








2043..

Panel Sizing Saw Blades DP - NoNoise

Product	Drawing	
		
		polycrystalline diamond [DP]
		

Machine / Application	Design	Advantages	Notes
<ul style="list-style-type: none"> panel sizing saws for sizing cuts in raw and plastic-laminated panels 	<ul style="list-style-type: none"> special NoNoise gullet geometry diamond cutting edges with polished design LEUCODIA tipping quality 	<ul style="list-style-type: none"> especially low noise level noise reduction by approx. 6 db(A) when idling for each application case the correct tooth form short delivery times interesting scaled prices 	<ul style="list-style-type: none"> all flat and alternate bevel teeth with protection chamfer further dimensions and tooth forms on request

 <p>TR-F-FA Single and book cuts, focus on universality</p>	 <p>G6 Improved edge live compared to TR-F-FA, reduced motor power</p>	 <p>G3 Reduced cutting pressure for veneered boards, plywood boards and honeycomb panels</p>
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Ø D	B	b	Ø d	Z	NL	Tooth geometry		Ident-No.
350	4,4	3.2	75	72		TR-F-FA	Homag Sawtech, Holzma 250	192319 s
350	4,4	3.2	75	72		G6	Homag Sawtech, Holzma 250	192320 s
350	4,4	3.2	75	72		G3	Homag Sawtech, Holzma 250	192321 s
350	4,4	3.2	60	72	2/14/100	TR-F-FA	Holzma 72, HPP350	192322 s
350	4,4	3.2	60	72	2/14/100	G6	Holzma 72, HPP350	192323 s
350	4,4	3.2	60	72	2/14/100	G3	Holzma 72, HPP350	192324 s
350	4,4	3.2	50	72	8/12,5/80	TR-F-FA	Giben Smart	192325 s
350	4,4	3.2	50	72	8/12,5/80	G6	Giben Smart	192326 s
350	4,4	3.2	50	72	8/12,5/80	G3	Giben Smart	192327 s
350	4,4	3.2	30	72	2/10/60	TR-F-FA	SCM, Panhans, Mayer, Schelling, Scheer	192328
350	4,4	3.2	30	72	2/10/60	G6	SCM, Panhans, Mayer, Schelling, Scheer	192329 s
350	4,4	3.2	30	72	2/10/60	G3	SCM, Panhans, Mayer, Schelling, Scheer	192330 s
350	4,25	3.2	30	72	2/10/60	TR-F-FA	Scheer	192331 s
350	4,25	3.2	30	72	2/10/60	G6	Scheer	192332 s
350	4,25	3.2	30	72	2/10/60	G3	Scheer	192333 s
355	4,4	3.2	80	72	4/19/120 + 2/8,4/130	TR-F-FA	Selco EB 90	192334 s
355	4,4	3.2	80	72	4/19/120 + 2/8,4/130	G6	Selco EB 90	192335 s
355	4,4	3.2	80	72	4/19/120 + 2/8,4/130	G3	Selco EB 90	192336 s
355	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	TR-F-FA	Gabbiani PRIMA, SCM ALPHA	192337 s
355	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G6	Gabbiani PRIMA, SCM ALPHA	192338 s
355	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G3	Gabbiani PRIMA, SCM ALPHA	192339 s
355	4,4	3.2	75	72	4/15/105	TR-F-FA	Giben	192340 s
355	4,4	3.2	75	72	4/15/105	G6	Giben	192341 s
355	4,4	3.2	75	72	4/15/105	G3	Giben	192342 s
380	4,8	3.5	60	72	2/14/100 + 2/14/125	TR-F-FA	Holzma	192343
380	4,8	3.5	60	72	2/14/100 + 2/14/125	G6	Holzma	192344 s
380	4,8	3.5	60	72	2/14/100 + 2/14/125	G3	Holzma	192345 s
400	4,4	3.2	80	72	2/7/110 + 4/19/120 + 2/8,4/130	TR-F-FA	Selco WN / EB	192346 s
[mm]	[mm]	[mm]	[mm]					

Panel Sizing Saw Blades

Ø D	B	b	Ø d	Z	NL	Tooth geometry		Ident-No.
400	4,4	3.2	80	72	2/7/110 + 4/19/120 + 2/8,4/130	G6	Selco WN / EB	192347 s
400	4,4	3.2	80	72	2/7/110 + 4/19/120 + 2/8,4/130	G3	Selco WN / EB	192348 s
400	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	TR-F-FA		192349 s
400	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G6		192350 s
400	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G3		192351 s
400	4,4	3.2	75	72	4/15/105	TR-F-FA	Giben, Homag CH08+12	192352 s
400	4,4	3.2	75	72	4/15/105	G6	Giben, Homag CH08+12	192353 s
400	4,4	3.2	75	72	4/15/105	G3	Giben, Homag CH08+12	192354 s
400	4,4	3.2	60	72		TR-F-FA	Anthon	192355 s
400	4,4	3.2	60	72		G6	Anthon	192356 s
400	4,4	3.2	60	72		G3	Anthon	192357 s
400	4,4	3.2	30	72	2/7/42 + 2/10/60	TR-F-FA	Schelling, Mayer, Irion, Scheer, HOLZ-HER	192358 s
400	4,4	3.2	30	72	2/7/42 + 2/10/60	G6	Schelling, Mayer, Irion, Scheer, HOLZ-HER	192359 s
400	4,4	3.2	30	72	2/7/42 + 2/10/60	G3	Schelling, Mayer, Irion, Scheer, HOLZ-HER	192360 s
430	4,4	3.2	80	72	4/19/120 + 2/8,4/130	TR-F-FA	Selco WN	192361 s
430	4,4	3.2	80	72	4/19/120 + 2/8,4/130	G6	Selco WN	192362 s
430	4,4	3.2	80	72	4/19/120 + 2/8,4/130	G3	Selco WN	192363 s
430	4,4	3.2	80	72	2/8,3/130	TR-F-FA	S.M.A., hoggers	192364 s
430	4,4	3.2	80	72	2/8,3/130	G6	S.M.A., hoggers	192365 s
430	4,4	3.2	80	72	2/8,3/130	G3	S.M.A., hoggers	192366 s
430	4,4	3.2	75	72	4/15/105 + 2/7/110	TR-F-FA	Giben Prismatic 2 old	192367 s
430	4,4	3.2	75	72	4/15/105 + 2/7/110	G6	Giben Prismatic 2 old	192368 s
430	4,4	3.2	75	72	4/15/105 + 2/7/110	G3	Giben Prismatic 2 old	192369 s
430	4,4	3.2	60	72	1/11/85	TR-F-FA	Anthon	192370
430	4,4	3.2	60	72	1/11/85	G6	Anthon	192371 s
430	4,4	3.2	60	72	1/11/85	G3	Anthon	192372 s
430	4,4	3.2	30	72		TR-F-FA		192373 s
430	4,4	3.2	30	72		G6		192374 s
430	4,4	3.2	30	72		G3		192375 s
450	4,4	3.2	80	72	2/7/110 + 2/8,3/130	TR-F-FA	S.M.A., Irion	192376 s
450	4,4	3.2	80	72	2/7/110 + 2/8,3/130	G6	S.M.A., Irion	192377 s
450	4,4	3.2	80	72	2/7/110 + 2/8,3/130	G3	S.M.A., Irion	192378 s
450	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	TR-F-FA	Gabbiani ELITE	192379 s
450	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G6	Gabbiani ELITE	192380 s
450	4,4	3.2	80	72	4/8,5/100 + 2/14/110 + 2/7/110	G3	Gabbiani ELITE	192381 s
450	4,4	3.2	30	72		TR-F-FA	Irion, Schelling	192382 s
450	4,4	3.2	30	72		G6	Irion, Schelling	192383 s
450	4,4	3.2	30	72		G3	Irion, Schelling	192384 s
450	4,8	3.5	80	72	4/19/120 + 2/8,4/130	TR-F-FA	Selco WN	192385 s
450	4,8	3.5	80	72	4/19/120 + 2/8,4/130	G6	Selco WN	192386 s
450	4,8	3.5	80	72	4/19/120 + 2/8,4/130	G3	Selco WN	192387 s
450	4,8	3.5	60	72	2/14/125 + 2/19/120	TR-F-FA	Holzma	192388
450	4,8	3.5	60	72	2/14/125 + 2/19/120	G6	Holzma	192389 s
450	4,8	3.5	60	72	2/14/125 + 2/19/120	G3	Holzma	192390 s
[mm]	[mm]	[mm]	[mm]					

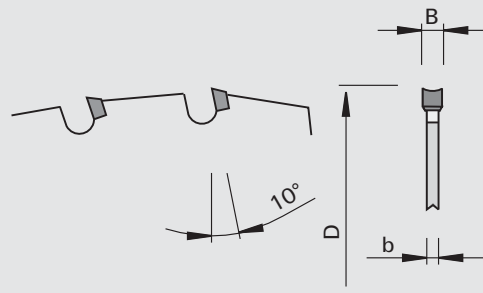
202289

Sizing Saw Blades DP "HR" - nn-System DP FLEX

Product



Drawing



LEUCO
nn-system

DP FLEX

polycrystalline diamond [DP]

NO
noise

Machine / Application

- | sizing saws and table saws
- | Vertical panel sizing saws
- | clipping saws
- | for precise cutting in all common wood-based panels such as raw and laminated particle and MDF boards, plywood boards, HDF, WPC, cement and gypsum fiber boards, mineral composites, Alucobond, ...
- | for ripping and cross cuts in solid wood, glued laminated timber, thermotreated wood

Design

- | resharpenable up to 2 times
- | small gullets
- | special cutting edge geometry
- | tooth configuration: hollow back tooth "HR"
- | cutting material: DP

Advantages

- | hardly perceivable noise level
- | highest productivity and economic efficiency thanks to extremely long edge lives due to DP-tipping
- | reduced cutting pressure thanks to hollow back tooth geometry

Notes

- | it is not recommended to use the saw blades for longitudinal cuts in soft wood and material thicknesses of more than 40 mm
- | chip-free cuts can only be guaranteed in combination with a suitable scoring saw blade
- | Attention! for these saw blades the thickness of the splitting wedge must range between 2.0 and 2.4 mm
- | included in delivery: splitting wedge must be ordered separately

Ø D	B	b	Ø d	Z	NL	Ident-No.
250	2,5	2.0	30	50	2/7/42 + 2/9/46 + 2/10/60	192440
254	2,5	2.0	25,4	50	2/7/42 + 2/9/46 + 2/10/60	192441
260	2,5	2.0	30	60	2/7/42 + 2/9/46 + 2/10/60	192442
280	2,5	2.0	30	60	2/7/42 + 2/9/46 + 2/10/60	192443
303	2,5	2.0	30	60	2/7/42 + 2/9/46 + 2/10/60	192444
315	2,5	2.0	30	64	2/7/42 + 2/9/46 + 2/10/60	192445
350	2,5	2.0	30	72	2/7/42 + 2/9/46 + 2/10/60	192446
[mm]	[mm]	[mm]	[mm]			

Accessories	B	For Ø D	for machine	Class-No.	Ident-No.
Splitting wedge	2,25	300-350	Altendorf F45	985500	192425
Splitting wedge	2,25	240-250	HOLZ-HER Vertikal	985500	192429
Splitting wedge	2,25	300-350	Striebig Standard III Control Evolution	985500	192430 s
Splitting wedge	2,25	300-350	Striebig Standard Eco	985500	192431 s
digital height measuring device	2,25	300	Putsch	985500	192457
digital height measuring device	2,25	250-350	Martin T60A	985500	192535
	[mm]	[mm]			

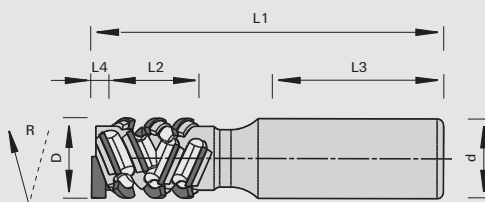
229324

p-System High-Performance Shank-Type Cutters CM DP

Product



Drawing



LEUCO
topline

LEUCO
p-system

polycrystalline diamond [DP]

MEC

Machine / Application

- | CNC stationary machines
- | for chip-free high-performance jointing and dividing of solid woods (free of knots) along and across the grain
- | for jointing and dividing of melamine-, paper-, HPL-laminated, foiled and veneered panels and lacquered surfaces
- | Finish-quality in the case of fiber materials such as fabric-laminated panels, linoleum with jute fibers, cork etc.

Design

- | extremely scoring cut
- | DP plunge tip

Advantages

- | maximum cutting quality and edge lives
- | large depth of cut possible
- | chip-free cuts even on the exit side
- | perfectly suitable for laser-edge-technology

Notes

- | adjust the tool to run centrally to the workpiece
- | Tools with plunge tip must project at least 4,5 mm on bottom side of workpiece in order to bring p-System cutting edges into action. D 30 is without plunge tip
- | for ramping or circular plunging only
- | recommended feed rate per tooth: wood-based panels 0.3 - 0.35 mm, solid wood 0.15 - 0.2 mm
- | clamping element: precision clamping element e.g. ps-System, Tribos
- | with thread for length adjusting screw
- | sense of rotation according to DIN-EN 50144

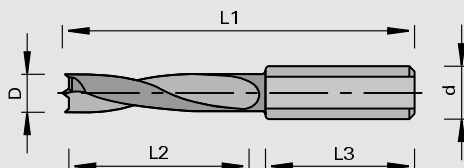
Ø D	L4	L2	Ø d	L3	L1	Z	H	Shear∠	Resharping area	Ident-No. [R]
12	3.1	13,5	16	45	85	1+1	10,5	70	1.5	185500 s
12	3.1	21,5	16	45	90	1+1	18,5	70	1.5	185501
14	3.4	27,0	16	45	100	1+1	24,0	70	1.8	185502
16	3.4	20,9	16	45	90	1+1	17,9	70	2.0	185503
16	3.4	26,1	16	45	100	1+1	23,1	70	2.0	185504
20	3.8	25,9	25	55	105	1+1	22,9	70	2.5	184379
20	3.8	29,5	25	55	110	1+1	26,5	70	2.5	184380
20	3.8	33,1	25	55	115	1+1	30,1	70	2.5	184381
25	3.8	26,5	25	55	105	2+2	23,5	70	2.5	184382
25	3.8	30,8	25	55	110	2+2	27,8	70	2.5	184383
25	3.8	48,0	25	55	130	2+2	45,0	70	2.5	184384
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[°]	[mm]	

130213

Mosquito Dowel Bits with solid carbide body

Product

Drawing



MOSQUITO

Solid Tungsten Carbide

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | 2 spurs
- | centering point
- | boring part made from fine-grain solid tungsten carbide

Advantages

- | chip-free hole edges thanks to special cutting edge geometry with spurs
- | safe drilling thanks to centering point
- | high feed rates and edge lives increased up to sixfold compared to traditional dowel bits thanks to solid carbide design
- | high process safety thanks to constant quality of the bores for a long time

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 included in delivery
- | through-hole bit with shank length L3=22 mm is not suitable for Weeke adjusting screw
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

Ø D	L2	Ø d	L3	L1	Ident-No. [L]	Ident-No. [R]
3	9	10	35	57.5	183143 o	183142 o
3	18	10	31	57.5	182380	182381
4	20	10	29	57.5	182382 o	182383 o
5	22	10	27	57.5	182384	182385
6	22	10	25	57.5	183145 o	183144 o
8	22	10	25	57.5	183147 o	183146 o
3	18	10	43.5	70	182386	182387
4	27	10	34.5	70	182388	182389
5	30	10	31.5	70	182390	182391
6	30	10	30	70	183149	183148
8	35	10	22	70	183151	183150
[mm]	[mm]	[mm]	[mm]	[mm]		

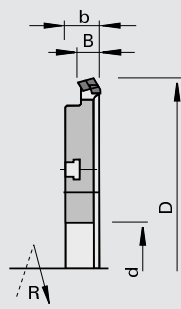
215052

PowerTec III Hoggers DP for LEUCO S-System Ø 160 mm and Ø 192 mm (DZ)

Product



Drawing



LEUCO
powertec III

polycrystalline diamond [DP]

MEC

Machine / Application

- | double end tenoners
- | for chip-free sizing of raw, melamine-, paper-, HPL-laminated, foiled and veneered panels

Design

- | n max = 7,200 min-1
- | resharpening area 4 mm
- | division of cut into low-noise hogger tooth and finish-cut tooth for optimum quality with closed cutting edges on one wing

Advantages

- | also for high feed-speeds
- | improved chip evacuation integrated into the tool
- | high cutting quality for veneered panels due to division of cut
- | extremely long edge lives thanks to optimized tooth form
- | low vibration

Notes

- | for double hogging process (DZ)
- | application with feed
- | sense of rotation according to DIN-EN 50144

Ø D	B	b	Ø d	Z	Feed DZ		Ident-No. [L]	Ident-No. [R]
250	14,5	23	60	16+8+4	28	S-System Ø 160	183451	183450
250	14,5	23	60	20+10+5	45	S-System Ø 160	183453	183452
250	14,5	23	60	28+14+7	60	S-System Ø 160	183455 s	183454 s
250	14,5	23	60	36+18+9	80	S-System Ø 160	183457 s	183456 s
250	14,5	23	80	16+8+4	28	S-System Ø 192	183461 s	183460 s
250	14,5	23	80	20+10+5	45	S-System Ø 192	183463 s	183462 s
250	14,5	23	80	28+14+7	60	S-System Ø 192	183465 s	183464 s
250	14,5	23	80	36+18+9	80	S-System Ø 192	183467 s	183466 s
[mm]	[mm]	[mm]	[mm]		[m/min]			

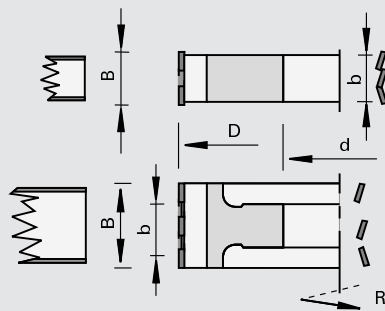
222120

DIAREX Jointing Cutters CM DP LowNoise

Product



Drawing



polycrystalline diamond [DP]

MEC

Machine / Application

- | edge banding machines
- | for noise-reduced, chip-free jointing of melamine-, paper-, HPL-laminated, foiled and veneered panels

Design

- | symmetrical and asymmetrical design
- | large opposing shear angle
- | uneven cutting edge configuration
- | resharpening area 3 mm

Advantages

- | optimized chip removal thanks to ChipMeister version
- | less chips remain inside of the machine
- | no malfunctions due to chips
- | reduction of suction power
- | optimal glueing of edges
- | optimized as to noise level and chip flow
- | excellent cutting quality even in the case of loose core
- | suitable for laser-edge-technology

Notes

- | sense of rotation according to DIN-EN 50144

Ø D	B	b	Ø d	Z	DKN	nmax			Ident-No. [L]	Ident-No. [R]
70	48,3	41	30	3+3	8x3,3	24000	HOLZ-HER	asymmetrical	184641 s	184642 s
70	64,2	41	30	3+3	8x3,3	24000	HOLZ-HER	asymmetrical	184643 s	184644 s
100	48,3	40	30	3+3	8x3,3	18000	Brandt, IMA, Biesse, SCM	asymmetrical	184637	184638
100	64,2	40,6	30	3+3	8x3,3	18000	Brandt, IMA, Biesse, SCM	asymmetrical	184639 s	184640 s
125	32,4	36,8	30	3+3	8x3,3	15000	Homag	symmetrical	184632	184632
125	43	40	30	3+3	8x3,3	15000	Homag	symmetrical	184633	184633
125	43	40,6	30	3+3	8x3,3	15000	Homag, IMA aggregate 08.378	asymmetrical	184955	184956
125	43	57	30	3+3	8x3,3	15000	IMA aggregate 08.379	asymmetrical	184981 s	184982 s
125	63	40	30	3+3	8x3,3	15000	Homag	symmetrical	184634	184634
125	63	40	30	3+3	8x3,3	15000	Homag	asymmetrical	184897	184898
125	64,2	40,6	30	3+3	8x3,3	15000	IMA aggregate 08.378	asymmetrical	184947	184948
125	64,2	57	30	3+3	8x3,3	15000	IMA aggregate 08.379	asymmetrical	184953	184954
[mm]	[mm]	[mm]	[mm]		[mm]	[min-1]				

mounted on Hydro-Bushing Ident-No. 184310

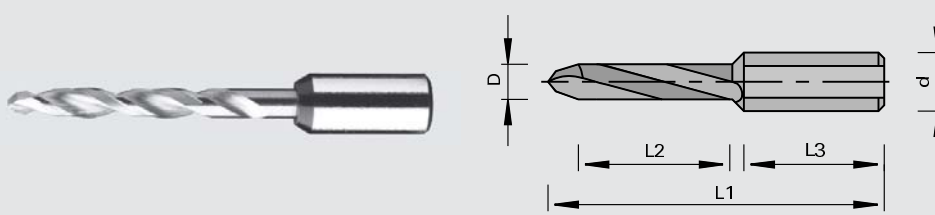
Ø D	B	Ø d	Z	nmax			Ident-No. [L]	Ident-No. [R]
125	43	70/30	3+3	15000	IMA aggregate 08.378 Hydro	asymmetrical	184969 s	184970 s
125	64,2	70/30	3+3	15000	IMA aggregate 08.378 Hydro	asymmetrical	184971 s	184972 s
125	43	70/30	4+4	15000	IMA aggregate 08.379 Hydro	asymmetrical	185119 s	185118 s
125	64,2	70/30	4+4	15000	IMA aggregate 08.379 Hydro	asymmetrical	185121 s	185120 s
125	43	70/30	5+5	15000	Homag Performance S2	symmetrical	185169	185170
125	63	70/30	5+5	15000	Homag Performance S2	symmetrical	185171	185172
150	43	70/30	5+5	12000	Homag Power S2 Hydro	symmetrical	185165	185166
150	63	70/30	5+5	12000	Homag Power S2 Hydro	symmetrical	185167	185168
[mm]	[mm]	[mm]		[min-1]				

130013

Mosquito Through-Hole Bits with solid carbide body

Product

Drawing



MOSQUITO

Solid Tungsten Carbide

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of through-holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | boring part made from fine-grain solid tungsten carbide

Advantages

- | chip-free hole edges thanks to special cutting edge geometry
- | high feed rates and edge lives increased up to sixfold compared to traditional dowel bits thanks to solid carbide design
- | high process safety thanks to constant quality of the bores for a long time

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 included in delivery
- | through-hole bit with shank length L3=24 mm is not suitable for Weeke adjusting screw
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

Ø D	L2	Ø d	L3	L1	Ident-No. [L]	Ident-No. [R]
3	27	10	30	70	183687	183686
4	35	10	24	70	183167	183166
5	35	10	24	70	183153	183152
6	35	10	24	70	183155	183154
8	35	10	24	70	183157	183156
[mm]	[mm]	[mm]	[mm]	[mm]		

Ø D	L2	Ø d	L3	L1	Ident-No. [R]
6	35	10	50	100	184289
[mm]	[mm]	[mm]	[mm]	[mm]	

for Lamello Clamex P