



## 23.A CATALOG SUPPLEMENT

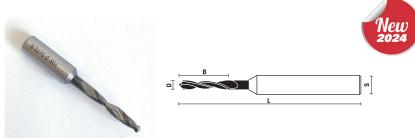


## **UPDATE 2024**

23.A Catalog Supplement - **SECTION 5** 

## VHW DOWEL DRILLS Z=2 WITH CYLINDRICAL SHANK FOR CNC

ART. L177

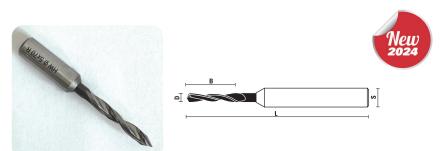


- To be used on CNC router machines
- Solid carbide spiral portion of highest quality
- Mirror finish cutting edge for better chips evacuation
- For wood, pressed wood, veenered, chipboard laminated and MDF



Item	D	В	L	S	
L177.030.R <b>NEW</b>	3	25	90	10x55	
L177.040.R <b>NEW</b>	4	30	90	10x55	
L177.050.R <b>NEW</b>	5	35	100	10x55	
L177.060.R <b>NEW</b>	6	40	100	10x55	
L177.080.R NEW	8	40	100	10x55	

## VHW THROUGH HOLE DRILL BITS Z=2 WITH CYLINDRICAL SHANK FOR CNC ART. L178



- To be used on CNC router machines
- Solid carbide spiral portion of highest quality
- Mirror finish cutting edge for better chips evacuation
- For wood, pressed wood, veenered, chipboard laminated and MDF



Item	D	В	L	S	
L178.030.R <b>NEW</b>	3	25	90	10x55	
L178.040.R <b>NEW</b>	4	30	90	10x55	
L178.050.R <b>NEW</b>	5	35	100	10x55	
L178.060.R* <b>NEW</b>	6	40	100	10x55	
L178.080.R <b>NEW</b>	8	40	100	10x55	

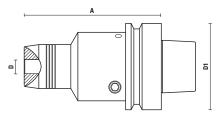
<sup>\*</sup> Suitable for working with P-SYSTEM Lamello



## **HSK63F HYDRO CHUCK**

**ART. T518** 







- Concentricity ≤ 0,005 mm Hexagonal T-key included Precision balanced at G2.5 to 24.000 RPM
- The hollow taper shank is produced according to DIN69893
- Tightening torque power of 5,5 N/m
- For right and left hand rotation

# **HydroBlock**

#### MAIN ADVANTAGES OF HYDRAULIC CHUCK

- Reduced set up times thanks to an easy, quick and simple tool change
- More clamping force compared to collet chucks thus higher precision and better finishing of workpiece
- Less vibration during routing operation
- Very simple clamping operation
- Up to 2.500/3.000 tool changes without losing accuracy
- Longer tool lifetime
- Thanks to the reduction sleeves, a variety of shank sizes can be clamped
- Balanced at G 2.5 to 24.000 RPM





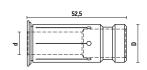


ltem	Α	<b>D</b> 1	D	Rotation	
T518.095.N100 <b>NEW</b>	100	63	3/8"	Dx-Sx/Rh-Lh	
T518.120.N100 <b>NEW</b>	100	63	12	Dx-Sx/Rh-Lh	
T518.127.N100 <b>NEW</b>	100	63	1/2"	Dx-Sx/Rh-Lh	
T518.160.N100 <b>NEW</b>	100	63	16	Dx-Sx/Rh-Lh	
T518.195.N100 <b>NEW</b>	100	63	3/4"	Dx-Sx/Rh-Lh	
T518.200.N100 <b>NEW</b>	100	63	20	Dx-Sx/Rh-Lh	
T518.120.N <b>NEW</b>	80	63	12	Dx-Sx/Rh-Lh	
T518.160.N <b>NEW</b>	80	63	16	Dx-Sx/Rh-Lh	
T518.200.N <b>NEW</b>	80	63	20	Dx-Sx/Rh-Lh	
T518.250.N <b>NEW</b>	85	63	25	Dx-Sx/Rh-Lh	

## REDUCTION SLEEVES FOR HYDRO CHUCKS

**ART. T521** 







- These sleeves allow clamping of different diameters with just one hydro chuck
- Suitable for all common cutting tools with cylindrical shank

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Item	D	d	
T521.120.030 <b>NEW</b>	12	3	
T521.120.040 <b>NEW</b>	12	4	
T521.120.050 <b>NEW</b>	12	5	
T521.120.060 <b>NEW</b>	12	6	
T521.120.080 <b>NEW</b>	12	8	
T521.120.100 NEW	12	10	

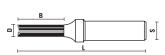
Item	D	d	
T521.200.060 <b>NEW</b>	20	6	
T521.200.080 <b>NEW</b>	20	8	
T521.200.100 <b>NEW</b>	20	10	
T521.200.120 <b>NEW</b>	20	12	
T521.200.140 <b>NEW</b>	20	14	
T521.200.160 <b>NEW</b>	20	16	
T521.200.180 NEW	20	18	

Item	D	d	
T521.250.060 <b>NEW</b>	25	6	
T521.250.080 <b>NEW</b>	25	8	
T521.250.100 <b>NEW</b>	25	10	
T521.250.120 <b>NEW</b>	25	12	
T521.250.140 <b>NEW</b>	25	14	
T521.250.160 <b>NEW</b>	25	16	
T521.250.180 <b>NEW</b>	25	18	
T521.250.200 <b>NEW</b>	25	20	

### VHW STRAIGHT ROUTER BITS FOR NESTING Z=3

**ART. T113** 







- Special extra fine quality carbide for a longer lifetime
   For nesting and grooving application
   Designed for great performance and fast feed rate up to 18 m/min
- Extra fine finishing quality



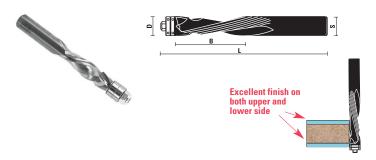




RH rotation	D	В	L	Z	S	
T113.061.R <b>NEW</b>	6	21	73	3	12	
T113.062.R <b>NEW</b>	6	26	73	3	12	
T113.081.R <b>NEW</b>	8	29	76	3	12	

### SOLID CARBIDE COMPRESSION CUTTERS Z=2+2 WITH DOUBLE BALL BEARING

**ART. T166** 



- Right-hand rotation with double flute compression spiral (UP & DOWN) The bottom part is up-cut while the upper part is down cut, ensuring excellent finish on both sides of the panel

  - Double ball bearings guide for greater precision of trimming

  - Special spiral geometry which provides better chip evacuation and smoother cuts on laminate panels

- For natural wood, pressed wood, veneered, laminate and melamine



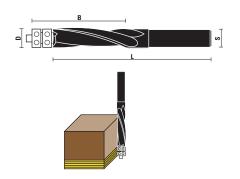


RH rotation	D	В	L	S	Z
T166.127.R <b>NEW</b>	1/2" (12,7)	1-1/4" (31,75)	4" (101,60)	1/2" (12,7)	2+2



#### SOLID CARBIDE FLUSH TRIM BITS WITH DOUBLE BALL BEARINGS Z=2 **ART. T168**





- Right-hand rotation with "UP CUT SPIRAL"
- Double ball bearings guide for greater precision of trimming
- Special spiral geometry which provides better chip evacuation and smoother cuts compared to standard flush trim bits - For natural wood, pressed wood, veneered, laminate and melamine





RH rotation	D	В	L	S	Z
T168.064.R NEW	1/4" (6,35)	1" (25.4)	76	6	2



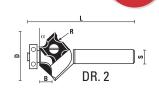




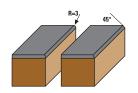
#### **HW INSERT FLUSH TRIMMING BITS WITH BALL BEARING Z=2** ART. WC122







#### With reversible knives







Ø <b>8</b>		D	В	R	α	Drawing	
WC122.274.R <b>NEW</b>		27,3	5,7	3	-	2	
Z050.003.N	Z055.557.N	Z051.503.N	Z051,501,R				
2030.003.14	2000.007.IV	Screw for ball bearing	Screw for knives				
WC122.275.R <b>NEW</b>		27,3	5,7	2	45°	1	
7050 003 N	7055 558 N	7051 503 N	Z051.501.R				







27,3



Screw for knives

WC122.276.R **NEW** 



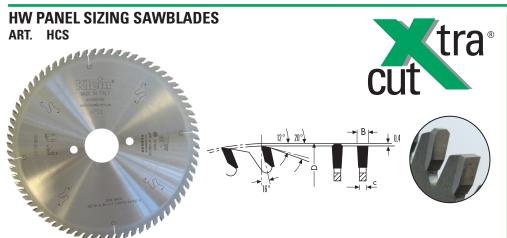






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## 23.A Catalog Supplement - SECTION 12









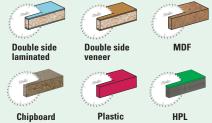


Item	D	d	B/c	Z	Pin holes
HCS320 06030 NEW 🚵 🚧	320	30	4 4/3 2	60	Selco

### **TEETH FEATURES**

- FZ/TR (TCG) triple chip teeth • HW grade: KCR05+ (K01-C4)

#### **MATERIALS**



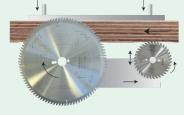
#### **MACHINES**



#### **USEFUL INFORMATION**

• Pin holes: **PH01**= 2/10/60 **PH02**= 2/7/42 + 2/9,5/46,5 + 2/10/60

**PH04**= 2/14/110 + 2/7/110 + 4/9/100 + 4/19/120 + 2/9/130 (Selco-Gabbiani-SCM) **PH05**= 4/15/105 + 3/7/100 (Giben-Homag-MacMazza)



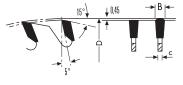


## **HW POSITIVE SAWBLADES FOR ALUMINIUM**

ART. LA

















Item		D	d	B/c	Z	Pin holes
LA420.12030 <b>NEW</b>	₩₩	420	30	4,0/3,2	120	2/11/63
LA420.12032 <b>NEW</b>	<b>₩</b>	420	32	4,0/3,2	120	2/11/63
	<b></b>					
LA450.12032 <b>NEW</b>	<b>₩</b>	450	32	4,0/3,2	120	2/11/63
	\.					
LA520.12830 NEW	₩₩	520	30	4.0/3.2	128	2/11/63

#### **TEETH FEATURES**

- FZ/TR (TCG) triple chip teeth
- 5° **positive** hook angle HW grade: KCR10

#### **MATERIALS**





**Plexiglass** 



Plastic

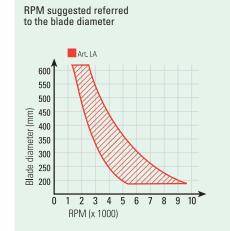


Copper

**MACHINES** 



**USEFUL INFORMATION** 





### **EXTRA THIN PROFESSIONAL SAWBLADES**



Fine hardmetal powder grain creates compact and sturdy carbide teeth that reduce abrasion, improve quality of the cut and increase life of the blade.



The special extra-thin kerf design allows fast and effortless cuts on cordless and portable saw, ensuring a higher feed rate and faster work progress.



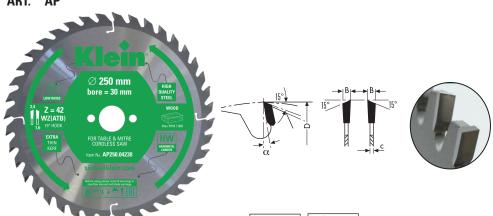
Our laser-cut silent slots reduce noise, prevent sideways movement and improve cutting quality. The laser-cut expansion slots prevent stress and warping.



Our superior quality steel of the sawblade bodies is hardened up to HRC 46 and cut by laser to guarantee higher precision, less stress and better balancing.



## EXTRA THIN PROFESSIONAL SAWBLADES ART. AP









Item		D	<b>d</b> (reduction)	B/c	α	Z	Pin holes
AP168.04220 <b>NEW</b>	M	168	20 (16)	1,8/1,2	10°	42	PH02
AP190.02430 <b>NEW</b>		190	30 (1"-20)	1,7/1,1	15°	24	PH02
AP190.04830 <b>NEW</b>		190	30 (1"-20)	1,7/1,1	15°	48	PH02
AP300.07230 NEW		300	30 (1"-20)	2.6/1.8	15°	72	PH02

#### **TEETH FEATURES**

- WZ (ATB) alternate top bevel teeth
- HW grade: KCR10

#### **MATERIALS**







**MACHINES** 



Power mitre saws



Portable :





Table saw

Cordless

#### **USEFUL INFORMATION**

- The special extra-thin kerf design allows fast and effortless cuts on cordless and portable saw, ensuring a higher feed rate and faster work progress.
- Pin holes: PH02=2/7/42 + 2/9,5/46,5 + 2/10/60



### **EXTRA THIN PROFESSIONAL SAWBLADES**



Item		D	d (reduction)	B/c	α	Z	Pin holes
AT168.05220 NEW	***	168	20 (16)	1.8/1.2	-5°	52	PH02



#### **TEETH FEATURES**

- FZ/TR (TCG) triple chip teeth trapezoidal
- HW grade: KCR10

#### **MATERIALS**





Aluminium





Laminate

#### **MACHINES**





Power mitre saws

Portable saw

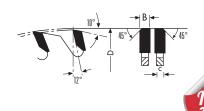


#### **USEFUL INFORMATION**

- The special extra-thin kerf design allows fast and effortless cuts on cordless and portable saw, ensuring a higher feed rate and faster work progress
- Pin holes: PH02=2/7/42 + 2/9,5/46,5 + 2/10/60

#### **HW SAW BLADES FOR BUILDING SITES AND CONSTRUCTION** ART.











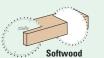
Item	D	<b>d</b> (reduction)	B/c	Z	Pin holes
GC250.01630 NEW	250	30(25)	2.8/1.8	16	PH02
GC300.02030 NEW	300	30(25)	2.8/1.8	20	PH02
GC300.04830 NEW	300	30(25)	3.2/2.2	48	PH02
GC315.02430 NEW	315	30(25)	3.2/2.2	24	PH02
GC350.02430 NEW	350	30(25)	3.2/2.2	24	PH02
GC400 02830 NFW	400	30(25)	3 5/2 5	28	PHN2

#### **TEETH FEATURES**

- WZ/FA Alternate top bevel teeth
- HW grade: KCR10

#### **MATERIALS**









#### **MACHINES**





Power mitre saws

Portable saw



Cordless

#### **USEFUL INFORMATION**

- Anti-Kickback design
- And-Nickback design
  Suitable for cutting lumber, OSB, hard and soft wood with nails and metal parts
  Special no-stick coating "black ultra"
  Reduction ring 30 to 25 mm included
  Pin holes: PH02=2/7/42 + 2/9,5/46,5 + 2/10/60



















