OERTLI

Excellence in solid wood

CNC tools
Catalogue

OERTLI Werkzeuge AG

An international company with Swiss roots

What began more than 90 years ago in the Zurich Unterland with the mechanic Jean Oertli, is an internationally renowned manufacturer of tool solutions for a wide range of woodworking processes today. One thing has not changed: the headquarters and development and production facilities are still located in Switzerland.

Excellence in Solid Wood

More than just a guiding principle

OERTLI has grown with the processing of solid wood and always remained faithful to its core competence. The company benefits from many years of experience in various business areas, such as interior construction, production of windows & doors as well as timber construction. All this for the benefit of its customers.

Today, OERTLI is known and esteemed as a technology leader in the field of solid wood processing. The company has acquired this reputation not only through its high-performance tools, but also through optimized application concepts to increase the profitability of its customers.

CNC tools

For the best use of your CNC system

Even the best CNC system depends on the quality and performance of the tools. That is why optimal coordination is one of the most important factors for the success of CNC production.

On the following pages you will find an assortment of tools of the highest quality, sorted by product group. Including helpful recommendations from our experts, this book serves a practical guide for every CNC user.

OERTLI Engineering

Guidance on sustainable profitability

In addition to classic toolmaking, OERTLI is renowned among many successful woodworking companies as a supplier of engineering services. OERTLI supports the entire project process: from consulting and machining concepts to 3D visualization and programming data. The goal of each consultation is significant and sustainable profitability for the customer.

Abbreviation

A	Dimension A on clamping shafts
alpha	Angle
B	Cutting width
b	Saw plate thickness
B1	Tool body width
D	Diameter
d	Bore
D max	Maximum diameter
D1	Tool body diameter
d1	Shank diameter
d2	Ball bearing diameter
DP	Diamond
DR	Direction of rotation
DW	Spiral slope
L	Length
L1	Clamping length
L2	Clamping length shaft
L3	Chamfer width
li.	Counter clockwise rotation
M	Thread
n max	Maximum speed
NEG	Negative spiral angle
NL	Pin holes
NLK	Combination of pinholes 2/7/42 + 2/9/46.5 + 2/10/60
NUL	Working length
POS	Positive spiral angle
R	Radius
re.	Clockwise rotation
SG	Cutting geometry
SL	Cutting length
T max	Max. grooving depth
Typ	Various information
VHW	Solid tungsten carbide
WS	Reversible knives
Z	Number of teeth


1
Solid tungsten carbide shank cutter


2
Cutter with reversible knives and diamond cutter


3
Door machining


4
Grooving cutter and circular saws


5
Profile tools


6
Boring bits


7
Clamping systems


8
Tool preparation

1

Solid tungsten carbide shank cutter

VHW TURBEX spiral roughing cutter

Application

- For separating, formatting and pre-cutting of solid wood, wood board and panel materials
- For very large cutting volumes at high feed rates
- Surface finish in roughing quality

Design

- Solid tungsten carbide
- TA680247, TA680248: Alternate version with continuous knife
- Positive spiral conducting chips upwards or negative spiral conducting chips downwards
- Face and periphery cutting for axial plunge cutting and plunge milling
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

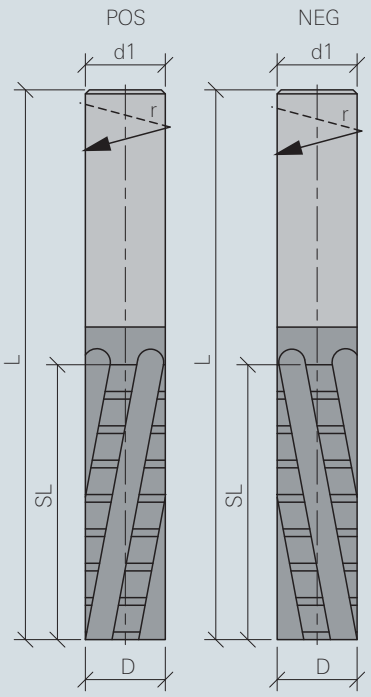
Art. No.	D	SL	L	d1	Z	DW	DR	n max
TA680008	8	30	75	8	2	pos.	re.	30'000
TA680030	10	30	75	10	2	pos.	re.	30'000
TA680031	10	30	75	10	2	neg.	re.	30'000
TA680032	12	45	90	12	2	pos.	re.	30'000
TA680033	12	45	90	12	3	pos.	re.	30'000
TA680620	14	25	90	14	3	pos.	re.	30'000
TA680035	14	55	110	14	3	pos.	re.	30'000
TA680042	16	35	90	16	3	pos.	re.	30'000
TA680043	16	35	90	16	3	neg.	re.	30'000
TA680039	16	55	110	16	3	pos.	re.	30'000
TA680040	16	55	110	16	3	neg.	re.	30'000
TA680041	16	55	110	16	2	pos.	re.	30'000
TA680048	20	55	115	20	3	pos.	re.	30'000
TA680049	20	55	115	20	3	neg.	re.	30'000
TA680051	20	75	135	20	3	pos.	re.	30'000
TA680052	20	75	135	20	3	neg.	re.	30'000
TA680054	25	55	115	25	4	pos.	re.	24'000
TA680055	25	75	135	25	4	pos.	re.	24'000

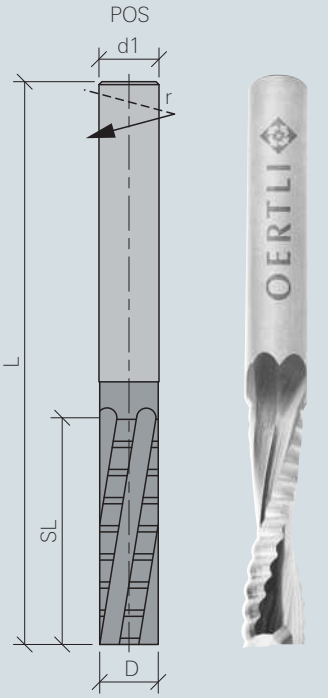
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
8 – 10 mm	< 15 mm	6 m/min
8 – 10 mm	> 15 mm	5 m/min
12 – 16 mm	< 25 mm	12 m/min
12 – 16 mm	> 25 mm	10 m/min
18 – 25 mm	< 40 mm	15 m/min
18 – 25 mm	> 40 mm	13 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



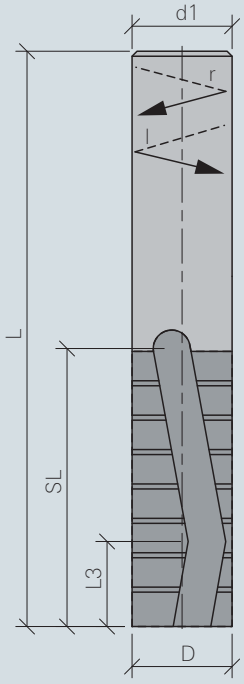


VHW TURBEX ECOline spiral roughing cutter

Application
- For separating, formatting and pre-cutting of solid wood, wood board and panel materials
- For manual routing machines

Design
- Solid tungsten carbide
- Positive spiral
- Face and peripheral milling
- Limited regrinding area
- MAN

Art. No.	D	SL	L	d1	Z	DW	DR	n max
TA680312	7.8	30	70	8	2	pos.	re.	30'000
TA680315	12	45	90	12	2	pos.	re.	30'000



VHW TURBEX spiral roughing cutter

Application
- For separating, formatting and pre-cutting of solid wood, wood board and panel materials
- For very large cutting volumes at high feed rates
- Surface finish in roughing quality
- Clean cut edges top and bottom

Design
- Solid tungsten carbide
- Alternating positive upwards and negative downwards spirals
- Face and periphery cutting for axial plunge cutting and plunge milling
- MEC

Art. No.	D	SL	L3	L	d1	Z	DW	DR	n max
TA680503	20	55	17	115	20	4 (2+2)	pos./neg.	re.	30'000

Guide line
Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
20 mm	< 40 mm	14 m/min
20 mm	> 40 mm	12 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

VHW TURBEX router and jointing cutter

Application
- For separating, formatting and pre-cutting of solid wood, wood board and panel materials
- For very large cutting volumes at high feed rates
- Surface finish in production quality
- Clean cut edges top and bottom

Design
- Solid tungsten carbide
- Alternating positive upwards and negative downwards spirals
- Face and periphery cutting for axial plunge cutting and plunge milling
- MEC

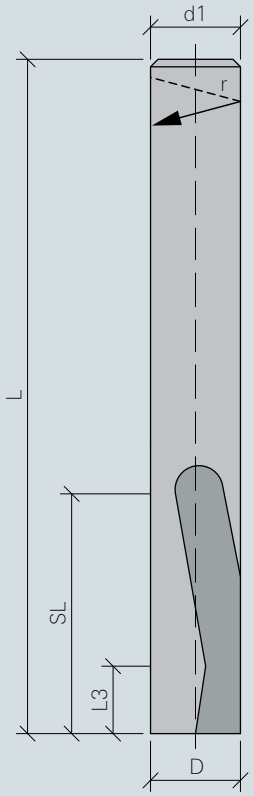
Art. No.	D	SL	L3	L	d1	Z	DR	n max
TA680507	12	32	9	80	12	4 (2+2)	re.	30'000
TA680508	16	55	10	100	16	4 (2+2)	re.	30'000

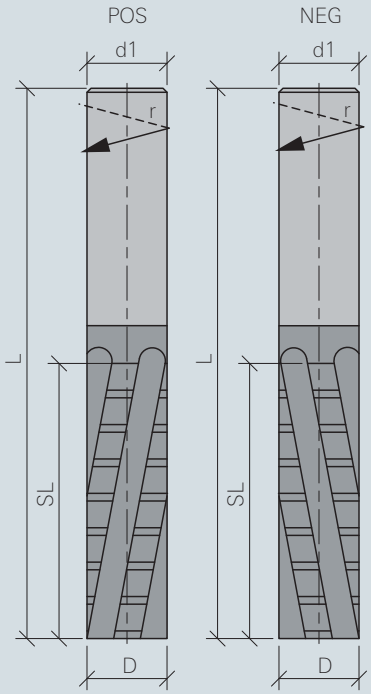
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
12 – 16 mm	< 25 mm	12 m/min
12 – 16 mm	> 25 mm	10 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1





VHW TURBEX SPRINT roughing/finishing cutter, NanoUCT laminated

Application
- For separating, formatting and pre-cutting of solid wood, wood board and panel materials
- For very large cutting volumes at very high feed rates
- Surface finish in finishing quality with a minimum of visible marks

Design
- Solid tungsten carbide
- Z=1 with smooth finishing teeth
- Positive upwards spiral
- Face and periphery cutting for axial plunge cutting and plunge milling
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

Art. No.	D	SL	L	d1	Z	DW	DR	n max
TB680010	12	45	90	12	3	pos.	re.	30'000
TB680011	16	55	110	16	3	pos.	re.	30'000
TB680012	20	55	115	20	3	pos.	re.	30'000
TB680013	20	75	135	20	3	pos.	re.	30'000

Guide line

Rotation speed 1/min
18'000

Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
8 – 10 mm	< 15 mm	8 m/min
8 – 10 mm	> 15 mm	6 m/min
12 – 16 mm	< 25 mm	16 m/min
12 – 16 mm	> 25 mm	13 m/min
18 – 25 mm	< 40 mm	20 m/min
18 – 25 mm	> 40 mm	18 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

VHW TURBEX spiral finishing cutter

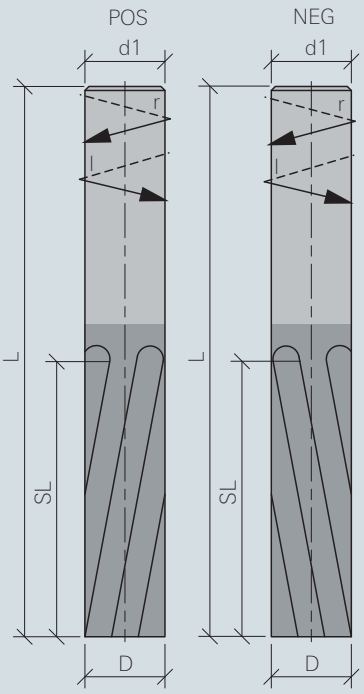
Application

- For formatting, grooving and separating solid wood, wood board and panel materials
- For medium cutting volumes at medium feed rates
- Surface finish in production quality

Design

- Solid tungsten carbide
- TA680247, TA680248: Alternate version with continuous knife
- Positive spiral conducting chips upwards or negative spiral conducting chips downwards
- Face and periphery cutting for axial plunge cutting and plunge milling
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

Art. No.	D	SL	L	d1	Z	DW	DR	n max
TA680060	4	15	60	4	2	neg.	re.	30'000
TA680061	6	15	60	6	2	pos.	re.	30'000
TA680062	6	15	60	6	2	neg.	re.	30'000
TA680063	8	30	75	8	2	pos.	re.	30'000
TA680064	8	30	75	8	2	neg.	re.	30'000
TA680057	10	20	60	10	2	neg.	li.	30'000
TA680065	10	30	75	10	2	pos.	re.	30'000
TA680066	10	30	75	10	2	neg.	re.	30'000
TA680058	12	45	90	12	2	pos.	li.	30'000
TA680067	12	45	90	12	3	pos.	re.	30'000
TA680069	12	45	90	12	2	pos.	re.	30'000
TA680070	12	45	90	12	2	neg.	re.	30'000
TA680071	14	55	110	14	3	pos.	re.	30'000
TA680081	16	35	90	16	3	pos.	re.	30'000
TA680082	16	35	90	16	3	neg.	re.	30'000
TA680074	16	55	110	16	3	pos.	re.	30'000
TA680075	16	55	110	16	3	neg.	re.	30'000
TA680076	16	55	110	16	2	pos.	re.	30'000
TA680077	16	55	110	16	2	neg.	re.	30'000
TA680078	16	55	110	16	3	pos.	li.	30'000
TA680079	16	55	110	16	3	neg.	li.	30'000
TA680089	20	55	115	20	3	pos.	re.	30'000
TA680090	20	55	115	20	3	neg.	re.	30'000
TA680092	20	75	135	20	3	pos.	re.	30'000
TA680093	20	75	135	20	3	neg.	re.	30'000



Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
4 – 6 mm	< 10 mm	3 m/min
4 – 6 mm	> 10 mm	4 m/min
8 – 10 mm	< 15 mm	6 m/min
8 – 10 mm	> 15 mm	5 m/min
12 – 16 mm	< 25 mm	12 m/min
12 – 16 mm	> 25 mm	10 m/min
18 – 25 mm	< 40 mm	15 m/min
18 – 25 mm	> 40 mm	13 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

VHW TURBEX hybrid cutter

Application

- For formatting, grooving and separating solid wood, wood board and panel materials
- For large cutting volumes at medium feed rates
- Surface finish in production quality

Design

- Solid tungsten carbide
- Positive upwards spiral
- 2 roughing knives, 2 finishing knives
- Face and periphery cutting for axial plunge cutting and plunge milling
- MEC

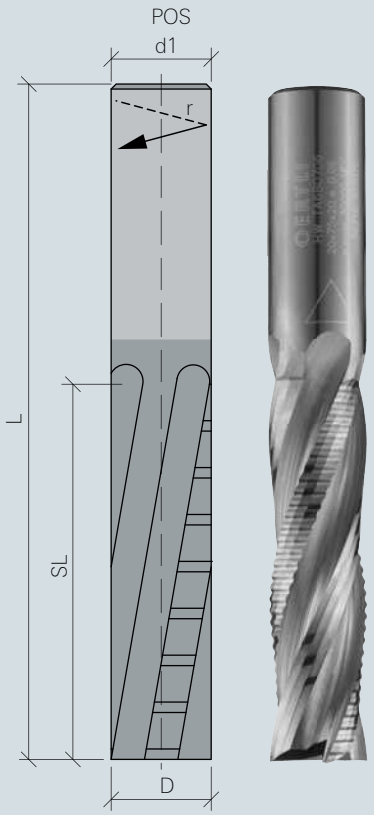
Art. No.	D	SL	L	d1	Z	DW	DR	n max
TA680700	12	45	90	12	4 (2+2)	pos.	re.	30'000
TA680702	16	55	110	16	4 (2+2)	pos.	re.	30'000
TA680704	20	55	115	20	4 (2+2)	pos.	re.	30'000
TA680706	20	75	135	20	4 (2+2)	pos.	re.	30'000
TA680707	20	75	135	20	4 (2+2)	neg.	re.	30'000

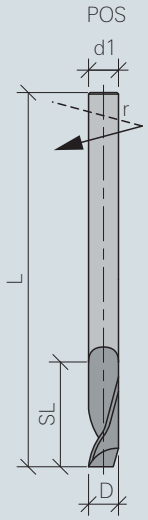
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
12 – 16 mm	< 25 mm	12 m/min
12 – 16 mm	> 25 mm	10 m/min
18 – 25 mm	< 40 mm	15 m/min
18 – 25 mm	> 40 mm	13 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1





VHW TURBEX spiral finishing cutter

Application
- For grooving, separating in aluminium, plastic, composites, solid wood, wood board and panel materials
- For small cutting volumes at medium feed rates
- Surface finish in production quality

Design
- Solid tungsten carbide
- Polished tooth face
- Constant cutting circle diameter
- Positive upwards spiral
- Face and periphery cutting for axial plunge cutting and plunge milling
- MAN

Art. No.	D	SL	L	d1	Z	DR	n max
TA680159	1	5	38	3	1	re.	30'000
TA680160	2	10	38	3	1	re.	30'000
TA680161	3	10	38	3	1	re.	30'000
TA680162	4	14	50	4	1	re.	30'000
TA680163	5	16	60	5	1	re.	30'000
TA680164	6	20	60	6	1	re.	30'000
TA680165	8	20	75	8	1	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Material: Aluminium
Processing: Dividing cut

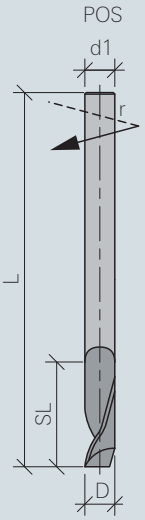
Diameter	Processing depth	Feed speed vf
1 – 3 mm	< 5 mm	1.5 m/min
1 – 3 mm	> 5 mm	1 m/min
4 – 5 mm	< 10 mm	2.5 m/min
4 – 5 mm	> 10 mm	2 m/min
6 – 8 mm	< 15 mm	4 m/min
6 – 8 mm	> 15 mm	3 m/min

Correction vf	
Chip board	2.0
Hardwood	1.2
Multiplex	1.4
MDF	1.7

Finishing cutter Plexi-Cut

Application
- For milling of plexiglas, plastic panels, acryl panels
- Surface quality in polished finish

Design
- Solid tungsten carbide
- MAN

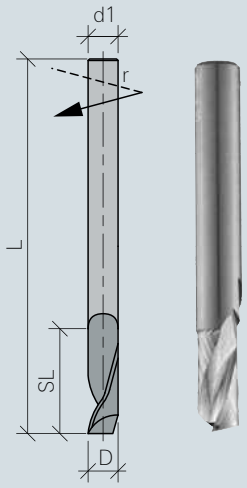


Art. No.	D	SL	L	d1	Z	DR	n max
TB680700	6	15	70	6	2	re.	30'000
TB680701	10	30	80	10	2	re.	30'000
TB680702	12	35	85	12	2	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Material: Plexiglas
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
1 – 3 mm	< 5 mm	1.5 m/min
1 – 3 mm	> 5 mm	1 m/min
4 – 5 mm	< 10 mm	2.5 m/min
4 – 5 mm	> 10 mm	2 m/min
6 – 8 mm	< 15 mm	4 m/min
6 – 8 mm	> 15 mm	3 m/min
9 – 12 mm	< 20 mm	4 m/min
9 – 12 mm	> 20 mm	3 m/min



Finishing cutter Plexi-Cut Up-and-Down

Application
- For milling of plexiglas, plastic panels, acryl panels

Design
- Solid tungsten carbide
- Pulling cut - up and down
- MAN

Art. No.	D	SL	L	d1	Z	DR	n max
TB680703	4	10	60	4	1+1	re.	30'000
TB680704	6	15	70	6	1+1	re.	30'000
TB680705	10	20	80	10	1+1	re.	30'000
TB680706	12	30	85	12	1+1	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Material: Plexiglas
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
1 – 3 mm	< 5 mm	1.5 m/min
1 – 3 mm	> 5 mm	1 m/min
4 – 5 mm	< 10 mm	2.5 m/min
4 – 5 mm	> 10 mm	2 m/min
6 – 8 mm	< 15 mm	4 m/min
6 – 8 mm	> 15 mm	3 m/min
9 – 12 mm	< 20 mm	4 m/min
9 – 12 mm	> 20 mm	3 m/min

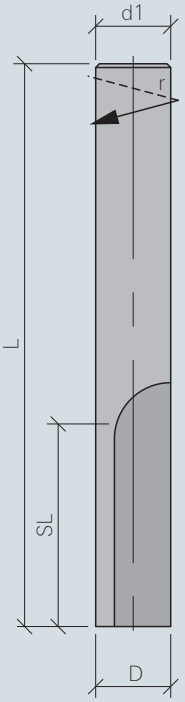
VHW Groove cutter

Application

- For grooving and separating in solid wood, wood board and panel materials

Design

- Solid tungsten carbide
- Axially parallel cutting edges
- Face and periphery cutting for axial plunge cutting and plunge milling
- MAN



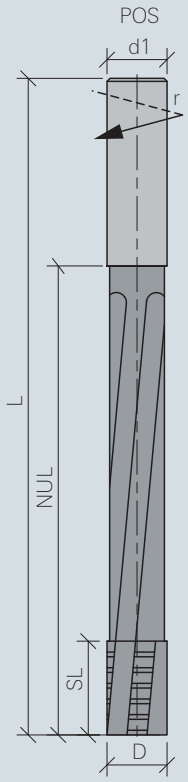
Art. No.	D	SL	L	d1	Z	DR	n max
TA673030	4	13	60	4	2	re.	30'000
TA673031	5	13	60	5	2	re.	30'000
TA673032	6	16	60	6	2	re.	30'000
TA673033	8	25	75	8	2	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
4 – 6 mm	< 10 mm	5 m/min
4 – 6 mm	> 10 mm	4 m/min
8 – 12 mm	< 15 mm	6 m/min
8 – 12 mm	> 15 mm	5 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



VHW Door lock case finishing cutter

Application
- For mortising lock cavities and door mullions in solid wood, wood board and panel materials
- For large cutting volumes at medium feed rates
- Surface finish in production quality

Design
- Solid tungsten carbide
- Positive upwards spiral
- Face and periphery cutting for axial plunge cutting and plunge milling
- MEC

Art. No.	D	SL	NUL	L	d1	Z	DW	DR	n max
TA680190	14	25	105	155	14	2	pos.	re.	24'000
TA680193	14	25	120	170	14	2	pos.	re.	24'000
TA680189	14.5	25	125	175	16	2	pos.	re.	24'000
TA680191	16	25	125	175	16	2	pos.	re.	24'000

Guide line

Rotation speed 1/min
12'000 – 18'000
Range of application
Material: Soft wood
Processing: Dividing cut

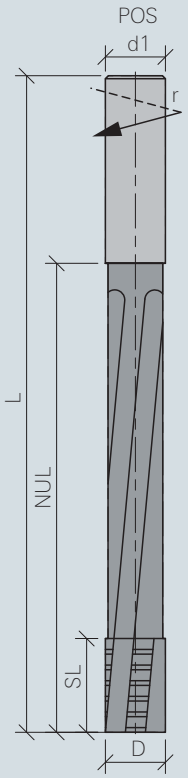
Diameter	Processing depth	Feed speed vf
14 – 16 mm	< 8 mm	8 – 10 m/min
16 – 18 mm	< 10 mm	10 – 12 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

VHW Door lock case roughing cutter

Application
- For mortising lock cavities in solid wood, wood board and panel materials
- For very large cutting volumes at high feed rates
- Surface finish in roughing quality
- Stroke in solid wood 5-8 mm
- Stroke in chipboard 10-15 mm

Design
- Solid tungsten carbide
- TA680247, TA680248: Alternate version with continuous knife
- Positive upwards spiral
- Face and periphery cutting for axial plunge cutting, plunge milling and circular milling
- MEC



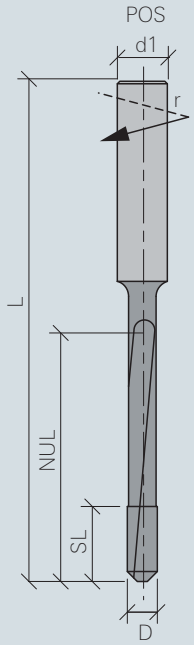
Art. No.	D	SL	NUL	L	d1	Z	DW	DR	n max
TA680195	14	25	105	155	14	3	pos.	re.	24'000
TA680194	14.5	25	125	175	16	3	pos.	re.	24'000
TA680180	14.5	25	140	190	16	3	pos.	re.	24'000
TA680199	16	25	100	150	16	3	pos.	re.	24'000
TA680196	16	25	125	175	16	3	pos.	re.	24'000
TA680198	18	25	125	175	20	3	pos.	re.	24'000

Guide line

Rotation speed 1/min
12'000 – 18'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
14 – 16 mm	< 8 mm	10 – 12 m/min
16 – 18 mm	< 10 mm	12 – 14 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



VHW drain slot cutter

Application

- For grooving and cutting slots in solid wood, wood board and panel materials and for cutting draining grooves in window profiles in plastic and aluminium

Design

- Solid tungsten carbide
- Constant cutting circle diameter
- Positive upwards spiral
- Large spiral angle for maximum cutting efficiency
- Face and peripheral cutting for axial plunge milling and lateral cutting
- MEC

Art. No.	D	SL	NUL	L	d1	Z	DW	DR	n max
TB680005	6	15	50	100	10	2	pos.	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Aluminium
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
6 mm	< 5 mm	3 m/min
6 mm	> 5 mm	2 m/min

Correction vf	
Chip board	2.0
Hardwood	1.2
Multiplex	1.4
MDF	1.7

VHW Spyhole boring cutter

Application
- For drilling spyholes and access holes as well as milling out holes in solid wood, wood board and panel materials
- 1. Processing stage: drill through the workpiece completely
- 2. Processing stage: cut out the workpiece

Design
- Solid tungsten carbide
- Drill bit with 45° bevel
- Positive upwards spiral
- For circular milling of spyhole and handlehole in solid wood and panel material
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

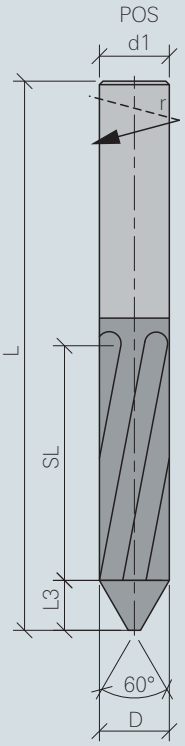
Art. No.	D	SL	L3	L	d1	Z	DW	DR	n max
TA680018	12	47	10	110	12	2	pos.	re.	30'000
TA680019	12	70	10	130	12	2	pos.	re.	30'000
TA680027	14	47	10	110	14	2	pos.	re.	30'000
TA680028	16	52	11	130	16	2	pos.	re.	30'000

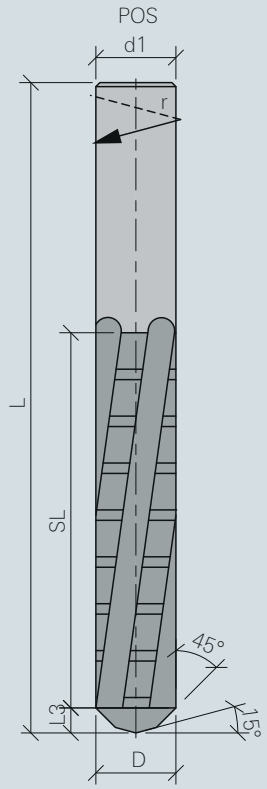
Guide line

Rotation speed 1/min
12'000 – 15'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Axial feed speed vf	Feed speed vf
12 mm	2 m/min	3 m/min
14 mm	4 m/min	4 m/min
16 mm	6 m/min	5 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1





VHW TURBEX boring/roughing cutter

Application
- For drilling door handle holes and cutting out lock cylinder andglazing panel cut-outs in solid wood, wood board and panel materials
- For large cutting volumes at medium feed rates
- Surface finish in roughing quality

Design
- Solid tungsten carbide
- TA680247, TA680248: Alternate version with continuous knife
- Positive upwards spiral
- Flat drill tip for circular plunge milling
- Face and peripheral milling for axial plunge cutting and circular milling
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

Art. No.	D	SL	L3	L	d1	Z	DW	DR	n max
TB680521	12	80	3	140	12	3	pos.	re.	30'000
TA680016	16	75	5	130	16	2	pos.	re.	30'000
TB680520	16	95	5	160	16	3	pos.	re.	30'000
TA680094	20	75	5	135	20	3	pos.	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000

Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Axial feed speed vf	Feed speed vf
12 mm	8 – 10 m/min	5 m/min
16 mm	10 – 12 m/min	5 m/min
20 mm	14 – 16 m/min	5 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

VHW TURBEX boring/roughing cutter

Application
- For the circular milling of spyholes and doorknob holes in solid wood, wood board and particle board

Design
- Solid tungsten carbide
- Reamer with 45° countersink
- Positive upwards spiral
- For circular milling
- MEC

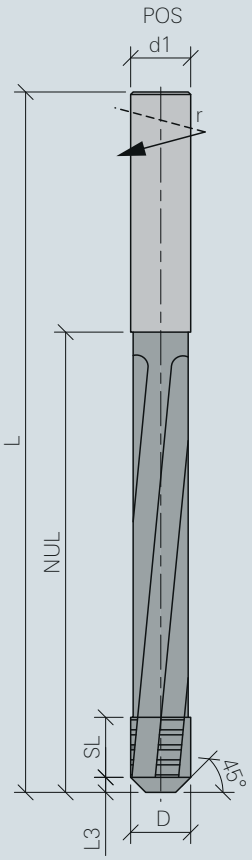
Art. No.	D	SL	NUL	L3	L	d1	Z	DW	DR	n max
TA680015	12	12	82	3	130	12	2	pos.	re.	24'000
TA680014	12	12	92	3	140	12	2	pos.	re.	24'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Soft wood
Processing: Dividing cut

Diameter	Axial feed speed vf	Feed speed vf
12 mm	8 – 10 m/min	5 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



2

Cutter with reversible knives and diamond cutter

WS Shank cutter

Application
- For grooving, jointing and formatting solid wood, wood board and panel materials
- For small cutting volumes at medium feed rates

Design
- Tungsten carbide reversible knives
- Plastic tool body
- Knife clamping wedge
- Knives screwed directly to the tool body
- Face and peripheral milling
- Tungsten carbide cutting knife for lateral plunge-in
- MEC

Art. No.	D	SL	L	d1	Z	DR	n max	Index
TA680020	18	55	125	25	2 (1+1)	re.	18'000	1
TA680021	18	55	125	25	2 (1+1)	li.	18'000	2
TA680022	20	55	125	25	2 (1+1)	re.	18'000	3

Guide line

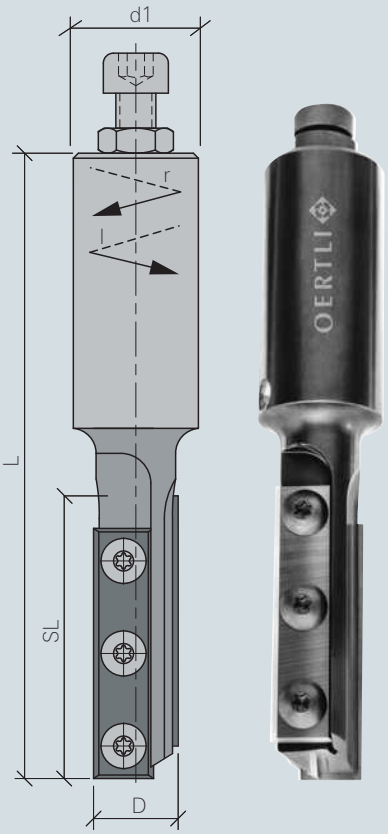
Rotation speed 1/min
18'000
Range of application
Material: Soft wood
Processing: Jointing

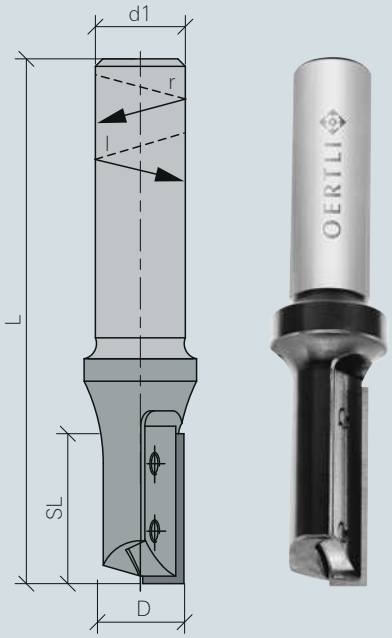
Diameter	Processing depth	Feed speed vf
18 – 20 mm	< 30 mm	10 m/min
18 – 20 mm	> 30 mm	8 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
TA217707	Reversible knives straight, HW B=50 h=12 a=1.7	1, 2
TA851606	Screws for reversible knives, M=4 L=6 type=Torx 15	1, 2





WS Groove cutter

Application
- For grooving and formatting solid wood, wood board and panel materials
- For lateral milling, limited use for axial drilling
- For small cutting volumes at low feed rates
- Surface finish in production quality

Design
- Tungsten carbide reversible knives
- Measuring plate for HSK 63F
- Knife clamping wedge
- With cutting knife for lateral plunge cutting
- Assembly height 3.0 mm
- For periphial milling, for limited axial plunge cutting
- MEC

Art. No.	D	SL	L	d1	Z	DR	n max	Index
TA670530	8	20	70	12	1	re.	24'000	1
TA670531	10	25	75	12	1	re.	24'000	2
TA670532	12	30	80	12	1	re.	24'000	3
TA670534	12	30	80	12	1	li.	24'000	4
TA670535	14	30	80	12	1	re.	24'000	5
TA670640	16	30	81	12	2 (1+1)	re.	24'000	6
TA670644	16	50	116	25	2 (1+1)	re.	24'000	7

Guide line

Rotation speed 1/min
18'000

Range of application
Material: Soft wood
Processing: Jointing

Diameter	Processing depth	Feed speed vf
8 – 12 mm	< 15 mm	6 m/min
8 – 12 mm	> 15 mm	5 m/min
14 – 16 mm	< 15 – 30 mm	8 m/min
14 – 16 mm	> 30 mm	6 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
TA217700	Reversible knives straight, HW B=20 h=4.1 a=1.1	1
TA217702	Reversible knives straight, HW B=30 h=5.5 a=1.1	3-6
TA217703	Reversible knives straight, HW B=50 h=5.5 a=1.1	7
TA217704	Reversible knives straight, HW B=25 h=5.5 a=1.1	2
TA217760	Mortise knives, HW B=12 h=12 a=1.5	6, 7
TA851601	Screws for D=8, M=2.5 L=3 type=Torx 8	1
TA851602	Screws for D=10, M=2.5 L=4 type=Torx 8	2
TA851603	Screws for D=12 & D=14, M=3 L=7 type=Torx 8	3-5
TA851604	Screws for raker D=16, M=3.5 L=5.5 type=Torx 15	6, 7
TA851606	Screws for mortise knives, D=16, M=4 L=6 type=Torx 15	6, 7

DP Boring and router cutter

Application

- For drilling door handle holes and cutting out lock cylinder and glazing panel cut-outs in solid wood, wood board and panel materials
- Surface finish in roughing/finishing quality with a minimum of visible marks from the roughing teeth

Design

- Diamond
- Alternate version featuring large chip space
- Assembly height 5.0 mm
- Face and peripheral milling
- Cutting edge for drilling with 45° bevel for axial and lateral plunge cutting
- High-performance tool body in heavy metal
- MEC

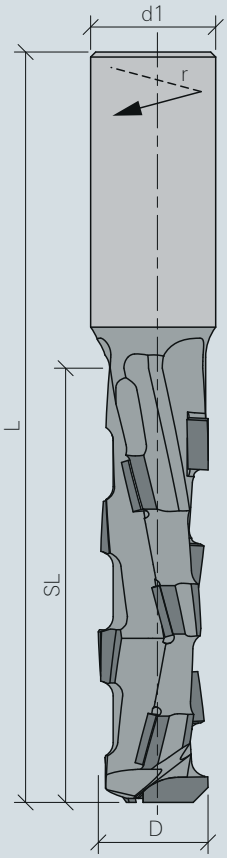
Art. No.	D	SL	L	d1	Z	D1	DR	n max
TB680523	20	85	150	25	1+1	25	re.	24'000
TB680522	22	85	150	25	1+1	25	re.	24'000

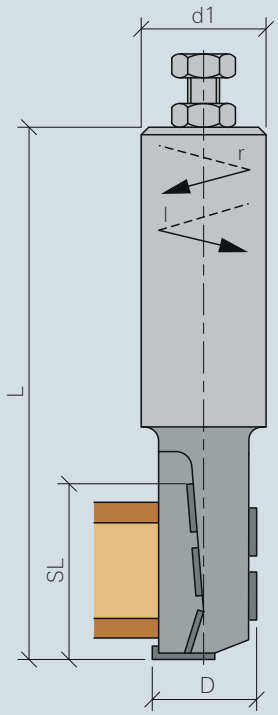
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Chip board
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
20 – 22 mm	< 40 mm	12 – 14 m/min
20 – 22 mm	> 40 mm	8 – 10 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6





DP Shank cutter ECOline black

Application

- For grooving, jointing and formatting raw, uncoated and veneered chipboard and MDF board as well as wood board and panel materials
- For medium feed rates
- Surface finish in production quality
- Surface finish in roughing/finishing quality with a minimum of visible marks from the roughing teeth

Design

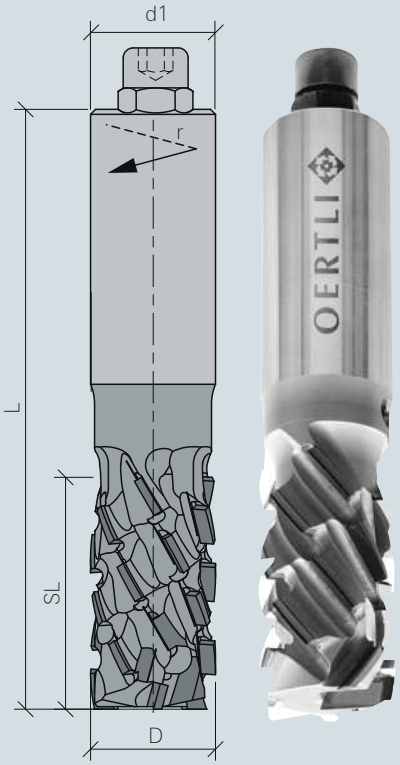
- Diamond
- Alternate version featuring large chip space
- Assembly height 3.0 mm
- Assembly height 4.0 mm
- Face and peripheral milling
- MAN up to a diameter of 12 mm
- MEC as from a diameter of 12 mm

Art. No.	D	SL	L	d1	Z	DR	n max
TB680540	5	12	70	10	1	re.	24'000
TA680247	6	12	70	12	1	re.	24'000
TA680248	8	12	70	12	1	re.	24'000
TB680541	8	25	70	12	2 (1+1)	li.	24'000
TB680542	8	25	70	12	2 (1+1)	re.	24'000
TB680543	10	25	70	12	2 (1+1)	re.	24'000
TB680544	12	28	75	12	2 (1+1)	li.	24'000
TB680545	12	28	75	12	2 (1+1)	re.	24'000
TB680546	16	28	90	16	2 (1+1)	li.	24'000
TB680547	16	28	90	16	2 (1+1)	re.	24'000
TB680548	16	34	95	16	2 (1+1)	li.	24'000
TB680549	16	34	95	16	2 (1+1)	re.	24'000
TB680550	18	28	90	25	2 (1+1)	li.	24'000
TB680551	18	28	90	25	2 (1+1)	re.	24'000
TB680552	18	34	95	25	2 (1+1)	li.	24'000
TB680553	18	34	95	25	2 (1+1)	re.	24'000
TB680554	18	43	100	25	2 (1+1)	li.	24'000
TB680555	18	43	100	25	2 (1+1)	re.	24'000
TB680556	20	28	90	25	2 (1+1)	re.	24'000
TB680557	20	52	110	25	2 (1+1)	re.	24'000

Guide line
Rotation speed 1/min
18'000
Range of application
Material: Chip board
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
6 – 8 mm	< 10 mm	6 m/min
6 – 8 mm	> 10 mm	5 m/min
10 – 12 mm	< 20 mm	8 m/min
10 – 12 mm	> 20 mm	6 m/min
14 – 16 mm	< 25 mm	12 m/min
14 – 16 mm	> 25 mm	10 m/min
18 – 20 mm	< 35 mm	12 m/min
18 – 20 mm	> 35 mm	10 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6



DP Shank cutter SPRINT

Application
- For grooving, jointing and formatting raw, uncoated and veneered chipboard and MDF board as well as wood board and panel materials
- For large cutting volumes at high feed rates
- Surface finish in production quality

Design
- Diamond
- Alternate version featuring large chip space
- Two flute version
- Assembly height 5.0 mm
- Fully tipped with Z=3
- Face and peripheral milling
- Diamond cutting edge for drilling for lateral plunge-in
- High-performance tool body in heavy metal
- MEC

Art. No.	D	SL	L	d1	Z	DR	n max
TB680530	12	24.5	70	16	4 (2+2)	re.	24'000
TB680537	12	27	75	16	4 (2+2)	re.	24'000
TB680531	16	28	95	20	4 (2+2)	re.	24'000
TB680532	16	38	100	20	4 (2+2)	re.	24'000
TB680533	25	28	110	25	6 (3+3)	re.	24'000
TB680534	25	38	110	25	6 (3+3)	re.	24'000
TB680535	25	46	120	25	6 (3+3)	re.	24'000
TB680536	25	55	130	25	6 (3+3)	re.	24'000

Guide line

Rotation speed 1/min
18'000 – 24'000

Range of application
Material: Chip board
Processing: Jointing

Diameter	Processing depth	Feed speed vf
12 mm	< 10 mm	12 m/min
12 mm	> 10 mm	10 m/min
16 mm	< 10 mm	16 m/min
16 mm	> 10 mm	13 m/min
25 mm	< 10 mm	22 m/min
25 mm	> 10 mm	18 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6

DP SPRINT shank cutter

Application

- For formatting and cutting out in raw chipboard, MDF boards, plastic, melamine resin and paper-coated HPL coated and veneered wood materials

Design

- Diamond
- Fully tipped
- Large spiral angle for maximum cutting efficiency
- Diamond cutting edge for drilling for lateral plunge-in
- MEC

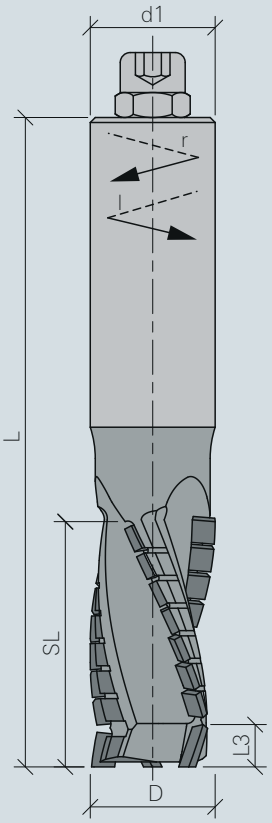
Art. No.	D	SL	L3	L	d1	Z	DR	n max
TA680260	25	28	11	100	25	3	re.	24'000
TA680261	25	28	11	100	25	3	li.	24'000
TA680262	25	45	11	115	25	3	re.	24'000
TA680263	25	45	11	115	25	3	li.	24'000

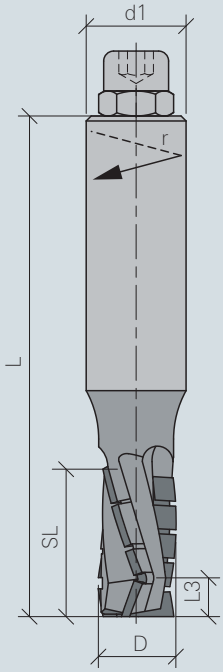
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Chip board
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
12 mm	< 20 mm	14 m/min
12 mm	> 20 mm	12 m/min
16 mm	< 25 mm	16 m/min
16 mm	> 25 mm	14 m/min
25 mm	< 35 mm	16 m/min
25 mm	> 35 mm	14 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6





DP Nesting shank cutter

Application
- For separating, jointing and formatting chipboard, MDF and OSB boards
- For very high feed rates

Design
- Diamond
- Assembly height 4.0 mm
- Face and peripheral milling
- Diamond cutting edge for drilling
- High-performance tool body in heavy metal
- MEC

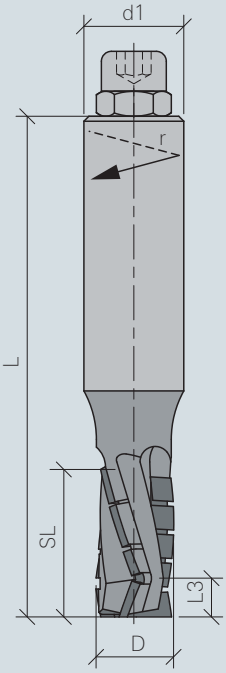
Art. No.	D	SL	L3	L	d1	Z	DR	n max
TA680258	12	22	7	75	12	3	re.	24'000
TA680259	12.7	28	7	85	12	3	re.	24'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Chip board
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
12 –14 mm	16 – 20 mm	20 m/min
12 – 14 mm	20 – 26 mm	18 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6



DP Nesting shank cutter (fibre cement)

Application
- For separating, jointing and formatting fibre cement boards
- For high feed rates
- Surface finish in production quality

Design
- Diamond
- Assembly height 4.0 mm
- Tungsten carbide quality H8 optionally available in H6 quality for use in chipboard
- Face and peripheral milling
- High-performance tool body in heavy metal
- MEC

Art. No.	D	SL	L3	L	d1	Z	DR	n max
TB680500	12	15	5	70	16	3	re.	24'000

Guide line

Rotation speed 1/min
16'000 – 18'000
Range of application
Material: Fiber cement
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
12 mm	< 15 mm	15 – 20 m/min

DP Shank cutter 90° and 135°

Application
- For folding cuts
- For edges with angles of 90° and 45°

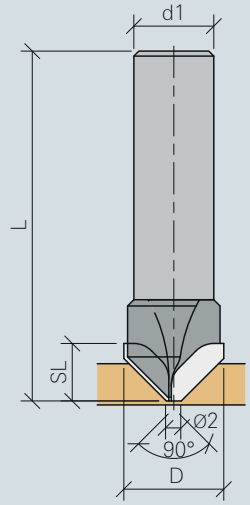
Design
- Diamond
- Assembly height 4.0 mm
- Face and peripheral milling
- MEC

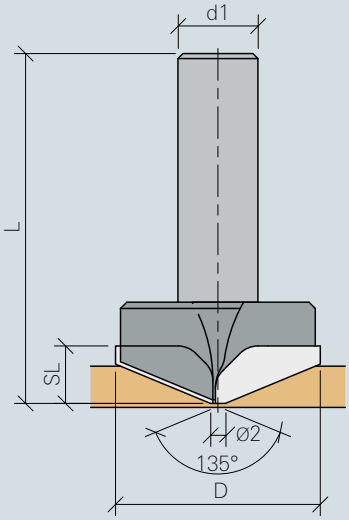
Art. No.	D	SL	L	d1	Z	alpha	n max
TB300023	20	11.5	70	16	2	90°	24'000
TB300022	41	11.5	70	16	2	135°	24'000

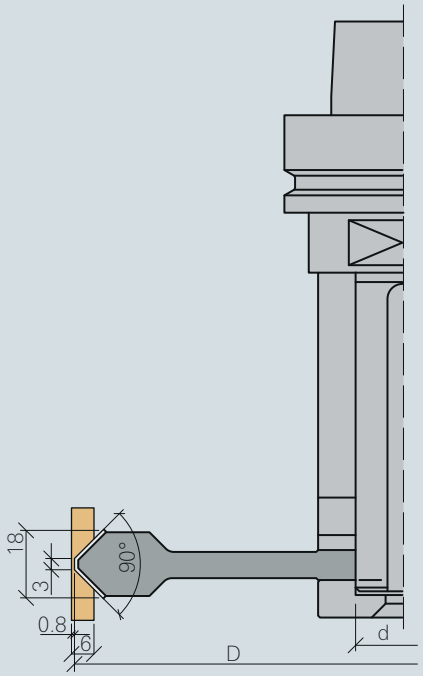
Guide line

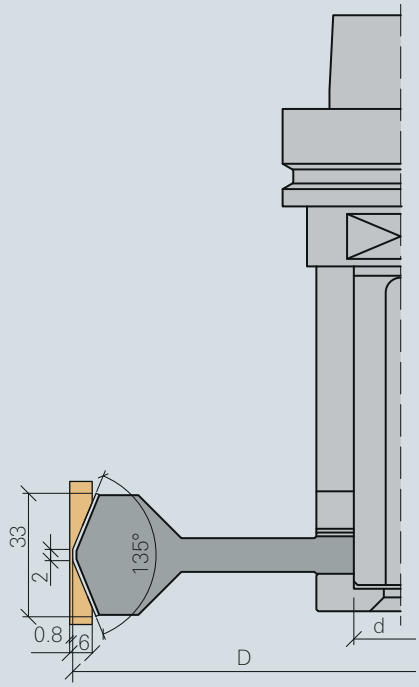
Rotation speed 1/min
12'000 – 16'000
Range of application
Material: Alucobond
Processing: Grooving

Diameter	Feed speed vf
20 – 45 mm	8 m/min









DP Shank cutter 90° and 135°

Application
- For folding cuts
- For edges with angles of 90° and 45°

Design
- Diamond
- Assembly height 4.0 mm
- Face and peripheral milling
- MEC

Art. No.	D	B	d	Z	alpha	n max
TB300024	175	18	25+DKN	8+8	90°	9'000
TB300025	175	33	25+DKN	8+8	135°	9'000

Guide line

Rotation speed 1/min
6'000 – 8'000
Range of application
Material: Alucobond
Processing: Grooving

Diameter	Feed speed vf
175 mm	12 m/min

DP Shank cutter for compact panel

Application
- For cut outs, jointing and formatting of material difficult to process like hard board and Multiplex

Design
- Diamond
- Assembly height for D8-12 = 3 mm, D16 = 5 mm
- With alternate shear cut angle for best cutting quality
- Face and peripheral milling
- Tool body <D16 in VHM, >D16 in steel
- MEC

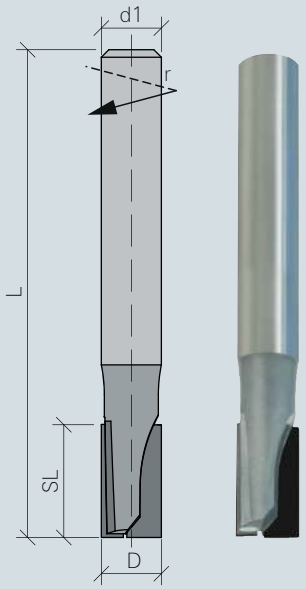
Art. No.	D	SL	L	d1	Z	DR	n max
TB685187	8	15	65	8	2	re.	24'000
TB685188	10	15	75	10	2	re.	24'000
TB685189	12	20	75	12	2	re.	24'000
TB685185	16	20	80	20	2	re.	24'000
TB685186	16	25	85	16	2	re.	24'000

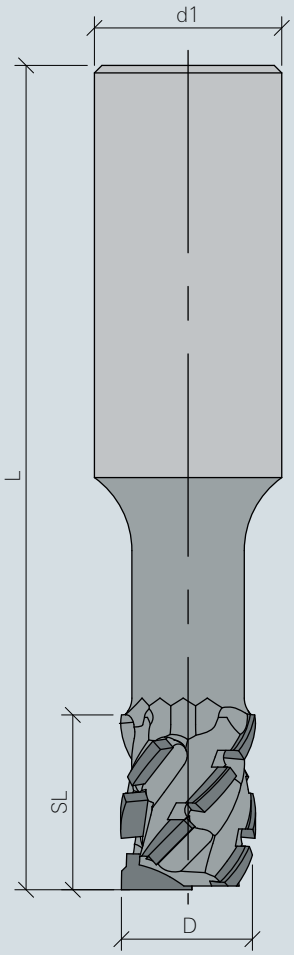
Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Compact panel
Processing: Dividing cut

Diameter	Processing depth	Feed speed vf
8 – 10 mm	< 10 mm	5 m/min
8 – 10 mm	> 10 mm	4 m/min
12 – 16 mm	< 10 mm	7 m/min
12 – 16 mm	10 < 15 mm	6 m/min
12 – 16 mm	15 < 20 mm	5 m/min
12 – 16 mm	> 20 mm	4 m/min

Correction vf	
Soft wood	–
Hardwood	–
Multiplex	1.2
MDF	1.3





DP Hardware cutter

Application
- For hardware millings, striker platemillings

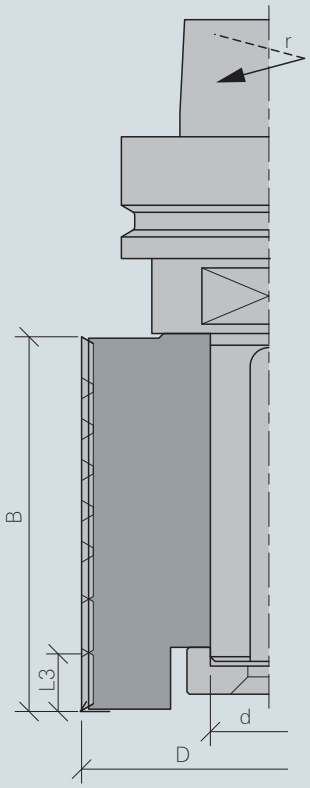
Design
- Diamond
- Assembly height 4.0 mm
- Face and peripheral milling
- Diamond cutting edge for drilling
- MEC

Art. No.	D	SL	L	d1	Z	DR	n max
TB685194	16	11.4	95	16	2+2+1	li.	24'000
TB685195	16	11.4	95	16	2+2+1	re.	24'000
TB685192	18	22.2	110	25	2+2+1	li.	24'000
TB685193	18	22.2	110	25	2+2+1	re.	24'000

WS CASTOR Finish jointing and rebating cutter

Application
- For pre-cutting, jointing, formatting and rebating in solid wood, wood board and panel materials
- For large cutting volumes at high feed rates
- Surface finish in finishing quality with a minimum of visible marks

Design
- Tungsten carbide reversible knives
- Individually profiled support plate
- Carbide quality H6 for solid wood and for use in chipboard
- Spiral knife arrangement for high cutting performance
- Cutting face with spur for rebating
- Face cutting with spur for interpolating and rebating
- Tool body in high-strength aluminium
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC



Art. No.	D	B	L3	d	Z	DW	DR	n max	Index
TB860201	80	80	12	25+DKN	4 (2+2)	neg.	re.	18'000	1
TB860202	80	100		25+DKN	4 (2+2)	neg.	re.	18'000	2

Guide line

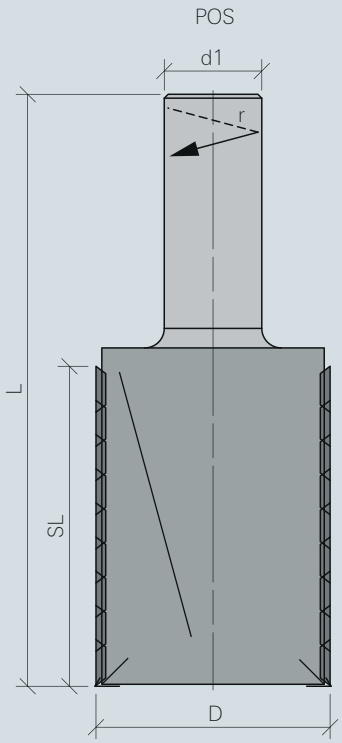
Rotation speed 1/min
18'000
Range of application
Material: Soft wood
Processing: Jointing

Diameter	Processing depth	Feed speed vf
60 mm	< 10 mm	10 m/min
60 mm	10 – 20 mm	8 m/min
60 mm	> 20 mm	6 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0	1, 2
KF220017H6	Reversible knives SPRINT OERTLI H6, HW B=13.8 h=13.8 a=2.5 R=40	1, 2
TA851038	Screws for KF216009, M=5 L=6.3 type=Torx 15	1, 2
TA851039	Screws for spur knives, M=5 L=12 type=Torx 15	1, 2
TA851040	Screws for reversible knives CASTOR, M=5 L=15.5 type=Torx 20	1, 2



WS CASTOR SPRINT rebating cutter

Application
- For rebating, precutting, jointing in solid wood and panel material
- For large cutting volumes at very high feed rates
- Surface finish in finishing quality with a minimum of visible marks

Design
- Tungsten carbide reversible knives
- Individually profiled support plate
- Constant dimensions
- Spiral knife arrangement for high cutting performance
- Cutting face with spur for rebating
- Negative spiral angle conducting chips downwards
- MEC

Art. No.	D	SL	L	d1	Z	DW	DR	n max	Index
TB860107	45	80	145	20	4 (2+2)	neg.	re.	24'000	1
TB860104	60	52	117	25	4 (2+2)	neg.	re.	24'000	2
TB860102	60	82	147	25	4 (2+2)	neg.	re.	24'000	3
TB860103	60	132	197	25	4 (2+2)	neg.	re.	15'400	4

Guide line

Rotation speed 1/min
15'000 – 18'000

Range of application
Material: Soft wood
Processing: Rebating

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Diameter	Processing depth	Feed speed vf
45 – 60 mm	< 40 mm	15 m/min
45 – 60 mm	40 – 80 mm	12 m/min
45 – 60 mm	> 80 mm	8 m/min

Spare parts

Art.No.		Index
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0	1-4
KF220017H6	Reversible knives SPRINT OERTLI H6, HW B=13.8 h=13.8 a=2.5 R=40	1-4
TA851038	Screws for KF216009, M=5 L=6.3 type=Torx 15	1-4
TA851040	Screws for reversible knives CASTOR, M=5 L=15.5 type=Torx 20	1-4

WS CASTOR SPRINT milling cutter

Application
- For precutting, jointing and formatting in solid wood and panel material
- For large cutting volumes at very high feed rates
- Surface finish in finishing quality with a minimum of visible marks

Design
- Tungsten carbide reversible knives
- Individually profiled support plate
- Constant dimensions
- Alternating positive upwards and negative downwards spirals
- Spiral knife arrangement for high cutting performance
- MEC

Art. No.	D	SL	L	d1	Z	DW	DR	n max
TB860108	45	80	150	20	4 (2+2)	neg.	re.	24'000

Guide line

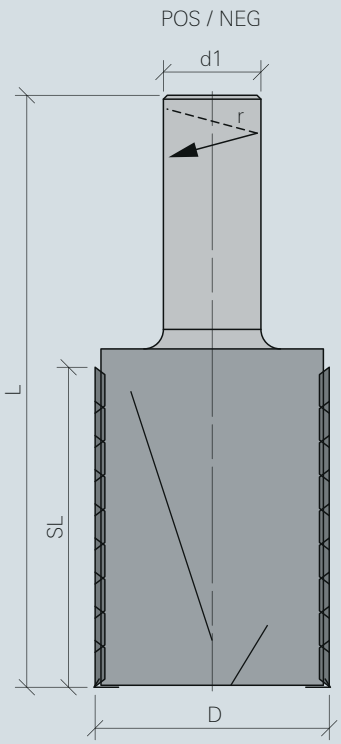
Rotation speed 1/min
15'000 – 18'000
Range of application
Material: Soft wood
Processing: Jointing

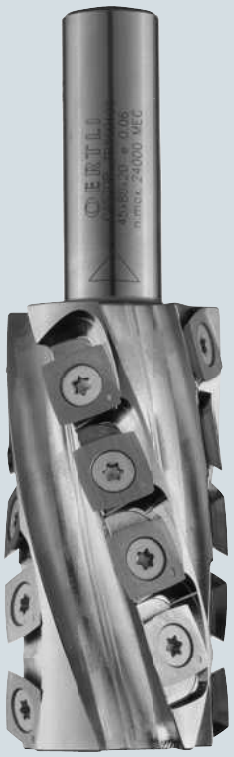
Diameter	Processing depth	Feed speed vf
45 mm	< 40 mm	15 m/min
45 mm	> 40 mm	12 m/min

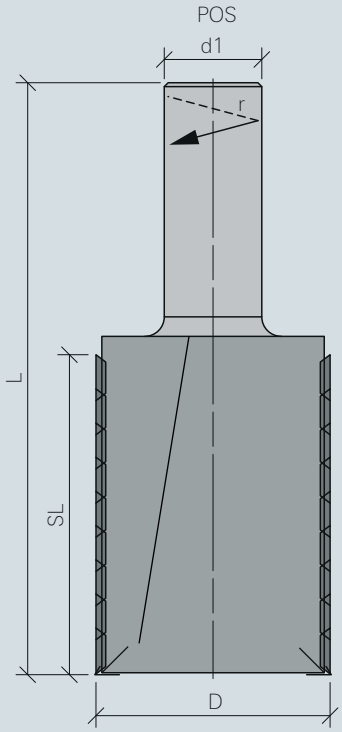
Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.	
KF220017H6	Reversible knives SPRINT OERTLI H6, HW B=13.8 h=13.8 a=2.5 R=40
TA851040	Screws for reversible knives CASTOR, M=5 L=15.5 type=Torx 20







WS CASTOR SPRINT boring cutter

Application
- For circular milling, precutting, jointing, formatting and rebatting in solid wood and panel material
- For large cutting volumes at high feed rates
- Surface finish in finishing quality with a minimum of visible marks
- For circular milling D = ca. 10 mm larger

Design
- Tungsten carbide reversible knives
- Individually profiled support plate
- Constant dimensions
- Spiral knife arrangement for high cutting performance
- Positive spiral angle for optimum chip removal
- Face cutting with spur for interpolating and rebating
- MEC

Art. No.	D	SL	L	d1	Z	DW	DR	n max	Index
TB860106	45	80	140	20	4 (2+2)	pos.	re.	24'000	1
TB860110	61	50	110	25	4 (2+2)	pos.	re.	24'000	2
TB860105	61	100	160	25	4 (2+2)	pos.	re.	24'000	3
TB860109	61	130	190	25	4 (2+2)	pos.	re.	16'300	4

Guide line

Rotation speed 1/min
12'000 – 16'000

Range of application
Material: Soft wood
Processing: Circular drilling

Diameter	Processing depth	Feed speed vf
45 – 61 mm	< 40 mm	15 m/min
45 – 61 mm	40 – 80 mm	12 m/min
45 – 61 mm	> 80 mm	8 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0	1, 3, 4
KF216013	Spur knives OERTLI, HW B=16 h=16 a=3.0	2, 3, 4
KF220017H6	Reversible knives SPRINT OERTLI H6, HW B=13.8 h=13.8 a=2.5 R=40	1, 3, 4
TA851032	Screws for KF216013, M=5 L=11 type=Torx 15	2, 3, 4
TA851038	Screws for KF216009, M=5 L=6.3 type=Torx 15	1, 3, 4
TA851040	Screws for reversible knives CASTOR, M=5 L=15.5 type=Torx 20	1, 3, 4

WS Jointing cutter

Application
- For jointing door leaves, solid wood, wood board and panel materials

Design
- Tungsten carbide reversible knives
- Knife clamping wedge
- Carbide quality H6
- Knives with alternate shear cut angle
- Tool body in aluminium
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	B	d	Z	n max	Index
TA106011	110	60	25+DKN	4 (2+2)	13'100	1
TB300136	110	70	25+DKN	4 (2+2)	13'100	2

Guide line

Rotation speed 1/min
13'000

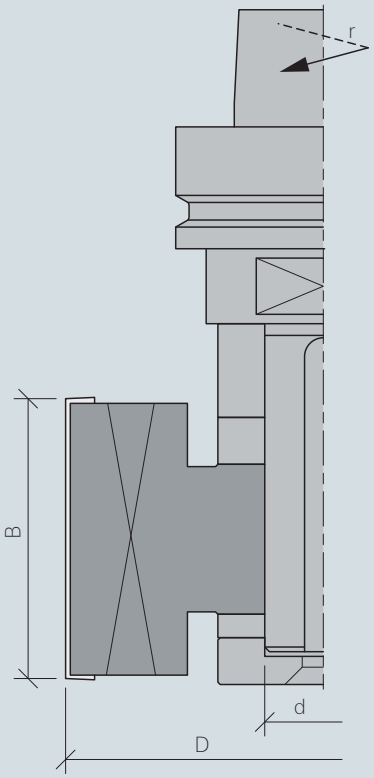
Range of application
Material: Soft wood
Processing: Jointing

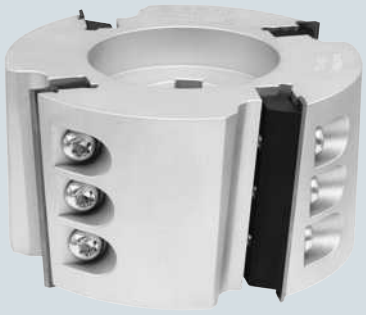
Diameter	Processing depth	Feed speed vf
110 mm	< 10 mm	10 m/min
110 mm	10 – 20 mm	8 m/min
110 mm	> 20 mm	6 m/min

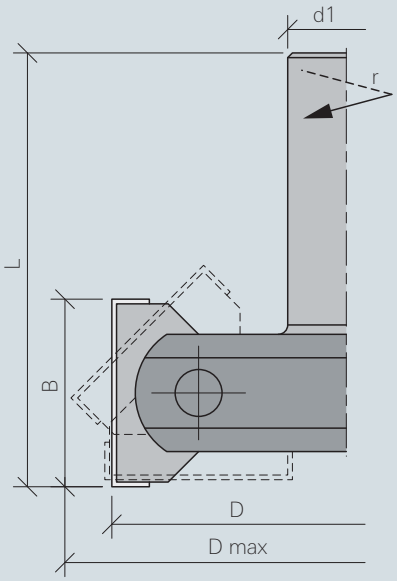
Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KG217060	Reversible knives straight OERTLI H8, HW B=60 h=8 a=1.5	1
KG217060H6	Reversible knives straight OERTLI H6, HW B=60 h=8 a=1.5	1
KG217070	Reversible knives straight OERTLI H8, HW B=70 h=8 a=1.5	2
KG217070H6	Reversible knives straight OERTLI H6, HW B=70 h=8 a=1.5	2
TA950933	Gib for B=60/62, L=60 type=+5°	1
TA950934	Gib for B=60/62, L=60 type=-5°	1
TA950936	Gib for B=70, L=70 type=+5°	2
TA950937	Gib for B=70, L=70 type=-5°	2
TB851013	Screws for raker pressure jaw, M=6 L=20 type=Torx 25	1, 2







WS Variable angle cutterhead

Application
- Universal cutter for jointing and bevelling in solid wood, wood board and panel materials

Design
- Tungsten carbide reversible knives
- Tool body in steel
- Pivoted knife holder
- Swivel range up to 45° upwards and up to 90° downwards
- Swivel range infinitely adjustable as per scale and 7.5° grid
- MEC

Art. No.	D	B	d1	L	DR	D max	Z	n max
TA454424	100	40	25	92	re.	118	2	12'000

Guide line

Rotation speed 1/min
8'000 – 11'000
Range of application
Material: Soft wood
Processing: Jointing

Diameter	Processing depth	Feed speed vf
100 mm	< 10 mm	10 m/min
100 mm	10 – 20 mm	8 m/min
100 mm	> 20 mm	6 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.	
TA217724	Reversible knives straight H8, HW B=40 h=12 a=1.5
TA219714	Reversible knives straight H6, HW B=40 h=12 a=1.5
TA851487	Set screws for gib, M=6 L=8 type=ISK 3
TB850971	Gib for B=40, L=38

DP Shank cutter SPRINT

Application
- For jointing and formatting raw, uncoated and veneered chipboard and MDF board as well as wood board and panel materials
- For large cutting volumes at very high feed rates
- Surface quality with very fine finish and perfect edge quality

Design
- Diamond
- Single-edge version
- Assembly height 4.5 mm
- Version for rebating
- Symetric knife geometry
- MEC

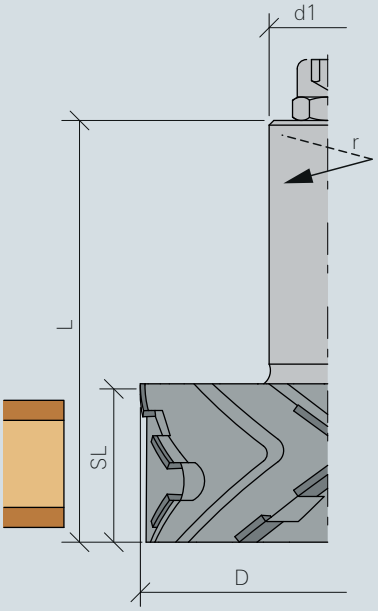
Art. No.	D	SL	L	d1	Z	DR	n max
TB300149	80	25	85	25	6 (3+3)	re.	16'000
TB300135	80	32	90	25	6 (3+3)	re.	16'000
TB300150	80	81.5	145	25	6 (3+3)	re.	15'000

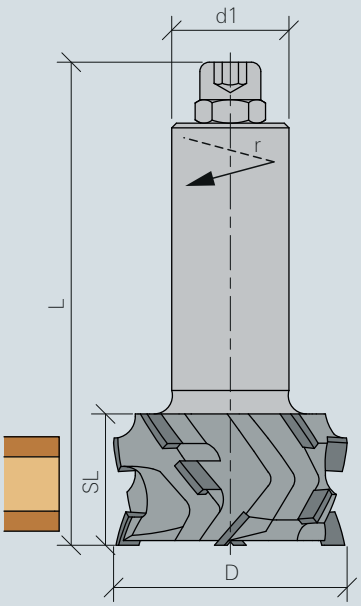
Guide line

Rotation speed 1/min
18'000
Range of application
Material: Chip board
Processing: Jointing

Diameter	Processing depth	Feed speed vf
80 mm	< 10 mm	25 m/min
80 mm	> 10 mm	20 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6





DP Jointing cutter SPRINT

Application
- For jointing, formatting and rebating raw, uncoated and veneered chipboard and MDF board as well as wood board and panel materials
- For large cutting volumes at very high feed rates
- Surface finish in production quality
- Surface quality with very fine finish and perfect edge quality

Design
- Diamond
- Single-edge version
- Assembly height 5.0 mm
- In the outer areas at top and bottom Z=4 for high feed rate and and perfect edge quality
- On the Inside and in the central position/areas Z=2 to reduce dust formation
- Face milling for rebating
- Symetric knife geometry
- MEC

Art. No.	D	SL	L	d1	Z	DR	n max
TB680600	50	22	85	40	4+2+4	re.	24'000
TB680601	50	28	90	25	4+2+4	re.	24'000
TB680602	50	48	110	25	4+2+4	re.	24'000

Guide line

Rotation speed 1/min
18'000 – 24'000
Range of application
Material: Chip board
Processing: Jointing

Diameter	Processing depth	Feed speed vf
50 mm	< 10 mm	25 m/min
50 mm	> 10 mm	20 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6

DP Jointing cutter

Application
- For milling of panel material

Design
- Diamond
- Knives with alternate shear cut angle
- Milling body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- Large regrinding area
- MEC

Art. No.	D	B	d	Z	n max
TA176414	70	25-27	25+DKN	12 (3+6+3)	23'000
TA176413	70	27-33	25+DKN	12 (3+6+3)	23'000

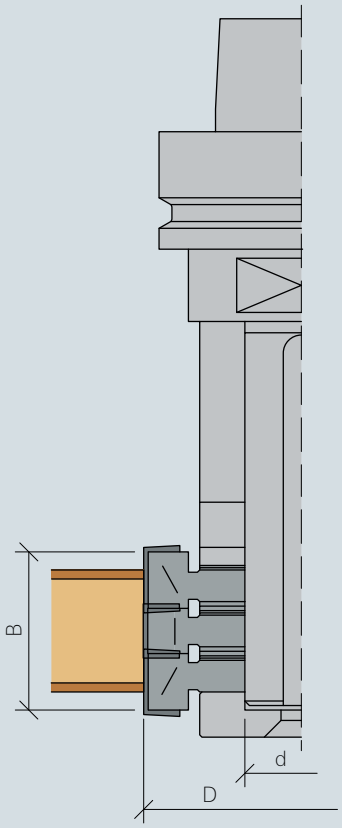
Guide line

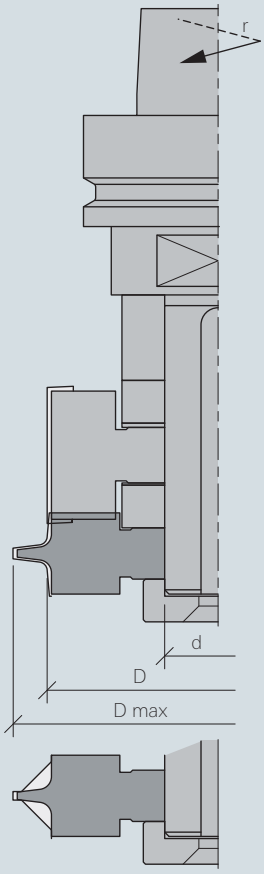
Rotation speed 1/min
18'000

Range of application
Material: Chip board
Processing: Jointing

Diameter	Processing depth	Feed speed vf
70 mm	< 10 mm	20 m/min
70 mm	> 10 mm	15 m/min

Correction vf	
Soft wood	–
Hardwood	0.6
Multiplex	0.7
MDF	0.6





PS rounding/bevel cutter

Application
- For one-sided or two-sided rounding and bevelling in solid wood, wood board and panel materials

Design
- Tungsten carbide reversible knives
- Knife clamping wedge
- Edge rounding knife R 2 to 6 mm
- Bevel cutting 45°
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- Suitable for planing cutter D=80
- MEC

Art. No.	D	d	Z	R	alpha	D max	n max	Index
TB300011	80	25+DKN	2	2.0		96	15'100	1
TB300012	80	25+DKN	2	3.0		96	15'100	2
TB300013	80	25+DKN	2	4.0		96	15'100	3
TB300014	80	25+DKN	2	5.0		96	15'100	4
TB300015	80	25+DKN	2	6.0		96	15'100	5
TB300016	80	25+DKN	2		5x45°	96	15'100	6

Guide line

Rotation speed 1/min
15'000

Range of application
Material: Soft wood
Processing: Jointing

Diameter	Feed speed vf
80 mm	12 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KP133041	Profile knives R=2, HW B=20	1
KP133042	Profile knives R=3, HW B=20	2
KP133043	Profile knives R=4, HW B=20	3
KP133044	Profile knives R=5, HW B=20	4
KP133045	Profile knives R=6, HW B=20	5
KP133046	Profile knives 45°, HW B=20	6
TA851590	Set screws for gib, M=6 L=16 type=Torx 15	1-6
TB851100	Gib rounding/chamfer, B=17	1-6

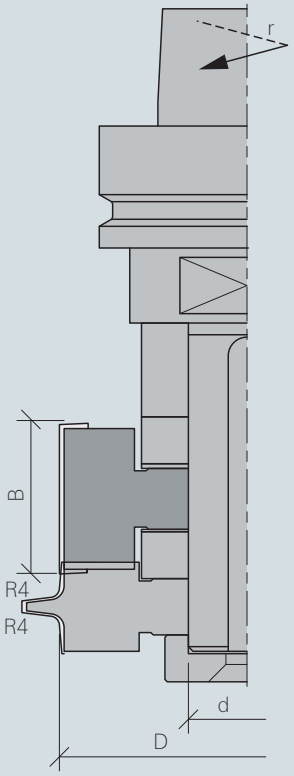
WS Jointing cutter

Application

- For jointing and as a combination for one-sided and double-sided rounding, bevelling and jointing in solid wood, wood board and panel materials

Design

- Tungsten carbide reversible knives
- Knife clamping wedge
- Carbide quality H6
- With shear cut angle
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- Base diameter 80 mm
- Suitable for bevel and edge rounding cutters D80 mm
- MEC



Art. No.	D	B	d	Z	n max
TB300101	80	50	25+DKN	2	18'000

Guide line

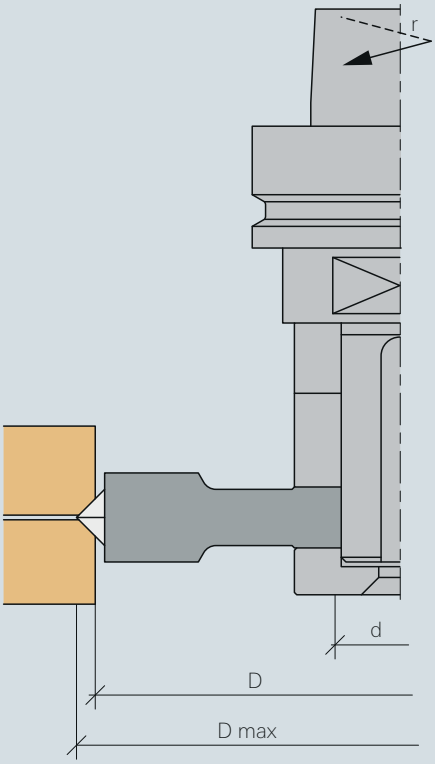
Rotation speed 1/min
16'000 – 17'000
Range of application
Material: Soft wood
Processing: Jointing

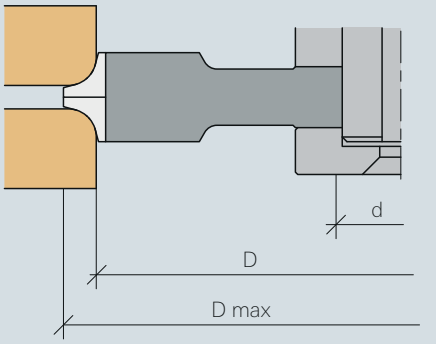
Diameter	Processing depth	Feed speed vf
80 mm	< 5 mm	10 m/min
80 mm	> 5 mm	8 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.	
KG217050	Reversible knives straight OERTLI H8, HW B=50 h=8 a=1.5
KG217050H6	Reversible knives straight OERTLI H6, HW B=50 h=8 a=1.5
TA851549	Set screws for gib, M=6 L=12 type=Torx 15
TB850966	Gib for B=50, L=50





WS double rounding and bevel cutter

Application

- For one-sided or two-sided rounding and bevelling in solid wood, wood board and panel materials

Design

- Tungsten carbide reversible knives
- Knife clamping wedge
- Edge rounding knife R 1.5 to 6 mm
- Bevel cutting 45°
- Standard equipment with 45° bevel
- Optional available with edge rounding knife
- Knives with shear cut angle
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	d	Z	alpha	D max	n max
TA104001	130	25+DKN	4 (2+2)	45°	144	10'000

Guide line

Rotation speed 1/min
10'000
Range of application
Material: Soft wood
Processing: Jointing

Diameter	Feed speed vf
130 mm	12 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.	
KF216140	Reversible knives top R=2.5 OERTLI, HW B=6.0 Tmax.=6.0
KF216142	Reversible knives bottom R=2.5 OERTLI, HW B=6.0 Tmax.=6.0
KF216150	Reversible knives top R=1.5 OERTLI, HW B=6.0 Tmax.=6.0
KF216152	Reversible knives bottom R=1.5 OERTLI, HW B=6.0 Tmax.=6.0
KF216579	Reversible knives top R=2 OERTLI, HW B=6.0 Tmax.=6.0
KF216580	Reversible knives bottom R=2 OERTLI, HW B=6.0 Tmax.=6.0
KF216629	Reversible knives top 45° OERTLI, HW B=6.0
KF216630	Reversible knives bottom 45° OERTLI, HW B=6.0
KF216637	Reversible knives top R=3 OERTLI, HW B=6.0 Tmax.=6.0
KF216638	Reversible knives bottom R=3 OERTLI, HW B=6.0 Tmax.=6.0
KF216682	Reversible knives top R=4 OERTLI, HW B=9.5 Tmax.=7.0
KF216683	Reversible knives top R=5 OERTLI, HW B=9.5 Tmax.=7.0
KF216684	Reversible knives top R=6 OERTLI, HW B=9.5 Tmax.=7.0
KF216685	Reversible knives bottom R=4 OERTLI, HW B=9.5 Tmax.=7.0
KF216686	Reversible knives bottom R=5 OERTLI, HW B=9.5 Tmax.=7.0
KF216687	Reversible knives bottom R=6 OERTLI, HW B=9.5 Tmax.=7.0
TA851074	Screws for R1.5 / R2 / R2.5 / R3 / 45°, M=4 L=10 type=Torx 15
TA851077	Screws for R4 / R5 / R6, M=4 L=16 type=Torx 15

WS double bevel cutter 45°

Application
- For one-sided or two-sided rounding and bevelling in solid wood, wood board and panel materials

Design
- Tungsten carbide reversible knives
- Knife clamping wedge
- 2 knives above and 2 knives below for selective knife change
- Bevel cutting with 4 cutting edges
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	d	Z	alpha	D max	n max
TA104002	130	25+DKN	4 (2+2)	7x45°	146	10'000

Guide line

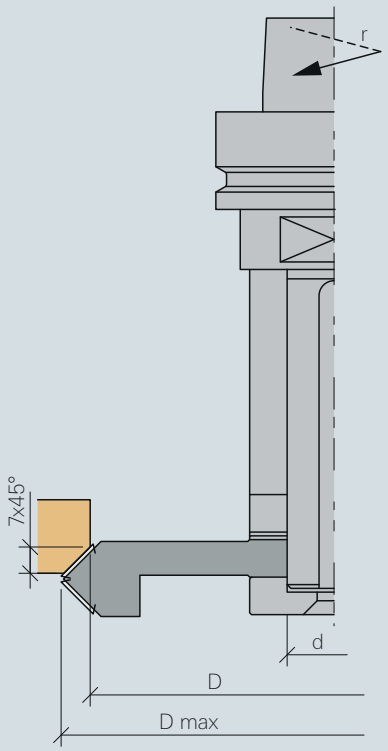
Rotation speed 1/min
10'000
Range of application
Material: Soft wood
Processing: Jointing

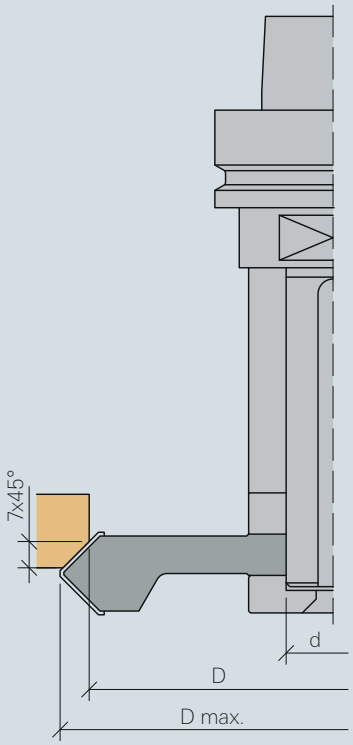
Diameter	Feed speed vf
130 mm	12 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.	
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0
TA851038	Screws for KF216009, M=5 L=6.3 type=Torx 15





DP Double bevel cutter 45°

Application
- For one-sided or two-sided rounding and bevelling in wood board and panel materials

Design
- Diamond
- Assembly height 5.0 mm
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	d	Z	alpha	D max	n max
TB300026	130	25+DKN	4 (2+2)	7x45°	146	10'000

Guide line

Rotation speed 1/min
10'000

Range of application

Material	Feed speed vf
MDF, HDF	15 – 18 m/min
Veneer length-grain	12 – 15 m/min
Veneer cross-grain	10 – 12 m/min

3

Door machining

DP Pre-cutter

Application

- For jointing, pre-cutting and bevelling of abrasive ceiling panels in MDF, HDF, veneer, with or without aluminium insert
- For large cutting volumes at high feed rates
- Surface quality with very fine finish and perfect edge quality
- Any part pre-cut with diamond cutters should not be finished with reversible knife cutters

Design

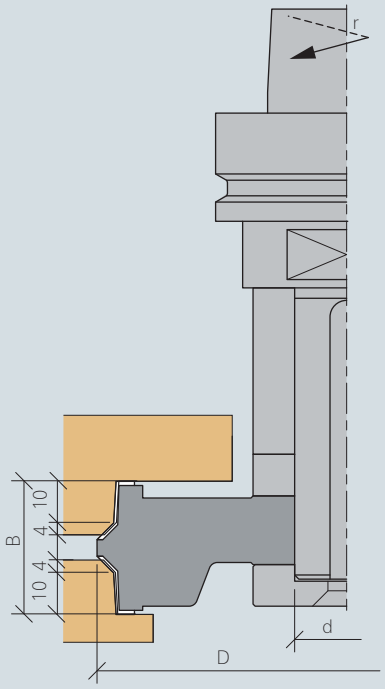
- Diamond
- Fully tipped
- Cutting edges in special CMX quality for maximum tool life when machining ETERNIT
- With alternate shear cut angle for best cutting quality
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

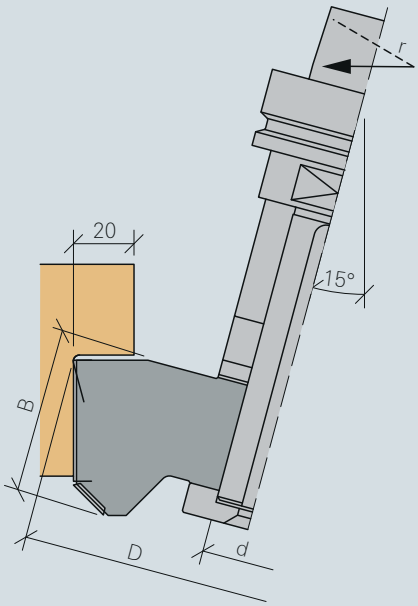
Art. No.	D	B	d	Z	DR	n max
TB680511	148	32	25+DKN	3	re.	9'500

Guide line

Rotation speed 1/min
9'500
Range of application

Material	Feed speed vf
MDF, HDF	15 – 18 m/min
Veneer length-grain	12 – 15 m/min
Veneer cross-grain	10 – 12 m/min





Rebating-/ jointing cutter 15°

Application
- For jointing and rebating in solid wood, wood board and panel materials

Design
- Tungsten carbide reversible knives
- Tungsten carbide profile knives
- Knife clamping wedge
- Raker knife in tungsten carbide quality H8 for solid wood, optional available H6 for for use in chipboard
- Tool body in aluminium
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	B	d	Z	DR	n max
TB300027	140	46	25+DKN	2	re.	10'300

Guide line
Rotation speed 1/min
9'000 – 10'000
Range of application
Material: Soft wood
Processing: Jointing

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Diameter	Feed speed vf
120 – 160 mm	12 – 15 m/min

Spare parts

Art.No.	
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0
KG217040	Reversible knives straight OERTLI H8, HW B=40 h=8 a=1.5
KG217040H6	Reversible knives straight OERTLI H6, HW B=40 h=8 a=1.5
KP404365	Rounding spur knives profile H8, HW B=20
KP404365H6	Rounding spur knives profile H6, HW B=20
TA851039	Screws for spur knives, M=5 L=12 type=Torx 15
TA851341	Set screws for clamping wedge, M=6 L=18 type=Torx 15
TA950379	Clamping wedges for rounding spur knives profile
TA950384	Gib for rounding spur knives profile, B=20
TA950920	Gib for raker L=44 type=+/-5°
TB851013	Screws for raker pressure jaw, M=6 L=20 type=Torx 25

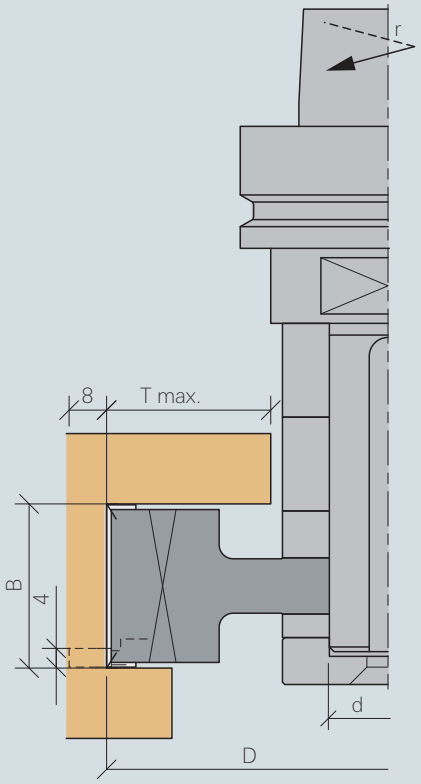
WS Universal rebating cutter

Application

- For rebating and grooving in solid wood along and across the gain, in wood board and panel materials

Design

- Tungsten carbide reversible knives
- Knife clamping wedge
- With plane spur on both sides
- Standard equipment without grooving knives
- With knife system for tungsten carbide grooving knife
- Raker knife in tungsten carbide quality H8 for solid wood, optional available H6 for for use in chipboard
- Knives with alternate shear cut angle
- Tool body B35 mm in steel
- Tool body B>35 mm in high-strength aluminium
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC



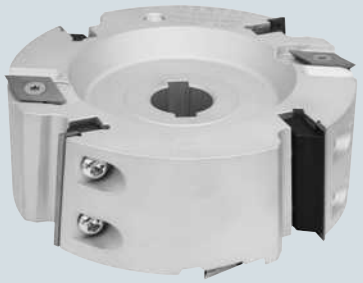
Art. No.	D	B	d	Z	T max	n max	Index
TA020038	120	35	25+DKN	8 (2+4+2)	35	10'600	1
TA020039	140	35	25+DKN	8 (2+4+2)	45	9'300	2
TA020037	140	52	25+DKN	8 (2+4+2)	45	9'300	3
TB300137	140	62	25+DKN	8 (2+4+2)	45	9'300	4

Guide line

Rotation speed 1/min
9'000 – 10'500
Range of application
Material: Soft wood
Processing: Rebating

Diameter	Feed speed vf
120 – 160 mm	10 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



Spare parts

Art.No.		Index
KF216013	Spur knives OERTLI, HW B=16 h=16 a=3.0	1-4
KG217030	Reversible knives straight OERTLI H8, HW B=32 h=8 a=1.5	1, 2
KG217030H6	Reversible knives straight OERTLI H6, HW B=32 h=8 a=1.5	1, 2
KG217050	Reversible knives straight OERTLI H8, HW B=50 h=8 a=1.5	3
KG217050H6	Reversible knives straight OERTLI H6, HW B=50 h=8 a=1.5	3
KG217060	Reversible knives straight OERTLI H8, HW B=60 h=8 a=1.5	4
KG217060H6	Reversible knives straight OERTLI H6, HW B=60 h=8 a=1.5	4
KN855250	Grooving knives OERTLI, HW B=4.0 Tmax.=9.0	1-4
KN855322	Grooving knives OERTLI, HW B=4.5 Tmax.=9.0	1-4
KN855362	Grooving knives OERTLI, HW B=5.0 Tmax.=9.0	1-4
TA851032	Screws for KF216013, M=5 L=11 type=Torx 15	1, 2
TA851046	Screws for KF216013, M=5 L=11 type=Torx 15	3, 4
TA851098	Screws for grooving knives, M=6 L=8 type=ISK 4	1, 2

Spare parts

Art.No.		Index
TA851100	Screws for grooving knives, M=6 L=12 type=ISK 4	3, 4
TA851283	Shims for grooving knives B=0.1	1-4
TA851284	Shims for grooving knives B=0.2	1-4
TA851285	Shims for grooving knives B=0.5	1-4
TA851290	Setting jig W1/W11/W7	1-4
TA950916	Gib for B=35, L=29.1 type=-10°	1, 2
TA950917	Gib for B=35, L=29.5 type=20°	1, 2
TA950931	Gib for B=52, L=50 type=5°	3
TA950932	Gib for B=52, L=50 type=-5°	3
TA950933	Gib for B=60/62, L=60 type=+5°	4
TA950934	Gib for B=60/62, L=60 type=-5°	4
TB851013	Screws for raker pressure jaw, M=6 L=20 type=Torx 25	1-4

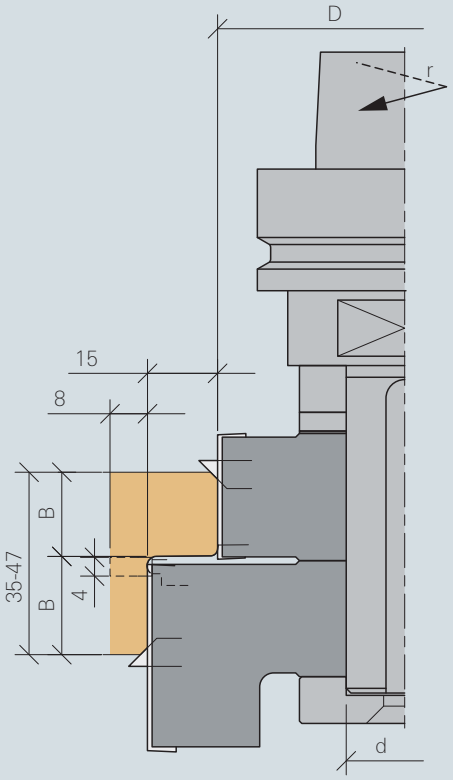
WS Jointing and rebating cutter set

Application

- For rebating doors in solid wood along and across the gain, wood board and panel materials

Design

- Tungsten carbide reversible knives
- Knife clamping wedge
- Standard equipment without grooving knives
- With edge-rounding plane spur
- With knife system for tungsten carbide grooving knife
- With 45° bevel knife at top and bottom
- Optional available with edge rounding knife R 1.5, 2.0, 2.5 or 3.0 mm
- Raker knife in tungsten carbide quality H8 for solid wood, optional available H6 for for use in chipboard
- Knives with shear cut angle
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC



Art. No.	D	B	d	Z	T max	n max	Index
TB300100	80	14-20	25+DKN	4 (2+2)	15	12'800	1
TA286409	110	21-27	25+DKN	8 (2+2+2+2)	30	11'500	2

Guide line

Rotation speed 1/min
10'000 – 11'500
Range of application
Material: Soft wood
Processing: Rebating

Diameter	Feed speed vf
80 – 120 mm	8 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KF216140	Reversible knives R=2.5 OERTLI, HW B=6.0 Tmax.=6.0	2
KF216142	Reversible knives R=2.5 OERTLI, HW B=6.0 Tmax.=6.0	1
KF216150	Reversible knives R=1.5 OERTLI, HW B=6.0 Tmax.=6.0	2
KF216152	Reversible knives R=1.5 OERTLI, HW B=6.0 Tmax.=6.0	1
KF216398	Rounding spur knives OERTLI, HW R=2.0 / 1.5	2
KF216579	Reversible knives R=2 OERTLI, HW B=6.0 Tmax.=6.0	2
KF216580	Reversible knives R=2 OERTLI, HW B=6.0 Tmax.=6.0	1
KF216629	Reversible knives 45° OERTLI, HW B=6.0	2
KF216630	Reversible knives 45° OERTLI, HW B=6.0	1
KF216637	Reversible knives R=3 OERTLI, HW B=6.0 Tmax.=6.0	2
KF216638	Reversible knives R=3 OERTLI, HW B=6.0 Tmax.=6.0	1
KG217025	Reversible knives straight OERTLI H8, HW B=25 h=8 a=1.5	1
KG217025H6	Reversible knives straight OERTLI H6, HW B=25 h=8 a=1.5	1

Spare parts

Art.No.		Index
KG217040	Reversible knives straight OERTLI H8, HW B=40 h=8 a=1.5	2
KG217040H6	Reversible knives straight OERTLI H6, HW B=40 h=8 a=1.5	2
KN855249	Grooving knives OERTLI, HW B=4.0 Tmax.=9.0	2
KN855321	Grooving knives OERTLI, HW B=4.5 Tmax.=9.0	2
KN855361	Grooving knives OERTLI, HW B=5.0 Tmax.=9.0	2
TA850062	Shim set for four-corner knives, B=2x0.1/0.5/1.0/5.0 + 4x0.2/2.0	1, 2
TA851017	Screws for rounding spur knives OERTLI, M=5 L=11 type=Torx 15	2
TA851074	Screws for R1.5 / R2 / R2.5 / R3 / 45°, M=4 L=10 type=Torx 15	1, 2
TA851098	Screws for grooving knives, M=6 L=8 type=ISK 4	2
TA851283	Shims for grooving knives B=0.1	2
TA851284	Shims for grooving knives B=0.2	2
TA851285	Shims for grooving knives B=0.5	2
TA851549	Set screws for gib, M=6 L=12 type=Torx 15	1
TA950929	Gib for B=40, L=40 type=+5°	2
TB850963	Gib for raker, L=25	1
TB851013	Screws for raker pressure jaw, M=6 L=20 type=Torx 25	2

PS gear cutter

Application
- For cutting the Treplan or Tribloc gear groove

Design
- Tungsten carbide profile knives
- Knife clamping wedge
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- Profiled knife can be used in the same tool body for Treplan and Tribloc profiles
- MEC

Art. No.	Type	D	B	d	Z	DR	n max	Index
TA230100	Treplan	120	18.3/13.3	25+DKN	2	re.	10'000	1
TA230101	Tribloc	120	20.3/15.3	25+DKN	2	re.	10'000	2

Guide line

Rotation speed 1/min
10'000

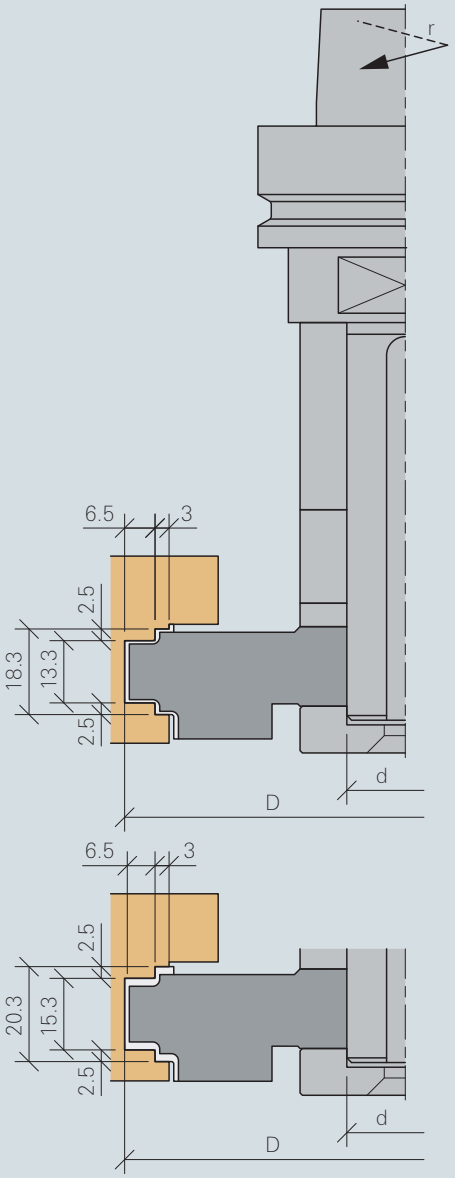
Range of application
Material: Soft wood
Processing: Grooving

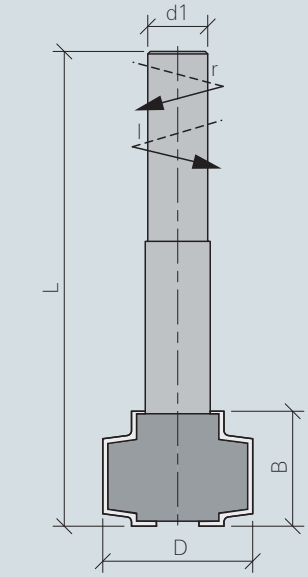
Diameter	Feed speed vf
120 mm	10 m/min

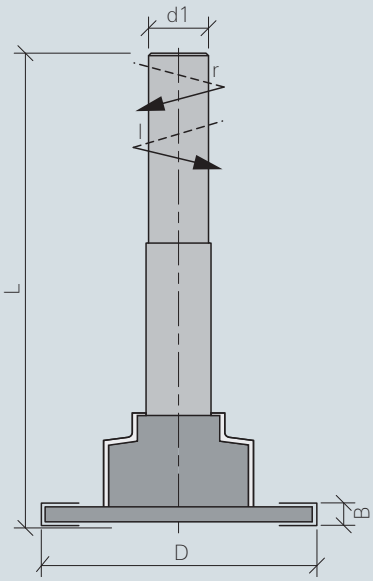
Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1

Spare parts

Art.No.		Index
KP223901	Profile knives Treplane, HW B=25 type=18.3/13.3	1
KP223902	Profile knives Tribloc, HW B=25 type=20.3/15.3	2
TA851341	Set screws for clamping wedge, M=6 L=18 type=Torx 15	1, 2
TA950379	Clamping wedges for profile knives	1, 2
TA950385	Gib for profile knives, L=25	1, 2







HW Glutz hinge cutter

Application
- For cutting the Glutz fitting groove on CNC machining centres

Design
- Tungsten carbide
- Knife clamping wedge
- Tool body in steel
- MEC

Art. No.	D	B	d1	L	DR	D1	Z	n max	Index
TA700419	30	23	12	95	re.	18.5	2	18'000	1
TA700428	30	23	12	95	li.	18.5	2	18'000	2
TA700415	46	2.8	12	95	re.	26	2	18'000	3
TA700427	46	2.8	12	95	li.	26	2	18'000	4
TB685190	46	2.8	16	120	li.	26	2	18'000	5
TB685191	46	2.8	16	120	re.	26	2	18'000	6

Guide line

Rotation speed 1/min
16000 – 18'000

Range of application

Material	Axial feed speed vf
Chip board	6 – 8 m/min
MDF	5 – 6 m/min
Solid wood length-grain	4 – 5 m/min
Solid wood cross-grain	4 – 5 m/min

Spare parts

Art.No.		Index
TA217802	Reversible knives Glutz 1160, HW B=23 h=10 a=1.5 type=re.	1
TA217803	Reversible knives Glutz 1150, HW B=19.3 h=7.7 a=1.5 type=re.	3
TA217806	Grooving saws Glutz 1150, HW D=46 B=2.8 type=re.	3
TA217807	Reversible knives Glutz 1150, HW B=19.3 h=7.7 a=1.5 type=re.	4
TA217808	Reversible knives Glutz 1160, HW B=23 h=10 a=1.5 type=li.	2
TA217809	Grooving saws Glutz 1150, HW D=46 B=2.8 type=li.	4
TA851106	Set screws for Glutz 1150, M=3 L=5 type=ISK 2	3, 4
TA851107	Set screws for Glutz 1160, M=3.5 L=5 type=Torx 15	1, 2
TA851190	Screws for grooving saws, M=6 L=16 type=ISK 5	3, 4
TA851191	Screws for Glutz 1160, M=5 L=16 type=ISK 4	1, 2

4

Grooving cutter and circular saws

WS Grooving cutter

Application
- For grooving and scoring in panel materials
- For grooving in solid wood along and across the grain and in wood board and panel materials
- Climb milling applications

Design
- Tungsten carbide reversible knives
- Wear-resistant tungsten carbide quality
- Reversible knives with integrated spur for lengthwise and crosswise grooves
- Tool body in steel
- Suitable for OERTLI clamping shaft with double keyways (DKN)
- MEC

Art. No.	D	B	d	Z	T max	n max	Index
TA031074	120	4	25+DKN	4 (2+2)	36	10'000	1
TA031076	140	4	25+DKN	4 (2+2)	46	9'000	2
TB300148	140	8	25+DKN	6 (2+2+2)	46	10'300	3
TA031081	140	10	25+DKN	6 (2+2+2)	46	10'300	4

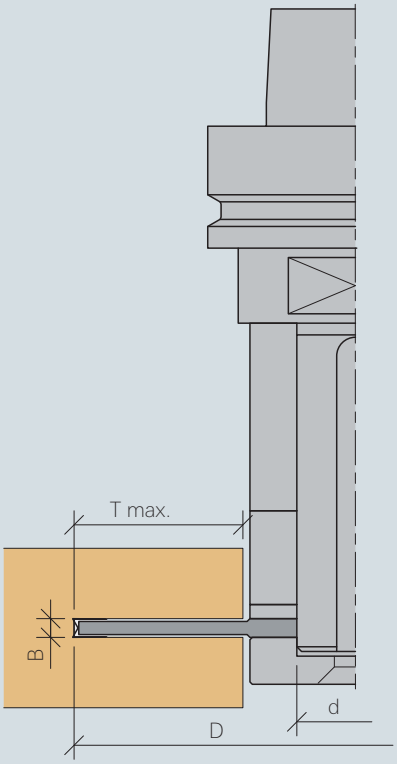
Guide line

Rotation speed 1/min
8'000 – 9'000

Range of application
Material: Soft wood
Processing: Grooving

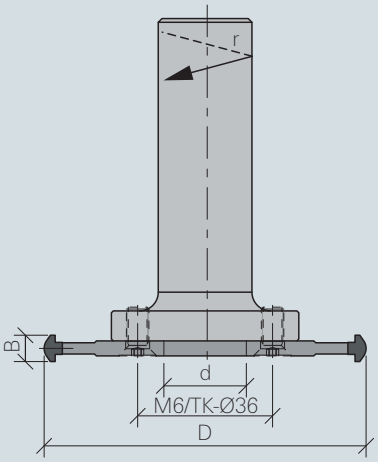
Diameter	Processing depth	Feed speed vf
120 – 140 mm	< 15 mm	12 m/min
120 – 140 mm	> 15 mm	8 m/min

Correction vf	
Chip board	1.3
Hardwood	0.8
Multiplex	0.9
MDF	1.1



Spare parts

Art.No.		Index
KF216009	Spur knives OERTLI, HW B=14 h=14 a=2.0	3, 4
KF216026	Reversible knives straight OERTLI H8, HW B=7.5 h=10 a=2.0	3
KF216027	Raker knives four-corner OERTLI, HW B=3.7 h=14.9 a=3.2	1, 2
KF216172	Spur knives four-corner OERTLI, HW B=4.0 h=13.0 a=3.2	1, 2
KG217010	Reversible knives straight OERTLI H8, HW B=10 h=8 a=1.5	4
TA851038	Screws for KF216009, M=5 L=6.3 type=Torx 15	3, 4
TA851059	Screws for raker B=8, M=5 L=23, type=Torx 20	3
TA851179	Excentre for B=4-7, D=14	1, 2
TA851182	Tongue for excentre, B=4-7	1, 2
TA950322	Gib for raker B=8, L=6.8	3
TA950900	Gib for raker B=10, L=8 type=0°	4
TB851007	Screws for raker B=10, M=5 L=21.3 type=Torx 15	4



HW Groove cutter for CLAMEX P

Application
- For cutting T groove in panel materials and solid wood by plunge cutting and travelling sideways

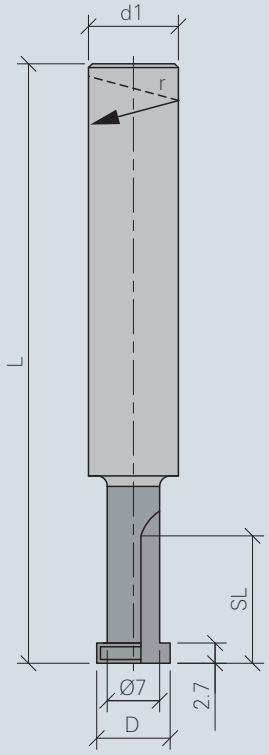
Design
- Tungsten carbide
- Suitable for OERTLI clamping devices
- Limited regrinding area
- MEC

Art. No.	Type	D	B	d	Z	NL	n max
TB685196		100.4	7	30	3	4/M6/48	13'300
TA176612	HW	100.9	7.05	22	3	4/M6/36	13'300

Guide line

Rotation speed 1/min
8'000 – 13'000
Range of application

Material	Feed speed vf
Chip board	6 – 8 m/min
MDF	5 – 6 m/min
Solid wood length-grain	4 – 5 m/min
Solid wood cross-grain	4 – 5 m/min



DP Shank cutter for Clamex P

Application
- For curved cutting of T groove in panel materials and solid wood

Design
- Diamond
- Cutter can not be reground
- MEC

Art. No.	D	SL	L	d1	Z	DR
TA680023	9.8	17	80	12	2	re.

Guide line

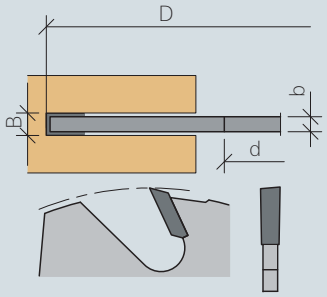
Rotation speed 1/min
18'000
Range of application

Material	Feed speed vf
Chip board	4 – 6 m/min
MDF	3 – 4 m/min
Solid wood length-grain	2 – 3 m/min
Solid wood cross-grain	2 – 3 m/min

HW Grooving saw

Application
- For grooving in solid wood, wood board and panel materials
- For grooving and scoring in panel materials
- Climb milling applications with MEC only

Design
- Tungsten carbide
- Positive flat tip



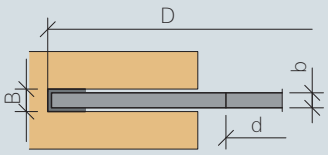
Art. No.	D	B	b	d	Z	n max
TA753000	100	4.0	4.0	25+DKN	6	13'300
TB861001	120	4.0	3.0	20	12	12'000
TB861002	120	4.5	3.5	20	12	12'000
TB861003	120	5	3.5	20	12	12'000
TB861004	120	6.0	4.0	20	12	12'000
TA753001	125	1.5	1.0	30	12	10'700
TA753003	125	2.0	1.4	30	12	10'700
TA753007	125	4.0	3.0	30	12	10'700
TA753008	125	4.5	3.0	30	12	10'700
TA753009	125	5.0	3.5	30	12	10'700
TA753010	125	6	4.0	30	12	10'700

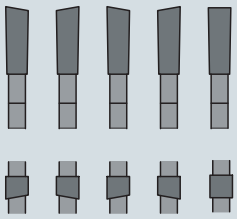
Guide line

Rotation speed 1/min
7'000 – 13'000
Range of application
Material: Chip board
Processing: Grooving

Diameter	Processing depth	Feed speed vf
100 – 125 mm	< 15 mm	16 m/min
100 – 125 mm	> 15 mm	14 m/min

Correction vf	
Chip board	–
Hardwood	0.8
Multiplex	0.9
MDF	0.9





HW Circular sizing saw SPRINT

Application
- For chop- and mitre cuts in solid wood across the grain, plastic profiles, plywood, veneered wood board and panel materials

Design
- Tungsten carbide
- Extremely large shear cut angle
- With grouped teeth
- Suitable for OERTLI clamping shaft or angle assembly

Art. No.	D	B	b	d	NL	Z
TB750016	180	3.0	2.2	30		60
TB750017	200	3.0	2.2	30		65
TB750018	220	3.0	2.2	30		70
TB750000	240	3.0	2.2	30	8/5.5/52	75
TB750001	240	3.0	2.2	40	8/5.5/52	75
TB750002	250	3.0	2.2	30	NLK	80
TB750003	255	3.0	2.2	30	NLK	80
TB750004	303	3.0	2.2	30	NLK	100
TB750005	355	3.0	2.2	30	NLK	100

Guide line

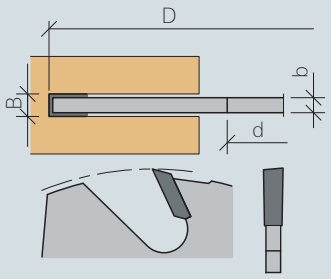
Range of application

Material	Cutting speed vs	Feed per tooth fz
Chip board	60 – 90 m/s	0.2 – 0.3
MDF	50 – 70 m/s	0.1 – 0.2
Solid wood length-grain	55 – 80 m/s	0.2 – 0.4
Solid wood cross-grain	60 – 90 m/s	0.1 – 0.2
Thermoplast	30 – 50 m/s	0.05 – 0.1
Duroplast	20 – 50 m/s	0.05 – 0.1

DP Grooving saw

Application
- For grooving in solid wood, wood board and panel materials
- For grooving and scoring in panel materials
- Climb milling applications with MEC only

Design
- Diamond
- Positive flat tip



Art. No.	D	B	b	d	Z
TB750013	120	4.2	3.0	20	12
TB750014	120	5.0	4.0	20	12
TB750015	120	8.2	6.0	20	12
TB750010	125	4.2	3.0	20	12
TB750011	125	5.0	4.0	20	12
TB750012	125	8.2	6.0	20	12

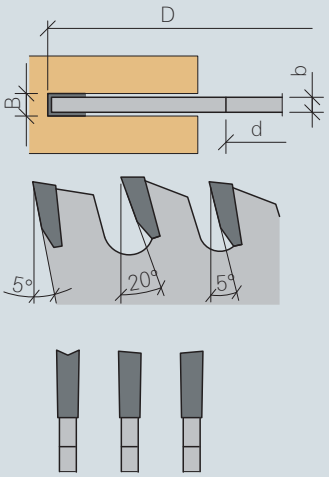
Guide line

Rotation speed 1/min
7'000 – 13'000

Range of application
Material: Chip board
Processing: Grooving

Diameter	Processing depth	Feed speed vf
120 – 125 mm	< 15 mm	15 m/min
120 – 125 mm	> 15 mm	10 m/min

Correction vf	
Chip board	–
Hardwood	0.8
Multiplex	0.9
MDF	0.9



HW Circular saw DUO-BFF

Application

- Universal saw for cutting along and across the grain in solid wood, wood board and panel materials

Design

- Tungsten carbide
- Extremely large shear cut angle
- Alternate top bevel-spur tooth and spur
- Suitable for OERTLI clamping shaft or angle assembly

Art. No.	D	B	b	d	NL	Z
TA760023	180	3.1	2.0	30		42
TA760035	200	3.1	2.0	30		48
TA760045	220	3.1	2.0	30	NLK	48
TA760069	250	3.1	2.0	30	NLK	60
TA760100	303	3.3	2.2	30	NLK	60
TA760109	303	3.3	2.2	30	NLK	72
TA760136	350	3.6	2.5	30	NLK	72

Guide line

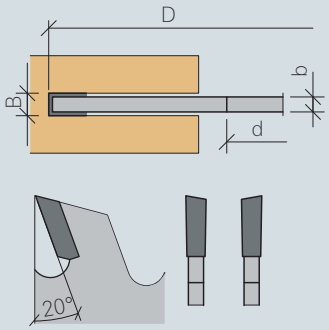
Range of application

Material	Cutting speed vs	Feed per tooth fz
Chip board	60 – 90 m/s	0.2 – 0.3
MDF	50 – 70 m/s	0.1 – 0.2
Solid wood length-grain	55 – 80 m/s	0.2 – 0.4
Solid wood cross-grain	60 – 90 m/s	0.1 – 0.2
Thermoplast	30 – 50 m/s	0.05 – 0.1
Duroplast	20 – 50 m/s	0.05 – 0.1

HW Universal circular saw

Application
- Universal saw for cutting along and across the grain in solid wood, wood board and panel materials

Design
- Tungsten carbide
- Positive hook angle

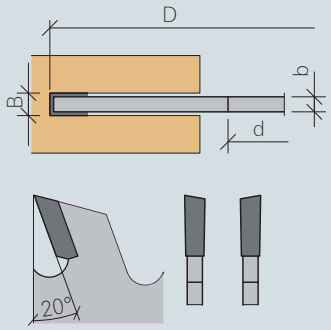


Art. No.	D	B	b	d	NL	Z
TA758540	150	3.2	2.2	30		24
TA758550	180	3.2	2.2	30		30
TA758557	200	3.2	2.2	30		48
TA758562	220	3.2	2.2	30		36
TA758563	240	3.2	2.2	30		36
TA758570	250	3.2	2.2	30	NLK	48
TA758577	300	3.2	2.2	30	NLK	54
TA758579	300	3.2	2.2	30	NLK	72
TA758590	350	3.5	2.4	30	NLK	54
TA758592	350	3.5	2.4	30	NLK	72

Guide line

Range of application

Material	Cutting speed vs	Feed per tooth fz
Chip board	60 – 90 m/s	0.2 – 0.3
MDF	50 – 70 m/s	0.1 – 0.2
Solid wood length-grain	55 – 80 m/s	0.2 – 0.4
Solid wood cross-grain	60 – 90 m/s	0.1 – 0.2
Thermoplast	30 – 50 m/s	0.05 – 0.1
Duroplast	20 – 50 m/s	0.05 – 0.1



HW Circular saw

Application
- Universal saw for cutting along and across the grain in solid wood, wood board and panel materials

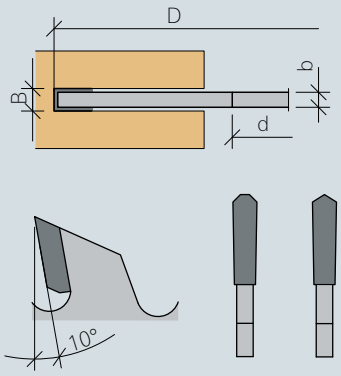
Design
- Tungsten carbide
- Positive hook angle
- Precision version

Art. No.	D	B	b	d	NL	Z
TA758201	300	3.2	2.2	30	2/10/60	48
TA758202	300	3.2	2.2	30	2/10/60	60
TA758203	300	3.2	2.2	30	2/10/60	72
TA758206	350	3.2	2.2	30	2/10/60	72
TA758205	350	3.5	2.5	30	2/10/60	54

Guide line

Range of application

Material	Cutting speed vs	Feed per tooth fz
Chip board	60 – 90 m/s	0.2 – 0.3
MDF	50 – 70 m/s	0.1 – 0.2
Solid wood length-grain	55 – 80 m/s	0.2 – 0.4
Solid wood cross-grain	60 – 90 m/s	0.1 – 0.2
Thermoplast	30 – 50 m/s	0.05 – 0.1
Duroplast	20 – 50 m/s	0.05 – 0.1



HW Circular saw

Application
- Universal saw for cutting along and across the grain in solid wood, wood board and panel materials

Design
- Tungsten carbide
- Hollow tooth with positiv V-flat tooth
- Precision version

Art. No.	D	B	b	d	NL	Z
TB750101	220	3.2	2.2	30	2/7/42+2/10/60	48
TA768068	250	3.2	2.2	30	2/7/42+2/10/60	48
TA768069	303	3.2	2.2	30	2/7/42+2/10/60	60
TA768071	350	3.2	2.2	30	2/7/42+2/10/60	72

5

Profile tools

WS V-groove cutter and folding cutter

Application
- For milling V grooves
- For cutting out corners and folding cuts in solid wood and panel materials

Design
- Tungsten carbide reversible knives
- Wear-resistant tungsten carbide quality
- Tool body in steel
- Fitted for thermo chuck HSK 63
- Perfectly tapered profile
- MEC

Art. No.	D	SL	L	d1	Z	alpha	DR	n max
TA112171	41.5	35	118	20	1	60°	re.	18'000

Guide line

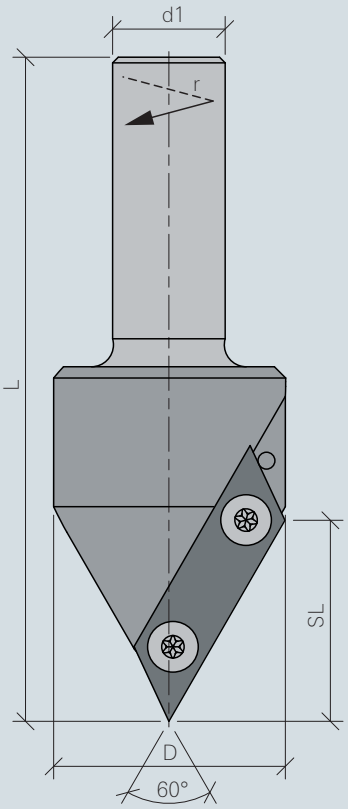
Rotation speed 1/min
18'000

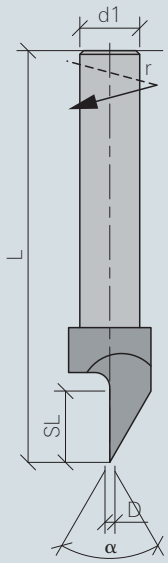
Range of application

Material	Feed speed vf
Chip board	6 m/min
MDF	5 m/min
Solid wood length-grain	4 m/min
Solid wood cross-grain	3 m/min

Spare parts

Art.No.	
TA219850	Reversible knives folding 60°, HW B=50 h=12 a=1.5
TB851030	Screws large head, M=4 L=4 type=Torx 15





HW Scripture cutter

Application
- For cutting decorative grooves in solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide
- MEC

Art. No.	D	SL	L	d1	Z	alpha	DR	n max
TA689100	0.3	9.5	55	8	1	60°	re.	24'000

Guide line

Rotation speed 1/min
18'000 – 24'000

Range of application

Material	Feed speed vf
Chip board	4 m/min
MDF	4 m/min
Solid wood length-grain	3 m/min
Solid wood cross-grain	2 m/min

PS decorative groove cutter

Application

- For cutting decorative grooves in solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Wear-resistant tungsten carbide quality
- Knives with one-sided shear cut angle
- Tool body in steel
- Knife head for different standard tungesten carbide profile knives
- Finely balanced for speeds of up to 24,000 rpm
- MEC

Art. No.	D	L	d1	Z	T max	DR	n max
TA689107	12	85	25	1	8	re.	18'000

Guide line

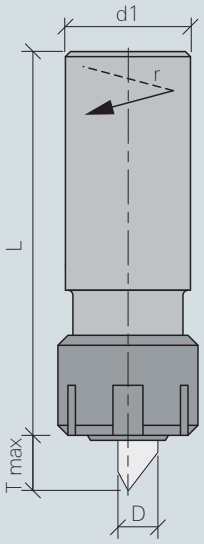
Rotation speed 1/min
18'000

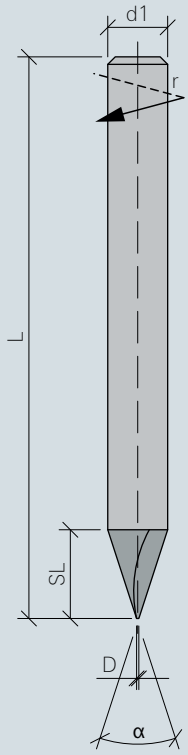
Range of application

Material	Feed speed vf
Chip board	6 m/min
MDF	5 m/min
Solid wood length-grain	4 m/min
Solid wood cross-grain	3 m/min

Spare parts

Art.No.	
TA689109	Clamping nuts for decorative groove cutters, M=24x1
TA689110	Hook wrench for decorative groove cutters, type=689





VHW TURBEX spiral finishing cutter Kolibri

Application
- For engraving and hogging in veneer and synthetic resin

Design
- Solid tungsten carbide
- Center cutting knife
- With bearing guide
- MEC

Art. No.	D	SL	L	d1	Z	alpha	DR	n max
TA689301	0.3	5	40	3	1	36°	re.	24'000
TB680000	8	11.85	75	8	2	36°	re.	30'000

Guide line

Rotation speed 1/min
18'000 – 24'000

Range of application

Material	Feed speed vf
Chip board	4 m/min
MDF	4 m/min
Solid wood length-grain	3 m/min
Solid wood cross-grain	2 m/min

PROFI-VIT universal profile cutterhead

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Individually profileable tungsten carbide knives
- Three fluted version with three cutting edges
- Tool body in steel
- MEC

Art. No.	D	D max	d1	T max	Z	DR	n max	Index
TA168500	44	46	25	12	2	re.	18'000	1
TA168501	57	64	25	12	2	re.	18'000	2

Guide line

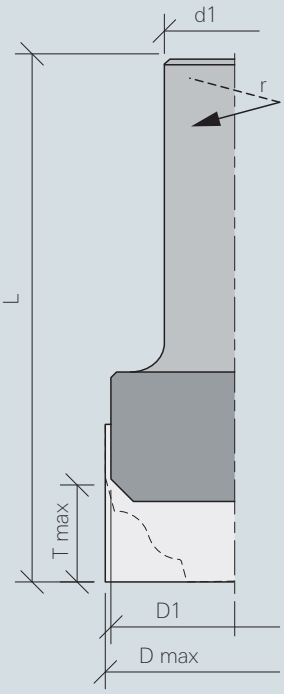
Rotation speed 1/min
18'000

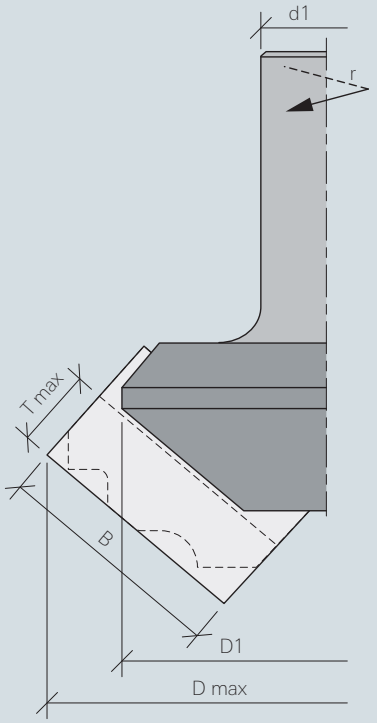
Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.		Index
TA168550	Gib, L=20	1
TA168552	Gib, L=25	2
TA851088	Set screws for gib, M=8 L=12 type=ISK 4	2
TA851090	Set screws for gib, M=8 L=10 type=ISK 4	1





PROFI-VIT universal profile cutterhead

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Individually profileable tungsten carbide knives
- Three fluted version with three cutting edges
- Tool body in steel
- MEC

Art. No.	D1	D max	B	d1	T max	Z	DR	n max
TA168600	78	105	35/45	25	13	2	re.	12'000

Guide line

Rotation speed 1/min
10'000 – 12'000

Range of application

Material	Feed speed vf
Spannplatte	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.	
TA168650	Gib, L=40
TA851549	Set screws for gib, M=6 L=12 type=Torx 15

PROFI-VIT universal profile cutterhead

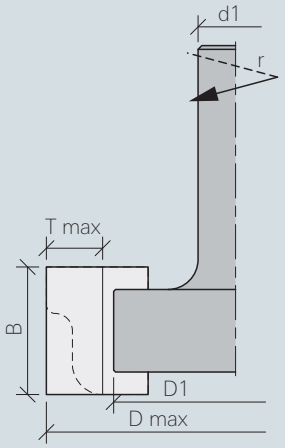
Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Individually profileable tungsten carbide knives
- Three fluted version with three cutting edges
- Tool body in steel
- MEC

Art. No.	D1	B	d1	T max	Z	DR	n max
TA168401	65	35/45	25	16.5	2	re.	12'000



Guide line

Rotation speed 1/min

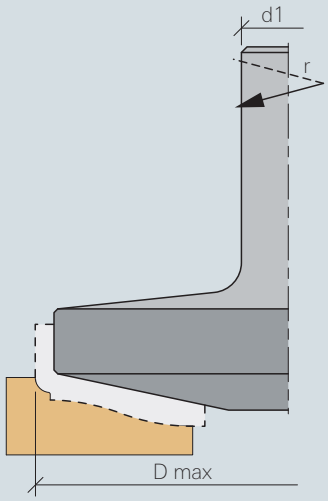
12'000

Range of application

Material	Feed speed vf
Chip board	12 – 15 m/min
MDF	10 – 12 m/min
Solid wood length-grain	8 – 10 m/min
Solid wood cross-grain	6 – 8 m/min

Spare parts

Art.No.	
TA168452	Gib, L=42
TA851088	Set screws for gib, M=8 L=12 type=ISK 4
TA851417	Set screws for gib, M=6 L=16 type=ISK 3



PROFI-VIT universal raised panel cutterhead

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Standard or individually profileable tungsten carbide knives
- Tool body in steel
- Profiled and hardened support plate designed to fit in universal knife head
- MEC

Art. No.	D	D max	d1	Z	DR	n max
TA168020	125	135	25	2	re.	10'000

Guide line

Rotation speed 1/min

9'000 – 10'000

Range of application

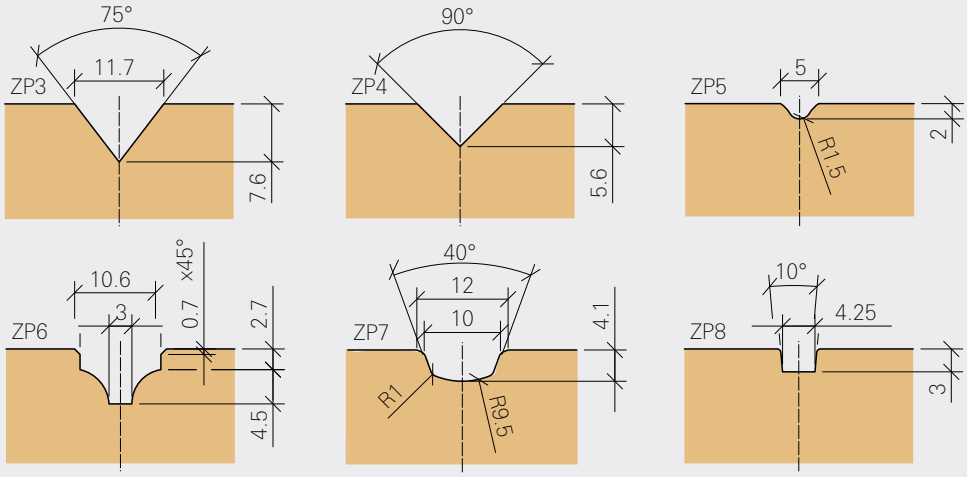
Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

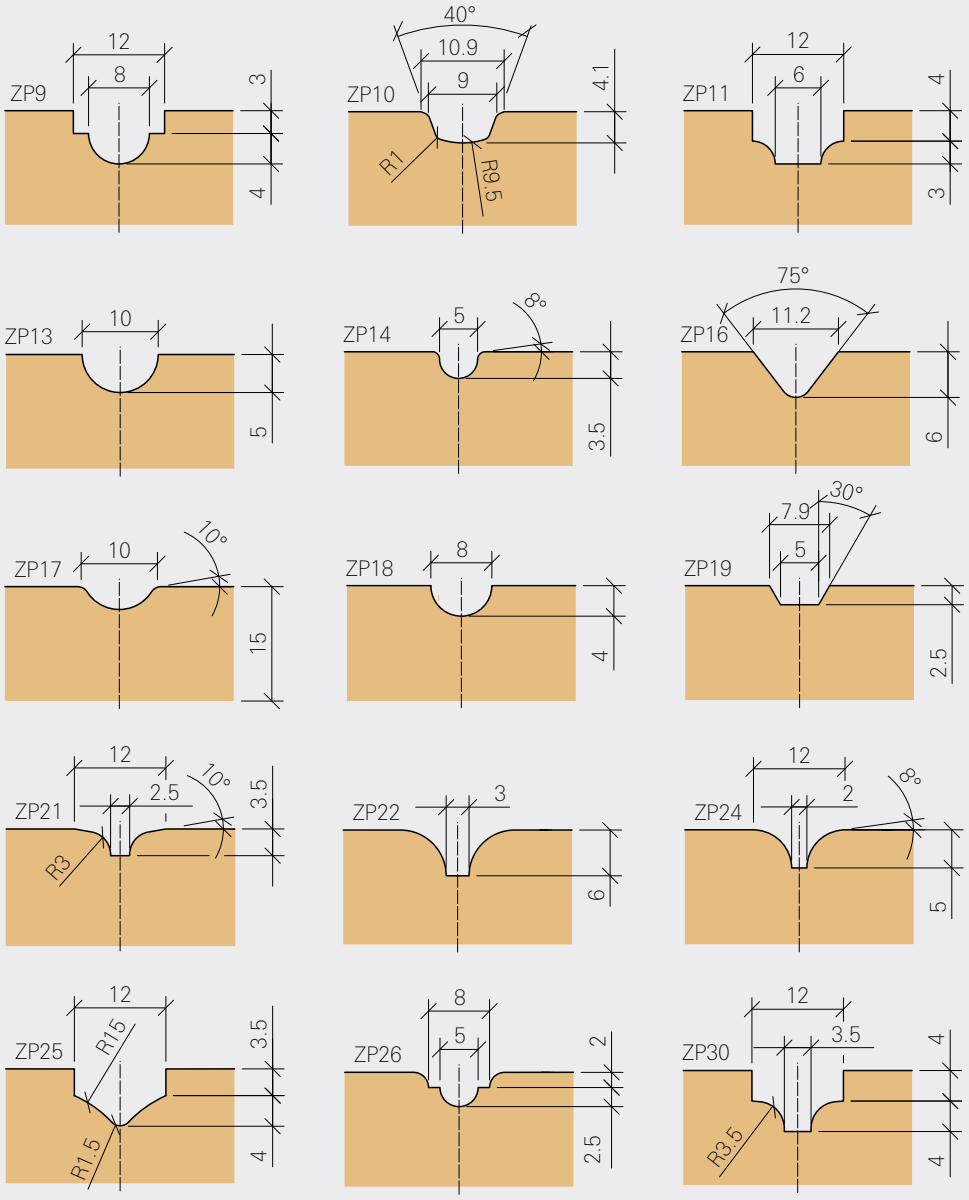
Spare parts

Art.No.	
TA168027	Gib for head D=125, L=56
TA851089	Set screws for gib, M=8 L=16 type=ISK 4

Decorative profile knives

Art. No.	Type
TA689202	ZP 03
TA689203	ZP 04
TA689205	ZP 05
TA689208	ZP 06
TA689210	ZP 07
TA689212	ZP 08
TA689213	ZP 09
TA689216	ZP 10
TA689217	ZP 11
TA689219	ZP 13
TA689220	ZP 14
TA689222	ZP 16
TA689227	ZP 17
TA689224	ZP 18
TA689225	ZP 19
TA689228	ZP 21
TA689229	ZP 22
TA689231	ZP 24
TA689232	ZP 25
TA689233	ZP 26
TA689240	ZP 30



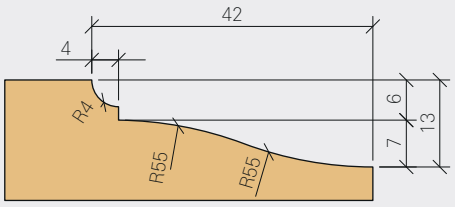

ZP9
12
8
3
4
ZP10
40°
10.9
9
4.1
R1
R9.5
ZP11
12
6
4
3
ZP13
10
5
ZP14
5
8°
3.5
ZP16
75°
11.2
6
ZP17
10
10°
15
ZP18
8
4
ZP19
30°
7.9
5
2.5
ZP21
12
2.5
10°
3.5
R3
ZP22
3
6
ZP24
12
2
8°
5
ZP25
12
R15
3.5
R1.5
4
ZP26
8
5
2
2.5
ZP30
12
3.5
4
R3.5
4

Profile knive

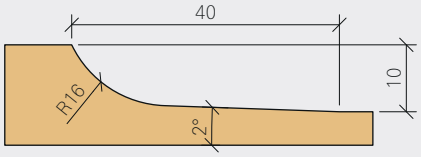
Art. No.	Type	B
KP168313	PD-61/Z	65
KP168310	PD-80/Z	65
KP168311	PD-81/Z	65

Backing plate

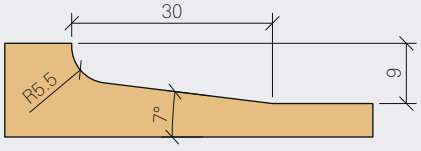
Art. No.	Type
TA168328	PD-61/Z
TA168325	PD-80/Z
TA168326	PD-81/Z



PD-61/Z



PD-80/Z



PD-81/Z

HW Handle profile cutter

Application
- For milling of handle profiles

Design
- Tungsten carbide
- Axially parallel cutting edges
- Face and peripheral milling
- MEC

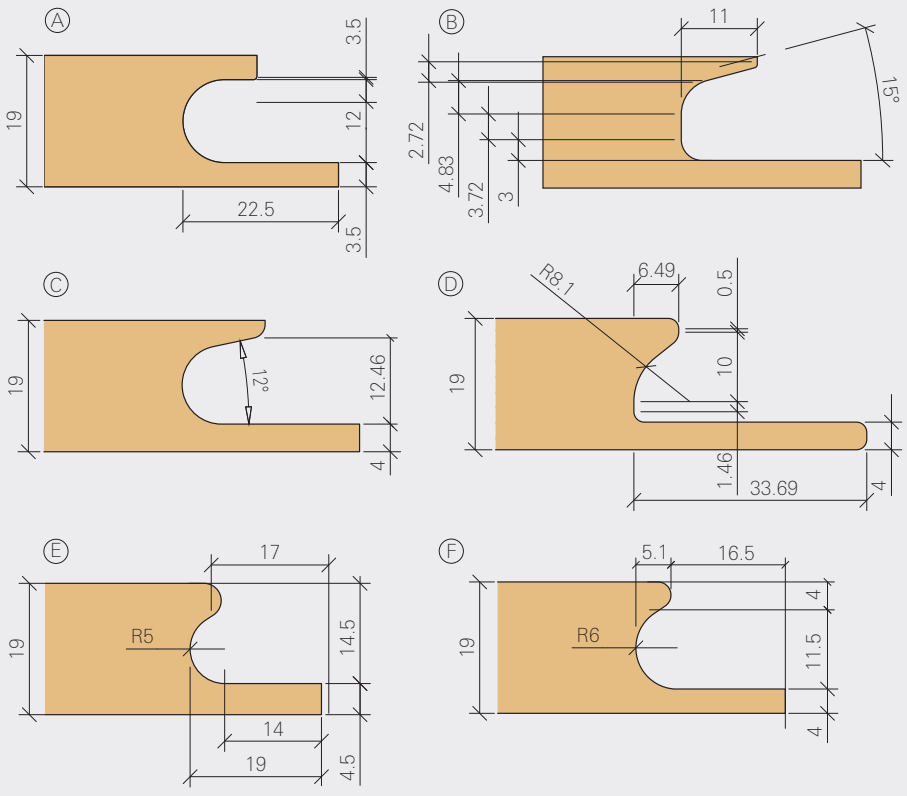
Art. No.	Type	D	SL	L	d1	Z	DR	n max
TB681018	Profile E	28.2/24	24	86	12	2	re.	18'000
TB681019	Profile F	29.79/24	24	86	12	2	re.	18'000
TB681017	Profile D	30.98/24	24	86	12	2	re.	18'000
TB681014	Profile A	38.4/17	24	86	12	2	re.	18'000
TB681015	Profile B	39.01/17	24	86	12	2	re.	18'000
TB681016	Profile C	41/17	24	86	12	2	re.	18'000

Guide line

Rotation speed 1/min
18'000

Range of application

Material	Feed speed vf
Chip board	2 m/min
MDF	2 m/min
Solid wood length-grain	2 m/min
Solid wood cross-grain	2 m/min



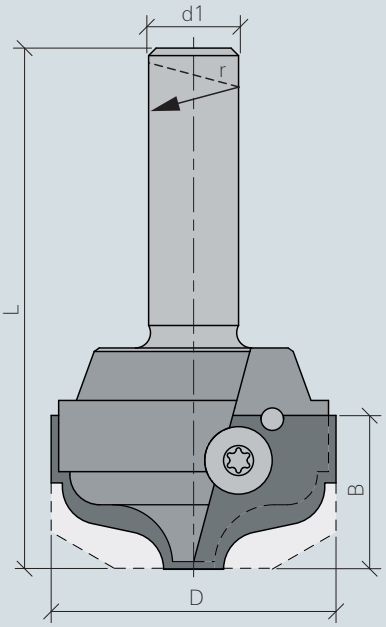
PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6
- With shear cut angle
- Tool body for two single-sided profiled tungsten carbide profile knives
- Profile area as shown in diagram
- Tool body cannot be re-profiled
- MEC



Art. No.	D	B	d1	L	DR	Index
ZCPSS5433832219	38	20.5	12x40	70	re.	1
ZCPSS5433892219	38	20.5	12.7x40	70	re.	2

Guide line

Rotation speed 1/min

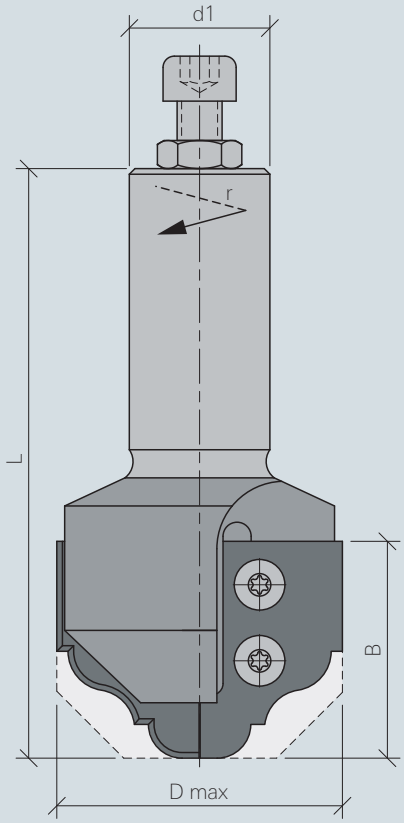
18'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.		Index
TA851606	Screws for profile knives, M=4 L=6 type=Torx 16	1, 2



PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6
- With shear cut angle
- Tool body for two single-sided profiled tungsten carbide profile knives
- Body pre-profiled to a diameter of 48 mm, further profiling possible up to a diameter of 41 mm
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	L	DR	Index
ZCPSS5450044025	51	38.5	3/4x55 M8	105	re.	1
ZCPSS5450064025	51	38.5	25x55 M8	105	re.	2

Guide line

Rotation speed 1/min
12'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.		Index
TA851606	Screws for profile knives, M=4 L=6 type=Torx 16	1

PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6
- With shear cut angle
- Tool body for two single-sided profiled tungsten carbide profile knives
- Body is individually profiled to match the respective knife profile
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	L	DR	Index
ZCPSS5467745030	77	43	3/4x55 M8	115	re.	1
ZCPSS5467765030	77	43	25x55 M8	115	re.	2

Guide line

Rotation speed 1/min

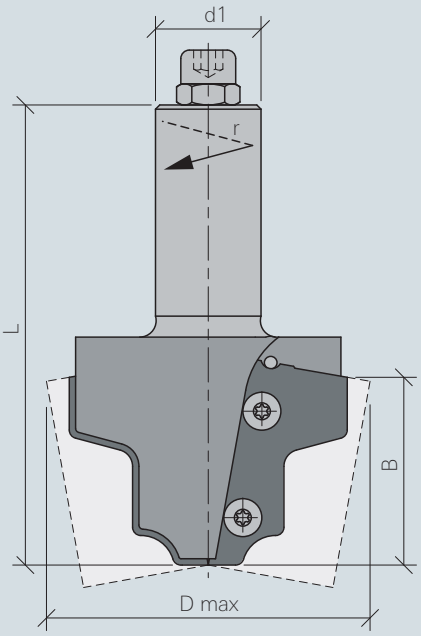
12'000

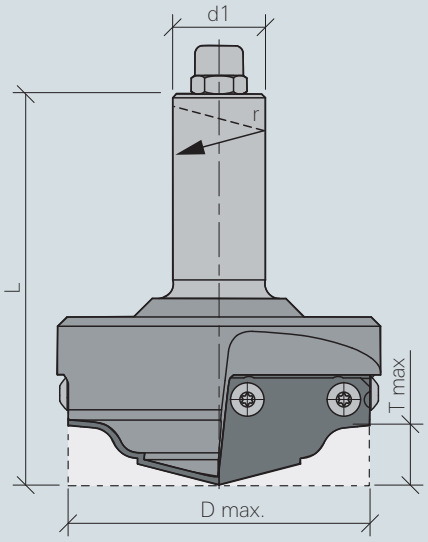
Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.		Index
TA851606	Screws for profile knives, M=4 L=6 type=Torx 16	1, 2





PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6
- With shear cut angle
- Tool body for two single-sided profiled tungsten carbide profile knives
- Body is individually profiled to match the respective knife profile
- Profile area as shown in diagram
- MEC

Art. No.	D	d1	L	DR	Index
ZCPSS5476063030	60	25x55 M8	100	re.	1
ZCPSS5478064030	80	25x55 M8	105	re.	2

Guide line

Rotation speed 1/min
12'000 – 16'000

Range of application

Material	Feed speed vf
Chip board	10 – 12 m/min
MDF	8 – 10 m/min
Solid wood length-grain	6 – 8 m/min
Solid wood cross-grain	5 – 6 m/min

Spare parts

Art.No.		Index
TA851606	Screws for profile knives, M=4 L=6 type=Torx 16	1, 2

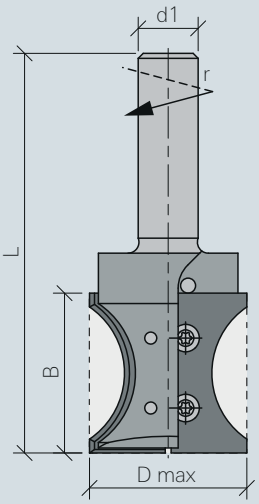
PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC



Art. No.	D	B	d1	L	DR	Index
ZCPSS5290023215H6	31.5	32	12x40	80	re.	1
ZCPSS5290093215H6	31.5	32	1/2x40	80	re.	2

Guide line

Rotation speed 1/min

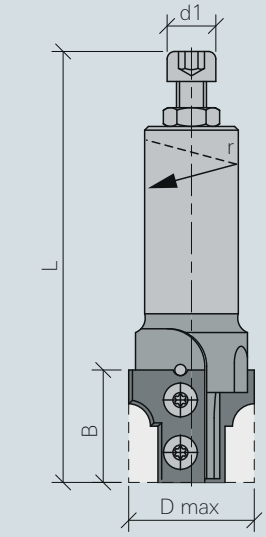
18'000

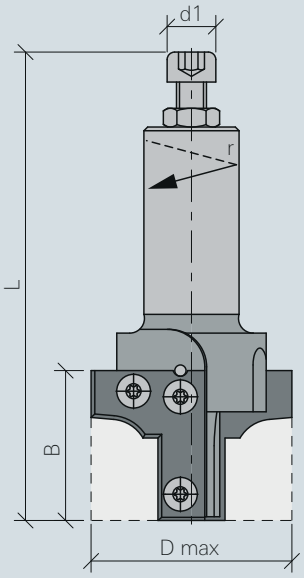
Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

Spare parts

Art.No.		Index
TA851309	Screw for profile knives, M=3 L=4 type=Torx 9	1, 2





PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	L	DR	Index
ZCPSS5343022517H6	30	25	12x40	71	re.	1
ZCPSS5343092517H6	30	25	1/2x40	71	re.	2
ZCPSS5343042517H6	30	25	3/4x55 M8	86	re.	3
ZCPSS5343062517H6	30	25	25x55 M8	86	re.	4
ZCPSS5323493020H6	34	30	1/2x40	81	re.	5
ZCPSS5323494030H4	34	40	1/2x40	81	re.	6
ZCPSS5323463020H6	34	30	25x55 M8	96	re.	7
ZCPSS5323464030H4	34	40	25x55 M8	96	re.	8
ZCPSS5324493020H6	53	30	1/2x40	91	re.	9
ZCPSS5324494030H4	53	40	1/2x40	91	re.	10
ZCPSS5324463020H6	53	30	25x55 M8	106	re.	11
ZCPSS5324464030H4	53	40	25x55 M8	106	re.	12

Guide line

Rotation speed 1/min

12'000 – 18'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

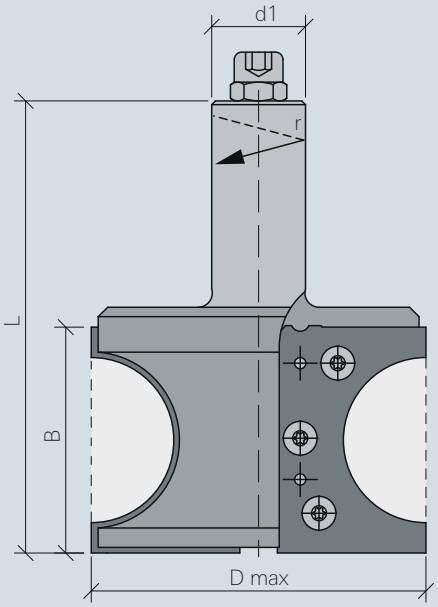
Spare parts

Art.No.		Index
TA851606	Screws for profile knives, M=4 L=6 type=Torx 16	1

PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC



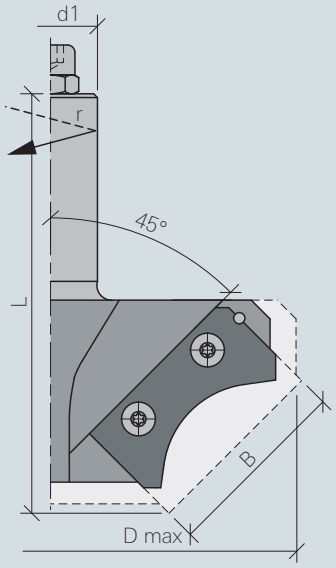
Art. No.	D	B	d1	L	DR
ZCPSS5309046040H6	90	60	3/4x55 M8	125	re.
ZCPSS5309066040H6	90	60	25x55 M8	125	re.

Guide line

Rotation speed 1/min
12'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min



PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	DR
ZCPSS5381164025H6	110	40	25x55 M8	re.
ZCPSS5381164030H6	110	40	25x55 M8	re.
ZCPSS5381365025H6	130	50	25x55 M8	re.
ZCPSS5381365030H6	130	50	25x55 M8	re.

Guide line

Rotation speed 1/min
9'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

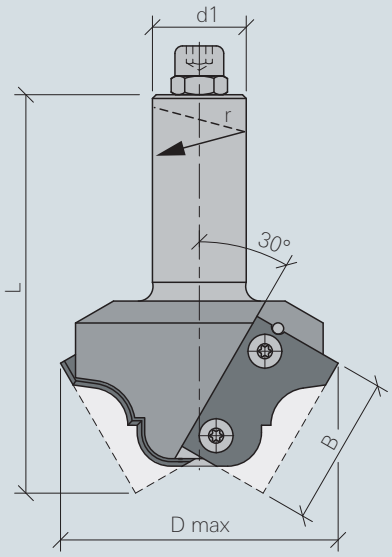
PS-Shank

Application

- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design

- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC



Art. No.	D	B	d1	DR
ZCPSS5387444025H6	87	40	3/4x55 M8	re.
ZCPSS5387444030H6	87	40	3/4x55 M8	re.
ZCPSS5387464025H6	87	40	25x55 M8	re.
ZCPSS5387464030H6	87	40	25x55 M8	re.

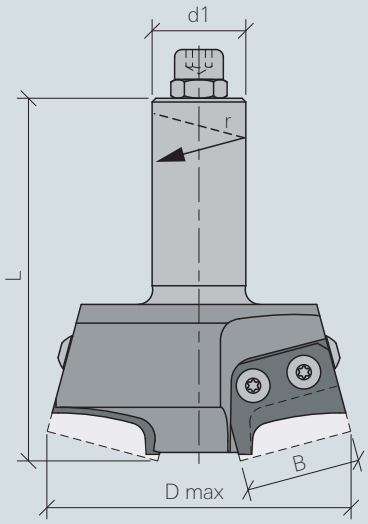
Guide line

Rotation speed 1/min

12'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min



PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	L	DR
ZCPSS5378063025H6	80	30	25x55 M8	95	re.

Guide line

Rotation speed 1/min
9'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC

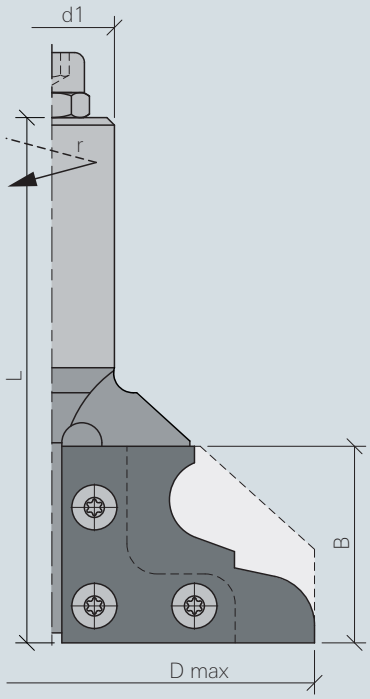
Art. No.	D	B	d1	L	DR
ZCPSS5421044050H6	105	36	3/4x55 M8	105	re.
ZCPSS5421064050H6	105	36	25x55 M8	105	re.

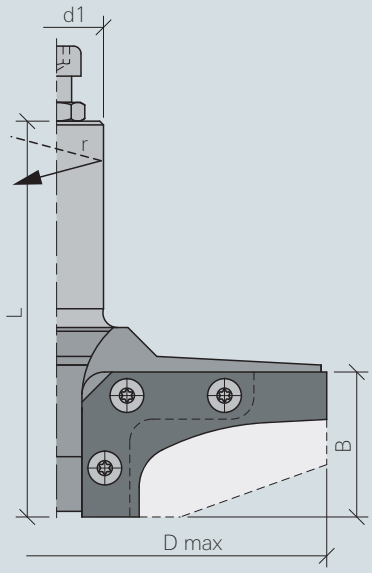
Guide line

Rotation speed 1/min
8'000

Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min





PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

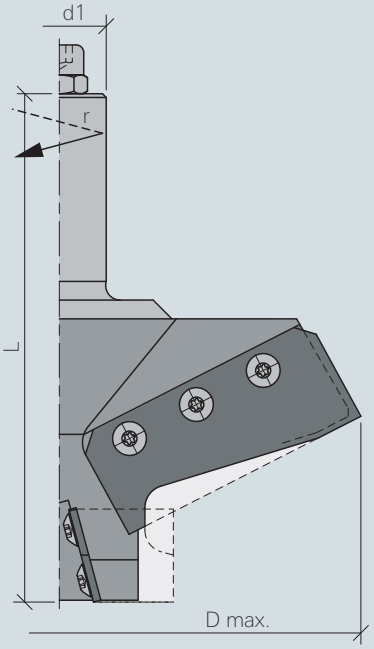
Design
- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Tool body for two single-sided profiled tungsten carbide profile knives
- Individually profiled body
- Profile area as shown in diagram
- MEC

Art. No.	D	B	d1	L	DR
ZCPSS4401464066H6	144	38	25x55 M8	107	re.

Guide line

Rotation speed 1/min
6'000
Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min



PS-Shank

Application
- Universal tool for profiling solid wood and panel materials on CNC machining centres

Design
- Tungsten carbide profile knives
- Carbide quality H6 for solid wood and for use in chipboard
- Individually profiled body
- Tool body for four single-sided profiled tungsten carbide profile knives
- Profile area as shown in diagram
- MEC

Art. No.	D	d1	L	DR
ZCPSS4421667030H6	160	25x55 M8	131	re.

Guide line

Rotation speed 1/min
6'000
Range of application

Material	Feed speed vf
Chip board	12 m/min
MDF	10 m/min
Solid wood length-grain	8 m/min
Solid wood cross-grain	6 m/min

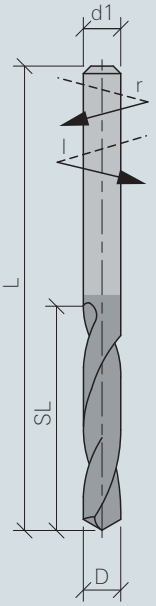
6

Boring bits

VHW Drill with brad-point drill bit

Application
- For drilling blind holes and through holes in solid wood, panel materials and solid core plastic

Design
- Solid tungsten carbide
- With V-point tip
- Cylindrical
- MAN



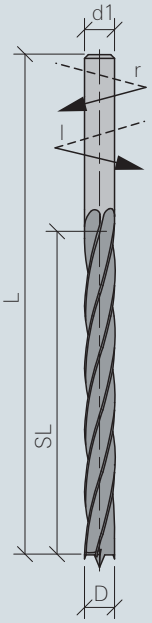
Art. No.	D	SL	L	d1	Z	DR
TA725714	2.0	12	38	2	2	re.
TA725715	2.0	12	38	2	2	li.
TA725718	3.0	27	46	3	2	li.
TA725719	3.0	27	46	3	2	re.
TA725738	3.2	36	65	3.2	2	re.
TA725740	3.2	36	65	3.2	2	li.
TA725720	3.5	20	52	3.5	2	re.
TA725721	3.5	20	52	3.5	2	li.
TA725722	4.0	22	55	4	2	re.
TA725723	4.0	22	55	4	2	li.
TA725728	5.0	26	62	5	2	re.
TA725729	5.0	26	62	5	2	li.

Guide line

Rotation speed 1/min
4'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
4'000 – 5'000 1/min	1.5 – 2.5 m/min
5'000 – 7'000 1/min	2.5 – 4 m/min
7'000 – 9'000 1/min	4 – 5.5 m/min



VHW Dowel drill bit

Application
- For drilling blind holes in solid wood, wood board and panel materials

Design
- Solid tungsten carbide
- With centre tip and spur
- Cylindrical
- MAN

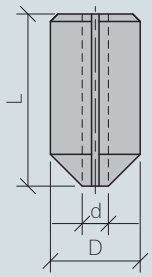
Art. No.	D	SL	L	d1	Z	DR
TA725748	3.0	27	46	3	2	re.
TA725749	3.0	27	46	3	2	li.
TA725753	4.0	22	55	4	2	re.
TA725754	4.0	22	55	4	2	li.
TA725750	5.0	26	62	5	2	re.
TA725751	5.0	26	62	5	2	li.

Guide line

Rotation speed 1/min
4'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
4'000 – 5'000 1/min	1.5 – 2.5 m/min
5'000 – 7'000 1/min	2.5 – 4 m/min
7'000 – 9'000 1/min	4 – 5.5 m/min



Clamping sleeve

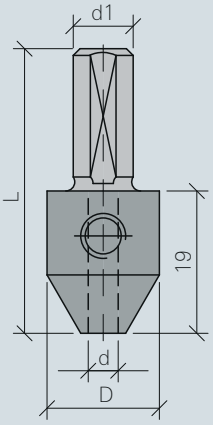
Art. No.	d	D	L
TA725766	2.0	10	23
TA725767	3.0	10	23
TA725768	3.2	10	23
TA725769	3.5	10	23
TA725780	5.0	10	23
TA725770	4.0	10	24

Holder with cylindrical shank

Art. No.	d	D	L	d1	Index
TA721030	2	15	38	10	1
TA721031	3	15	38	10	2
TA721033	4	15	38	10	3
TA721034	5	15	38	10	4

Spare parts

Art.No.		Index
TA851199	Set screws, M=6 L=6 type=ISK 3	1-4

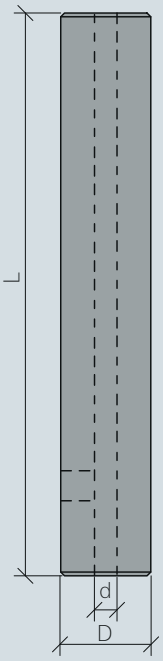


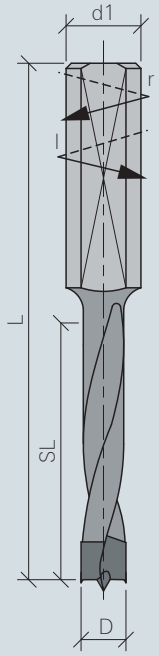
Reduction holder

Art. No.	d	D	L
TB680524	3	12	75

Spare parts

Art.No.	
TA851447	Set screws, M=5 L=6 type=ISK 2





HW Dowel drill bit

Application

- For drilling blind holes in solid wood, wood board and panel materials

Design

- Tungsten carbide
- With cut subdivision to reduce cutting forces
- Offset spiral for reduced friction
- Cylindrical shank with clamping surface and adjustment screw
- Spiral part, plastic coated
- MAN

L 57.5

Art. No.	D	SL	L	d1	Z	DR
TB700127	4.0	27	57.5	10	2	li.
TB700128	4.0	27	57.5	10	2	re.
TB700129	4.5	27	57.5	10	2	re.
TB700130	4.5	27	57.5	10	2	re.
TA725632	5.0	27	57.5	10	2	re.
TA725633	5.0	27	57.5	10	2	li.
TA725628	5.1	27	57.5	10	2	re.
TA725629	5.1	27	57.5	10	2	li.
TB700088	5.2	27	57.5	10	2	re.
TB700089	5.2	27	57.5	10	2	li.
TA725634	6.0	27	57.5	10	2	re.
TA725635	6.0	27	57.5	10	2	li.
TA725636	7.0	27	57.5	10	2	re.
TA725637	7.0	27	57.5	10	2	li.
TA725638	8.0	27	57.5	10	2	re.
TA725639	8.0	27	57.5	10	2	li.
TB700131	8.2	27	57.5	10	2	li.
TB700132	8.2	27	57.5	10	2	re.
TB700133	8.2	27	57.5	10	2	li.
TA725640	10.0	27	57.5	10	2	re.
TA725641	10.0	27	57.5	10	2	li.
TB700134	10.5	27	57.5	10	2	re.
TA725642	12.0	27	57.5	10	2	re.
TA725643	12.0	27	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TB700135	4.0	35	70	10	2	li.
TB700093	4.5	35	70	10	2	li.
TB700094	4.5	35	70	10	2	re.
TA725646	5.0	35	70	10	2	re.
TA725647	5.0	35	70	10	2	li.
TB700090	5.1	35	70	10	2	re.
TB700091	5.1	35	70	10	2	li.
TB700092	5.2	35	70	10	2	re.
TA725600	5.5	35	70	10	2	re.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TA725648	6.0	35	70	10	2	re.
TA725649	6.0	35	70	10	2	li.
TB700137	6.2	35	70	10	2	re.
TB700138	6.5	27	70	10	2	li.
TB700139	6.5	35	70	10	2	re.
TB700003	7.0	35	70	10	2	li.
TB700004	7.0	35	70	10	2	re.
TB700140	7.5	35	70	10	2	li.
TB700141	7.5	35	70	10	2	re.
TA725650	8.0	35	70	10	2	re.
TA725651	8.0	35	70	10	2	li.
TB700142	8.1	35	70	10	2	li.
TB700143	8.1	35	70	10	2	re.
TB700136	8.2	35	70	10	2	re.
TB700144	8.2	35	70	10	2	li.
TB700145	8.2	35	70	10	2	re.
TB700146	8.5	35	70	10	2	li.
TB700147	8.5	35	70	10	2	re.
TA725652	10.0	35	70	10	2	re.
TA725653	10.0	35	70	10	2	li.
TB700148	10.2	35	70	10	2	li.
TB700149	10.2	35	70	10	2	re.
TB700150	10.5	35	70	10	2	re.
TA725654	12.0	35	70	10	2	re.
TA725655	12.0	35	70	10	2	li.

L 77.0

Art. No.	D	SL	L	d1	Z	DR
TA725789	5.0	44	77	10	2	li.
TA725791	5.0	44	77	10	2	re.
TA725793	6.0	44	77	10	2	re.
TA725794	6.0	44	77	10	2	li.
TA725795	8.0	44	77	10	2	re.
TA725796	8.0	44	77	10	2	li.
TA725797	10.0	44	77	10	2	re.
TA725798	10.0	44	77	10	2	li.
TA725799	12.0	44	77	10	2	re.
TA725800	12.0	44	77	10	2	li.

Guide line
Rotation speed 1/min
3'000 – 9'000
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2 m/min
5'000 – 7'000 1/min	2 – 3 m/min
7'000 – 9'000 1/min	3 – 4 m/min

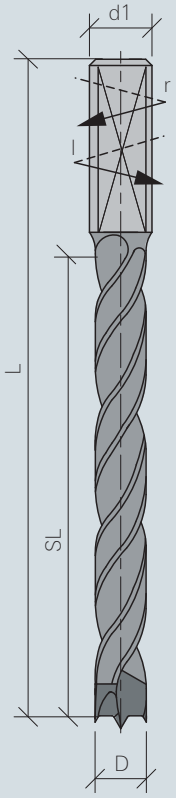
HW Dowel drill bit with heel

Application

- For drilling blind holes in solid wood, wood board and panel materials

Design

- Tungsten carbide
- With cut subdivision to reduce cutting forces
- Cylindrical shank with clamping surface and adjustment screw
- Rear guide for use with adjustable counterbores
- Spiral part, plastic coated
- MAN



L 85.0

Art. No.	D	SL	L	d1	Z	DR
TA720740	5.0	45	85	10	2	re.
TA720741	5.0	45	85	10	2	li.
TA720742	6.0	45	85	10	2	re.
TA720743	6.0	45	85	10	2	li.
TA720744	7.0	45	85	10	2	re.
TA720745	7.0	45	85	10	2	li.
TA720746	8.0	45	85	10	2	re.
TA720747	8.0	45	85	10	2	li.
TA720748	10.0	45	85	10	2	re.
TA720749	10.0	45	85	10	2	li.
TA720750	12.0	45	85	10	2	re.
TA720751	12.0	45	85	10	2	li.

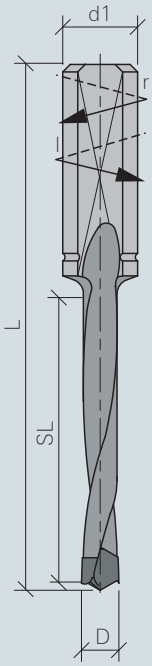
L 105.0

Art. No.	D	SL	L	d1	Z	DR
TA720760	5.0	65	105	10	2	re.
TA720761	5.0	65	105	10	2	li.
TA720762	6.0	65	105	10	2	re.
TA720763	6.0	65	105	10	2	li.
TA720764	7.0	65	105	10	2	re.
TA720765	7.0	65	105	10	2	li.
TA720766	8.0	65	105	10	2	re.
TA720767	8.0	65	105	10	2	li.
TA720768	10.0	65	105	10	2	re.
TA720769	10.0	65	105	10	2	li.
TA720770	12.0	65	105	10	2	re.
TA720771	12.0	65	105	10	2	li.

Guide line

Rotation speed 1/min
3'000 – 8'000
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2 m/min
5'000 – 7'000 1/min	2 – 3 m/min
7'000 – 8'000 1/min	3 – 4 m/min



HW Dowel drill bit with flat tip

Application

- For drilling blind holes in solid wood, wood board and panel materials
- Suitable for panel materials with delicate coatings

Design

- Tungsten carbide
- Offset spiral for reduced friction
- Negatively ground and reinforced spurs
- Flat centre tip
- Cylindrical shank with clamping surface and adjustment screw
- Spiral part, plastic coated
- MAN

L 57.5

Art. No.	D	SL	L	d1	Z	DR
TA725500	5.0	27	57.5	10	2	re.
TA725501	5.0	27	57.5	10	2	li.
TA725504	6.0	27	57.5	10	2	re.
TA725505	6.0	27	57.5	10	2	li.
TA725502	8.0	27	57.5	10	2	re.
TA725503	8.0	27	57.5	10	2	li.
TA725515	10.0	27	57.5	10	2	re.
TA725516	10.0	27	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TA725506	5.0	35	70	10	2	re.
TA725507	5.0	35	70	10	2	li.
TA725517	6.0	35	70	10	2	re.
TA725518	6.0	35	70	10	2	li.
TA725508	8.0	35	70	10	2	re.
TA725509	8.0	35	70	10	2	li.
TA725519	10.0	35	70	10	2	re.
TA725520	10.0	35	70	10	2	li.

Guide line

Rotation speed 1/min
3'000 – 9'000

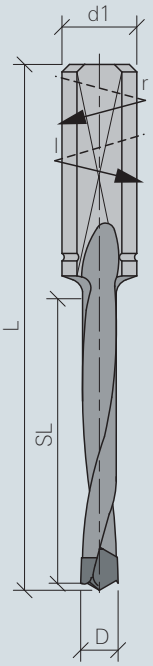
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2.5 m/min
5'000 – 7'000 1/min	2.5 – 4 m/min
7'000 – 9'000 1/min	4 – 5.5 m/min

HW Dowel drill bit with flat tip LONGLIFE

Application
- For drilling blind holes in solid wood, wood board and panel materials
- Suitable for panel materials with delicate coatings

Design
- Tungsten carbide
- 60° drill bit
- Offset spiral for reduced friction
- Negatively ground and reinforced spurs
- Flat centre tip
- Cylindrical shank with clamping surface and adjustment screw
- Highly increased tool life compared to uncoated version
- Spiral part, plastic coated
- MAN



L 57.5

Art. No.	D	SL	L	d1	Z	DR
TA725480	5.0	27	57.5	10	2	re.
TA725481	5.0	27	57.5	10	2	li.
TA725492	6.0	27	57.5	10	2	re.
TA725493	6.0	27	57.5	10	2	li.
TA725484	8.0	27	57.5	10	2	re.
TA725485	8.0	27	57.5	10	2	li.
TA725494	10.0	27	57.5	10	2	re.
TA725495	10.0	27	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TA725486	5.0	35	70	10	2	re.
TA725487	5.0	35	70	10	2	li.
TA725496	6.0	35	70	10	2	re.
TA725497	6.0	35	70	10	2	li.
TA725490	8.0	35	70	10	2	re.
TA725491	8.0	35	70	10	2	li.
TA725498	10.0	35	70	10	2	re.
TA725499	10.0	35	70	10	2	li.

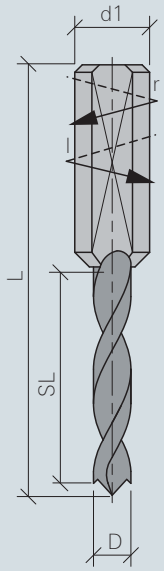
Guide line

Rotation speed 1/min

4'000 – 9'000

Range of application

Rotation speed	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2.5 m/min
5'000 – 7'000 1/min	2.5 – 4 m/min
7'000 – 9'000 1/min	4 – 5.5 m/min



VHW Dowel drill bit with flat tip and heel

Application

- For drilling blind holes in solid wood, wood board and panel materials
- Suitable for abrasive materials and panel materials with delicate, thin coatings

Design

- Solid tungsten carbide
- Alternate version featuring large chip space
- 60° drill bit
- Negatively ground and reinforced spurs
- Flat centre tip
- Cylindrical shank with clamping surface and adjustment screw
- Highly increased tool life compared to uncoated version
- Large regrinding area
- MAN

L 57.5

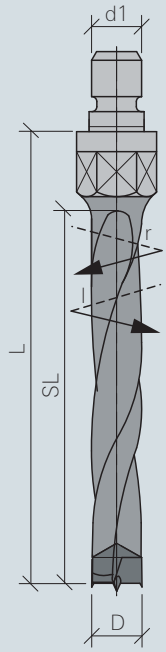
Art. No.	D	SL	L	d1	Z	DR
TA725450	2.5	14	57.5	10	2	re.
TA725451	2.5	14	57.5	10	2	li.
TA725452	3.0	16	57.5	10	2	re.
TA725453	3.0	16	57.5	10	2	li.
TA725454	3.5	20	57.5	10	2	re.
TA725455	3.5	20	57.5	10	2	li.
TA725456	4.0	22	57.5	10	2	re.
TA725457	4.0	22	57.5	10	2	li.
TA725458	5.0	27	57.5	10	2	re.
TA725459	5.0	27	57.5	10	2	li.
TA725460	6.0	27	57.5	10	2	re.
TA725461	6.0	27	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TA725462	3.0	27	70	10	2	re.
TA725463	3.0	27	70	10	2	li.
TA725464	3.5	30	70	10	2	re.
TA725465	3.5	30	70	10	2	li.
TA725466	4.0	32	70	10	2	re.
TA725467	4.0	32	70	10	2	li.
TA725468	5.0	35	70	10	2	re.
TA725469	5.0	35	70	10	2	li.
TA725470	6.0	35	70	10	2	re.
TA725471	6.0	35	70	10	2	li.

Guide line
Rotation speed 1/min
3'000 – 9'000
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	2 – 3 m/min
5'000 – 7'000 1/min	3 – 5 m/min
7'000 – 9'000 1/min	5 – 6 m/min



HW Dowel drill bit with threaded shank

Application

- For drilling blind holes in solid wood, wood board and panel materials

Design

- Tungsten carbide
- Offset spiral for reduced friction
- With centre tip and spur
- Shank with M8 external thread with snug fit 11x4
- Shank with thread M8 without snug fit
- Spiral part, plastic coated
- MAN

L 63.0

Art. No.	D	SL	L	d1	Z	DR
TA725132	6.0	45	63	M10	2	re.
TA725133	6.0	45	63	M10	2	li.
TB700101	6.0	45	63	M8	2	re.
TB700102	6.0	45	63	M8	2	li.
TA725134	8.0	45	63	M10	2	re.
TA725135	8.0	45	63	M10	2	li.
TB700095	8.0	45	63	M8	2	re.
TB700096	8.0	45	63	M8	2	li.
TA725136	10.0	45	63	M10	2	re.
TA725137	10.0	45	63	M10	2	li.
TB700097	10.0	45	63	M8	2	re.
TB700098	10.0	45	63	M8	2	li.
TA725138	12.0	45	63	M10	2	re.
TA725139	12.0	45	63	M10	2	li.
TB700099	12.0	45	63	M8	2	re.
TB700100	12.0	45	63	M8	2	li.

Guide line

Rotation speed 1/min

3'000 – 9'000

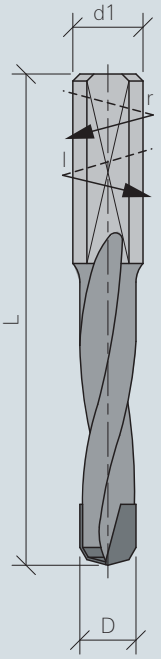
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2 m/min
5'000 – 7'000 1/min	2 – 3 m/min
7'000 – 9'000 1/min	3 – 4 m/min

DP Dowel drill bit with flat tip

Application
- For drilling blind holes in abrasive materials, MDF, HDF, plaster boards and fire-retardant panel materials
- Not suitable for dense materials such as Corian and Trespa

Design
- Diamond
- Flat centre tip in two-bevel version
- Cylindrical shank with clamping surface and adjustment screw
- High radial runout accuracy
- Can be reground two or three times
- MEC



L 70.0

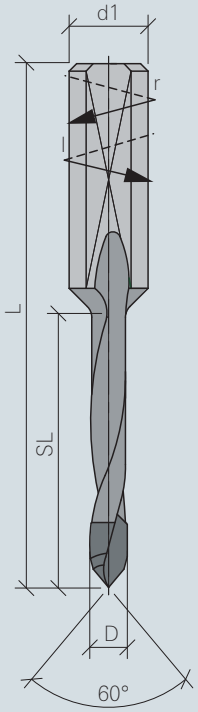
Art. No.	D	L	d1	Z	DR
TB700072	8.0	70	10	2	li.
TB700073	8.0	70	10	2	re.

Guide line

Rotation speed 1/min
4'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
4'000 – 5'000 1/min	2 – 3 m/min
5'000 – 7'000 1/min	3 – 4 m/min
7'000 – 9'000 1/min	4 – 5 m/min



HW Through-hole drill bit

Application

- For drilling through holes in solid wood, wood board and panel materials

Design

- Tungsten carbide
- Offset spiral for reduced friction
- V-point tip 60°
- Cylindrical shank with clamping surface and adjustment screw
- Spiral part, plastic coated
- MAN

L 57.5

Art. No.	D	SL	L	d1	Z	DR
TB700013	3.0	27	57.7	10	2	re.
TB700151	4.0	25	57.5	10	2	li.
TB700152	4.0	25	57.5	10	2	re.
TA726003	4.5	25	57.5	10	2	re.
TA726004	4.5	25	57.5	10	2	li.
TA726005	5.0	25	57.5	10	2	re.
TA726006	5.0	25	57.5	10	2	li.
TA726012	5.1	25	57.5	10	2	re.
TA726013	5.1	25	57.5	10	2	li.
TA726017	6.0	25	57.5	10	2	re.
TA726018	6.0	25	57.5	10	2	li.
TA726014	7.0	25	57.5	10	2	re.
TA726019	7.0	25	57.5	10	2	li.
TA726015	8.0	25	57.5	10	2	re.
TA726016	8.0	25	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TB700014	3.0	27	70	10	2	re.
TB700157	3.0	27	70	10	2	li.
TB700158	4.0	35	70	10	2	li.
TB700159	4.0	35	70	10	2	re.
TA726022	4.5	35	70	10	2	re.
TA726023	4.5	35	70	10	2	li.
TA726010	5.0	35	70	10	2	re.
TA726011	5.0	35	70	10	2	li.
TA725664	5.1	35	70	10	2	re.
TA725665	5.1	35	70	10	2	li.
TB700153	5.5	35	70	10	2	re.
TB700160	5.5	35	70	10	2	li.
TA726008	6.0	35	70	10	2	re.
TA726009	6.0	35	70	10	2	li.
TB700103	6.5	35	70	10	2	re.
TB700104	6.5	35	70	10	2	li.
TA726024	7.0	35	70	10	2	re.
TA726025	7.0	35	70	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TB700154	7.5	35	70	10	2	re.
TA726020	8.0	35	70	10	2	re.
TA726021	8.0	35	70	10	2	li.
TB700155	8.5	35	70	10	2	li.
TB700156	8.5	35	70	10	2	re.
TA726026	10.0	35	70	10	2	re.
TA726027	10.0	35	70	10	2	li.
TA726028	12.0	35	70	10	2	re.
TA726029	12.0	35	70	10	2	li.

L 77.0

Art. No.	D	SL	L	d1	Z	DR
TA726030	5.0	40	77	10	2	re.
TA726031	5.0	40	77	10	2	li.
TA726032	6.0	40	77	10	2	re.
TA726033	6.0	40	77	10	2	li.
TA726040	7.0	40	77	10	2	re.
TA726041	7.0	40	77	10	2	li.
TA726034	8.0	40	77	10	2	re.
TA726035	8.0	40	77	10	2	li.
TA726036	10.0	40	77	10	2	re.
TA726037	10.0	40	77	10	2	li.
TA726038	12.0	40	77	10	2	re.
TA726039	12.0	40	77	10	2	li.

L 100.0

Art. No.	D	SL	L	d1	Z	DR
TB700062	6.0	35	100	10	2	re.

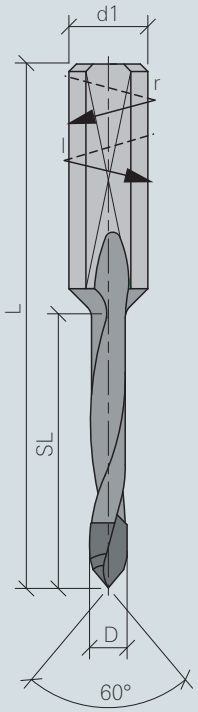
Guide line

Rotation speed 1/min

3'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2 m/min
5'000 – 7'000 1/min	2 – 3 m/min
7'000 – 9'000 1/min	3 – 4 m/min



HW Through-hole drill LONGLIFE

Application

- For drilling through holes in solid wood, wood board and panel materials

Design

- Tungsten carbide
- 60° drill bit
- Offset spiral for reduced friction
- V-point tip 60°
- Cylindrical shank with clamping surface and adjustment screw
- Highly increased tool life compared to uncoated version
- Spiral part, plastic coated
- MAN

L 57.5

Art. No.	D	SL	L	d1	Z	DR
TA726050	5.0	27	57.5	10	2	re.
TA726051	5.0	27	57.5	10	2	li.

L 70.0

Art. No.	D	SL	L	d1	Z	DR
TB700161	4.0	35	70	10	2	li.
TB700162	4.0	35	70	10	2	re.
TA726060	5.0	35	70	10	2	re.
TA726061	5.0	35	70	10	2	li.
TB700163	6.0	35	70	10	2	li.
TB700164	6.0	35	70	10	2	re.
TA726064	8.0	35	70	10	2	re.
TA726065	8.0	35	70	10	2	li.
TB700165	10.0	35	70	10	2	li.
TB700166	10.0	35	70	10	2	re.

Guide line

Rotation speed 1/min
3'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2 m/min
5'000 – 7'000 1/min	2 – 3 m/min
7'000 – 9'000 1/min	3 – 4 m/min

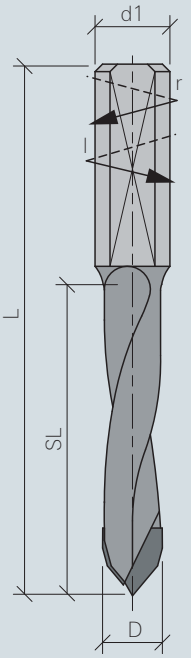
DP Through-hole drill bit

Application

- For drilling through holes in abrasive materials, MDF, HDF, plaster boards and fire-retardant panel materials

Design

- Diamond
- With V-point tip and double bevel
- Cylindrical shank with clamping surface and adjustment screw
- High radial runout accuracy
- Can be reground once or twice
- MEC



L 70.0

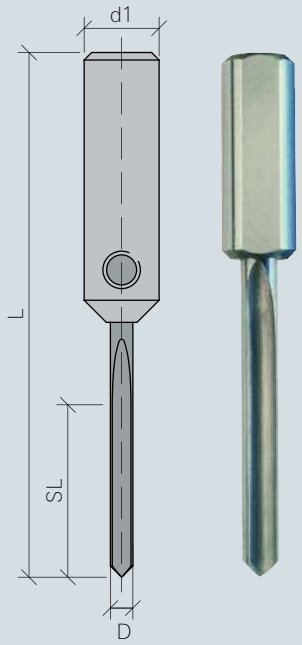
Art. No.	D	SL	L	d1	Z	DR
TB700107	8.0	35	70	10	2	li.
TB700108	8.0	35	70	10	2	re.

Guide line

Rotation speed 1/min
4'000 – 9'000

Range of application

Rotation speed 1/min	Axial feed speed vf
4'000 – 5'000 1/min	2 – 3 m/min
5'000 – 7'000 1/min	3 – 4 m/min
7'000 – 9'000 1/min	4 – 5 m/min



VHW drill

Application
- For drilling blind holes in solid wood, wood board and panel materials
- Suitable for abrasive materials and panel materials with delicate, thin coatings

Design
- Solid tungsten carbide
- Axially parallel cutting edges
- D<4 mm cylindrical, D>4 mm with shank 10 mm, clamping surface and adjustment screw
- For right and left hand rotation

Art. No.	D	SL	L	d1	Z	DR
TB700120	2.5	15	70	10	2	li./re.
TB700121	3.0	23	70	10	2	li./re.
TB700122	3.5	30	70	10	2	li./re.
TB700123	4.0	32	70	10	2	li./re.
TB700124	5.0	35	70	10	2	li./re.
TB700125	6.0	35	70	10	2	li./re.
TB700126	8.0	35	70	10	2	li./re.

Guide line

Rotation speed 1/min
3'000 – 9'000

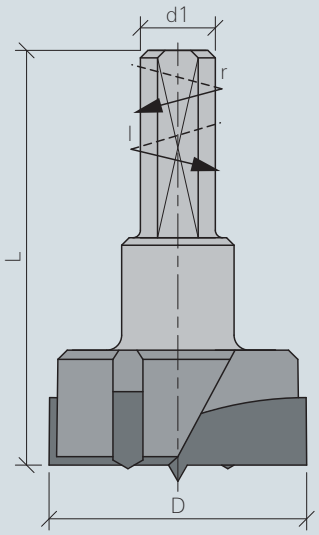
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1.5 – 2.5 m/min
5'000 – 7'000 1/min	2.5 – 4 m/min
7'000 – 9'000 1/min	4 – 5.5 m/min

HW Machine bit

Application
- For drilling blind holes in solid wood, wood board and panel materials

Design
- Tungsten carbide
- 2 knives, 2 negative spurs and centre tip
- Cylindrical shank with clamping surface and adjustment screw



L 57.5

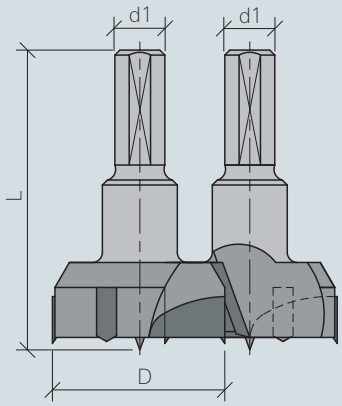
Art. No.	D	L	d1	Z	DR
TA725690	15.0	57.5	10	4 (2+2)	re.
TA725691	15.0	57.5	10	4 (2+2)	li.
TA725670	20.0	57.5	10	4 (2+2)	re.
TA725671	20.0	57.5	10	4 (2+2)	li.
TA725674	25.0	57.5	10	4 (2+2)	re.
TA725675	25.0	57.5	10	4 (2+2)	li.
TA725680	30.0	57.5	10	4 (2+2)	re.
TA725681	30.0	57.5	10	4 (2+2)	li.
TA725692	35.0	57.5	10	4 (2+2)	re.
TA725693	35.0	57.5	10	4 (2+2)	li.
TA725694	40.0	57.5	10	4 (2+2)	re.

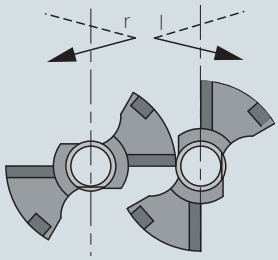
L 70.0

Art. No.	D	L	d1	Z	DR
TA725821	15.0	70	10	4 (2+2)	re.
TA725822	15.0	70	10	4 (2+2)	li.
TA725823	20.0	70	10	4 (2+2)	re.
TA725824	20.0	70	10	4 (2+2)	li.
TA725825	25.0	70	10	4 (2+2)	re.
TA725826	25.0	70	10	4 (2+2)	li.
TA725827	30.0	70	10	4 (2+2)	re.
TA725828	30.0	70	10	4 (2+2)	li.
TB700005	34.0	70	10	2	re.
TB700076	34.0	70	10	4 (2+2)	li.
TB700077	34.0	70	10	4 (2+2)	re.
TA725829	35.0	70	10	4 (2+2)	re.
TA725830	35.0	70	10	4 (2+2)	li.

L 77.0

Art. No.	D	L	d1	Z	DR
TB700068	25.0	77	10	4 (2+2)	re.
TB700069	25.0	77	10	4 (2+2)	li.





HW Forstner bit, double-headed

Application
- For drilling precise, blind-holes for double-head hinges

Design
- Tungsten carbide
- Cylindrical shank with clamping surface and adjustment screw

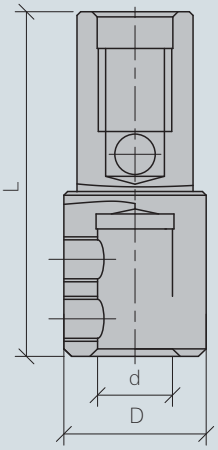
L 57.5

Art. No.	Type	D	L	d1	Z	DR
TB700066	Drill set	30.0	57.5	10	2	li./re.
TB700063	Single Drill	30.0	57.5	10	2	li.
TB700064	Single Drill	30.0	57.5	10	2	re.
TB700067	Drill set	34.0	57.5	10	2	li./re.
TB700006	Single Drill	34.0	57.5	10	2	re.
TB700060	Single Drill	34.0	57.5	10	2	li.

Drill chuck

Application

- Drill chuck for holding drills with cylindrical shank 10 mm with clamping surface

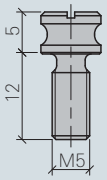


Art. No.	Type	D	L	d	Index
TA725553	Ayen/Mayer/Holma re	19	40	10	1
TA725554	Ayen/Mayer/Holzma li	19	40	10	2
TA725564	Nottmeyer li.	19	40	10	3
TA725574	Nottmeyer li.	19	40	10	4
TA725563	Nottmeyer re.	19	40	10	5
TA725573	Nottmeyer re.	19	40	10	6
TA725544	Torwegge/Weeke li.	19	41	10	7
TA725543	Torwegge/Weeke re.	19	41	10	8
TA725584	Scheer li.	19	46	10	9
TA725583	Scheer re.	19	46	10	10
TA725534	Bilek/Schleicher li.	19	47	10	11
TA725533	Bilek/Schleicher re.	19	47	10	12
TA725524	Bilek, Type K+N li.	19	51	10	13
TA725523	Bilek, Type K+N re.	19	51	10	14
TA725578	Nottmeyer li.	19	52	10	15
TA725577	Nottmeyer re.	19	52	10	16
TA725550		19	55	10	17

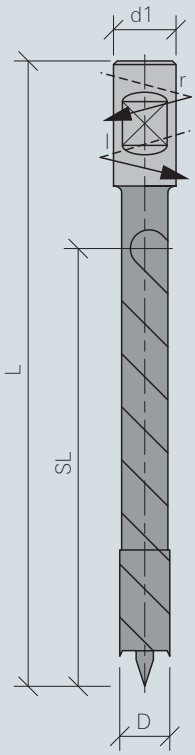
Spare parts

Art.No.		Index
TA851199	Set screws, M=6 L=6 type=ISK 3	1-17

Screw for distance



Art. No.	L	M
TA851270	17	5



VHW SPRINT dowel drill bit

Application

- For drilling blind holes in solid wood
- Suitable for deep dowel holes in end-grain for window corner joints

Design

- Solid tungsten carbide
- High-performance drills
- Alternate version featuring large chip space
- With cut subdivision to reduce cutting forces
- 60° drill bit
- Offset spiral for reduced friction
- Cylindrical shank with clamping surface
- Highly increased tool life compared to uncoated version
- Very large regrinding area
- MAN

Art. No.	D	SL	L	d1	Z	DR
TB700065	6.0	90	125	10	2	re.
TB700053	8.0	67	100	10	2	re.
TB700054	8.0	67	100	10	2	li.
TB700022	8.0	65	105	10	2	li.
TB700023	8.0	65	105	10	2	re.
TB700000	8.0	75	115	10	2	li.
TB700001	8.0	75	115	10	2	re.
TB700024	8	90	125	10	2	re.
TB700025	8.0	90	125	10	2	li.
TB700026	10.0	75	110	10	2	re.

Guide line

Rotation speed 1/min
3'000 – 8'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	2 – 3 m/min
5'000 – 7'000 1/min	3 – 5 m/min
7'000 – 8'000 1/min	5 – 6 m/min

HW Dowel drill bit with heel

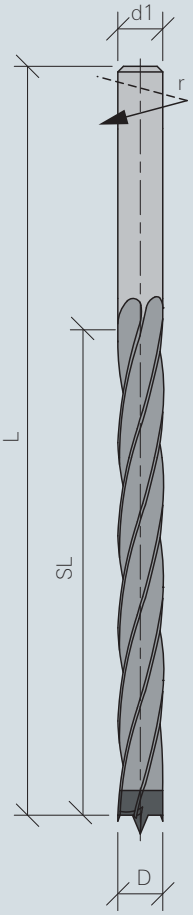
Application

- For drilling blind holes in solid wood, wood board and panel materials
- Drill presses, hand drills and CNC machining centres

Design

- High-end version for the most demanding requirements
- 2 knives and negative spur
- Centre tip
- Cylindrical shank

Art. No.	D	SL	L	d1	Z	DR
TB700032	4.0	55	80	4	2	re.
TB700033	4.5	60	85	4.5	2	re.
TA720050	5.0	60	90	5	2	re.
TB700034	5.5	65	100	5.5	2	re.
TA720052	6.0	65	100	6	2	re.
TB700035	6.5	70	110	6.5	2	re.
TB700036	7.0	70	110	7	2	re.
TA720056	8.0	75	120	8	2	re.
TB700037	8.5	80	130	8.5	2	re.
TB700038	9.0	80	130	9	2	re.
TA720060	10.0	90	140	10	2	re.
TB700039	11.0	95	150	11	2	re.
TA720062	12.0	100	155	12	2	re.
TB700011	12.0	105	170	13	2	re.
TB700012	13.0	105	175	13	2	re.
TA720064	14.0	115	180	13	2	re.
TA720065	15.0	120	185	13	2	re.
TA720066	16.0	125	190	16	2	re.
TA720068	18.0	130	200	16	2	re.
TA720070	20.0	140	210	16	2	re.

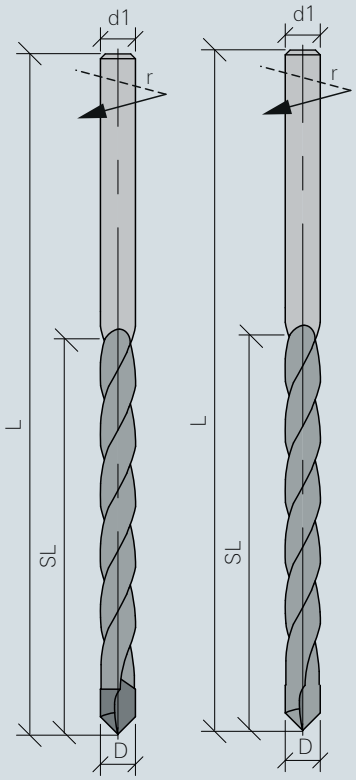


HS Dowel drill bit with heel

Application
- For drilling blind holes in solid wood
- Drill presses, hand drills and CNC machining centres

Design
- High-speed steel (HS)
- 2 knives and negative spur
- Centre tip
- Cylindrical shank

Art. No.	D	SL	L	d1	Z	DR
TA720002	3.0	30	61	3	2	re.
TA720004	4.0	43	75	4	2	re.
TA720006	5.0	57	86	5	2	re.
TB700020	6.5	63	100	6.5	2	re.
TB700017	7.0	69	108	7	2	re.
TB700042	8.0	100	150	8	2	re.
TB700044	10.0	100	150	10	2	re.



HW/VHW Through-hole drill bit

Application
- For drilling through holes in solid wood, wood board and panel materials

Design
- Solid tungsten carbide
- High-end version for the most demanding requirements
- Cylindrical shank
- MAN

Art. No.	Type	D	SL	L	d1	Z	DR
TA720080	HW	7.0	80	137	7	2	re.
TA720081	HW	8.5	80	137	8.5	2	re.
TB700113	VHW	8.5	80	137	8.8	2	re.

Guide line

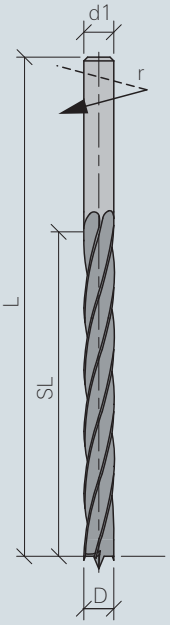
Rotation speed 1/min
3'000 – 5'000
Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	2 – 4 m/min

HS Dowel drill bit with heel

Application
- For drilling blind holes in solid wood
- Drill presses, hand drills and CNC machining centres

Design
- High-speed steel (HS)
- 2 knives and negative spur
- Centre tip
- Cylindrical shank

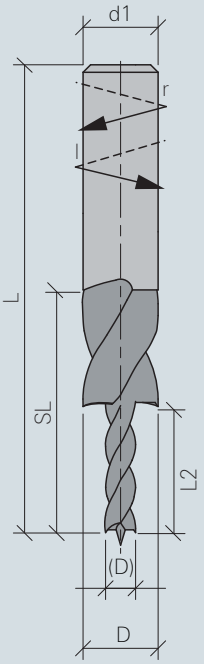


Art. No.	D	SL	L	d1	Z	DR
TB700040	5.5	57	92	5.5	2	re.
TA720008	6.0	57	93	6	2	re.
TB700041	7.0	69	108	7	2	re.
TA720013	8.0	75	117	8	2	re.
TB700043	9.0	80	125	9	2	re.
TA720017	10.0	87	133	10	2	re.
TB700029	11.0	100	140	10	2	re.
TB700045	11.0	95	150	11	2	re.
TB700055	12.0	100	140	10	2	re.
TA720021	12.0	96	151	12	2	re.
TB700030	13.0	100	140	10	2	re.
TB700056	14.0	100	140	10	2	re.
TB700031	15.0	100	140	10	2	re.
TB700057	16.0	100	140	10	2	re.
TB700058	18.0	100	140	10	2	re.
TB700059	20.0	100	140	10	2	re.

VHW Stepped drill

Application
- For drilling bar holders and masonry fixings

Design
- Solid tungsten carbide
- Pilot drills with centring tip and spur
- 2 knives, 2 negative spurs and centre tip
- Cylindrical shank



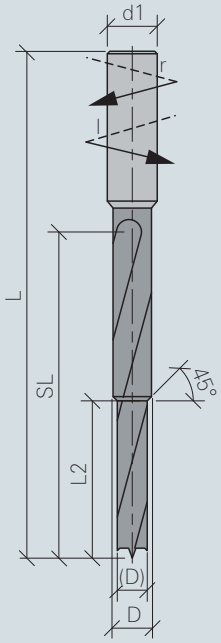
Art. No.	D	SL	L	L2	d1	Z	DR
TB700051	7.2/6.3	64	105	24	10	2	re.
TB700052	7.7/6.7	65	105	30	10	2	re.
TB700016	11/5	70	120	12	8	2	li.
TB700019	12.4/9.6/7.0	52	100	14/7.2	10	2	re.
TB700018	16/13	35	100	15.2	10	2	re.

Guide line

Rotation speed 1/min
3'000 – 4'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 4'000 1/min	2 – 2.5 m/min



HS Stepped drill

Application

- For stepped boreholes
- Suitable for ANUBA, Simons and other hinge fittings

Design

- High-speed steel (HS)
- Pilot drills with centring tip and spur
- Optional tungsten carbide coating for maximum tool life
- Shank either cylindrical or M10

Art. No.	D	SL	L	L2	d1	Z	DR
TB700046	6.8/6	65	105	15	10	2	re.
TA725430	7.2/5.8	65	100	30	10	2	re.
TB700047	7.2/6.3	64	105	24	10	2	re.
TA725435	7.7/6	70	90	30	M10	2	re.
TA725431	7.7/6	65	100	30	10	2	re.
TB700048	7.7/6.7	65	105	30	10	2	li.
TA725436	8.7/7.3	70	90	30	M10	2	re.
TA725432	8.7/7.3	65	100	30	10	2	re.
TB700049	8.7/7.7	65	105	30	10	2	re.
TA725437	9.8/8.4	70	90	30	M10	2	re.
TA725433	9.8/8.1	65	100	30	10	2	re.
TB700050	9.8/8.8	65	105	30	10	2	re.

Guide line

Rotation speed 1/min

3'000 – 4'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 4'000 1/min	2 – 2,5 m/min

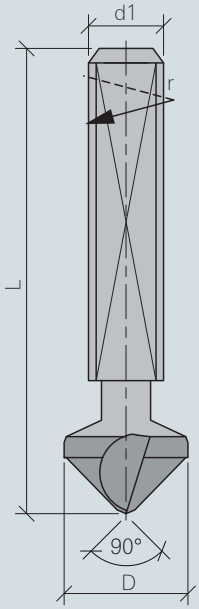
HS Countersink 90°

Application

- For countersinking pre-drilled boreholes in solid wood

Design

- High-speed steel (HS)
- 3 knives
- Cylindrical shank
- TA724014 in combination with clamping chuck TA725550
- MAN



Art. No.	D	L	d1	Z	alpha	DR	Index
TA724002	10.4	47	6	3	90°	re.	1
TA724003	12.4	58	8	3	90°	re.	2
TA724005	16.5	62	10	3	90°	re.	3
TA724014	20.5	35	10	3	90°	re.	4
TA724010	20.5	65	10	3	90°	re.	5
TA724012	25.0	69	10	3	90°	re.	6

Guide line

Rotation speed 1/min

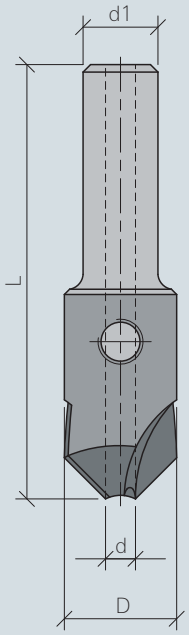
3'000 – 5'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1 – 3 m/min

Spare parts

Art.No.		Index
TA725550	Clamping chuck for TA724014, d=10 D=19 L=55	4
TA851199	Set screws, M=6 L=6 type=ISK 3	4



HW Counterbore 90°

Application
- For countersinking boreholes in solid wood and panel materials

Design
- Tungsten carbide
- 2 knives
- Cylindrical shank
- MAN

Art. No.	D	L	d1	d	Z	alpha	DR	Index
TA721050	15.0	58	10	3	2	90°	re.	1
TB700167	15	58	10	3.5	2	90°	re.	2
TB700168	15	58	10	3.5	2	90°	re.	3
TA721052	15.0	58	10	4	2	90°	re.	4
TA721054	15.0	58	10	5	2	90°	re.	5
TB700169	15	58	10	5.5	2	90°	re.	6
TA721056	15.0	58	10	6	2	90°	re.	7

Guide line

Rotation speed 1/min
3'000 – 5'000

Range of application

Rotation speed 1/min	Axial feed speed vf
3'000 – 5'000 1/min	1 – 3 m/min

Spare parts

Art.No.		Index
TA851199	Set screws, M=6 L=6 type=ISK 3	1-5, 7

7

Clamping systems

HSK collet chuck

Application
- For clamping shank tools with cylindrical shank
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground precision version
- Independent of direction of rotation
- Increased clamping force through ball-bearing clamping nut
- Finely balanced

HSK 63E

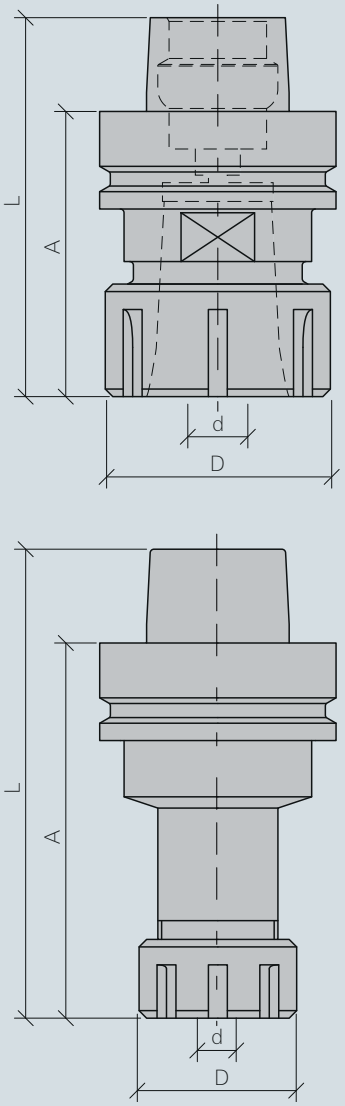
Art. No.	Type	d	A	D	L	n max	Index
TA676904	HSK 63E / ER 40	3-25	78	60	111	24'000	3

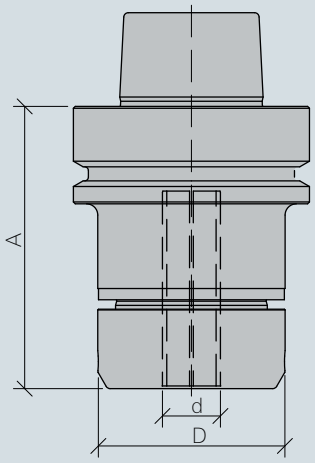
HSK 63F

Art. No.	Type	d	A	D	L	n max	Index
TA676996	HSK 63F / ER 25	3-16	100	42	125	24'000	1
TA676909	HSK 63F / E 462	3-25	79	60	104	24'000	2
TB676900	HSK 63F / ER 40	3-25	95	63	120	24'000	4

Spare parts

Art.No.		Index
TA676933	Clamping nuts type=ER 25, M=32x1.5	1
TA676954	Clamping nuts type=E 462, M=48x2	2
TA850115	Hook wrench type=ER 25	1
TA850125	Hook wrench type=E 462 + ER 40	2, 3, 4
TB851029	Clamping nuts type=ER 40, M=50x1.5	3, 4





Collet chuck PREZISO

Application
- For high-precision clamping tools with cylindrical solid carbide- and steel shanks
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground precision version
- Increased clamping force through ball-bearing clamping nut
- Highest concentricity

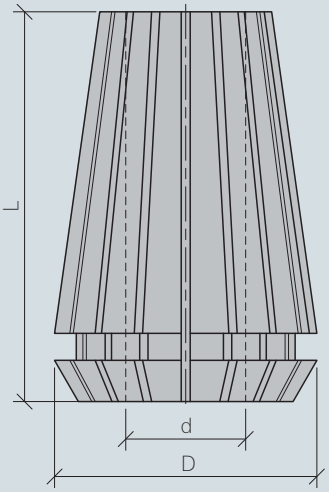
Art. No.	Type	d	A	D
TB676902	HSK 63F / E 462	3-25	75	50

Spare parts

Art.No.	
TB100530	Hook wrench PREZISO, type=E 462, for < D50 mm
TB100531	Hook wrench PREZISO, type=E 462, for > D51 mm

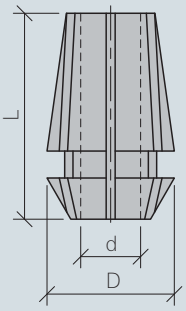
Collet E 462

Art. No.	d	D	L
TA676962	3	35.05	52
TA676964	4	35.05	52
TA676965	5	35.05	52
TA676966	6	35.05	52
TA676991	6.35	35.05	52
TA676967	7	35.05	52
TA676968	8	35.05	52
TA676969	9	35.05	52
TA676970	10	35.05	52
TA676972	12	35.05	52
TA676973	13	35.05	52
TA676974	14	35.05	52
TA676975	15	35.05	52
TA676976	16	35.05	52
TA676978	18	35.05	52
TA676980	20	35.05	52
TA676985	25	35.05	52



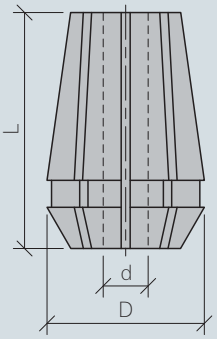
Collet ER 16

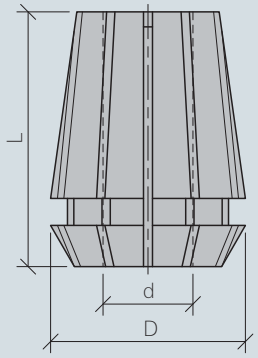
Art. No.	d	D	L
TA676820	6	17	27.5
TA676821	8	17	27.5
TA676822	10	17	27.5



Collet ER 20

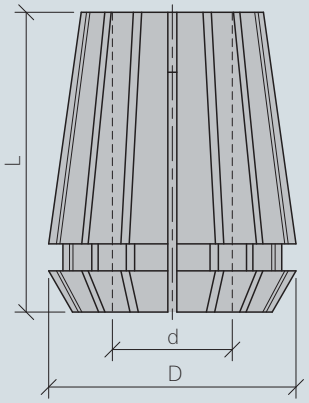
Art. No.	d	D	L
TA676833	6	21	31.5
TA676834	8	21	31.5
TA676835	10	21	31.5
TA676836	12	21	31.5





Collet ER 25

Art. No.	d	D	L
TA676823	3	26	34
TB677004	3.5-4.5	26	34
TB677003	4-3	26	34
TB677005	5	26	34
TA676824	6	26	34
TB677006	7	26	34
TA676825	8	26	34
TB677001	9-8	26	34
TA676826	10	26	34
TA676827	12	26	34
TB677002	12-13	26	34
TA676828	14	26	34
TA676829	16	26	34

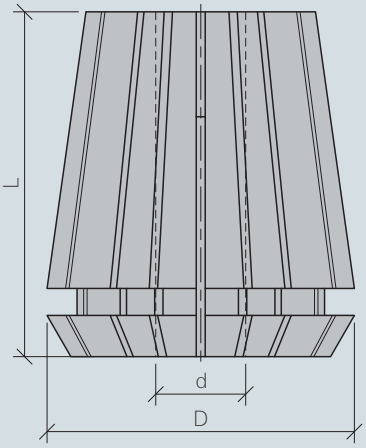


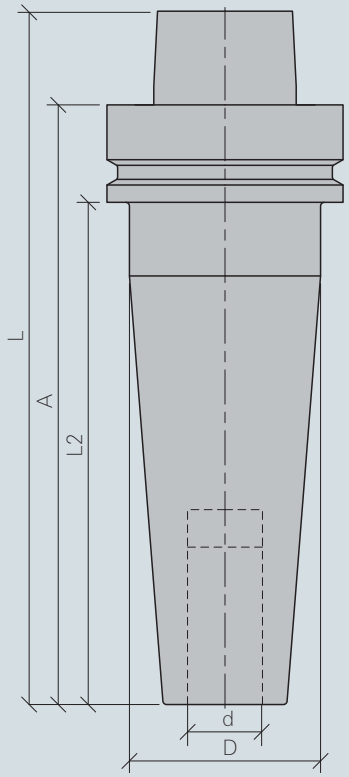
Collet ER 32

Art. No.	d	D	L
TA676170	3	33	40
TA676171	4	33	40
TA676173	6	33	40
TA676169	6.35	33	40
TA676175	8	33	40
TA676177	10	33	40
TA676179	12	33	40
TA676181	14	33	40
TA676183	16	33	40
TA676185	18	33	40
TA676187	20	33	40

Collet ER 40

Art. No.	d	D	L
TA676995	3	41	46
TA676910	4	41	46
TA676912	6	41	46
TA676914	8	41	46
TA676916	10	41	46
TA676918	12	41	46
TA676923	14	41	46
TA676920	16	41	46
TA676924	18	41	46
TA676921	20	41	46
TA676922	25	41	46





Thermal shrink chuck HSK

Application
- For high-precision clamping tools with cylindrical solid carbide- and steel shanks
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground precision version
- Slimline design
- Independent of direction of rotation
- Clamping by means of thermal shrinkage
- Finely balanced
- Balanced for speeds of up to 18,000 rpm

HSK 63F

Art. No.	Type	d	A	L2	D	L	n max
TB676502	HSK 63F	6	75	49	27	100	24'000
TB676503	HSK 63F	8	75	49	27	100	24'000
TB676504	HSK 63F	10	75	49	32	100	24'000
TA676790	HSK 63F	12	75	49	34	100	24'000
TB676501	HSK 63F	14	75	49	34	100	24'000
TA676791	HSK 63F	16	75	49	34	100	24'000
TA676792	HSK 63F	20	75	49	42	100	24'000
TA676793	HSK 63F	25	75	49	42	100	24'000
TA207620	HSK 63F	20	160	134	51	185	24'000

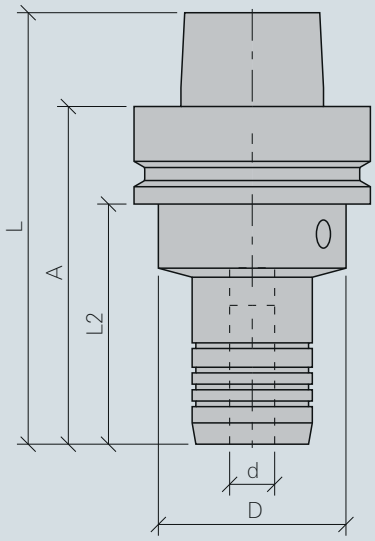
HSK 63E

Art. No.	Type	d	A	L2	D	L	n max
TB676510	HSK 63E	6	80	54	27	112	24'000
TB676511	HSK 63E	8	80	54	27	112	24'000
TB676512	HSK 63E	10	85	59	32	117	24'000
TB676513	HSK 63E	12	90	64	32	122	24'000
TB676514	HSK 63E	16	95	69	34	127	24'000
TB676515	HSK 63E	20	100	74	42	132	24'000
TB676516	HSK 63E	25	115	89	53	147	24'000

Hydro Clamping chuck HSK

Application
- For high-precision clamping tools with cylindrical solid carbide- and steel shanks
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground precision version
- Robust design
- Independent of direction of rotation
- Clamping by means of valve technology
- Easy to use
- Form-fitting knife clamping system
- Balanced for speeds of up to 18,000 rpm



HSK 63E

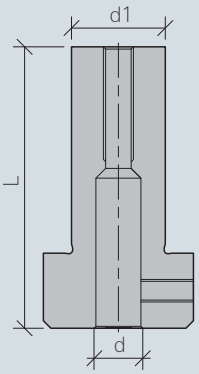
Art. No.	Type	d	A	L2	D	L	n max
TB676003	HSK 63E	12	90	45	50	122	24'000
TB676006	HSK 63E	18	95	53	50	127	24'000
TB676007	HSK 63E	20	100	58	50	132	24'000
TB676005	HSK 63E	16	95	52	63	127	24'000

HSK 63F

Art. No.	Type	d	A	L2	D	L	n max
TA676795	HSK 63F	12	80	47	50	105	24'000
TA676796	HSK 63F	16	80	47	50	105	24'000
TA676797	HSK 63F	20	80	47	50	105	24'000
TA676798	HSK 63F	25	80	58	53	105	24'000

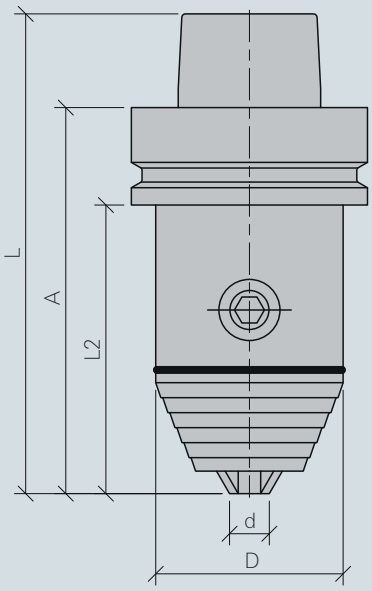
Adaptor for clamping chuck Hydro

Art. No.	d	L	d1	n max	Index
TA680284	6	75	25	24'000	1
TA680285	6.35	75	25	24'000	2
TA680286	8	75	25	24'000	3
TA680288	12	75	25	24'000	4



Spare parts

Art.No.		Index
TA851414	Set screws for adapter, M=6 L=12 type=ISK 3	1-4



Drill chuck

Application
- For clamping drills with cylindrical shank
- On CNC machining centres with automatic tool changer

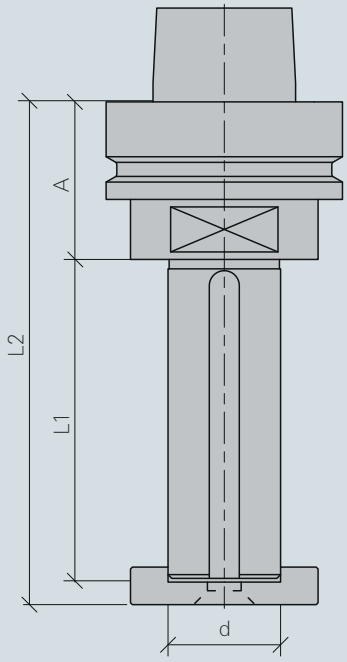
Design
- Independent of direction of rotation
- Easy to use
- Form-fitting knife clamping system
- Balanced for speeds of up to 18,000 rpm
- Infinitely adjustable clamping area

HSK63E

Art. No.	Type	d	A	L2	D	L	n max
TB677501	HSK 63E	3-16	106	80	57	138	18'000

HSK 63F

Art. No.	Type	d	A	L2	D	L	n max
TA676802	HSK 63F	1-13	104	78	50	129	18'000



HSK clamping shaft

Application
- Clamping shaft for holding tools with borehole
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground version
- Independent of direction of rotation
- Clamping by means of central screw
- Double keyway system prevents tools and clamping covers from rotating
- Finely balanced
- Balanced for speeds of up to 18,000 rpm

HSK 63E

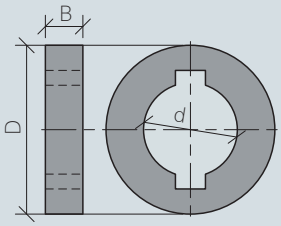
Art. No.	d	A	L2	n max
TB200084	25+DKN	42	149	18'000

HSK 63F

Art. No.	d	A	L2	n max
TB200080	25+DKN	42	134	18'000
TB200081	25+DKN	42	149	18'000
TB200082	25+DKN	42	179	18'000
TB200083	25+DKN	42	199	18'000

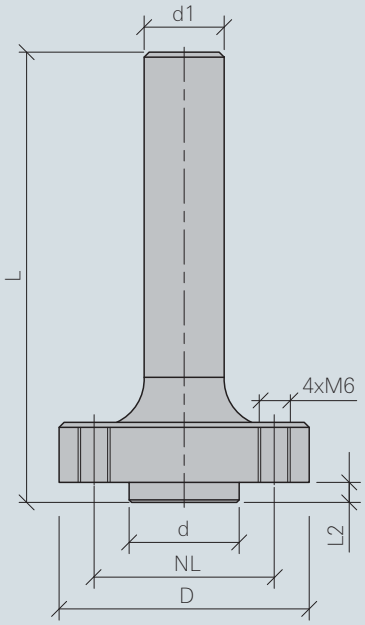
Spacer

Art. No.	D	d	B
TA207470	45	25+DKN	0.05
TA207480	45	25+DKN	0.05-1.00
TA207471	45	25+DKN	0.1
TA207472	45	25+DKN	0.2
TA207473	45	25+DKN	0.5
TA207474	45	25+DKN	1
TA207493	45	25+DKN	3
TA207475	45	25+DKN	4
TA207476	45	25+DKN	5
TA207666	45	25+DKN	8
TA207477	45	25+DKN	10
TA207667	45	25+DKN	15
TA207485	45	25+DKN	20
TA207512	45	25+DKN	38
TA207484	45	25+DKN	40
TA207483	45	25+DKN	60



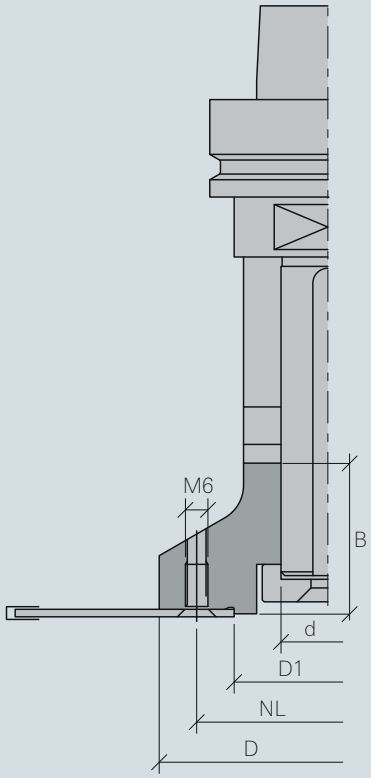
Shaft

Art. No.	D	L	L2	d1	d	NL	Index
TA680024	50	90	4	16	22	4/M6/36	1
TB100200	50	90	20	16	22	4/M6/38	2
TB100201	50	90	20	20	22	4/M6/38	3
TB100202	50	90	4	25	22	4/M6/36	4
TA680025	60	90	4	16	30	4/M6/48	5



Spare parts

Art.No.		Index
TA851060	Countersunk head screws, M=6 L=13 type=Torx 15	1-5
TB200540	Spacer with recess, D=60 d=30 B=2	5
TB200541	Spacer with recess, D=50 d=22 B=2	1



Saw flanges for clamping shaft

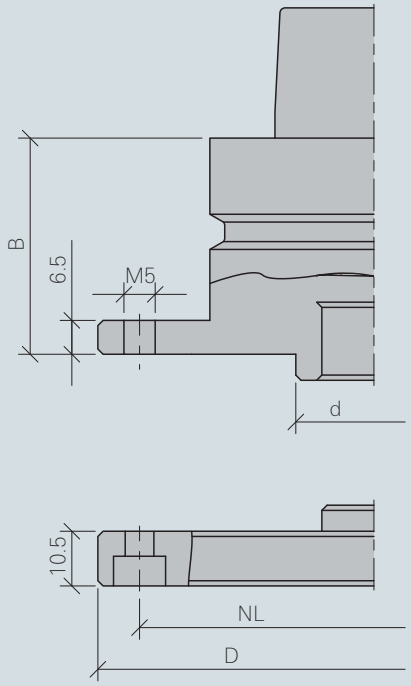
Application
- Mounting flange for holding circular saws with borehole
- On CNC machining centres with automatic tool changer

Design
- Independent of direction of rotation
- Suitable for OERTLI clamping shaft
- Clamping with 6 countersunk screws M6
- High radial and axial runout accuracy

Art. No.	D	d	B	d1	NL	Index
TA632006	90	25+DKN	40	50	6/M6/70	1
TA632007	100	25+DKN	40	50	6/M6/80	2
TB100207	120	25+DKN	40	60	6/M6/100	3

Spare parts

Art.No.		Index
TA851060	Countersunk head screws, M=6 L=13 type=Torx 15	1-3



Saw flanges

Application
- Mounting flange for holding circular saws with borehole
- On CNC machining centres with automatic tool changer

Design
- Hardened and ground version
- Independent of direction of rotation
- Clamping with 8 countersunk screws M5 or with additional clamping cover with 8 grub screws M5
- D>250 mm without clamping cover, D<250 mm with clamping cover
- High radial and axial runout accuracy

Art. No.	D	d	A	NL	Index
TA207621	106	30	40	8/M5/90	1
TB100205	106	30	50	8/M5/90	2

Spare parts

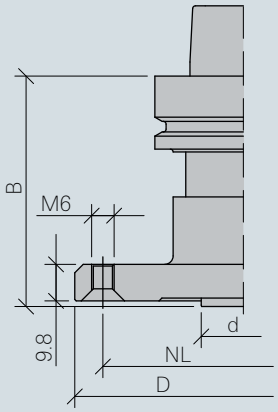
Art.No.		Index
TA851027	Countersunk head screws for saw flange, M=5 L=11.5 type=Torx 15	2

Saw flanges

Application
- Mounting flange for holding circular saws with borehole
- On CNC machining centres with automatic tool changer

Design
- Independent of direction of rotation
- Clamping with 6 countersunk screws M8
- High radial and axial runout accuracy

Art. No.	D	A	NL
TB100220	90	80	6/M8/75
TB100221	120	80	6/M8/75
TB100222	160	60	6/M8/75



8

Tool preparation

Cone cleaner

Application
- For gentler and more efficient cleaning of SK and HSK machine spindles

Design
- Solid tungsten carbide cutting head
- Fully coated for best resistance to oil and grease

Art. No.	Type
TB630001	Machine spindles HSK 63E
TA635115	Machine spindles HSK 63F
TA635113	Machine spindles SK 30
TA635114	Machine spindles SK 40
TB630004	Tool HSK 63E
TB630003	Tool HSK 63F

Detergent

Art. No.	Type
TB630006	Corrosion protection BRUNOX, 300 ml
TB630000	Grinding paste, 70 g
TA635065	Lubrication spray CRC 5-56, 400 ml

Measuring plate

Design
- With tungsten carbide coating for maximum tool life
- With receptionbore for digital measuring scale

Art. No.	Type	D	L	B	d
TA676839	Plate	195		50	40
TA676051	Ruler		365		

Digital longitudinal measuring device

Art. No.	L
TA676052	300

Clamping force tester

Application
- For monitoring the retraction force of clamping systems in machine spindles

Design
- Tensile force of the clamping system shown in kN
- For testing of pull-in-force of clamping system at machine spindle

Art. No.	Type
TB100077	Gauge for HSK 63E
TB100078	Gauge for HSK 63F

Tool installation device

Application
- As an aid when assembling tools and when changing cutters

Design
- Pivoted
- Automatic adjustment
- Radial safety device
- HSK 63F, HSK 63E

Art. No.	Type
TA676838	Matching HSK 63F
TA676830	Matching HSK 63F, HSK 63E
TA676842	Matching HSK 63F, HSK 63E

Code carrie

Art. No.	Type
TA851431	Balluff, BIS C-105-05/A
TB100060	Homag, BIS C-122-04/L

Box maintenance for CNC HSK 63F / E462

Art. No.	Type
TB100503	HSK 63F / E 462 incl. 3 Collets Type E 462 of choice

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TA676909	Collet chuck HSK 63F E 462
TA850125	Hook wrench type=E 462 + ER 40
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for CNC HSK 63F / ER25

Art. No.	Type
TB100505	HSK 63F / ER 25 incl. 3 ColletsType ER 25 of choice

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TA676996	Collet chuck HSK 63F ER 25
TA850115	Hook wrench type=ER 25
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for CNC HSK 63F / ER25 + E462

Art. No.	Type
TB100507	HSK 63F incl. 3 Collets Type ER 25 + E 462 of choice

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TA676909	Collet chuck HSK 63F E 462
TA676996	Collet chuck HSK 63F ER 25
TA850115	Hook wrench type=ER 25
TA850125	Hook wrench type=E 462 + ER 40
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for CNC with short boring chuck

Art. No.	Type
TB100509	incl. boring chuck HSK 63F

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TA676802	Short boring chuck HSK 63F
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for CNC with short boring chuck

Art. No.	Type
TB100510	incl. boring chuck HSK 63F / E 462 incl. 3 Collets Type ER 25 + E 462 of choice

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TA676802	Short boring chuck HSK 63F
TA676909	Collet chuck HSK 63F E 462
TA850125	Hook wrench type=E 462 + ER 40
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for windows HSK 63F

Art. No.	Type
TB100500	HSK 63F

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA469100	Sinus knife changer
TA635115	Cone cleaner for machine spindle 63F
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Box maintenance for windows HSK 63E

Art. No.	Type
TB100501	HSK 63E

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA469100	Sinus knife changer
TA630004	Cone cleaner for tool 63E
TB630000	Grinding paste
TB630001	Cone cleaner for machine spindle 63E
TB630006	Corrosion protection Brunox

Box maintenance for CNC HSK 63F

Art. No.	Type
TB100502	HSK 63F

Spare parts

Art.No.	
TA0002990401	Case for maintenance kit
TA0002990410	Cut-resistant protective gloves
TA635115	Cone cleaner for machine spindle 63F
TB630000	Grinding paste
TB630003	Cone cleaner for tool 63F
TB630006	Corrosion protection Brunox

Torque wrench set

Art. No.	Type
TB100050	17 pieces

Spare parts

Art.No.	
TA0002990400	Case for torque wrench set
TA851290	Setting jig W1/W11/W7
TB100030	Torque wrench straight handle, type=1.0-5.0 Nm, Fig. 1
TB100031	Interchangeable blade for straight handle, type=ISK 5, Fig. 2
TB100032	Interchangeable blade for straight handle, type=Torx 15, Fig. 2
TB100033	Interchangeable blade for straight handle, type=Torx 20, Fig. 2
TB100034	Interchangeable blade for straight handle, type=Torx 25, Fig. 2
TB100035	Interchangeable blade for straight handle, type=ISK 2.5, Fig. 2
TB100036	Interchangeable blade for straight handle, type=ISK 3, Fig. 2
TB100037	Interchangeable blade for straight handle, type=ISK 4, Fig. 2
TB100038	Interchangeable blade with magnet, bit holder for straight handle, Fig. 3
TB100039	Bit for bit holder, type= Torx 10, Fig. 4
TB100040	Torque wrench cross handle, type=3.2-16 Nm, Fig. 5
TB100041	Interchangeable blade for cross handle, type=Torx 15, Fig. 6
TB100042	Interchangeable blade for cross handle, type=Torx 20, Fig. 6
TB100043	Interchangeable blade for cross handle, type=Torx 25, Fig. 6
TB100044	Interchangeable blade for cross handle, type=Torx 30, Fig. 6
TB100045	Interchangeable blade for cross handle, type=ISK 4, Fig. 6
TB100046	Interchangeable blade for cross handle, type=ISK 5, Fig. 6

Washing machine

Application
- For economical cleaning of grease, oil, resin, wax, paint, wood chips, etc.

Design
- In stainless steel
- Fully automatic processing
- Intergrated timer
- Fast drying

Art. No.	Type	Index
TA635120	Mini, diameter 410 mm, height 310 mm	1
TA635128	Mini, with cover increase, diameter 410 mm, height 310 mm	2
TA635121	Standard, diameter 610 mm, heigh 400 mm	3

Spare parts

Art.No.		Index
TA635080	Saxin aluminium/steel cleaning agent, type=5 litre	1-3
TA635122	Detergent EM74, type=10kg	1-3
TA635124	EM 200 preservative, type=10kg	1-3
TA635126	Anti-foaming agent EM902, type= 1 litre	1-3
TA635130	Tool holder for HSK 63F	1-3
TA635131	Tool holder for Powerlock	1-3
TB630005	Tool holder for HSK 63E	1-3
TB630012	Small parts basket, 350 x 200 x 175	1-3
TB630013	Dolly for washing machine, type Mini	1, 2

Ultrasonic cleaner

Application
- For economical cleaning of plastics, plaster, grease, oil, resin, wax, paint, wood chips, etc.

Design
- In stainless steel
- Fully automatic processing
- Intergrated timer

Art. No.	Type	Index
TB100526	28 liter	1
TB100520	45 liter	2
TB100523	90 liter	3

Spare parts

Art.No.		Index
TB100521	Tub lid, type=45 litre	2
TB100522	Insert basket, type=45 litre	2
TB100524	Tub lid, type=90 litre	3
TB100525	Insert basket, type=90 litre	3
TB100527	Tub lid, type=28 litre	1
TB100528	Insert basket, type=28 litre	1
TB630008	Sonoswiss Cleaner T4, type=10 litre	1-3
TB630010	Sonoswiss SW AK corrosion protection, type=1 litre	1-3
TB630011	Sonoswiss SW AK corrosion protection, type=2.5 litre	1-3

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