBH1, BBH2 series



p. 217

TBH1, TBH2 series



p. 218

TBH3, TBH5 series



p. 219

Countersinks BBC1, BBC2 series



p. 220

HBX1, HBX2 series



p. 221

HBH1 series



p. 222

HBH2 series



p. 223

DWA, DWB series



p. 224

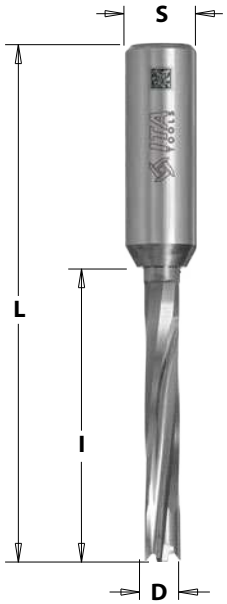
Adapters



p. 225

For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

BBXV



VHM **Z2** **V2** **RH** **LH**

Technical details:

- Premium quality super strength steel shank for improved resistance and durability
- Flute length in premium quality HWM
- 2 cutting edges [Z2] + 2 curved ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and adjustable screw length
- Recommended feed speed 1 ÷ 4m/minute – RPM 6000

Application:

Ideal for chipboard, MDF, HDF and laminates. No center-point or spurs means perfect bores in low-thickness panels. For use on boring machines equipped with adaptors and/or with chucks.

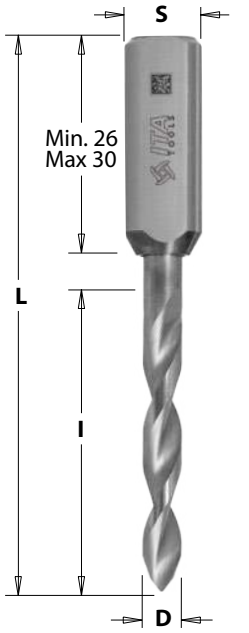
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	30	70	10x27	BBXV.050.030.070.02R	BBXV.050.030.070.02L
6	30	70	10x27	BBXV.060.030.070.02R	BBXV.060.030.070.02L
7	30	70	10x27	BBXV.070.030.070.02R	BBXV.070.030.070.02L
8	30	70	10x24	BBXV.080.030.070.02R	BBXV.080.030.070.02L
10	30	70	10x26	BBXV.100.030.070.02R	BBXV.100.030.070.02L

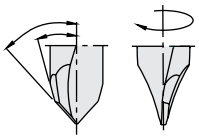
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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TBV2





VHM **Z2** **RH** **LH**

Technical details:

- Premium quality super-strength steel shank
- High quality HWM body
- 2 precision ground cutting edges [Z2] - double angle
- 2 spiral flutes
- Parallel shank with driving flat and adjustable screw length

Application:

For drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine centres equipped with adaptors and/or chucks.

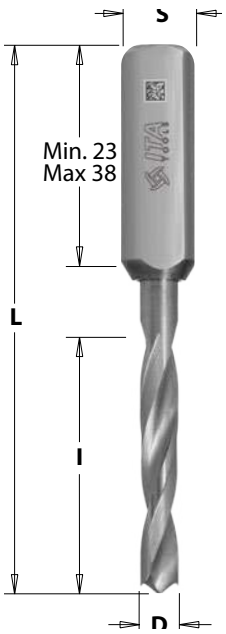
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
3	27	70	10x30	TBV2.030.027.070.02R	TBV2.030.027.070.02L
4	35	70	10x26	TBV2.040.035.070.01R	TBV2.040.035.070.01L
5	35	70	10x26	TBV2.050.035.070.01R	TBV2.050.035.070.01L
6	35	70	10x26	TBV2.060.035.070.01R	TBV2.060.035.070.01L
8	35	70	10x26	TBV2.080.035.070.01R	TBV2.080.035.070.01L
10	35	70	10x27	TBV2.100.035.070.01R	TBV2.100.035.070.01L

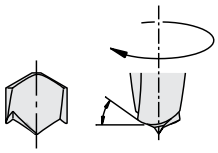
Spare parts:

	
BBS1.M5.08	BBS1.M5.11

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BBV5 | BBV6





VHM **Z2** **V2** **RH** **LH**

Technical details:

- Premium quality super-strength steel shank
- High quality HWM body
- Centre point
- 2 cutting edges [Z2]
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length

Application:

For drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or with chucks.

BBV5

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
2	12	57,5	10x27	BBV5.020.012.057.01R	BBV5.020.012.057.01L
3	18	57,5	10x25	BBV5.030.018.057.01R	BBV5.030.018.057.01L
4	20	57,5	10x25	BBV5.040.020.057.01R	BBV5.040.020.057.01L
5	22	57,5	10x23	BBV5.050.022.057.01R	BBV5.050.022.057.01L
6	22	57,5	10x25	BBV5.060.022.057.01R	BBV5.060.022.057.01L
8	22	57,5	10x25	BBV5.080.022.057.01R	BBV5.080.022.057.01L
10	22	57,5	10x25	BBV5.100.022.057.01R	BBV5.100.022.057.01L

BBV6

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
2	12	70	10x39	BBV6.020.012.070.03R	BBV6.020.012.070.03L
3	18	70	10x38	BBV6.030.018.070.03R	BBV6.030.018.070.03L
4	27	70	10x30	BBV6.040.027.070.02R	BBV6.040.027.070.02L
5	30	70	10x28	BBV6.050.030.070.02R	BBV6.050.030.070.02L
6	30	70	10x29	BBV6.060.030.070.02R	BBV6.060.030.070.02L
8	35	70	10x22	BBV6.080.035.070.01R	BBV6.080.035.070.01L
10	35	70	10x25	BBV6.100.035.070.01R	BBV6.100.035.070.01L

Spare parts:

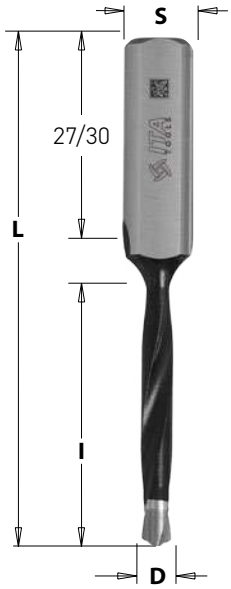
	
BBS1.M5.10	BBS1.M5.11

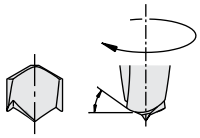
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BBX5 | BBX6

HM | Z2 | V2 | RH | LH





Technical details:

- Premium quality super-strength steel
- Orange or black P.T.F.E. coating
- High quality extra-fine micrograin carbide body
- 2 cutting edges [Z2] - double angle
- 2 spiral flutes
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length

Application:

For drilling blind holes in solid wood, wood derivates and laminates.
For use on boring machines equipped with adaptors and/or chucks.

BBX5

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	27	57,5	10x27	BBX5.050.027.057.01R	BBX5.050.027.057.01L
6	27	57,5	10x27	BBX5.060.027.057.01R	BBX5.060.027.057.01L
7	27	57,5	10x27	BBX5.070.027.057.01R	BBX5.070.027.057.01L
8	27	57,5	10x27	BBX5.080.027.057.01R	BBX5.080.027.057.01L
9	27	57,5	10x27	BBX5.090.027.057.01R	BBX5.090.027.057.01L
10	27	57,5	10x27	BBX5.100.027.057.01R	BBX5.100.027.057.01L

Spare parts:

	
BBS1.M5.10	BBS1.M5.11

BBX6

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	35	70	10x30	BBX6.050.035.070.02R	BBX6.050.035.070.02L
6	35	70	10x30	BBX6.060.035.070.02R	BBX6.060.035.070.02L
7	35	70	10x30	BBX6.070.035.070.02R	BBX6.070.035.070.02L
8	35	70	10x30	BBX6.080.035.070.02R	BBX6.080.035.070.02L
9	35	70	10x30	BBX6.090.035.070.02R	BBX6.090.035.070.02L
10	35	70	10x30	BBX6.100.035.070.02R	BBX6.100.035.070.02L

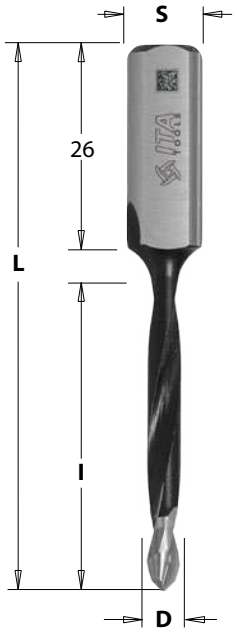
Spare parts:

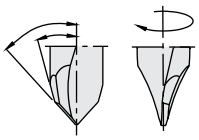
	
BBS1.M5.10	BBS1.M5.11

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TBX2

HM **Z2** **RH** **LH**





Technical details:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- Double angle
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

For drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

TBX2

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	35	70	10x26	TBX2.050.035.070.01R	TBX2.050.035.070.01L
6	35	70	10x26	TBX2.060.035.070.01R	TBX2.060.035.070.01L
7	35	70	10x26	TBX2.070.035.070.01R	TBX2.070.035.070.01L
8	35	70	10x26	TBX2.080.035.070.01R	TBX2.080.035.070.01L
10	35	70	10x26	TBX2.100.035.070.01R	TBX2.100.035.070.01L

Spare parts:

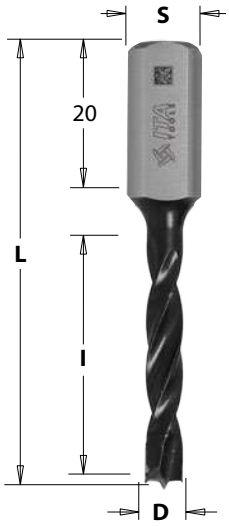
	
BBS1.M5.10	BBS1.M5.11

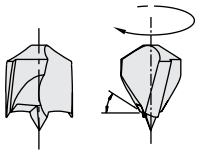
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BBH3

HM **Z2** **V2** **RH** **LH**





Techical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

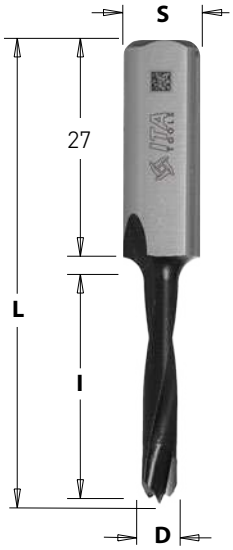
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
4	27	57,5	10x20	BBH3.040.026.057.00R	BBH3.040.026.057.00L
5	27	57,5	10x20	BBH3.050.030.057.00R	BBH3.050.030.057.00L
6	27	57,5	10x20	BBH3.060.030.057.00R	BBH3.060.030.057.00L
6,4	27	57,5	10x20	BBH3.064.030.057.00R	BBH3.064.030.057.00L
7	27	57,5	10x20	BBH3.070.030.057.00R	BBH3.070.030.057.00L
8	27	57,5	10x20	BBH3.080.030.057.00R	BBH3.080.030.057.00L
9	27	57,5	10x20	BBH3.090.030.057.00R	BBH3.090.030.057.00L
9,5	27	57,5	10x20	BBH3.095.030.057.00R	BBH3.095.030.057.00L
10	27	57,5	10x20	BBH3.100.030.057.00R	BBH3.100.030.057.00L

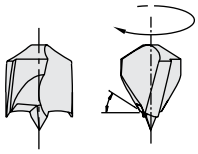
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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BBH5





HM **Z2** **V2** **RH** **LH**

Techical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
4	27	57,5	10x27	BBH5.040.027.057.01R	BBH5.040.027.057.01L
4,5	27	57,5	10x27	BBH5.045.027.057.01R	BBH5.045.027.057.01L
4,7	27	57,5	10x27	BBH5.047.027.057.01R	BBH5.047.027.057.01L
5	27	57,5	10x27	BBH5.050.027.057.01R	BBH5.050.027.057.01L
5,1	27	57,5	10x27	BBH5.051.027.057.01R	BBH5.051.027.057.01L
5,2	27	57,5	10x27	BBH5.052.027.057.01R	BBH5.052.027.057.01L
5,5	27	57,5	10x27	BBH5.055.027.057.01R	BBH5.055.027.057.01L
6	27	57,5	10x27	BBH5.060.027.057.01R	BBH5.060.027.057.01L
6,4	27	57,5	10x27	BBH5.064.027.057.01R	BBH5.064.027.057.01L
6,5	27	57,5	10x27	BBH5.065.027.057.01R	BBH5.065.027.057.01L
7	27	57,5	10x27	BBH5.070.027.057.01R	BBH5.070.027.057.01L
8	27	57,5	10x27	BBH5.080.027.057.01R	BBH5.080.027.057.01L
8,2	27	57,5	10x27	BBH5.082.027.057.01R	BBH5.082.027.057.01L
9	27	57,5	10x27	BBH5.090.027.057.01R	BBH5.090.027.057.01L
9,5	27	57,5	10x27	BBH5.095.027.057.01R	BBH5.095.027.057.01L
10	27	57,5	10x27	BBH5.100.027.057.01R	BBH5.100.027.057.01L
11	27	57,5	10x27	BBH5.110.027.057.01R	BBH5.110.027.057.01L
12	27	57,5	10x27	BBH5.120.027.057.01R	BBH5.120.027.057.01L
12,7	27	57,5	10x27	BBH5.127.027.057.01R	BBH5.127.027.057.01L
13	27	57,5	10x27	BBH5.130.027.057.01R	BBH5.130.027.057.01L
14	27	57,5	10x27	BBH5.140.027.057.01R	BBH5.140.027.057.01L
15	27	57,5	10x27	BBH5.150.027.057.01R	BBH5.150.027.057.01L
16	27	57,5	10x27	BBH5.160.027.057.01R	BBH5.160.027.057.01L

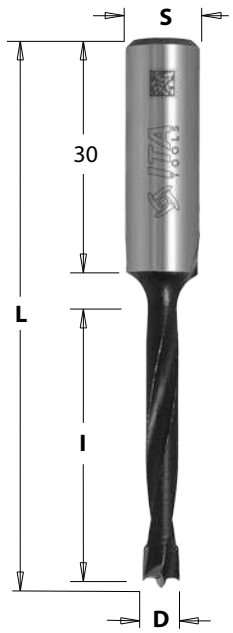
Spare parts:

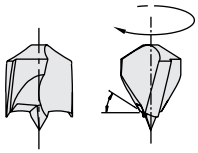
	
BBS1.M5.10	BBS1.M5.11

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BBH4





HM | Z2 | V2 | RH | LH

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

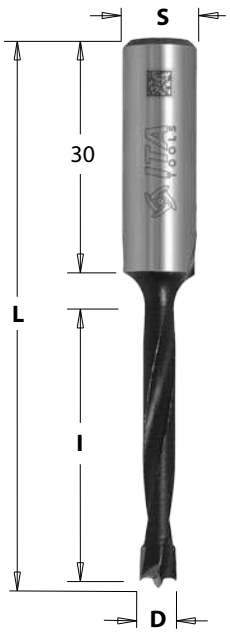
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
4	43	70	10x20	BBH4.040.043.070.00R	BBH4.040.043.070.00L
5	43	70	10x20	BBH4.050.043.070.00R	BBH4.050.043.070.00L
6	43	70	10x20	BBH4.060.043.070.00R	BBH4.060.043.070.00L
6,4	43	70	10x20	BBH4.064.043.070.00R	BBH4.064.043.070.00L
7	43	70	10x20	BBH4.070.043.070.00R	BBH4.070.043.070.00L
7,5	43	70	10x20	BBH4.075.043.070.00R	BBH4.075.043.070.00L
8	43	70	10x20	BBH4.080.043.070.00R	BBH4.080.043.070.00L
9	43	70	10x20	BBH4.090.043.070.00R	BBH4.090.043.070.00L
9,5	43	70	10x20	BBH4.095.043.070.00R	BBH4.095.043.070.00L
10	43	70	10x20	BBH4.100.043.070.00R	BBH4.100.043.070.00L
11	43	70	10x20	BBH4.110.043.070.00R	BBH4.110.043.070.00L
12	43	70	10x20	BBH4.120.043.070.00R	BBH4.120.043.070.00L
12,7	43	70	10x20	BBH4.127.043.070.00R	BBH4.127.043.070.00L
13	43	70	10x20	BBH4.130.043.070.00R	BBH4.130.043.070.00L
14	43	70	10x20	BBH4.140.043.070.00R	BBH4.140.043.070.00L
15	43	70	10x20	BBH4.150.043.070.00R	BBH4.150.043.070.00L
16	43	70	10x20	BBH4.160.043.070.00R	BBH4.160.043.070.00L

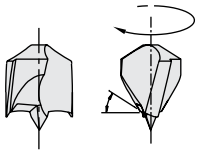
Spare parts:

	
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BBH6





HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
4	35	70	10x30	BBH6.040.035.070.02R	BBH6.040.035.070.02L
4,5	35	70	10x30	BBH6.045.035.070.02R	BBH6.045.035.070.02L
4,7	35	70	10x30	BBH6.047.035.070.02R	BBH6.047.035.070.02L
5	35	70	10x30	BBH6.050.035.070.02R	BBH6.050.035.070.02L
5,1	35	70	10x30	BBH6.051.035.070.02R	BBH6.051.035.070.02L
5,2	35	70	10x30	BBH6.052.035.070.02R	BBH6.052.035.070.02L
5,5	35	70	10x30	BBH6.055.035.070.02R	BBH6.055.035.070.02L
6	35	70	10x30	BBH6.060.035.070.02R	BBH6.060.035.070.02L
6,4	35	70	10x30	BBH6.064.035.070.02R	BBH6.064.035.070.02L
6,5	35	70	10x30	BBH6.065.035.070.02R	BBH6.065.035.070.02L
7	35	70	10x30	BBH6.070.035.070.02R	BBH6.070.035.070.02L
8	35	70	10x30	BBH6.080.035.070.02R	BBH6.080.035.070.02L
8,2	35	70	10x30	BBH6.082.035.070.02R	BBH6.082.035.070.02L
9	35	70	10x30	BBH6.090.035.070.02R	BBH6.090.035.070.02L
9,5	35	70	10x30	BBH6.095.035.070.02R	BBH6.095.035.070.02L
10	35	70	10x30	BBH6.100.035.070.02R	BBH6.100.035.070.02L
11	35	70	10x30	BBH6.110.035.070.02R	BBH6.110.035.070.02L
11,1	35	70	10x30	BBH6.111.035.070.02R	BBH6.111.035.070.02L
12	35	70	10x30	BBH6.120.035.070.02R	BBH6.120.035.070.02L
12,7	35	70	10x30	BBH6.127.035.070.02R	BBH6.127.035.070.02L
13	35	70	10x30	BBH6.130.035.070.02R	BBH6.130.035.070.02L
14	35	70	10x30	BBH6.140.035.070.02R	BBH6.140.035.070.02L
15	35	70	10x30	BBH6.150.035.070.02R	BBH6.150.035.070.02L
16	35	70	10x30	BBH6.160.035.070.02R	BBH6.160.035.070.02L

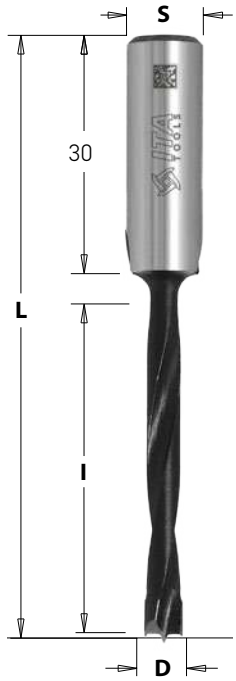
Spare parts:

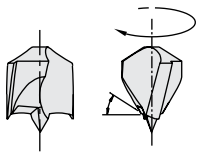
	
BBS1.M5.10	BBS1.M5.11

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BBH7





HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Applicaton:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	44	77	10x30	BBH7.050.044.077.02R	BBH7.050.044.077.02L
6	44	77	10x30	BBH7.060.044.077.02R	BBH7.060.044.077.02L
7	44	77	10x30	BBH7.070.044.077.02R	BBH7.070.044.077.02L
8	44	77	10x30	BBH7.080.044.077.02R	BBH7.080.044.077.02L
10	44	77	10x30	BBH7.100.044.077.02R	BBH7.100.044.077.02L
12	44	77	10x30	BBH7.120.044.077.02R	BBH7.120.044.077.02L

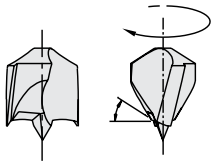
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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BBH8 | BBH9





HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

BBH8

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	65	105	10x30	BBH8.050.065.105.12R	BBH8.050.065.105.12L
6	65	105	10x30	BBH8.060.065.105.12R	BBH8.060.065.105.12L
7	65	105	10x30	BBH8.070.065.105.12R	BBH8.070.065.105.12L
8	65	105	10x30	BBH8.080.065.105.12R	BBH8.080.065.105.12L
10	65	105	10x30	BBH8.100.065.105.12R	BBH8.100.065.105.12L
12	65	105	10x30	BBH8.120.065.105.12R	BBH8.120.065.105.12L

BBH9

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	50	85	10x27	BBH9.050.050.085.11R	BBH9.050.050.085.11L
6	50	85	10x27	BBH9.060.050.085.11R	BBH9.060.050.085.11L
7	50	85	10x27	BBH9.070.050.085.11R	BBH9.070.050.085.11L
8	50	85	10x27	BBH9.080.050.085.11R	BBH9.080.050.085.11L
10	50	85	10x27	BBH9.100.050.085.11R	BBH9.100.050.085.11L
12	50	85	10x27	BBH9.120.050.085.11R	BBH9.120.050.085.11L

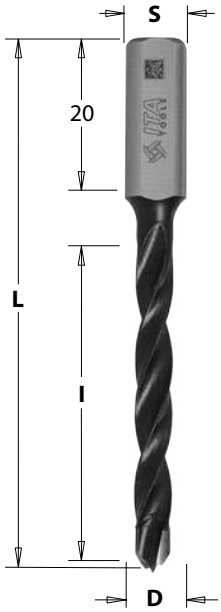
Spare parts:

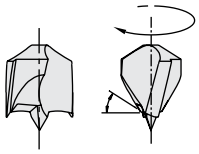
	
BBS1.M5.10	BBS1.M5.11

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BBH1 | BBH2





HM | Z2 | V2 | RH | LH

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

BBH1

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	30	55,5	8x20	BBH1.050.030.055.14R	BBH1.050.030.055.14L
5,5	30	55,5	8x20	BBH1.055.030.055.14R	BBH1.055.030.055.14L
6	30	55,5	8x20	BBH1.060.030.055.14R	BBH1.060.030.055.14L
6,4	30	55,5	8x20	BBH1.064.030.055.14R	BBH1.064.030.055.14L
7	30	55,5	8x20	BBH1.070.030.055.14R	BBH1.070.030.055.14L
8	30	55,5	8x20	BBH1.080.030.055.14R	BBH1.080.030.055.14L
9	30	55,5	8x20	BBH1.090.030.055.14R	BBH1.090.030.055.14L
10	30	55,5	8x20	BBH1.100.030.055.14R	BBH1.100.030.055.14L
12	30	55,5	8x20	BBH1.120.030.055.14R	BBH1.120.030.055.14L

BBH2

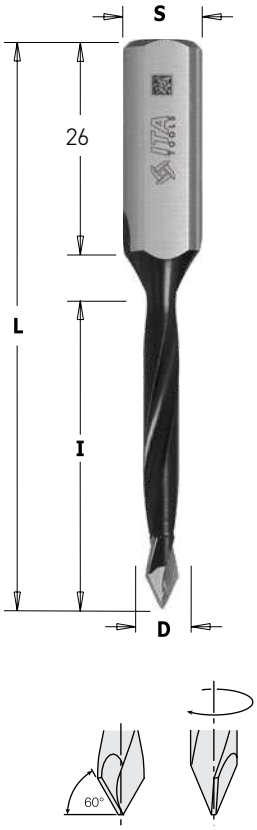
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	40	67	8x20	BBH2.050.040.067.14R	BBH2.050.040.067.14L
5,5	40	67	8x20	BBH2.055.040.067.14R	BBH2.055.040.067.14L
6	40	67	8x20	BBH2.060.040.067.14R	BBH2.060.040.067.14L
6,4	40	67	8x20	BBH2.064.040.067.14R	BBH2.064.040.067.14L
7	40	67	8x20	BBH2.070.040.067.14R	BBH2.070.040.067.14L
8	40	67	8x20	BBH2.080.040.067.14R	BBH2.080.040.067.14L
9	40	67	8x20	BBH2.090.040.067.14R	BBH2.090.040.067.14L
10	40	67	8x20	BBH2.100.040.067.14R	BBH2.100.040.067.14L
12	40	67	8x20	BBH2.120.040.067.14R	BBH2.120.040.067.14L

Spare parts:

	
BBS1.M5.10	BBS1.M5.11

®Brand names mentioned in ITA TOOLS products are the property of their respective owners

TBH1 | TBH2



HM **Z2** **RH** **LH**

Technical details:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

TBH1

for panels with maximum **20 mm** in thickness

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	27	57,5	10x26	TBH1.050.027.057.01R	TBH1.050.027.057.01L
6	27	57,5	10x26	TBH1.060.027.057.01R	TBH1.060.027.057.01L
8	27	57,5	10x26	TBH1.080.027.057.01R	TBH1.080.027.057.01L
10	27	57,5	10x26	TBH1.100.027.057.01R	TBH1.100.027.057.01L

TBH2

for panels with maximum **25-30 mm** in thickness

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
4	30	70	10x26	TBH2.040.030.070.01R	TBH2.040.030.070.01L
4,7	35	70	10x26	TBH2.047.030.070.01R	TBH2.047.030.070.01L
5	35	70	10x26	TBH2.050.030.070.01R	TBH2.050.030.070.01L
5,5	35	70	10x26	TBH2.055.030.070.01R	TBH2.055.030.070.01L
6	35	70	10x26	TBH2.060.030.070.01R	TBH2.060.030.070.01L
6,4	35	70	10x26	TBH2.064.030.070.01R	TBH2.064.030.070.01L
7	35	70	10x26	TBH2.070.030.070.01R	TBH2.070.030.070.01L
8	35	70	10x26	TBH2.080.030.070.01R	TBH2.080.030.070.01L
9	35	70	10x26	TBH2.090.030.070.01R	TBH2.090.030.070.01L
9,5	35	70	10x26	TBH2.095.030.070.01R	TBH2.095.030.070.01L
10	35	70	10x26	TBH2.100.030.070.01R	TBH2.100.030.070.01L
12	35	70	10x26	TBH2.120.030.070.01R	TBH2.120.030.070.01L
12,7	35	70	10x26	TBH2.127.030.070.01R	TBH2.127.030.070.01L

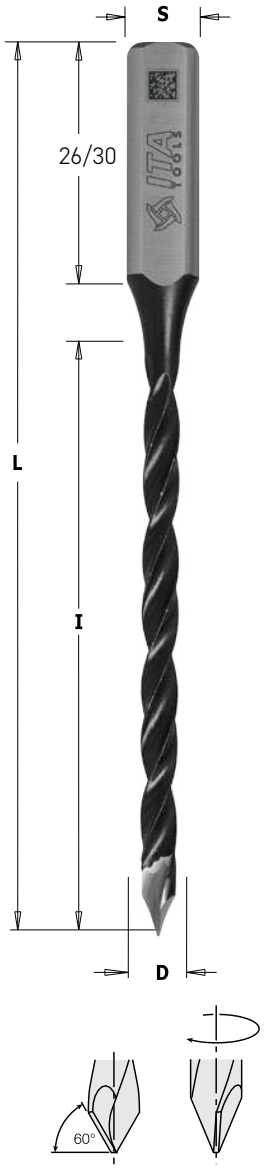
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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For more tool dimensions, log in to our B2B System **b2b-itatools.pl**

TBH3 | TBH5



HM **Z2** **RH** **LH**

Technical details:

- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 precision ground cutting edges [Z2]
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

TBH3

for panels with maximum **40 mm** in thickness

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	44	77	10x26	TBH3.050.044.077.01R	TBH3.050.044.077.01L
6	44	77	10x26	TBH3.060.044.077.01R	TBH3.060.044.077.01L
8	44	77	10x26	TBH3.080.044.077.01R	TBH3.080.044.077.01L
10	44	77	10x26	TBH3.100.044.077.01R	TBH3.100.044.077.01L
12	44	77	10x26	TBH3.120.044.077.01R	TBH3.120.044.077.01L

TBH5

for panels with maximum **60-65 mm** in thickness

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	70	115	10x30	TBH5.050.070.115.12R	TBH5.050.070.115.12L
6	70	115	10x30	TBH5.060.070.115.12R	TBH5.060.070.115.12L
8	70	115	10x30	TBH5.080.070.115.12R	TBH5.080.070.115.12L
10	70	115	10x30	TBH5.100.070.115.12R	TBH5.100.070.115.12L

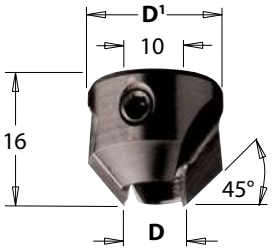
Spare parts:

BBS1.M5.10	BBS1.M5.11

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BBC1

Direct clamp on the shank of the drills



HM **Z2** **RH** **LH**

Technical details:

- Super-strength steel
- 2 precision ground carbide tipped cutting edges [Z2].

Application:

Used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

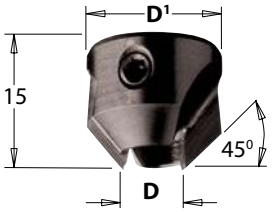
D mm	D¹ mm	ARTICLE RH	ARTICLE LH
5 - 10	20	BBC1.050.20.01R	BBC1.050.20.01L
11 - 12	22	BBC1.110.20.01R	BBC1.110.20.01L

Spare parts:

BBS1.M5.05	991.062.00

BBC2

Countersinks for 4 Flutes Dowel Drills



D mm	D¹ mm	ARTICLE RH	ARTICLE LH
3	16	BBC2.030.016.01R	BBC2.030.016.01L
3,5	16	BBC2.035.016.01R	BBC2.035.016.01L
4	16	BBC2.040.016.01R	BBC2.040.016.01L
5	16	BBC2.050.016.01R	BBC2.050.016.01L
6	16	BBC2.060.016.01R	BBC2.060.016.01L
7	16	BBC2.070.016.01R	BBC2.070.016.01L
8	18	BBC2.080.016.01R	BBC2.080.016.01L
9	18	BBC2.090.016.01R	BBC2.090.016.01L
10	20	BBC2.100.016.01R	BBC2.100.016.01L
12	20	BBC2.120.016.01R	BBC2.120.016.01L

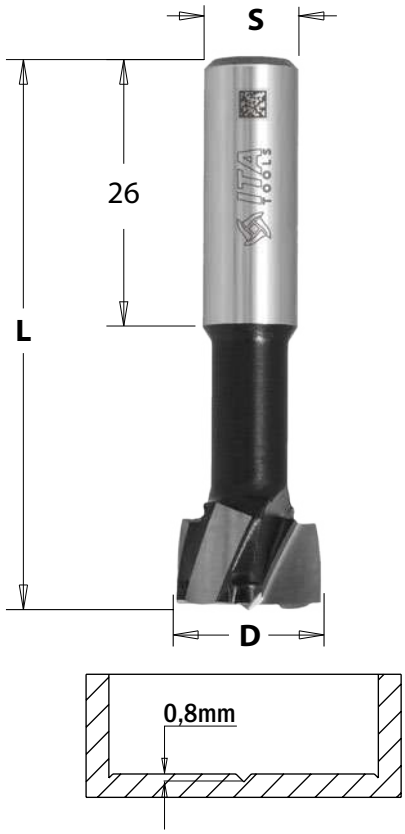
Spare parts:

990.006.00	991.062.00

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HBX1 | HBX2



HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw

Application:

Ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and cleancut blind holes in solid wood, wood composites, plastic and laminated materials.

HBX1

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
15	57,5	10x26	HBX1.150.057.1R	HBX1.150.057.1L
18	57,5	10x26	HBX1.180.057.1R	HBX1.180.057.1L
20	57,5	10x26	HBX1.200.057.1R	HBX1.200.057.1L
25	57,5	10x26	HBX1.250.057.1R	HBX1.250.057.1L
26	57,5	10x26	HBX1.260.057.1R	HBX1.260.057.1L
35	57,5	10x26	HBX1.350.057.1R	HBX1.350.057.1L

HBX2

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
15	70	10x26	HBX2.150.070.1R	HBX2.150.070.1L
18	70	10x26	HBX2.180.070.1R	HBX2.180.070.1L
20	70	10x26	HBX2.200.070.1R	HBX2.200.070.1L
25	70	10x26	HBX2.250.070.1R	HBX2.250.070.1L
26	70	10x26	HBX2.260.070.1R	HBX2.260.070.1L
35	70	10x26	HBX2.350.070.1R	HBX2.350.070.1L

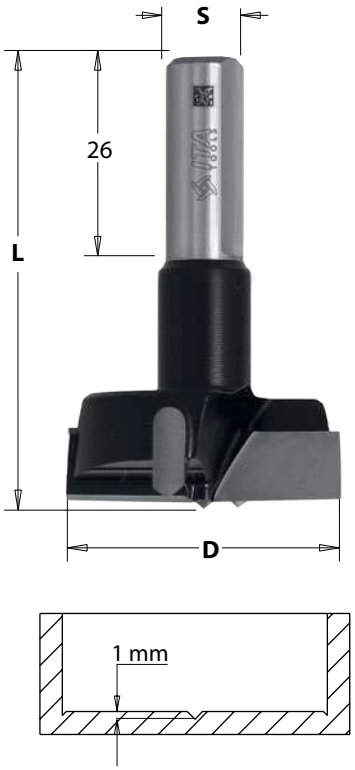
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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HBH1

HM **Z2** **V2** **RH** **LH**



Technical details:

- Super-strength steel
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw

Application:

Ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
14	57,5	10x26	HBH1.140.057.1R	HBH1.140.057.1L
15	57,5	10x26	HBH1.150.057.1R	HBH1.150.057.1L
16	57,5	10x26	HBH1.160.057.1R	HBH1.160.057.1L
17	57,5	10x26	HBH1.170.057.1R	HBH1.170.057.1L
18	57,5	10x26	HBH1.180.057.1R	HBH1.180.057.1L
19	57,5	10x26	HBH1.190.057.1R	HBH1.190.057.1L
20	57,5	10x26	HBH1.200.057.1R	HBH1.200.057.1L
22	57,5	10x26	HBH1.220.057.1R	HBH1.220.057.1L
24	57,5	10x26	HBH1.240.057.1R	HBH1.240.057.1L
25	57,5	10x26	HBH1.250.057.1R	HBH1.250.057.1L
26	57,5	10x26	HBH1.260.057.1R	HBH1.260.057.1L
28	57,5	10x26	HBH1.280.057.1R	HBH1.280.057.1L
30	57,5	10x26	HBH1.300.057.1R	HBH1.300.057.1L
32	57,5	10x26	HBH1.320.057.1R	HBH1.320.057.1L
34	57,5	10x26	HBH1.340.057.1R	HBH1.340.057.1L
35	57,5	10x26	HBH1.350.057.1R	HBH1.350.057.1L
38	57,5	10x26	HBH1.380.057.1R	HBH1.380.057.1L
40	57,5	10x26	HBH1.400.057.1R	HBH1.400.057.1L
42	57,5	10x26	HBH1.420.057.1R	HBH1.420.057.1L
45	57,5	10x26	HBH1.450.057.1R	HBH1.450.057.1L
50	57,5	10x26	HBH1.500.057.1R	HBH1.500.057.1L
55	57,5	10x26	HBH1.550.057.1R	HBH1.550.057.1L
60	57,5	10x26	HBH1.600.057.1R	HBH1.600.057.1L

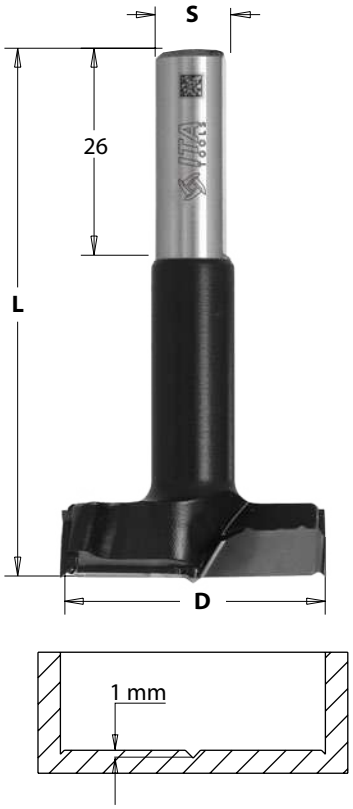
Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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HBH2



HM | Z2 | V2 | RH | LH

Technical details:

- Super-strength steel
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw

Application:

Ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
15	70	10x26	HBH2.150.070.1R	HBH2.150.070.1L
16	70	10x26	HBH2.160.070.1R	HBH2.160.070.1L
18	70	10x26	HBH2.180.070.1R	HBH2.180.070.1L
20	70	10x26	HBH2.200.070.1R	HBH2.200.070.1L
22	70	10x26	HBH2.220.070.1R	HBH2.220.070.1L
25	70	10x26	HBH2.250.070.1R	HBH2.250.070.1L
26	70	10x26	HBH2.260.070.1R	HBH2.260.070.1L
30	70	10x26	HBH2.300.070.1R	HBH2.300.070.1L
35	70	10x26	HBH2.350.070.1R	HBH2.350.070.1L
40	70	10x26	HBH2.400.070.1R	HBH2.400.070.1L
45	70	10x26	HBH2.450.070.1R	HBH2.450.070.1L
50	70	10x26	HBH2.500.070.1R	HBH2.500.070.1L
55	70	10x26	HBH2.550.070.1R	HBH2.550.070.1L
60	70	10x26	HBH2.600.070.1R	HBH2.600.070.1L

Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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DWA | DWB



Z2 RH LH

Technical details:

- Body made of durable steel
- Diamond blades with a precisely centered central point
- 2 PCD cutting edges (Z2)
- 2 PCD scoring blades (V2)
- Cylindrical shank with milling for easier assembly in the holder

Application:

Perfect for drilling hinge holes on multi-spindles drilling machines with suitable quick couplings. For making sockets in hardwood, wood-based materials, plastic and laminated materials. Thanks to the use of PCD blades, the service life of these drill bits is several dozen times greater than conventional drill bits with HM blades.

Note: Other dimensions on request.

DWA

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
12	57,5	10	DWA.012RH	DWA.012LH
14	57,5	10	DWA.014RH	DWA.014LH
15	57,5	10	DWA.015RH	DWA.015LH
20	57,5	10	DWA.020RH	DWA.020LH
25	57,5	10	DWA.025RH	DWA.025LH
26	57,5	10	DWA.026RH	DWA.026LH
30	57,5	10	DWA.030RH	DWA.030LH
35	57,5	10	DWA.035RH	DWA.035LH
40	57,5	10	DWA.040RH	DWA.040LH

DWB

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
12	70	10	DWB.012RH	DWB.012LH
14	70	10	DWB.014RH	DWB.014LH
15	70	10	DWB.015RH	DWB.015LH
20	70	10	DWB.020RH	DWB.020LH
25	70	10	DWB.025RH	DWB.025LH
26	70	10	DWB.026RH	DWB.026LH
30	70	10	DWB.030RH	DWB.030LH
35	70	10	DWB.035RH	DWB.035LH
40	70	10	DWB.040RH	DWB.040LH

Spare parts:

	
BBS1.M5.10	BBS1.M5.11

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WS1.018.012.042.001



RH
LH

Technical details:

For use on the machines: VITAP®

D mm	D1 mm	ARTICLE
10	18	WS1.018.012.042.001

Spare parts:

BBS1.M5.04	991.062.00

WS1.020.010.043.001



RH
LH

Technical details:

For use on the machines: MORBIDELLI®

D mm	D1 mm	ARTICLE
10	19,25	WS1.020.010.043.001

Spare parts:

BBS1.M5.04	991.062.00

WS1.020.014.040.001



RH
LH

Technical details:

For use on the machines: Masterwood®, Felder®, SCM®

D mm	D1 mm	ARTICLE
10	19,4	WS1.020.014.040.001

Spare parts:

BBS1.M6.05	991.067.00

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WS1.020.017.046.001





RH
LH

Technical details:

For use on the machines: WEEKE®

D mm	D1 mm	ARTICLE
10	20	WS1.020.017.046.001

Spare parts:

	
BBS1.M6.05	991.067.00

INFO	ARTICLE
Retaining screw for WEEKE®	BBS1.M5.11

WS1.020.015.037.001



RH **LH**

Technical details:

For use on the machines: BIESSE®

D mm	D1 mm	ARTICLE RH	ARTICLE LH
10	20	WS1.020.015.037.001	WS1.020.015.037.002

Spare parts:

	
BBS1.M6.06	991.067.00

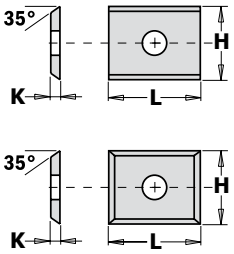
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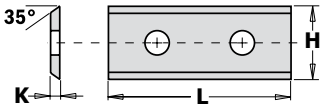
STRAIGHT AND SYSTEM KNIVES



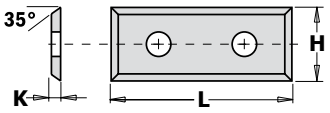
Reversible HM Knives



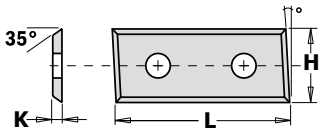
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
7,5	12	1,5	35°	75122	375122		
7,65	12	1,5	35°	76122			
9,6	12	1,5	35°	96122	396122	496122	
15	12	1,5	35°	15122	315122	415122	
19,5	12	1,5	4/35°	19122			
20	12	1,5	35°	20122	320122	420122	220122



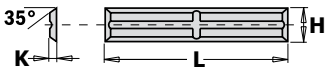
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
24,7	12	1,5	35°	125122			
30	12	1,5	35°	30122	330122	430122	230122
30	12	1,5	45°		630122		
40	12	1,5	35°	40122	340122	440122	240122
50	12	1,5	35°	50122	350122	450122	250122
60	12	1,5	35°	60122	360122	460122	



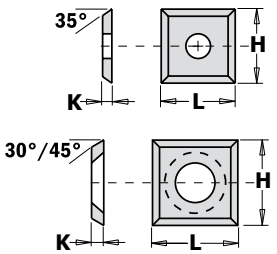
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
29,5	9	1,5	35°	3094	33094		
29,5	12	1,5	35°	30124	330124		
39,5	9	1,5	35°	4094			
49,5	9	1,5	35°	5094	35094		
49,5	12	1,5	35°	50124	350124	450124	250124



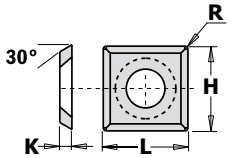
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
28,3	12	1,5	35°	283127			
48,3	12	1,5	35°	483127			



L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
20	4,1	1,1	35°	220414	520414		
30	5,5	1,1	35°	230554	530554		
50	5,5	1,1	35°	250554	550554		



L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
12	12	1,5	35°	12124	312124	412124	
13,6	13,6	2	30°	136204			
14	14	1,2	30°	14124			
14	14	2	30°	814204		414204	
14	14	2	45°		614204		

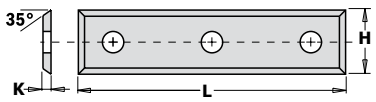


L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
14	14	2	R/30°	14244			

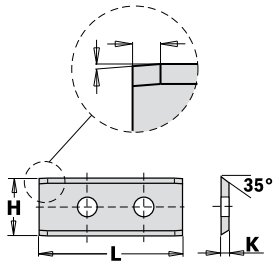
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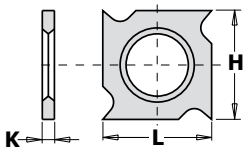
Reversible HM Knives



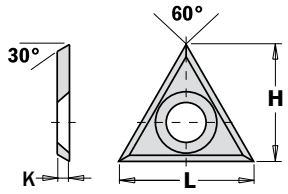
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
50	9	1,5	35°	5093			
50	12	1,7	35°	50123	150123	450123	



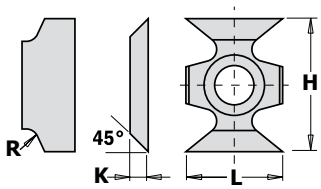
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
20	12	1,5	35°	20129			
30	12	1,5	35°	30129			
50	12	1,5	35°	50129			



L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
18	18	1,95		181954			
18	18	2,45		182454			



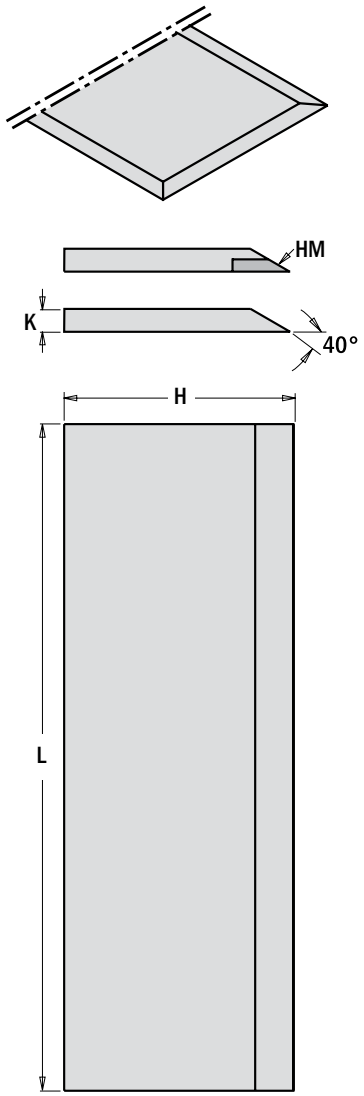
L mm	H mm	K mm	α	HC05	MG06	SMG02	UMG04
22	19	2	30°		220201		



L mm	H mm	K mm	R mm	α	HC05	MG06	SMG02	UMG04
16	22	5	1,5		162215			
16	22	5	2		162220			
16	22	5	3		162230			
16	22	5		45°	162245			

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HSS-HM

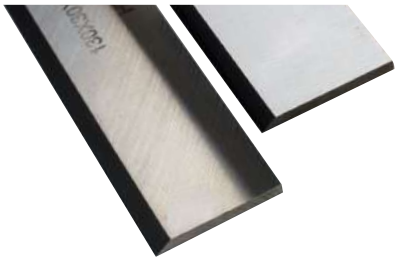


Material	HSS	HM
Soft wood, dry	★	
Soft wood, wet	☆	
Hard wood, dry	★	★
Hard wood, wet	★	☆
Chipboard		☆
MDF		☆
Plywood	☆	★

★ Excellent ☆ Good

HSS **HM**

L mm	H mm	K mm	ARTICLE HSS	ARTICLE HM
80	30	3	HS1.080.303	HM1.080.303
100	30	3	HS1.100.303	HM1.100.303
120	30	3	HS1.120.303	HM1.120.303
130	30	3	HS1.130.303	HM1.130.303
140	30	3	HS1.140.303	HM1.140.303
150	30	3	HS1.150.303	HM1.150.303
160	30	3	HS1.160.303	HM1.160.303
180	30	3	HS1.180.303	HM1.180.303
190	30	3	HS1.190.303	HM1.190.303
200	30	3	HS1.200.303	HM1.200.303
210	30	3	HS1.210.303	HM1.210.303
230	30	3	HS1.230.303	HM1.230.303
240	30	3	HS1.240.303	HM1.240.303
250	30	3	HS1.250.303	HM1.250.303
260	30	3	HS1.260.303	HM1.260.303
300	30	3	HS1.300.303	HM1.300.303
310	30	3	HS1.310.303	HM1.310.303
350	30	3	HS1.350.303	HM1.350.303
400	30	3	HS1.400.303	HM1.400.303
410	30	3	HS1.410.303	HM1.410.303
430	30	3	HS1.430.303	HM1.430.303
450	30	3	HS1.450.303	HM1.450.303
500	30	3	HS1.500.303	HM1.500.303
510	30	3	HS1.510.303	HM1.510.303
510	35	3	HS1.510.353	HM1.510.353
520	30	3	HS1.520.303	HM1.520.303
530	30	3	HS1.530.303	HM1.530.303
600	30	3	HS1.600.303	HM1.600.303
610	30	3	HS1.610.303	HM1.610.303
630	30	3	HS1.630.303	HM1.630.303
640	30	3	HS1.640.303	HM1.640.303
710	30	3	HS1.710.303	HM1.710.303
810	30	3	HS1.810.303	HM1.810.303
1050	30	3	HS1.1050.303	HM1.1050.303



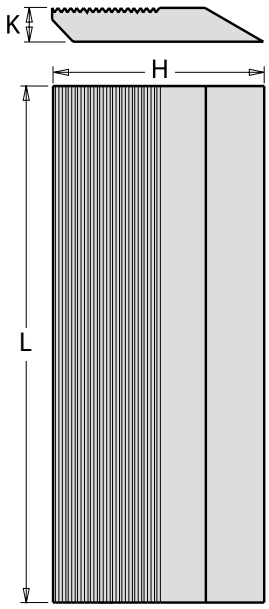
Note:

Other dimensions are available on request. The mirror finish of the cutting edges allows for excellent cut and longer life.

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HR1

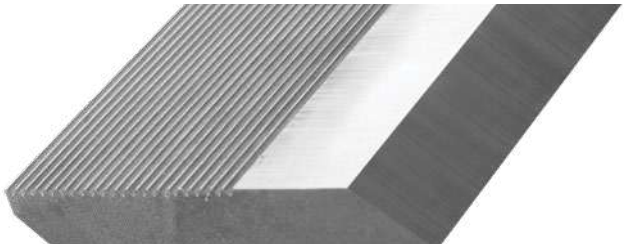


HSS

Application:

Grooves on the knife enable its precise placement on the tool.

L mm	H mm	K mm	ARTICLE HSS
40	50	8	HR1.040.508
40	60	8	HR1.040.608
40	70	8	HR1.040.708
60	50	8	HR1.060.508
60	60	8	HR1.060.608
60	70	8	HR1.060.708
80	50	8	HR1.080.508
80	60	8	HR1.080.608
80	70	8	HR1.080.708
100	50	8	HR1.100.508
100	60	8	HR1.100.608
100	70	8	HR1.100.708
120	50	8	HR1.120.508
120	60	8	HR1.120.608
120	70	8	HR1.120.708
130	60	8	HR1.130.608
130	70	8	HR1.130.708
650	40	8	HR1.650.408
650	50	8	HR1.650.508
650	60	8	HR1.650.608
650	70	8	HR1.650.708



Note:

Other dimensions are available on request.

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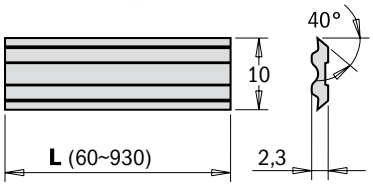
KS1-KS2-KS3

HSS **HM**

Note:
Other dimensions on request.

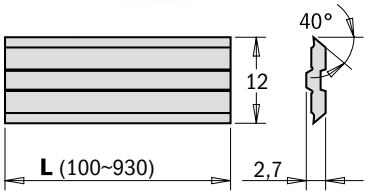
TERSA



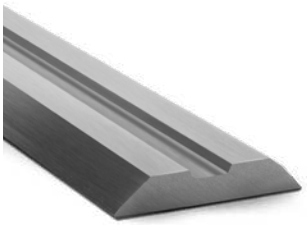


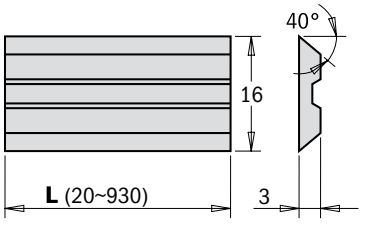
CENTROSTAR
CENTROFIX
QUICKFIX





CENTROLOCK





TERSA				CENTROSTAR, CENTROFIX, QUICKFIX				CENTROLOCK			
L mm	H mm	K mm	ARTICLE	L mm	H mm	K mm	ARTICLE	L mm	H mm	K mm	ARTICLE
60	10	2,3	KS1.060.01	60	12	2,7	KS2.060.01	60	16	3	KS3.060.01
80	10	2,3	KS1.080.01	80	12	2,7	KS2.080.01	80	16	3	KS3.080.01
100	10	2,3	KS1.100.01	100	12	2,7	KS2.100.01	100	16	3	KS3.100.01
110	10	2,3	KS1.110.01	110	12	2,7	KS2.110.01				
120	10	2,3	KS1.120.01	120	12	2,7	KS2.120.01				
130	10	2,3	KS1.130.01	130	12	2,7	KS2.130.01	130	16	3	KS3.130.01
140	10	2,3	KS1.140.01	140	12	2,7	KS2.140.01				
150	10	2,3	KS1.150.01	150	12	2,7	KS2.150.01	150	16	3	KS3.150.01
160	10	2,3	KS1.160.01	160	12	2,7	KS2.160.01				
170	10	2,3	KS1.170.01	170	12	2,7	KS2.170.01	170	16	3	KS3.170.01
180	10	2,3	KS1.180.01	180	12	2,7	KS2.180.01	180	16	3	KS3.180.01
190	10	2,3	KS1.190.01	190	12	2,7	KS2.190.01	190	16	3	KS3.190.01
200	10	2,3	KS1.200.01	200	12	2,7	KS2.200.01				
210	10	2,3	KS1.210.01	210	12	2,7	KS2.210.01				
220	10	2,3	KS1.220.01	220	12	2,7	KS2.220.01				
230	10	2,3	KS1.230.01	230	12	2,7	KS2.230.01	230	16	3	KS3.230.01
235	10	2,3	KS1.235.01								
240	10	2,3	KS1.240.01	240	12	2,7	KS2.240.01	240	16	3	KS3.240.01
250	10	2,3	KS1.250.01	250	12	2,7	KS2.250.01				
260	10	2,3	KS1.260.01	260	12	2,7	KS2.260.01				
270	10	2,3	KS1.270.01	270	12	2,7	KS2.270.01	270	16	3	KS3.270.01
280	10	2,3	KS1.280.01	280	12	2,7	KS2.280.01				
300	10	2,3	KS1.300.01	300	12	2,7	KS2.300.01				
310	10	2,3	KS1.310.01	310	12	2,7	KS2.310.01				
330	10	2,3	KS1.330.01								
350	10	2,3	KS1.350.01	350	12	2,7	KS2.350.01				
360	10	2,3	KS1.360.01	360	12	2,7	KS2.360.01				
400	10	2,3	KS1.400.01	400	12	2,7	KS2.400.01				
410	10	2,3	KS1.410.01	410	12	2,7	KS2.410.01				
420	10	2,3	KS1.420.01	420	12	2,7	KS2.420.01				
430	10	2,3	KS1.430.01	430	12	2,7	KS2.430.01				
450	10	2,3	KS1.450.01	450	12	2,7	KS2.450.01				
460	10	2,3	KS1.460.01					460	16	3	KS3.460.01
480	10	2,3	KS1.480.01	480	12	2,7	KS2.480.01				
500	10	2,3	KS1.500.01								
510	10	2,3	KS1.510.01	510	12	2,7	KS2.510.01				
520	10	2,3	KS1.520.01	520	12	2,7	KS2.520.01				
530	10	2,3	KS1.530.01	530	12	2,7	KS2.530.01				
540	10	2,3	KS1.540.01								
610	10	2,3	KS1.610.01	610	12	2,7	KS2.610.01				
620	10	2,3	KS1.620.01	620	12	2,7	KS2.620.01				
630	10	2,3	KS1.630.01	630	12	2,7	KS2.630.01				
635	10	2,3	KS1.635.01								
640	10	2,3	KS1.640.01	640	12	2,7	KS2.640.01				
650	10	2,3	KS1.650.01	650	12	2,7	KS2.650.01				
710	10	2,3	KS1.710.01	710	12	2,7	KS2.710.01				
810	10	2,3	KS1.810.01	810	12	2,7	KS2.810.01				
860	10	2,3	KS1.860.01								
910	10	2,3	KS1.910.01								
930	10	2,3	KS1.930.01	930	12	2,7	KS2.930.01	930	16	3	KS3.930.01

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STARTER KITS

The perfect starting point for users,
with professional-level tools in handy toolbox.

KIT NO. 01 – NESTING

INDEX NO. **SET.NESTING**

Includes:

Set of nesting and planning cutters:

- Z3+3 PCD cutter for nesting in SHRINK-FIT Chuck
- Z2+2 PCD cutter for nesting in ER40 Chuck
- Z3+3 VHM cutter for nesting in ER40 Chuck
- Z3 cutter with exchangeable knives for planning in ER40 Chuck



KIT NO. 02 – FURNITURE CONNECTIONS

INDEX NO. **SET.CONNECTORS**

Includes:

Set for furniture connection includes:

- Saw blade for furniture connections
- Saw blade adapter for CNC machine
- Cutter for furniture connections
- Drill bits for furniture connections
- EOC25 Chuck
- Set of Precision Collets



KIT NO. 03 – ER40
INDEX NO. **SET.ER40**

Includes:

- Chuck HSK-63 ER40 for CNC machines
- Set of Precision Collets



KIT NO. 04 – ER32
INDEX NO. **SET.ER32**

Includes:

- Chuck HSK-63 ER32 for CNC machines
- Set of Precision Collets



KIT NO. 05 – EOC25
INDEX NO. **SET.EOC25**

Includes:

- Chuck HSK-63 EOC25 for CNC machines
- Set of Precision Collets



KIT NO. 06 – BASIC
INDEX NO. **SET.VERTICALCNC**

Includes:

Set for vertical CNC machines includes:

- Saw Blade for vertical CNC machines
- Set of Drill Bits for vertical CNC machines
- Set of Spiral Bits for vertical CNC machines

DISPLAY CUTTERS

VHM

- A wide selection of standard products
- Packaged in attractive and functional display-ready packaging
- Packaging designed with customer convenience in mind
- Easy access to product specifications and its key features



ARTICLE	TYPE	Z	D mm	D_1 mm	l mm	L mm	S mm	α	Material	Coating
ST01.06.022.060.06RE	VHM	Z1	6	-	22	60	6	-	Plastics	-
SP01.06.012.060.06HE	VHM	Z1	6	-	12	60	6	-	Aluminum	HC
SP01.04.008.060.06HE	VHM	Z1	4	-	8	60	6	-	Aluminum	HC
SP01.04.008.060.06RE	VHM	Z1	4	-	8	60	6	-	Aluminum	-
ST28.04.012.060.06RE	VHM	Z1	4	-	12	60	6	-	Plastics	-
ST01.04.012.060.06RE	VHM	Z1	4	-	12	60	6	-	Plastics	-
ST01.03.006.060.06RE	VHM	Z1	3	-	6	60	6	-	Plastics	-
SP01.03.006.060.06RE	VHM	Z1	3	-	6	60	6	-	Aluminum	-
ST28.03.012.060.06RE	VHM	Z1	3	-	12	60	6	-	Plastics	-
ST51.03.006.060.06RE	VHM	Z1	3	-	6	60	6	-	Plastics	-
SY26.08.015.060.08XE	VHM	Z2	8	-	15	60	8	-	HPL	NaDia
FVH.16.015.060.12RaE	VHM	Z2	16	3	15	60	12	90°	Alucobond	-
FVH.10.004.050.10RaE	VHM	Z1	10	1,8	4,12	50	10	90°	Alucobond	-

ARTICLE	TYPE	Z	D mm	l mm	L mm	S mm	Tips	Material	H
DTA.14.045.12.0SRE	PCD	Z1+1	14	45	94	12x40	5PCD+1HM	Composite board	2,5
DTA.12.045.12.0SRE	PCD	Z1+1	12	45	100	12x50	5PCD+1HM	Composite board	2,5

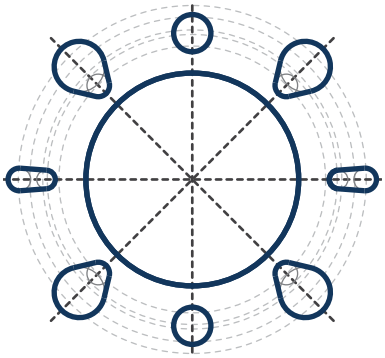
MATERIALS / MODELS	ACRYLIC	PE poly ethylene	PE-LD low pressure poly ethylene	PE-HD high pressure poly ethylene	ABS	PETF polyesters	PW poly-carbonate	PVC polyvinyl chloride	PA polyamide	POM polyoxy-methylene	PMMA poly(methyl methacry-late)	HDPE high density poly ethylene	ALUCO-BOND®	ETAL-BOND® A2
ST01R / ST28R / ST51R	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●○	●●●	●●●	●●○	○○○
ST36R *	●●●*	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●○	●●●	●●●	●●○	○○○
SP01R	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●●	○○○
SP02R	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SP15R	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SQ01R	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	○○○	○○○
SQ02R	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SQ31R	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SR01R	●●○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SR33R	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●●	○○○	●●●	○○○	○○○
CNR / CNV / CNS	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
CPS / CSS / CVS / CPU	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
SQ32R / SR02R / SR34R	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●○○	○○○	○○○	○○○	○○○
FVHRa1 / FVHRa2 / FVHRa3	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●●	●○○
SY26R	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
SY26XR	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	●○○	○○○	○○○
FVH 22,5°/30°/45°	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●●○	●○○	○○○
DT2	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
DTS	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
DT3	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
DT5	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
FFR	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○
FDT.12.006.12.0SR	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●○	●●●
FDH.18.007.16.0SR	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●○	●●●
FDH.30.005.12.0SR	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●○	●●●
SW03R/SW03L	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○

LEGEND: ●●● – excellent quality ●●○ – good quality ●○○ – sufficient quality ○○○ – not to apply

* perfect finish of acrylic material

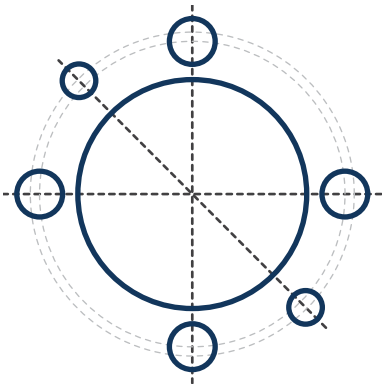
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CORIAN®	FOAM	GRAPHITE	GFK fiberglass	CFK carbonglass	TEXTOLITE	HPL compact board	HONEYCOMB	SANDWICH (without steel)	ALUMINUM	MDF	MODELING BOARD	FIBER CEMENT BOARD	STYROFOAM	PVC & ALU PROFILES ON GRAF SYNERGY® MACHINES	PVC PROFILES	ALU PROFILES
●○○	○○○	○○○	○○○	○○○	○○○	●○○	●○○	○○○	○○○	●○○	○○○	○○○	○○○	○○○	●●●	○○○
●○○	○○○	○○○	○○○	○○○	○○○	●○○	●○○	○○○	○○○	●○○	○○○	○○○	○○○	○○○	●●●	○○○
●○○	○○○	○○○	○○○	○○○	○○○	●○○	●○○	○○○	●●●	●○○	○○○	○○○	○○○	○○○	●●○	●●●
○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●●	●●●
○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	○○○	●●●	●○○
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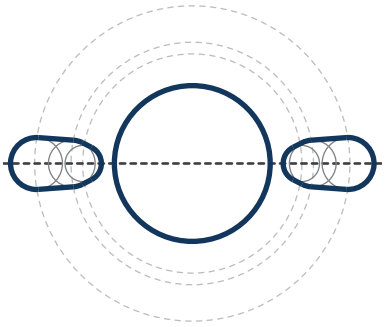
PH01 | ITA

2 / 14 / 110 mm
4 / 19 / 120 mm
4 / 8,5 / 100 mm
4 / 7 / 110 mm
4 / 8,5 / 130 mm



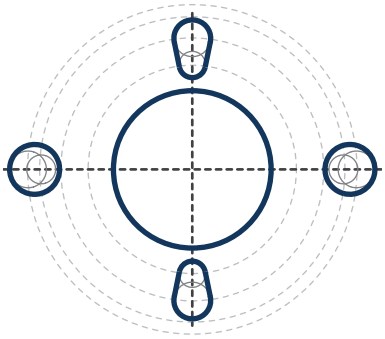
PH02 | ITA

4 / 15 / 105 mm
2 / 11 / 100 mm



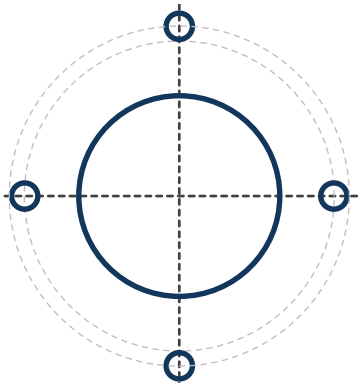
PH03 | ITA

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



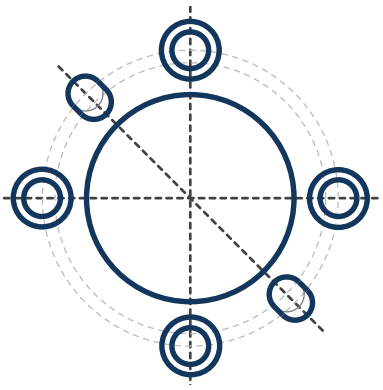
PH04 | ITA

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



PH05 | ITA

2 / 9 / 110 mm
2 / 9 / 100 mm



PH06 | ITA

2 / 5,9 / 50 mm
2 / 5,9 / 46 mm
4 / 5,5 / 50 mm
4 / 9 / 50 mm


RAW MDF


LAMINATED MDF


RAW CHIPBOARD


LAMINATED CHIPBOARD


PLYWOOD


LAMINATED PLYWOOD


GLAS FIBER


CARBON FIBER


CORIAN/HPL


SOFT SOLID WOOD


HARD SOLID WOOD


EXOTIC WOOD


HPL


ALUMINUM

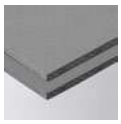

ALUCOBOND®


ALUCOBOND® A2


PLASTICS

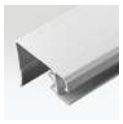

PLEXIGLASS


SOLID WOOD DRY AND WET MULTI-RIP


FIBER CEMENT


FOAM


ALU/PVC PROFILES


PVC PROFILES

Working operations


NESTING


JOINTING


RABBETING


PLANNING


GROOVING


DOOR LOCK


CUTTING


PROFILING


CHAMFERING

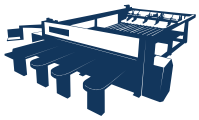
Machines


MITER SAW


TENONER

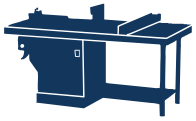

EDGE BANDING MACHINE


VERTICAL PANEL SAW


HORIZONTAL PANEL SAW

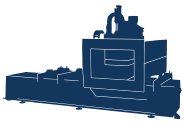

FORMAT SAW


TABLE SAW


TABLE SAW


MULTI-RIP SAW


CNC WITH AGGREGATES


CNC FORMATING DRILLING


DOUBLE-HEADED SAW


OPTIMIZING SAW

α	-	Cutting angle
A	-	Cutting angle
Densimet®	-	Ultra durable metal with a high tungsten content
D	-	Cutting circle diameter
DKN	-	Additional pins at the fixing hole 4x8mm
F	-	Bore diameter
H (PCD)	-	High of (PCD plates)
H	-	Cutting depth
HV10	-	Shore hardness on the Vickers scale
I	-	Cutting length
K	-	Cutting width
L	-	Length / width
LH	-	Left hand rotation
N / mm2	-	Breaking force
P	-	Thickness of tool
PH	-	Additional pins (types and track)
R	-	Radius
RH	-	Right hand rotation
RPM	-	Permissible RPM (rotation per minute)
S	-	Type of clamping
S (mm)	-	Diameter of shank
ShA	-	Shore hardness ont the Shore scale
V	-	Number of spurs
Z	-	Number of teeth

List of symbols


Cross cut


Longitudinal cut


Cross and longitudinal cut


Saws for longitudinal cut
on Multi rip machines


Saw blades for grooving



Number of tooth



Aluminum body



Tungsten carbide tipped



High speed steel



Symmetrical rotation



Manual feed



Noise-reduction



Right-hand rotation



Right-hand & Left-hand rotation



Sharpening by **laser ablation** method


Cross cut of ALU profiles


Polycrystalline diamond



Tools with changeable knives



Monolit carbide tools



Alloyed tools steel



Mechanical feed


Accessories



Left-hand rotation


Chrome saw blades

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