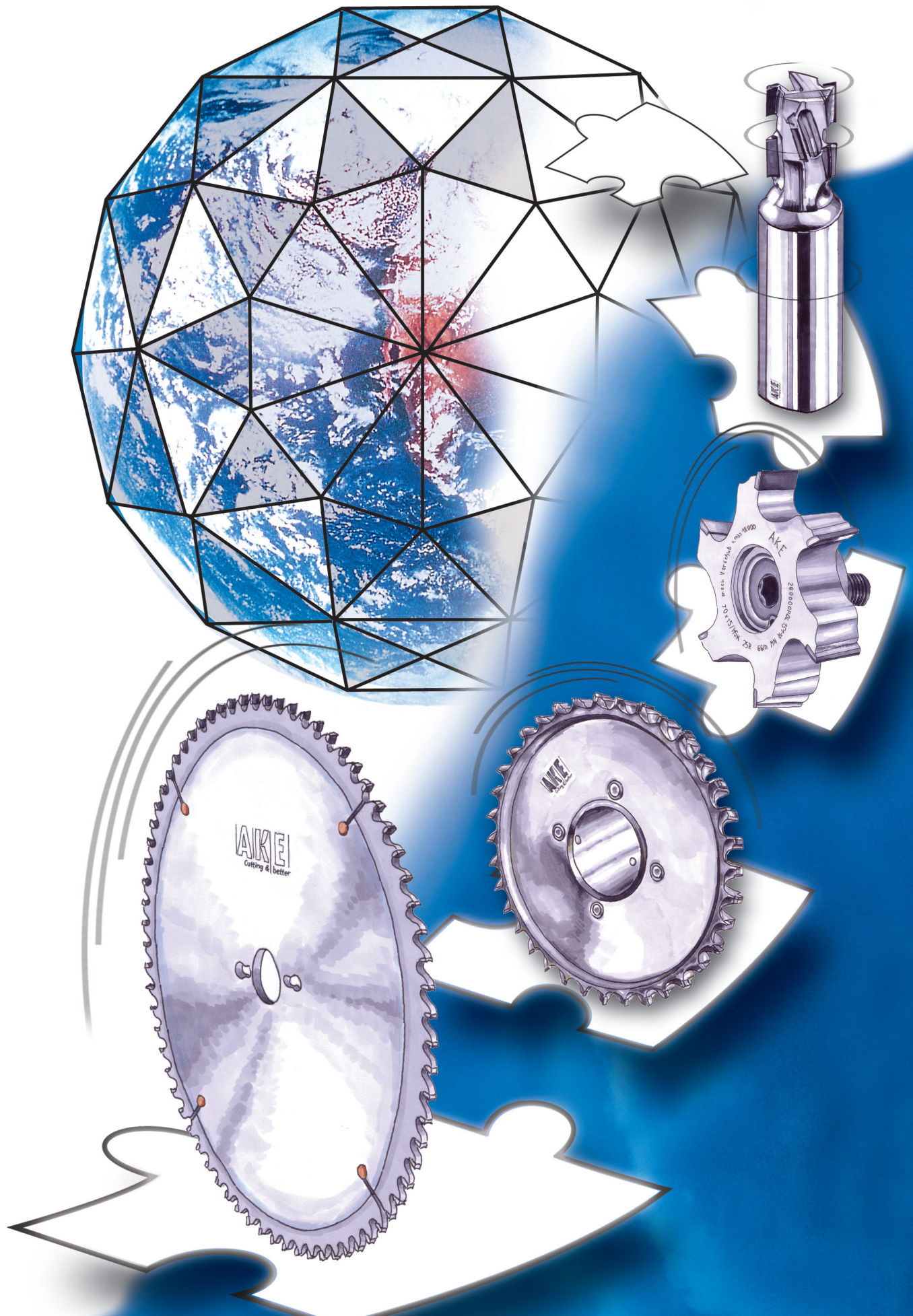


DIAMOND Tools

AKE
Cutting & better



Content

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Vario hogger

Cutters

Edge milling cutter
Jointing cutter
Shank type cutter
HSK Plus shank type cutter
Profile cutter
T Grooving cutter
Nesting

Legend

°	=	degree	L2	=	cutting length
6kt.	=	hexagonal	lhd	=	lefthandside
Abb.	=	pic.	m/min	=	meter per minute
Achsw.	=	axial angle	MAN	=	manual feed
B	=	cutting width/kerf	Maschine	=	suitable for machine type
b	=	thickness of sawbody	MEC	=	mechanical feed
BH	=	tip height	min-1	=	rounds per minute
D	=	tool diameter	mm	=	millimeter
d	=	diameter of bore	n	=	no. of revolutions rpm
d (max)	=	maximum bore diameter (technically feasible)	n (max)	=	maximum RPM (allowance)
DKN	=	double keyway	NL	=	pinholes (e.g. 2/10/60 = 2 pinholes with diameter 10 mm on a pitch circle of 60 mm)
DP	=	polycrystalline diamond tipped	NLK	=	pinhole combination 2/7/42 + 2/9/46,5 + 2/10/60
E	=	one side acute	R	=	radius
F	=	flat tooth	R/L	=	direction of rotation (mode)
F (max)	=	maximum (usable) profile width	rh�	=	right hand side
F (min)	=	minimum (usable) profile width	S	=	Edge cutter
FFT	=	triple-chip / flat / flat	SB	=	kerf
FLDmax	=	maximum usable flange diam.	SK	=	steep taper
FS	=	flat toothh with alternating chamfer	SW	=	key width (SW)
FT	=	triple chip flat tooth	T	=	triple chip tooth
H	=	max. cutting height	TLG	=	(tooth) pitch
HD	=	Hohl-Dach-Flachzahn	TT	=	triple chip/triple chip tooth
HFT	=	triple-chip / flat / flat hollow ground	V	=	pre-cutter / raker
HSK	=	hollow taper shank	Vf	=	feed rate
HT	=	hollow tooth / triple-chip / flat	W	=	alternate top bevel tooth
HW	=	carbide tipped (TC)	WS	=	alterneate top bevel tooth, chamfered
I	=	grooving insert	Z	=	number of teeth
k	=	Folding	Z/AS	=	Number of teeth
KN	=	keyway	Zahnform	=	With positive hook angle. Exceptions are marked separately
KS	=	cooling slot			
L1	=	total length			

Quickness:

- Delivery of your tools within two weeks maximum

Technology

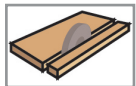
- Unique erosion technology for circular sawblades. Compared to the conventional erosion technology, we are in the position to make use of a double benefit by eroding the side and top on our AKE machines.

Individuality

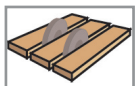
- Tools are produced in compliance with your demand

Symbols

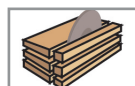
Sawing



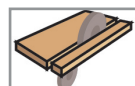
Splitting cut single



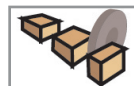
Longitudinal cut



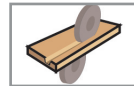
Cutting in packs



Sizing cut with scoring



Clipping cut



Scoring

Hogging



Hogging longitudinal

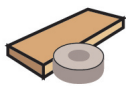


Hogging cross-cut



Scoring

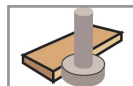
Cutting



Jointing



Grooving



Jointing



Plunge cutting



Internal cutting

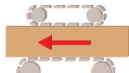


Profiling

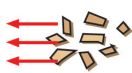
Others



Manual feed



Mechanic feed



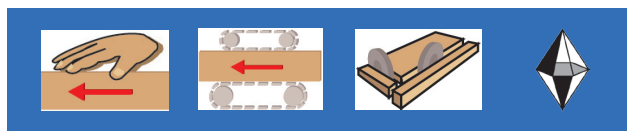
Optimised chip ejection



Diamond tipped

Universal circular sawblade

Longitudinal and cross cut [7014/7015]

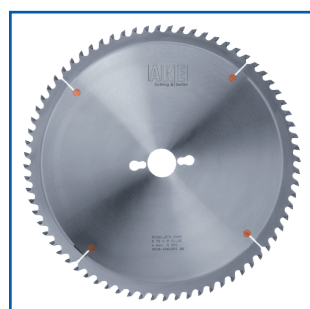
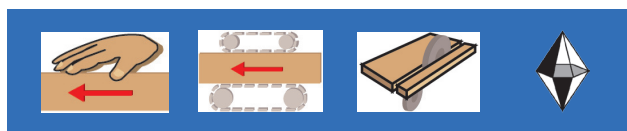


Application: Longitudinal cut, cross cut. For universal application
Material: Solid wood, panel material raw, one-side veneered, paper-base laminate, thermoplastic material
Machine: Sizing saw, cross cut saw
Design: Soundstar design: noise reduced
Tooth: Flat tooth (F), alternate top bevel tooth (W), DP

D mm	B mm	b mm	d mm	NL mm	BH mm	Z	Type	Order No.
180	3,20	2,20	30		5	36F	701518031	10111754
180	3,20	2,20	30		5	36W	701518030	10111752
180	3,20	2,20	30		5	54F	701518036	10111755
180	3,20	2,20	30		5	54W	701518035	10111753
250	3,20	2,20	30		5	48W	701425030	10111751
300	3,20	2,20	30	2/7/42 + 2/10/60	5	48W	701430325	20016966
303	3,20	2,20	30	2/7/42 + 2/10/60	5	60W	701430333	20013371
303	3,20	2,20	30	2/7/42 + 2/10/60	4	72W Achsw.	701430331	20013361
303	3,20	2,20	30	2/7/42 + 2/10/60	5	72W	701430334	20016011

Circular panel sizing sawblade

Sizing. For longest tool life [7021]

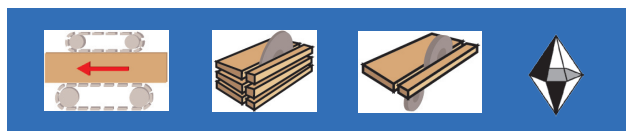


Application: Longitudinal cut, cross cut DP sizing sawblade for longest tool life
Material: Chipboard and MDF-boards laminated on both sides, duroplastic material
Machine: Sizing saw combined with scoring saw
Design: Soundstar design: noise reduced
Tooth: Tripple-chip flat tooth (FT), DP

D mm	B mm	b mm	d mm	NL mm	BH mm	Z	Type	Order No.
250	3,20	2,20	30	2/7/42 + 2/10/60	5	48FT	702125030	10103762
303	3,20	2,20	30	2/7/42 + 2/10/60	5	48FT	702130325	10111757
303	3,20	2,20	30	2/7/42 + 2/10/60	5	60FT	702130331	20002747
303	3,20	2,20	30	2/7/42 + 2/10/60	5	72FT	702130438	10100405

Circular panel sizing sawblade

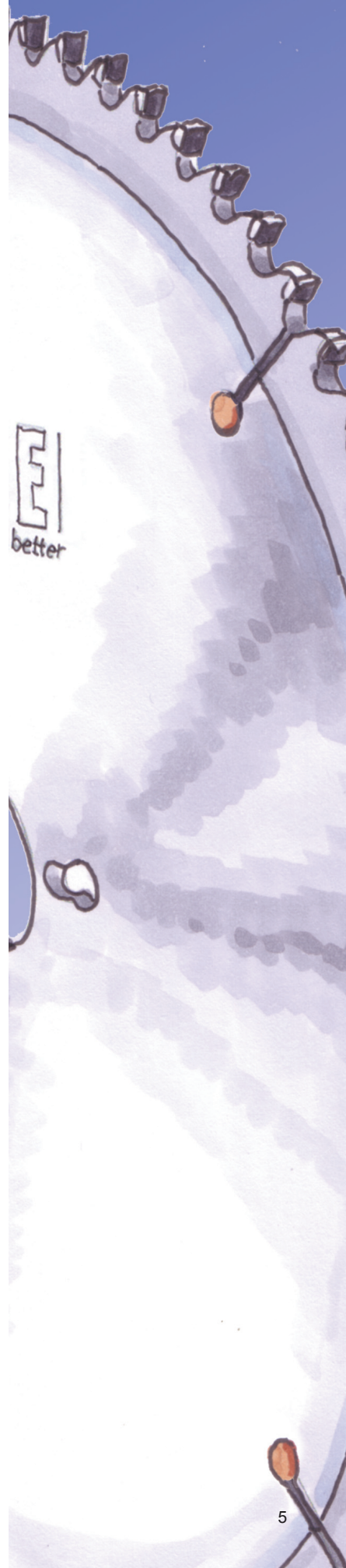
Panel sizing. For longest tool life [7024]



Application: Panel sizing. Single cut or in packs
 Material: Laminated panel material, duroplastic
 Machine: Panel sizing machine, horizontal with scoring aggregate
 Design: Rigid saw body
 Tooth: Triple-chip flat tooth (FT), DP

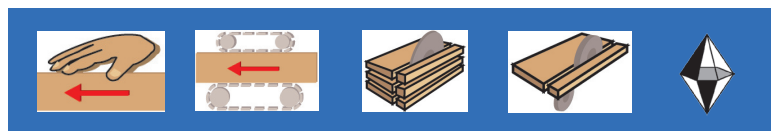
D mm	B mm	b mm	d mm	NL mm	Maschine	BH mm	Z	Type	Order No.
305	4,40	3,00	30			5,0	60FT	702430537	20002665
350	4,40	3,00	30			5,0	72FT	702435005	20021357
380	4,40	3,20	60	2/14/100	Holzma	5,0	72FT	702438013	10111884
380	4,80	3,50	60	2/14/100	Holzma	5,0	72FT	702438066	20019938
400	4,40	3,20	30			5,0	72FT	702440008	10111886
450	4,80	3,50	30			5,0	72FT	702445030	10111887
450	4,80	3,50	60	2/14/125	Holzma	5,0	72FT	702445062	10101950
600	5,80	4,00	60	2/11/115+2/19/120	Holzma	6,5	60FT	702460060	10111888
620	6,20	4,00	40	2/11/115+2/19/120		6,5	60FT	702462040	10111889
680	6,20	4,00	40	2/11/115+2/19/120		6,5	60FT	702468041	10111890

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Circular scoring sawblade

Scoring of panel material [7026]



Application: Scoring coatings with the feed
Material: Panel material laminated
Machine: Panel sizing machine with scoring aggregate, sizing saw with scoring aggregate
Design: Conical flat tooth enables higher feed rates
Tooth: Flat tooth (F), DP, conical

D mm	B mm	b mm	d mm	BH mm	Z	Type	Order No.
80	2,8-3,6	4,00	20	5,0	10F+10F	702608020	20009491
100	2,8-3,6	4,00	22	5,0	12F+12F	702610022	20003869
120	2,2-3,35	2,20	20	5,0	12F	702612009	10111738
120	2,8-3,6	4,00	20	5,0	12F+12F	702612020	20005470
120	2,8-3,6	4,00	22	5,0	12F+12F	702612002	20004425
120	2,8-3,6	4,40	50	5,0	12F+12F	702612050	20005340
125	2,8-3,6	4,00	20	5,0	12F+12F	702612523	20006331
125	3,1-3,9	2,20	20	5,0	24F	702612525	20002523
125	4,4-5,2	3,40	20	5,0	24F	702612521	20002609
160	4,4-5,2	3,20	30	5,0	30F	702616030	10111739
180	4,4-5,2	3,20	20	5,0	32F	702618021	10111742
180	4,4-5,2	3,20	45	5,0	32F	702618044	10111743
180	4,8-5,6	3,50	45	5,0	32F	702618046	20004146
200	4,4-5,2	3,40	20	5,0	24F	702620024	20018549
200	4,4-5,2	3,50	20	5,0	32F	702620020	10111746
200	4,8-5,6	3,50	45	5,0	32F	702620046	20003136
200	5,8-6,6	3,50	45	5,0	32F	702620047	20017666

Scoring system with notch adjustment [0036]

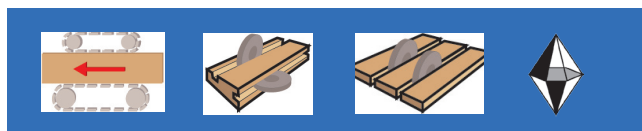


Application: Scoring system with notch adjustment to rhs-equip existing sizing saw
Material: Panel material laminated, solid wood, plastic
Machine: Sizing saw with scoring aggregate
Design: Scoring system consisting of several parts. Can be adjusted manually and without tool. Precise notch adjustment in steps of 0,05 mm
Tooth: Alternate top bevel tooth (W), TC

D mm	B mm	d mm	Maschine	Z	Type	Order No.
120	2,8-3,8	15	Altendorf F45 ab Bj. 03/1995; Felder Format 4	12W+12W	003612015	10019948
120	4,0-5,0	15	Altendorf F45 ab Bj. 03/1995	12W+12W	003612115	10019949
120	2,8-3,8	20	SCM SI16N, 300, 350, 400, 450	12W+12W	003612320	10112444
120	2,8-3,8	20	SCM SI16N, 300, 350, 400, 450	12W+12W	003612020	10019953
120	2,8-3,8	20	Griggio, Paoloni, Maka	12W+12W	003612120	10019952
120	4,0-5,0	20	Griggio, Paoloni, Maka	12W+12W	003612220	10111489
125	2,8-3,8	15	Kölle	12W+12W	003612515	10019947
125	4,0-5,0	15	Kölle	12W+12W	003612615	10112439
125	2,8-3,8	22	Panhans 690, Constant Philips	12W+12W	003612522	10019950
125	4,0-5,0	22	Panhans 690, Constant Philips	12W+12W	003612622	10111491

Grooving circular sawblade

DP grooving with mechanic feed [7360]

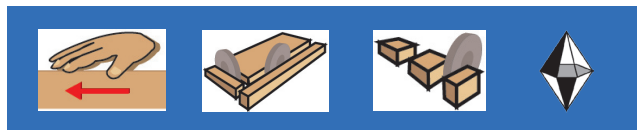


Material: For abrasive material
Tooth: Flat tool (F), DP

D mm	B mm	b mm	d mm	BH mm	Z	Type	Order No.
125	4,00	3,00	30	5	12F	736012528	10108580
200	4,00	3,00	30	5	18F	736020000	10111901
200	5,00	3,40	30	5	18F	736020001	10111905
200	4,00	3,00	30	5	24F	736020002	10111903
200	5,00	3,40	30	5	24F	736020003	10111906

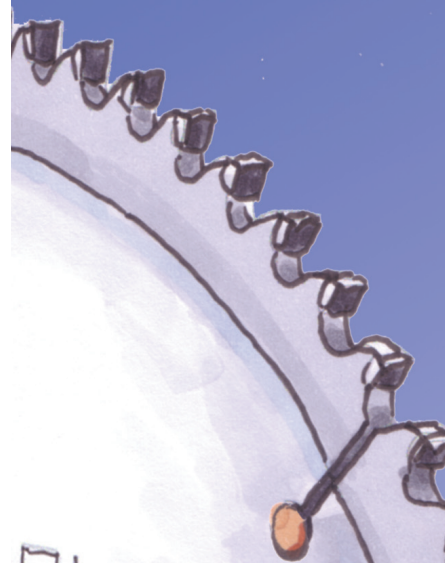
Circular sawblade for portable saw

Longitudinal and cross [7048]



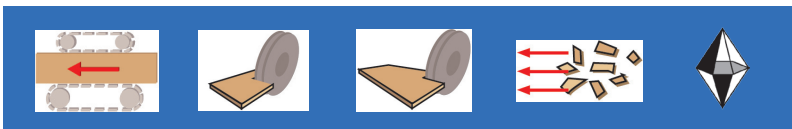
Application: Longitudinal cut and cross cut of abrasive material. Not usable for iron material, glas, stone
Material: Solid wood, panel material, plastic, cement fibre boards
Machine: Portable saw
Design: Chip thickness limited design (SDB) by saw body
Tooth: Flat tooth (F), DP

D	B	b	d	NL/TK	Z		Tooth shape	Order No.
160	2,4	1,6	20		4	> 20 mm	F with bevel, DP	10040060
160	2,4	1,6	20		8	< 20 mm	F with bevel, DP	10109383
180	2,4	1,6	20		4	> 20 mm	F with bevel, DP	10040061
185	2,4	1,6	15,87	1/4/39,87	4	> 20 mm	F with bevel, DP	10040062
185	2,4	1,6	15,87	1/4/39,87	8	< 20 mm	F with bevel, DP	10109388
190	2,4	1,6	20		4	> 20 mm	F with bevel, DP	10040063
190	2,4	1,6	20/30		8	< 20 mm	F with bevel, DP	10109389
200	2,4	1,6	30		4	> 20 mm	F with bevel, DP	10109393
200	2,4	1,6	30		8	< 20 mm	F with bevel, DP	10109396
216	2,4	1,6	30		4	> 20 mm	F with bevel, DP	10108336
216	2,4	1,6	30		8	< 20 mm	F with bevel, DP	10109397
230	2,4	1,6	20		6	> 20 mm	F with bevel, DP	10109400
230	2,4	1,6	20		12	< 20 mm	F with bevel, DP	10109401
250	2,4	1,6	30		6	> 20 mm	F with bevel, DP	10109403
250	2,4	1,6	30		12	< 20 mm	F with bevel, DP	10109404



Compact hogger

PLT compact hogger [2600]



Application: For sizing panel material
Material: Derived timber material, panels with and without coating. Excellent cutting Quality even in chip boards with low density core. Very high edge Quality with sensitive coatings such as foil, paper etc.
Machine: Double-end profiler and edge bander
Design: Improved chip removal due to optimised chip flow. Ideally suitable for machines with optimized suction hood. Reduced multiple chipping: Performance up to 25% higher with lower set-up costs
Tooth: DP

PLT compact hogger with hydro sleeve d 40 6kt.

D mm	B mm	d mm	Z	R/L	Vf m/min	Order No.
250	10	40 6kt	24	li	20 - 40	10108402
250	10	40 6kt	24	re	20 - 40	10108401
250	10	40 6kt	36	li	30 - 65	10108482
250	10	40 6kt	36	re	30 - 65	10108480
250	10	40 6kt	48	li	40 - 85	10108404
250	10	40 6kt	48	re	40 - 85	10108403

PLT compact hogger. Suitable for hydro sleeve d 40 6kt.

D mm	B mm	d mm	Z	R/L	Vf m/min	Type	Order No.
250	10	80	24	lhs	20 - 40	26003901L	10039492
250	10	80	24	rhs	20 - 40	26003901R	10039491
250	10	80	36	lhs	30 - 65	26003902L	10039494
250	10	80	36	rhs	30 - 65	26003902R	10039493
250	10	80	48	lhs	40 - 85	26003903L	10039496
250	10	80	48	rhs	40 - 85	26003903R	10039495

PLT compact hogger with bayonet fitting. Suitable for quick clamping system D 192 mm

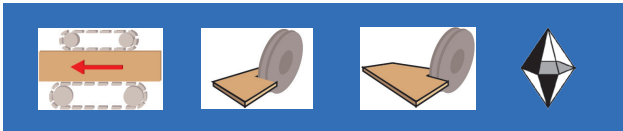
D mm	B mm	d mm	Z	R/L	Vf m/min	Type	Order No.
250	10	80	24	lhs	20 - 40	26004545L	10102832
250	10	80	24	rhs	20 - 40	26004545R	10102833
250	10	80	36	lhs	30 - 65	26004546L	10102834
250	10	80	36	rhs	30 - 65	26004546R	10102835
250	10	80	48	lhs	40 - 85	26004547L	10102836
250	10	80	48	rhs	40 - 85	26004547R	10102837

PLT compact hogger with bayonet fitting. Suitable for quick clamping system D 160 mm

D mm	B mm	d mm	Z	R/L	Vf m/min	Type	Order No.
250	10	60	24	lhs	20 - 40	26004548L	10102838
250	10	60	24	rhs	20 - 40	26004548R	10102839
250	10	60	36	lhs	30 - 65	26004549L	10102840
250	10	60	36	rhs	30 - 65	26004549R	10102841
250	10	60	48	lhs	40 - 85	26004550L	10102842
250	10	60	48	rhs	40 - 85	26004550R	10102843

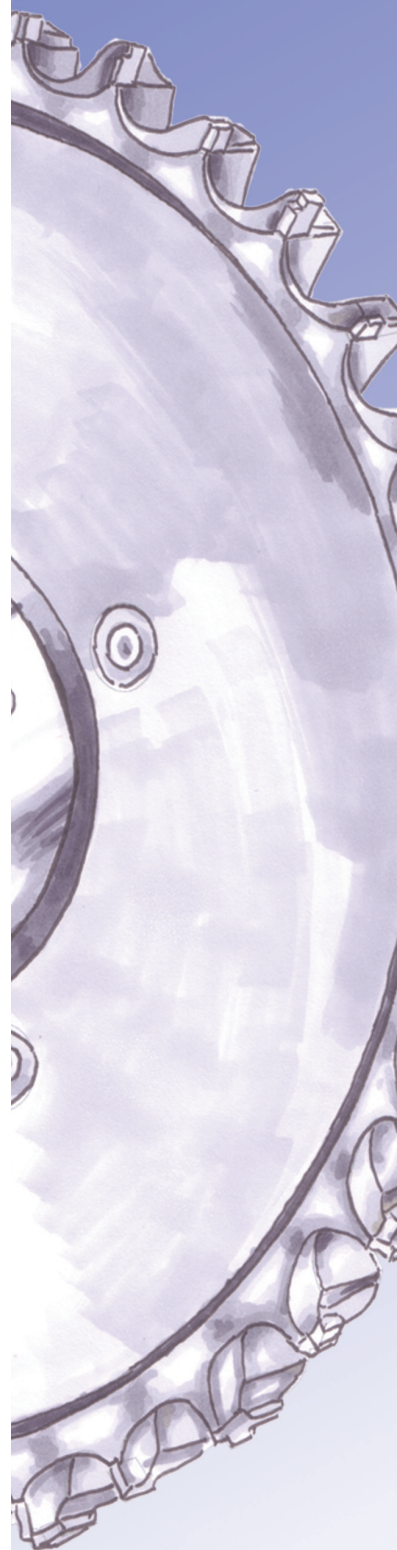
Vario hogger

Hogger with flange sleeve [0033/7033]



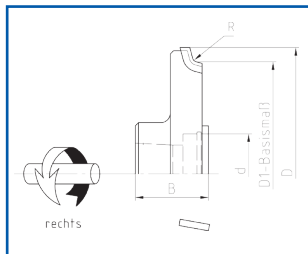
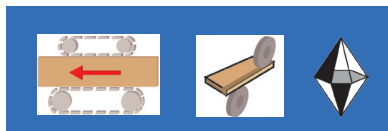
Application: For sizing of derived timber material on multi-rip saw without flange sleeve
Material: Solid wood, derived timber material with or without coating
Machine: Double-end profiler, multi-rip machines
Design: Hogger with steel body. Sawblade with axial angle for improved chip removal
Tooth: TC, DP

D mm	B mm	d mm	Z	Qualität	R/L	Type	Order No.
255	14,4	35	48/ 12/ 6	DP	lhs	703325681	10111946
255	14,4	35	48/ 12/ 6	DP	rhs	703325680	10111947
255	14,4	40	48/ 12/ 6	DP	lhs	703325881	10111965
255	14,4	40	48/ 12/ 6	DP	rhs	703325880	10111967
255	14,4	35	60/ 12/ 6	DP	lhs	703325683	10111948
255	14,4	35	60/ 12/ 6	DP	rhs	703325682	10111949
255	14,4	40	60/ 12/ 6	DP	lhs	703325883	10111968
255	14,4	40	60/ 12/ 6	DP	rhs	703325882	10111969



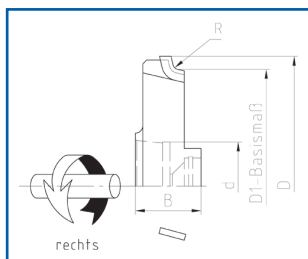
Edge milling cutter

DP radius cutter



Application: Profiling of edge banding material
Material: Edge material. Solid wood, veneer, PVC, PP, ABS, PMMA, HPL, melamine, solid melamine
Machine: IMA, Homag edge banding machines
Design: Tipped cutter with HSK 25 /32 adaptor incl fixation screw. With axial angle
Tooth: DP

D mm	D1-Basismaß	B mm	d mm	Z	R	n (max) min ⁻¹	R/L	Order No.
76	70	23	HSK25	4	1,5	24.000	rhs	10034865
76	70	23	HSK25	4	1,5	24.000	lhs	10034866
76	70	23	HSK25	6	1,5	24.000	rhs	10039594
76	70	23	HSK25	6	1,5	24.000	lhs	10039595
78	70	23	HSK25	4	2	24.000	rhs	10039586
78	70	23	HSK25	4	2	24.000	lhs	10039588
78	70	23	HSK25	6	2	24.000	rhs	10039596
78	70	23	HSK25	6	2	24.000	lhs	10039597
79	70	23	HSK25	4	3	24.000	rhs	10039589
79	70	23	HSK25	4	3	24.000	lhs	10039590
79	70	23	HSK25	6	3	24.000	rhs	10021555
79	70	23	HSK25	6	3	24.000	lhs	10022548
82	70	23	HSK25	4	4	24.000	rhs	10039591
82	70	23	HSK25	4	4	24.000	lhs	10039592
82	70	23	HSK25	6	4	24.000	rhs	10039598
82	70	23	HSK25	6	4	24.000	lhs	10039599

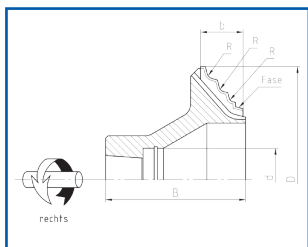
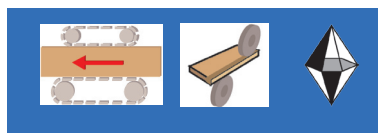


Application: Profiling of edge banding material
Material: Edge material. Solid wood, veneer, PVC, PP, ABS, PMMA, HPL, melamine, solid melamine
Machine: Homag edge banding machines
Design: Tipped cutter with HSK 25 /32 adaptor incl fixation screw. With axial angle
Tooth: DP

D mm	D1-Basismaß	B mm	d mm	Z	R	n (max) min ⁻¹	R/L	Order No.
69	62	17,5	HSK32	4	1,5	24.000	rhs	10020813
69	62	17,5	HSK32	4	1,5	24.000	lhs	10020814
69	62	17,5	HSK32	6	1,5	24.000	rhs	10039604
69	62	17,5	HSK32	6	1,5	24.000	lhs	10039605
70	62	17,5	HSK32	4	2	24.000	rhs	10032336
70	62	17,5	HSK32	4	2	24.000	lhs	10032335
70	62	17,5	HSK32	6	2	24.000	rhs	10021543
70	62	17,5	HSK32	6	2	24.000	lhs	10022411
70	62	17,5	HSK32	4	3	24.000	rhs	10039600
70	62	17,5	HSK32	4	3	24.000	lhs	10039601
70	62	17,5	HSK32	6	3	24.000	rhs	10039606
70	62	17,5	HSK32	6	3	24.000	lhs	10039607
72	62	17,5	HSK32	4	4	24.000	rhs	10039602
72	62	17,5	HSK32	4	4	24.000	lhs	10039603
72	62	17,5	HSK32	6	4	24.000	rhs	10039608
72	62	17,5	HSK32	6	4	24.000	lhs	10039609

Edge milling cutter

DP edge milling cutter MFA

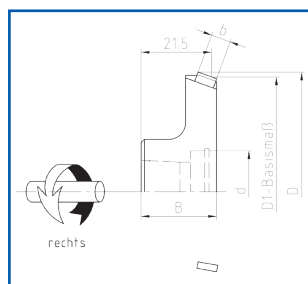
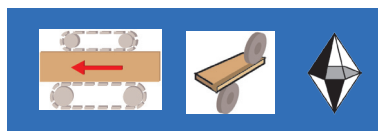


Application: Profiling of edge banding material
Material: Edge material. Solid wood, veneer, PVC, PP, ABS, PMMA, HPL, Melamine, Solid Melamine
Machine: IMA Edge banding machines with MFA aggregate
Design: Tipped cutter with axial angle for multi purpose aggregate with HSK 25 adaptor. With fixation screw.

Tooth: DP

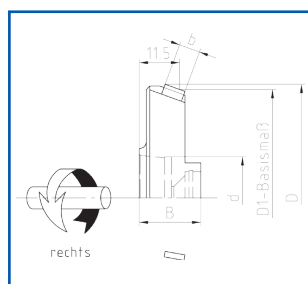
D mm	B mm	b mm	d mm	Z	R	Bevel	n (max) min ⁻¹	R/L	Order No.
90	56	17	HSK25	6	1,0 / 2,0 / 3,0	15°	24.000	rhs	10029541
90	56	17	HSK25	6	1,0 / 2,0 / 3,0	15°	24.000	lhs	10029540
90	56	17	HSK25	6	2,0 / 3,0	20°	24.000	rhs	10039580
90	56	17	HSK25	6	2,0 / 3,0	20°	24.000	lhs	10039581

DP edge milling cutter



Application: For bevelling of plastic or solid wood edges
Material: Edge banding material. Solid wood, veneer, PVC, PP, ABS, PMMA, HPL, Melamine, Solid Melamine
Machine: IMA, Homag edge banding machines
Design: Tipped cutter with HSK 25 adaptor incl fixation screw. With axial angle
Tooth: DP

D mm	D1-Basismaß	B mm	B1	d mm	Z	Bevel	n (max) min ⁻¹	R/L	Order No.
74	70	6	23	HSK25	4	20°	24.000	rhs	10016930
74	70	6	23	HSK25	4	20°	24.000	lhs	10018411
74	70	6	23	HSK25	6	20°	24.000	rhs	10039610
74	70	6	23	HSK25	6	20°	24.000	lhs	10039611

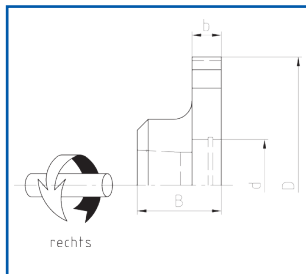
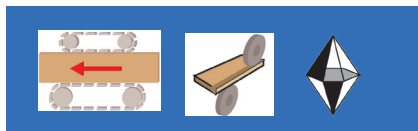


Application: For bevelling of plastic or solid wood edges
Material: Edge banding material. Solid wood, veneer, PVC, PP, ABS, PMMA, HPL, Melamine, Solid Melamine
Machine: Homag edge banding machines
Design: Tipped cutter with HSK 32 adaptor incl fixation screw. With axial angle
Tooth: DP

D mm	D1-Basismaß	B mm	B1	d mm	Z	Bevel	n (max) min ⁻¹	R/L	Order No.
65	62	6	17,5	HSK32	4	20°	24.000	rhs	10021537
65	62	6	17,5	HSK32	4	20°	24.000	lhs	10022395
65	62	6	17,5	HSK32	6	20°	24.000	rhs	10026987
65	62	6	17,5	HSK32	6	20°	24.000	lhs	10026986

Edge milling cutter

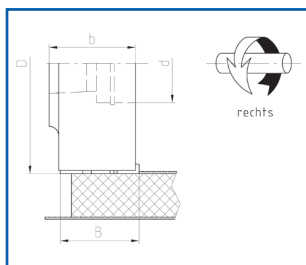
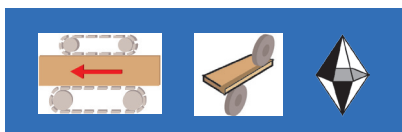
DP edge milling cutter



Application: Flush milling of edge bandings
 Material: Edge material, solid wood, veneer, PVC, PP, ABS, PMMA, HPL, Melamine, solid Melamine
 Machine: IMA, Homag edge banding machines
 Design: Tipped cutter with HSK 25 adaptor incl fixation screw. With axial angle
 Tooth: DP

D mm	B mm	B1	d mm	Z	n (max) min ⁻¹	R/L	Order No.
70	8	23	HSK25	4	24.000	rhs	10033525
70	8	23	HSK25	4	24.000	lhs	10033526
70	8	23	HSK25	6	24.000	rhs	10039614
70	8	23	HSK25	6	24.000	lhs	10039615
70	15	23	HSK25	4	24.000	rhs	10039612
70	15	23	HSK25	4	24.000	lhs	10039613
70	15	23	HSK25	6	24.000	rhs	10039616
70	15	23	HSK25	6	24.000	lhs	10039617

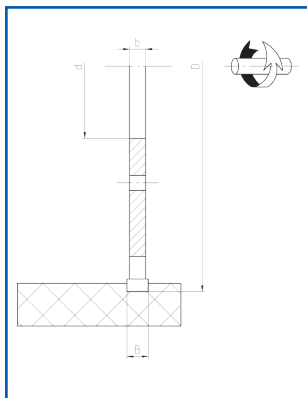
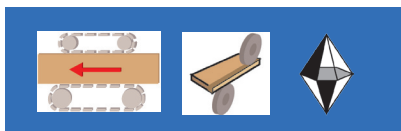
DP rebate cutter



Application: For chipping-free scoring from panel laminations for soft forming inlay profiles.
 Application with the feed
 Material: Panel material with coating
 Machine: IMA, Homag edge banding machines
 Design: Tipped cutter with HSK 25 adaptor incl fixation screw. With axial angle
 Tooth: DP; tipping height 5 mm

D mm	B mm	B1 mm	d mm	Z	n (max) min ⁻¹	R/L	Order No.
70	25	28,5	HSK25	9+3	24.000	rhs	10034855
70	25	28,5	HSK25	9+3	24.000	lhs	10039574
70	40	28	HSK25	9+3	24.000	rhs	10029001
70	40	28	HSK25	9+3	24.000	lhs	10039579

DP Scoring saw blade



Application: For chipping-free scoring of laminated panels for soft forming inlay profiles. Application with feed

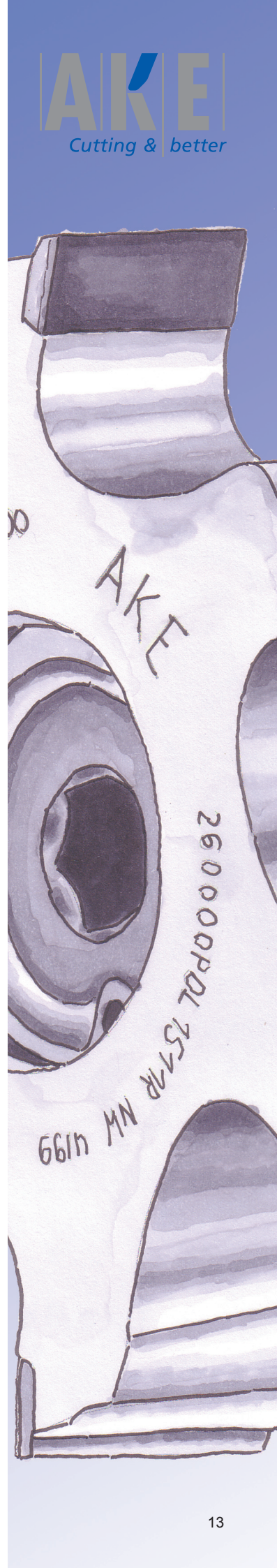
Material: Panel material with coating

Machine: d= 34 mm for Homag machines with HSK 25 adaptors. D= 22 mm for IMA

Design: Tipped cutter with HSK 25 adaptor incl fixation screw. With axial angle. HSK 25 adaptor has to be ordered seperately.

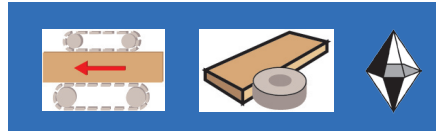
Tooth: DP; tipping height 5 mm

D mm	B mm	b mm	d mm	Z	NL	Typ	n (max) min ⁻¹	Order No.
70	4,0	3,0	22	8		A	24.000	10040077
70	4,0	3,0	22	8		B	24.000	10040078
70	4,0	3,0	40	8	4x5,5/42	A	24.000	10111683
70	4,0	3,0	40	8	4x5,5/42	B	24.000	10111684



Jointing cutter

Jointing cutter DP with alternating axle angle



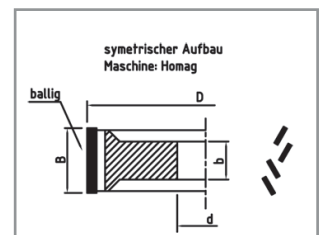
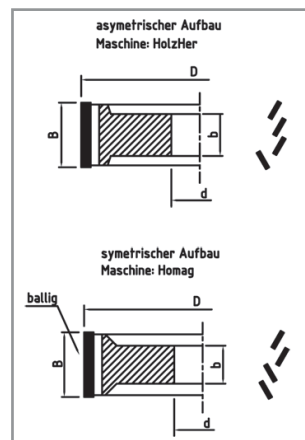
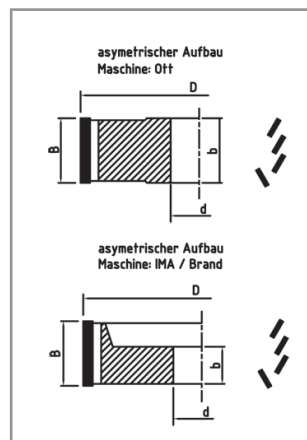
Application: With or against feed

Material: Wood derived panels with or without coating, fiber-reinforced, duroplastic and thermoplastic material

Machine: Double end tenoners and edge banding machines

Design: Tipped cutter, monolithic with staggered cutter arrangement and alternating axle angle

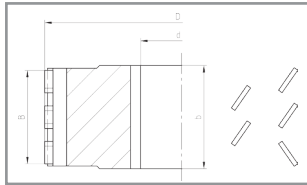
Tooth: DP; tipping height 3 mm



D mm	B mm	b mm	d mm	Z	Maschine	n (max) min ⁻¹	R/L	Order No.
85	45	45	30/DKN	3/3	Ott	21.000	rhs	10036533
85	45	45	30/DKN	3/3	Ott	21.000	lhs	10036534
100	34	37,6	30/DKN	3/3	IMA/Brandt	18.000	rhs	10021305
100	34	37,6	30/DKN	3/3	IMA/Brandt	18.000	lhs	10021304
100	48	40,6	30/DKN	3/3	IMA/Brandt	18.000	rhs	10021307
100	48	40,6	30/DKN	3/3	IMA/Brandt	18.000	lhs	10021306
100	48	25	30/DKN	2/2	HolzHer	18.000	rhs	10037003
100	48	25	30/DKN	2/2	HolzHer	18.000	lhs	10037004
125	34	37,6	30/DKN	3/3	Homag	14.500	sym	10028116
125	43	40	30/DKN	3/3	Homag	14.500	sym	10102851
125	63	40,6	30/DKN	3/3	Homag	14.500	sym	10021303
125	42	47	30/DKN	3/3	Biesse	14.500	sym	10109727
125	48	40,6	30/DKN	3/3	IMA	14.500	rhs	10029732
125	48	40,6	30/DKN	3/3	IMA	14.500	lhs	10029731
125	63	40,6	30/DKN	3/3	IMA	14.500	rhs	10028686
125	63	40,6	30/DKN	3/3	IMA	14.500	lhs	10028687

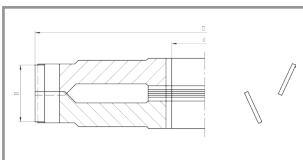
Sym = symmetric tooth configuration. Rhs and lhs usable.

Homag: convex design.



Application:	With or against feed
Material:	Wood derived panels with or without coating, fiber-reinforced, duroplastic and thermoplastic material
Machine:	Double end tenoners
Design:	Tipped cutter, monolithic with staggered cutter arrangement and alternating axle angle
Tooth:	DP; tipping height 5 mm

D mm	B mm	d mm	Z	n (max) min ⁻¹	R/L	LZ	Order No.
180	43	35 DKN	3/3	10.000	rhs	○	10039564
180	43	35 DKN	3/3	10.000	lhs	○	10039565
180	43	35 DKN	5/5	10.000	rhs	○	10039562
180	43	35 DKN	5/5	10.000	lhs	○	10039563
180	63	35 DKN	3/3	10.000	rhs	○	10039560
180	63	35 DKN	3/3	10.000	lhs	○	10039561
180	63	35 DKN	5/5	10.000	rhs	○	10038004
180	63	35 DKN	5/5	10.000	lhs	○	10038006

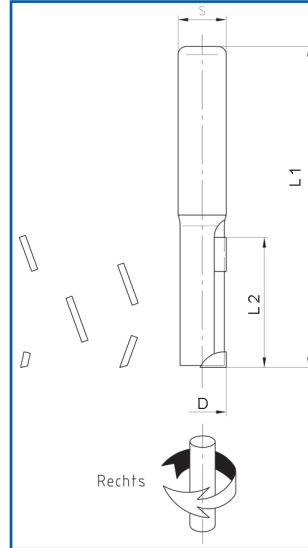
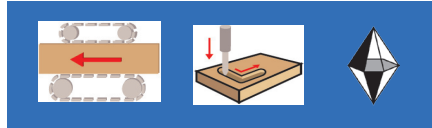


Application:	With or against feed
Material:	Wood derived panels with or without coating, fiber-reinforced, duroplastic and thermoplastic material
Machine:	Double end tenoners and edge banding machines
Design:	Tipped cutter, adjustable 2-piece design, with alternating axial angle
Tooth:	DP; tipping height 5 mm

D mm	B mm	d mm	Z	n (max) min ⁻¹	Order No.
180	22-30	35/DKN	3/3	10.000	10039566
180	22-30	35/DKN	5/5	10.000	10039568
200	22-30	35/DKN	3/3	9.000	10039570
200	22-30	35/DKN	5/5	9.000	10039572

DP shank type cutter

DP shank type-cutter Z 1 with TC boring tip

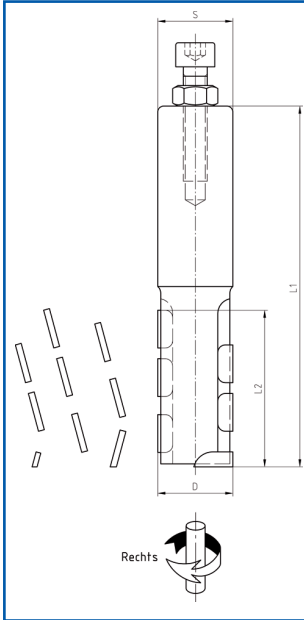
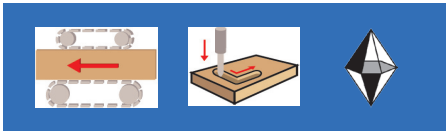


Application: For panel-sizing, grooving, jointing, rebating
 Material: Processed wood panels raw or coated; duroplastic
 Machine: Stationary machines with and without CNC control
 Design: DP teeth with shear angle and number of cutting passes. TC boring tip. DP tip height 2 mm

D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
8	20	65	10x40	1+1	rhs	10020554
8	25	70	12x40	1+1	rhs	10104224
8	25	70	12x40	1+1	lhs	10104225
10	25	70	10x40	1+1	rhs	10022203
12	27	70	12x40	1+1	rhs	10020640
12	27	70	12x40	1+1	lhs	10036722
16	25	90	16x50	1+1	rhs	10020641
16	25	90	16x50	1+1	lhs	10036723
16	33	95	16x50	1+1	rhs	10020644
16	33	95	16x50	1+1	lhs	10020645
18	25	90	25x50	1+1	rhs	10020646
18	25	90	25x50	1+1	lhs	10020647
18	33	95	25x50	1+1	rhs	10020650
18	33	95	25x50	1+1	lhs	10020651
18	42	100	25x50	1+1	rhs	10020653
18	42	100	25x50	1+1	lhs	10020654
20	25	90	25x50	1+1	rhs	10020655

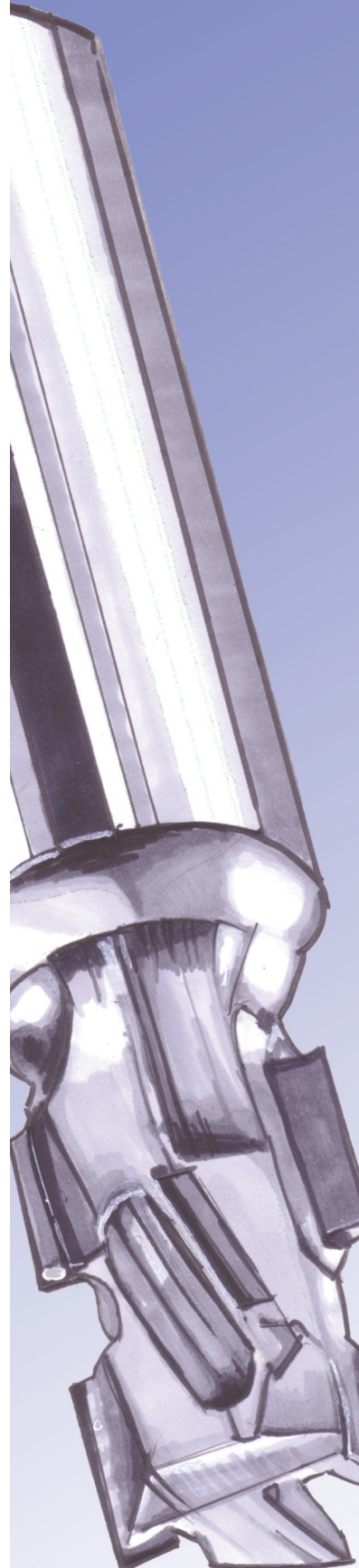
DP shank type cutter

DP shank type-cutter Z 2 with TC boring tip



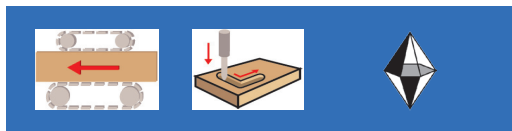
Application: For panel-sizing, grooving, jointing, rebating
Material: Processed wood panels raw or coated; duroplastic
Machine: Stationary machines with and without CNC control
Design: DP tips with axial angle and cutting pressure division over 3 wings. Therefore real Z= 2 for complete cutting length;
 DP plunging knife for Z-axis tool entrance

D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
2,5 mm Tip height						
20	25	95	20x50	2+1	rhs	10110510
20	25	95	20x50	2+1	lhs	10110512
20	32	95	20x50	2+1	rhs	10110514
20	32	95	20x50	2+1	lhs	10110515
20	42	100	20x50	2+1	rhs	10110516
20	42	100	20x50	2+1	lhs	10110519
20	51	110	20x50	2+1	rhs	10110520
20	51	110	20x50	2+1	lhs	10110521
4 mm Tip height						
20	28	100	25x60	2+1	rhs	10015516
20	28	100	25x60	2+1	lhs	10015517
20	38	110	25x60	2+1	rhs	10015518
20	38	110	25x60	2+1	lhs	10015519
20	48	120	25x60	2+1	rhs	10015520
20	48	120	25x60	2+1	lhs	10015521
5 mm Tip height						
25	28	100	25x60	2+1	rhs	10014275
25	28	100	25x60	2+1	lhs	10014291
25	38	110	25x60	2+1	rhs	10014276
25	38	110	25x60	2+1	lhs	10014292
25	48	120	25x60	2+1	rhs	10014277
25	48	120	25x60	2+1	lhs	10014294



DP shank type-cutter

DP spiral shank type cutter, with DP plunge tip



Application: For panel-sizing, grooving, jointing, rebating
Material: Processed wood panels raw or coated; duroplastic
Machine: Stationary machines with and without CNC control
Design: Robust body for high mechanical stress-resistance. DP knives with axial angle and spiral design. Therefore real Z= 3 for complete cutting length. Large chip-spave volume for high-speed cuts. DP plunging knife

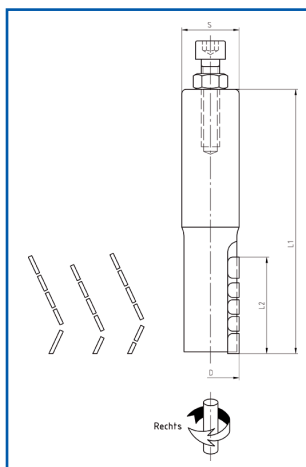


Abb. Spiral negative

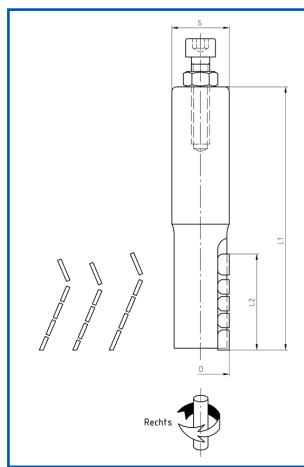
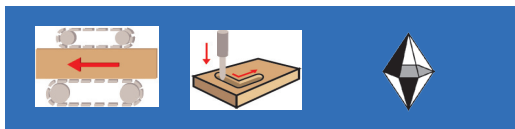


Abb: Spiral positive

D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
Spiral negative (Tip height 4 mm)						
20	28	105	25x55	3+1	rhs	10039048
20	28	105	25x55	3+1	lhs	10039049
20	38	115	25x55	3+1	rhs	10036103
20	38	115	25x55	3+1	lhs	10036104
20	48	125	25x55	3+1	rhs	10038175
20	48	125	25x55	3+1	lhs	10039047
Spiral negative (Tip height 5 mm)						
25	28	105	25x60	3+1	rhs	10036261
25	28	105	25x60	3+1	lhs	10036262
25	38	115	25x60	3+1	rhs	10035577
25	38	115	25x60	3+1	lhs	10035578
25	48	125	25x60	3+1	rhs	10035575
25	48	125	25x60	3+1	lhs	10035576
Spiral positive (Tip height 5 mm)						
25	38	115	25x60	3+1	rhs	10036738
25	38	115	25x60	3+1	lhs	10036739
25	48	125	25x60	3+1	rhs	10036740
25	48	125	25x60	3+1	lhs	10036741

DP shank type-cutter

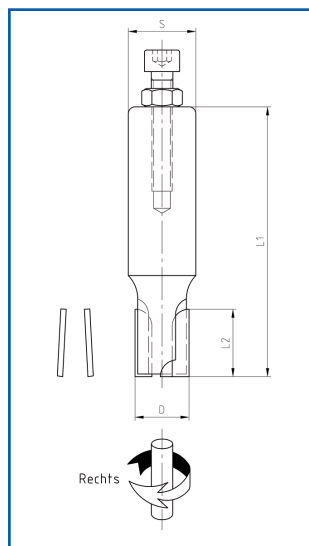
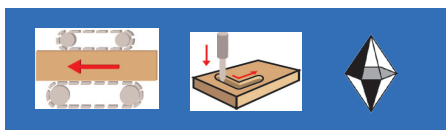
DP spiral shank type cutter Z 4 without boring tip



Application: For panel-sizing, grooving, jointing, rebating with high feed rates up to 30 m/min
Material: Processed wood panels raw or coated; duroplastic
Machine: Stationary machines with and without CNC control
Design: DP kives with axial angle and spiral design over 4 wings. Therefore "real Z= 4" for complete cutting length. Plunging cuts possible

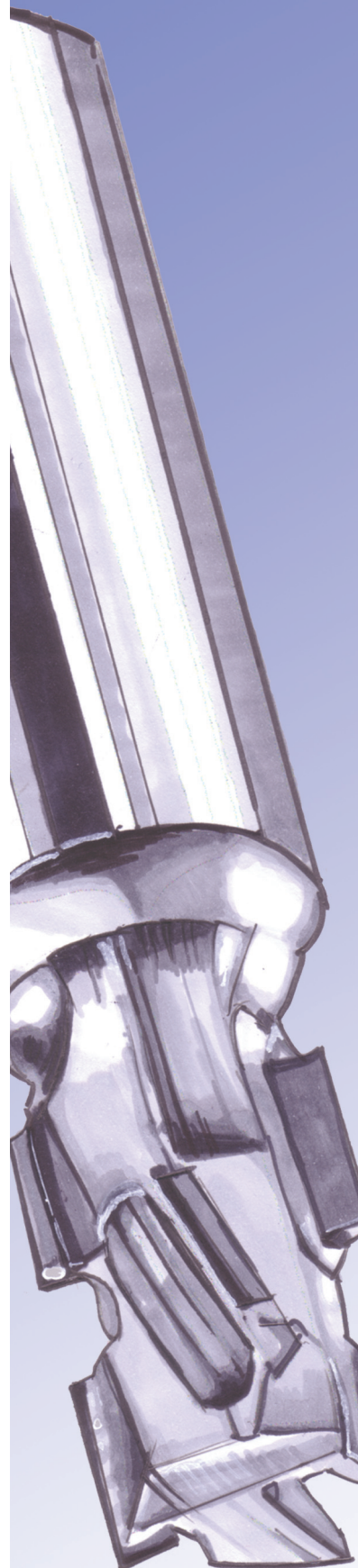
D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
25	26	95	25x55	4	rhs	10031594
25	35	105	25x55	4	rhs	10031595
25	35	105	25x55	4	lhs	10031597
25	45	110	25x55	4	rhs	10031599
25	45	110	25x55	4	lhs	10031598

DP shank type-cutter Z 2 with DP boring tip



Application: For panel-sizing, grooving, jointing, rebating up to 3-5 m/min
Material: Processed wood panels raw or coated
Machine: Stationary machines with and without CNC control
Design: DP kives with alternating axial angle.
 DP plunging knife
Tooth: DP, tip height 5 mm

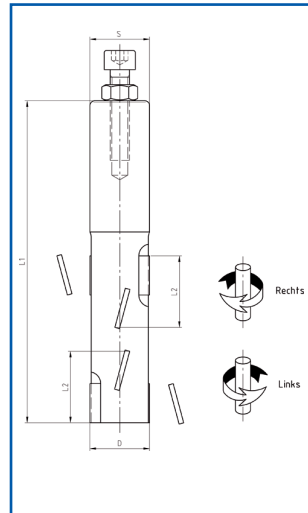
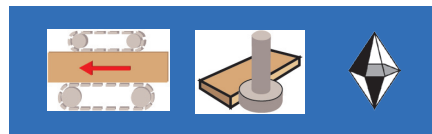
D mm	L2 mm	L1 mm	Shank mm	Z	Order No.
16	20	80	20x50	2	10110196



DP shank type-cutter

For right-hand and left-hand rotation

DP shank type-cutter Z 2 + 2

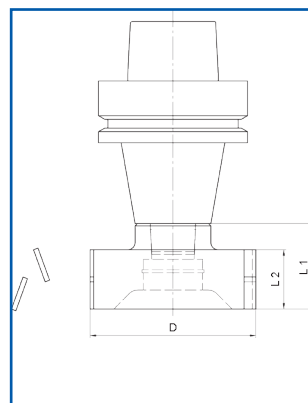
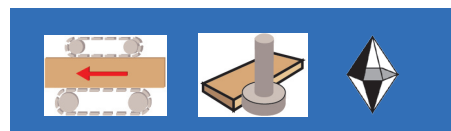


- Application:** For sizing and jointing, especially in thick panel material. Tool entrance against the feed to avoid chipping. Feed rate 5 - 15 mm according to lamination and cutting depth
- Material:** Processed wood panels raw or coated; duroplastic
- Machine:** Stationary machines with and without CNC control
- Design:** DP knives with axial angle and cutting pressure division over 4 wings
- Tooth:** DP, tip height 5 mm

D mm	L2 mm	L1 mm	Shank mm	Z	Order No.
25	30/30	135	25x55	2+2	10110197

HSK Plus shank type cutter

HSK Plus jointing cutter

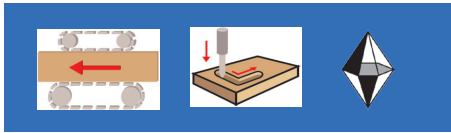


- Application:** For panel-sizing, grooving, jointing, rebating with high feed rates up to 40 m/min
- Material:** Processed wood panels raw or coated; duroplastic
- Machine:** Stationary machines with and without CNC control
- Design:** High stiffness by HSK Plus interface; for high mechanical stress-resistance; large chip-space volume for high-speed cuts
- Tooth:** DP, tip height 5 mm

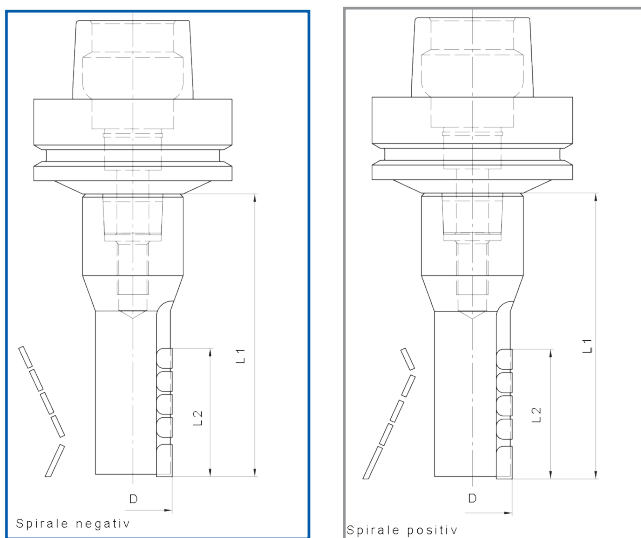
D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
45	25	36	HSK 25	2+2	rhs	10039489
45	25	36	HSK 25	2+2	lhs	10039490
70	25	36	HSK 25	3+3	rhs	10031689
70	25	36	HSK 25	3+3	lhs	10039488

HSK Plus shank type cutter

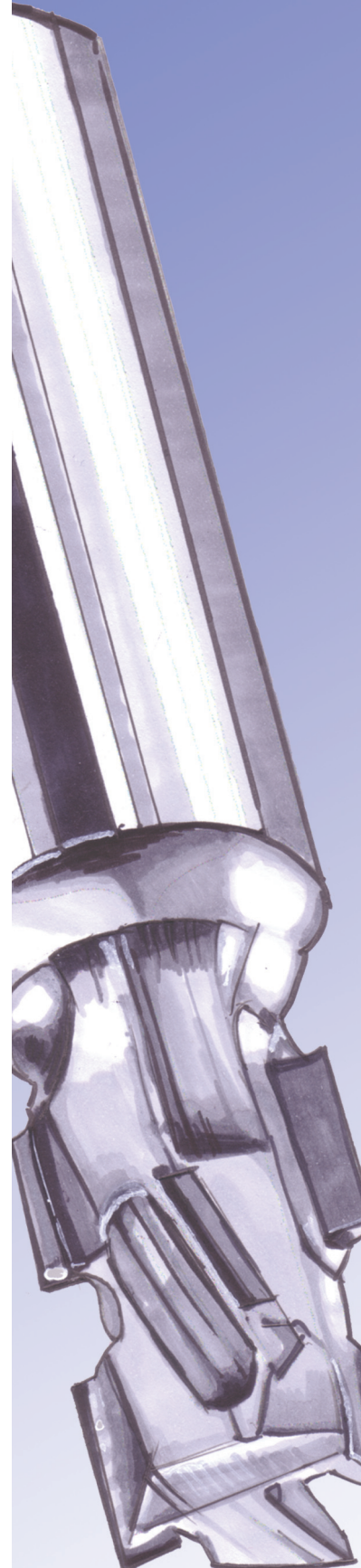
HSK Plus spiral shank type cutter with DP boring tip



Application: For panel-sizing, grooving, jointing, rebating with high feed rates up to 40 m/min
Material: Processed wood panels raw or coated; duroplastic
Machine: CNC work centre
Design: High stiffness by HSK Plus interface; for high mechanical stress-resistance; DP knives with axial angle and spiral design over 3 wings; therefore real Z= 3 over complete cutting length; large chip-space volume for high-speed cuts; DP plunging knife DP, tip height 5 mm
Tooth:

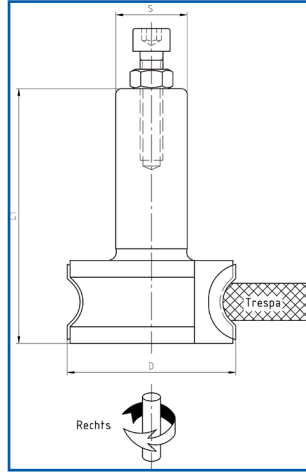
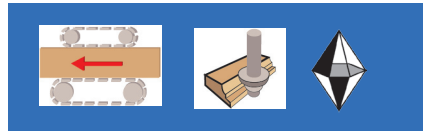


D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
Spiral negative						
25	28	80	HSK 25	3+1	rhs	10035571
25	28	80	HSK 25	3+1	lhs	10035572
25	38	90	HSK 25	3+1	rhs	10034097
25	38	90	HSK 25	3+1	lhs	10034094
25	48	100	HSK 25	3+1	rhs	10035573
25	48	100	HSK 25	3+1	lhs	10035574
Spiral positive						
25	38	90	HSK 25	3+1	rhs	10035268
25	38	90	HSK 25	3+1	lhs	10035269
25	48	100	HSK 25	3+1	rhs	10035596
25	48	100	HSK 25	3+1	lhs	10035597



Profile cutter

DP concave profile cutter R 9 mm

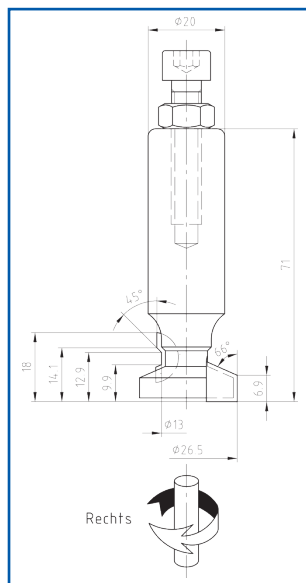
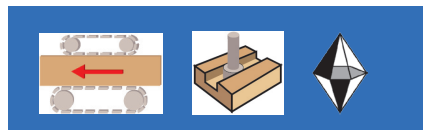


Application: For profiling; material thicknesses 6 - 13 mm
 Material: Duroplastic: Trespa, Varicor
 Machine: Stationary machines with and without CNC control
 Design: DP tipped shank type cutter with kives that cover the complete cutting length to avoid spurs in the profil

D mm	L2 mm	L1 mm	Shank mm	Z	R/L	Order No.
59	26	89	25	3	rhs	10030952

T Grooving cutter

DP T Grooving cutter

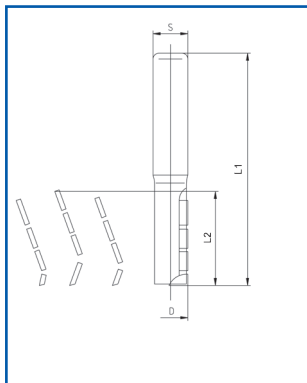
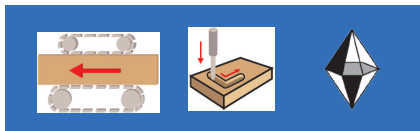


Application: For milling T-grooves
 Material: Processed wood panels raw or coated
 Machine: Stationary machines with and without CNC control
 Design: DP tipped shank type cutter

D mm	L2 mm	L1 mm	Shank mm	Z	n (max) min ⁻¹	Order No.
26,5	18	71	20	1+1	18000	10035511

Nesting

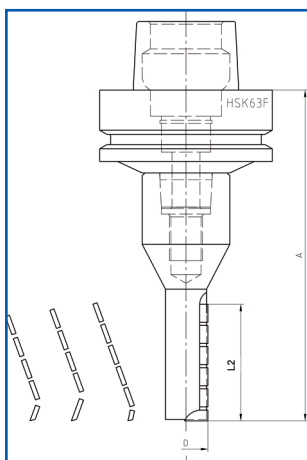
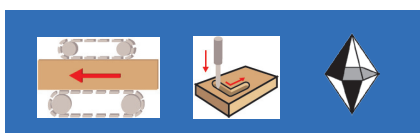
DP Spiral Routercutter



- Application:** For panel sizing in Nesting method, grooving, jointing, rebating with high feed speed up to v_f 25 m/min
- Material:** Wood derived panels with or without coating.
Duroplastic material
- Machine:** Stationary machines with and without CNC control
- Design:** DP Spiral cutter with cutting edge arrangement in 3 flutes. Therefore real Z3 through entire cutting length. DP plunging tip

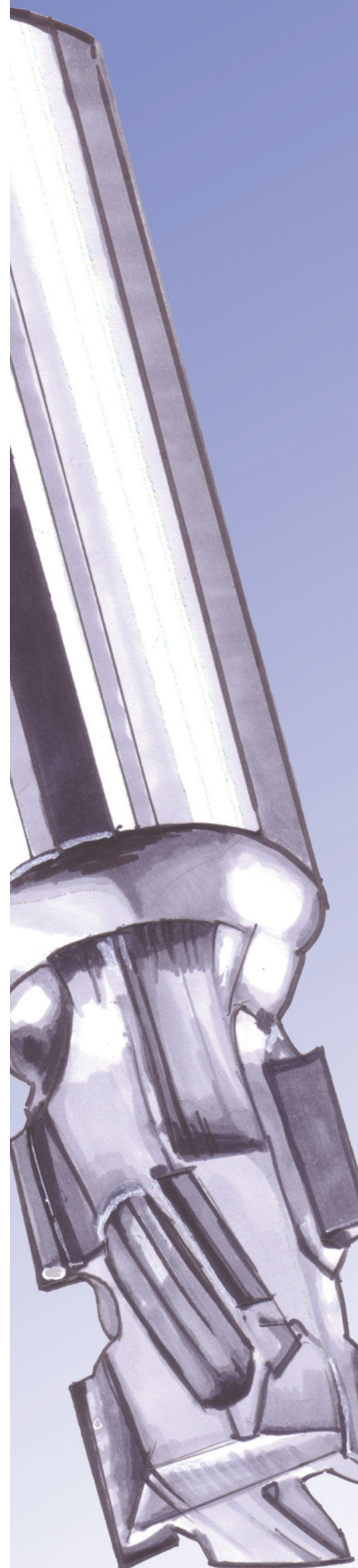
D mm	L2 mm	L1 mm	Shank mm	Z	Order No.
12	30	80	12	3+1	10108461

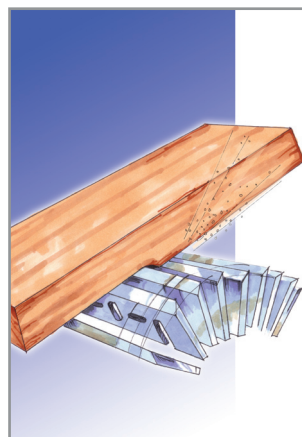
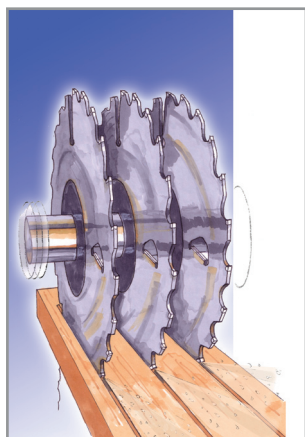
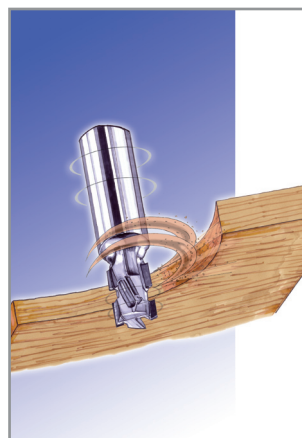
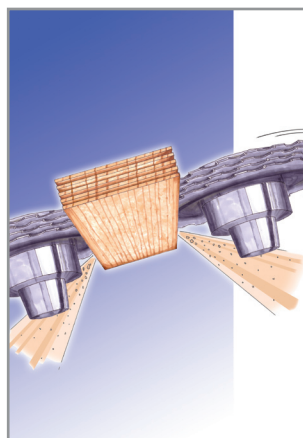
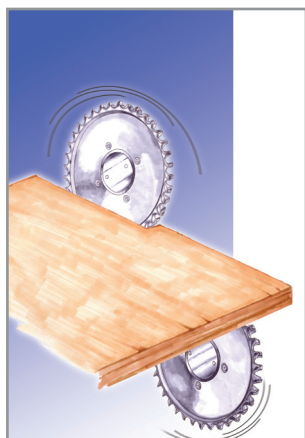
DP HSK-Plus Spiral Routercutter



- Application:** For panel sizing in Nesting method, grooving, jointing, rebating with high feed speed up to v_f 35 m/min
- Material:** Wood derived panels with or without coating.
Duroplastic material
- Machine:** Stationary machines with and without CNC control
- Design:** Stable and vibration free high performance Shank tool with HSK interface. DP Spiral cutter with cutting edge arrangement in 3 flutes. Therefore real Z3 through entire cutting length. DP plunging tip

D mm	L2 mm	L1 mm	Shank mm	Z	Order No.
16	38	89	HSK 25	3+1	10108517





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