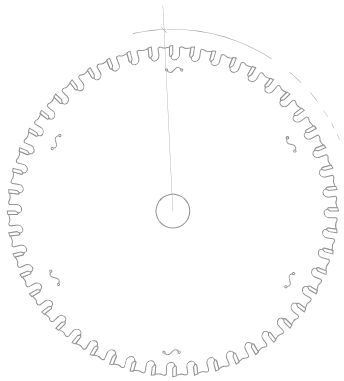
Circular Saw Blades for Stationary Machines

Freud's circular saw blades are crafted using premium materials, innovative designs and the industry's most sophisticated manufacturing processes and technologies.
Every blade is specifically engineered to deliver superior performance and maximum lifetime.
The premium portfolio offers a wide variety of solutions for stationary machines and for specific applications, dedicated to solid wood, wood based panels, ferrous or non-ferrous metals, plastic materials and composites.
All circular saw blades feature Freud's unique and industry-first attributes.

INDEX - CIRCULAR SAWS FOR STATIONARY MACHINES

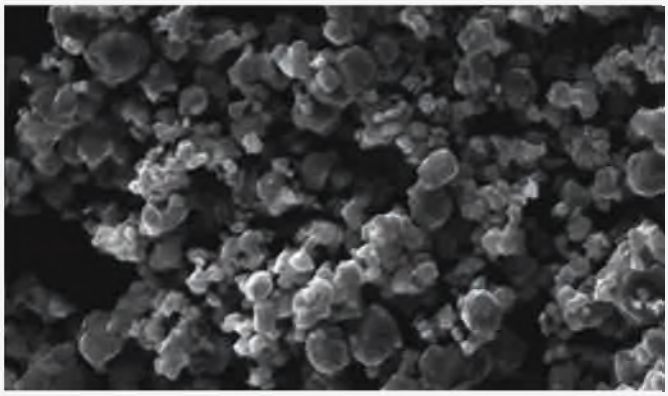


LEADING TECHNOLOGY

TICO CARBIDE TECHNOLOGY

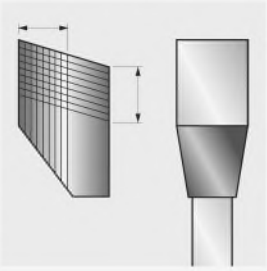
Freud's ownership and control of the entire Carbide production cycle ensures that the correct formula is used for the specific application needs, to constantly maximise the saw blade performance.

TiCo Carbide
A specially formulated, highly compact Titanium Cobalt Carbide, engineered and manufactured by Freud.
It provides a sharper edge and a flawless finish with a dramatically longer cutting life.



DESIGN INNOVATION

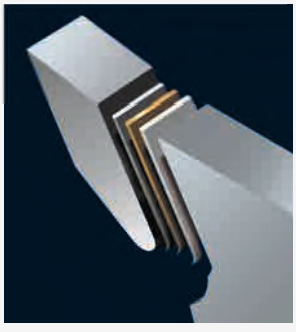
Freud's special tooth designs and geometries are engineered to perform perfect cuts and deliver extraordinary durability on industrial applications. Freud's tooth designs include: Super Square Tooth (below), Pyramid Tooth and SilenTip - each delivering outstanding precision and maximum lifetime.

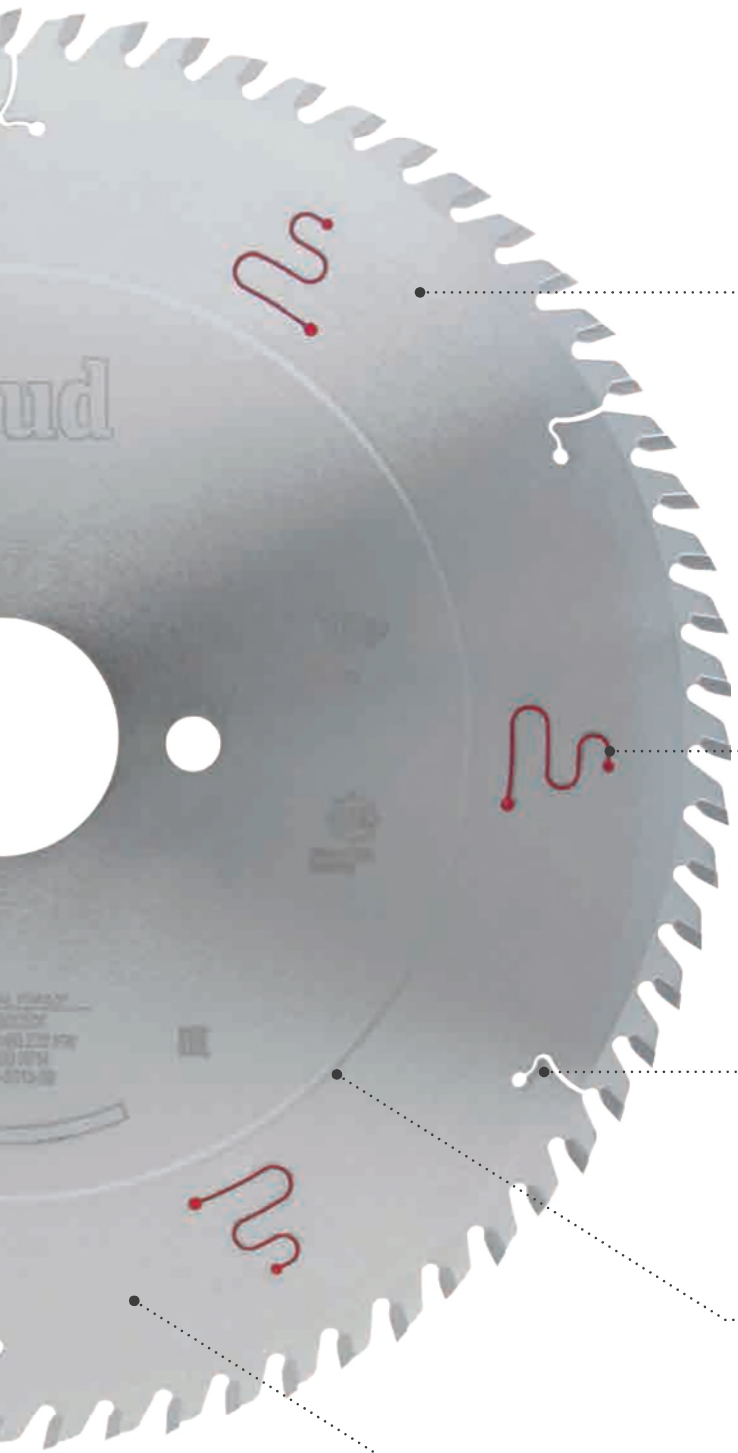


Super Square Tooth
Extended lifetime - up to 25 resharpenings. Tip thickness higher than standard for extra value for money.

EXTREME SHOCK RESISTANCE

All Freud's circular saw blades undergo an innovative **Tri-Metal Brazing** process that bonds the Carbide tips to the steel blade body. This special method consists of copper alloy sandwiched between layers of silver alloy, for extra flexibility and maximum impact resistance.





COATING TECHNOLOGY

All Freud's circular saw blades feature an industry-first premium coating for superior protection from heat, pitch build-up and corrosion.
Freud's coatings for industrial blades include: Silver I.C.E. (below); Perma-SHIELD and Black Exrim - each providing the highest performance on specific applications.

Silver I.C.E. Coating
A high performing and anticorrosive coating to maintain the blade temperature low during the working process.
The non-stick feature improves chip ejection and notably reduces resin build-up, significantly reducing friction and extending the lifetime of the blade.

ANTI-VIBRATION SOLUTIONS

A wide selection of Freud's premium circular saw blades displays advanced features for the perfect finishing.

Anti-vibration slots
Body slots laser cut with Freud's innovative technology.
Also available with thermoplastic polyurethane filling, that considerably reduces vibration and minimises noise.

LASER-CUT EXPANSION SLOTS

Special laser-cut expansion slots enable heat dispersion and prevent the blade deformation caused by overheating, granting the greatest blade stability.

TENSIONING

Freud's circular saw blades include a tensioning ring to maintain the blade flat, maximising cutting precision and performance.

PREMIUM MATERIAL

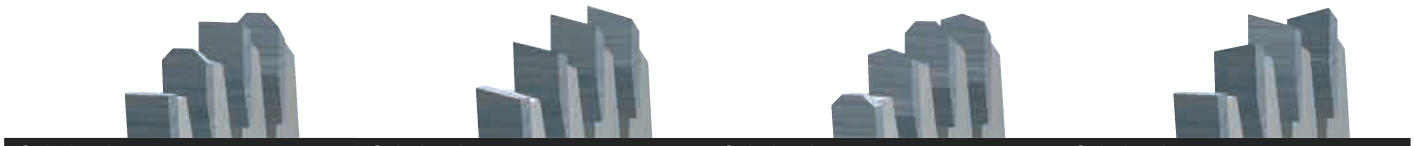
Premium Steel
Freud's circular saw blades for stationary machines are made from pre-hardened and pre-flattened superior quality steel (from 40 HRC to 48 HRC) that ensures the highest precision, performance and durability.

Saw blades teeth shape

FLAT TOOTH	DOUBLE TRIPLE CHIP TOOTH	CONICAL TOOTH	BEVELED TOOTH
LM01 - LM02 - LM05 - LM06 - LM07 - LM08 - LM10 - LU1E - LI20M - LI17M - LT18M - LT20M	LSC - LU4D - LU6A	LI25M - DLI25M	LU1B

Suitable for	Suitable for	Suitable for	Suitable for
Ripping of softwood	Laminates / bilaminates	Laminates (scoring saw blades)	Ripping and crosscutting of softwood
Ripping of hardwood	Solid surfaces		Ripping and crosscutting of hardwood
	Ferrous metals		Chipboard
			Solid wood and composites with nails and impurities

FLAT-TRIPLE CHIP TOOTH	INCLINED TOOTH	PYRAMID TOOTH	AXIAL TOOTH
LSB X - LU3D - LU3E - LU3F - LG3D - LU4A - LU5A - LU5B - LU5C - LU5D - LU5E	LI22M - LI13M - LI14M - LT16M - LT12M - LT14M	LU5F	LU1L - LU4B



Suitable for	Suitable for	Suitable for	Suitable for
Laminates / bilaminates	Crosscutting of softwood	Non-ferrous metals	Crosscutting of softwood
Chipboard	Crosscutting of hardwood	PVC	Crosscutting of hardwood
MDF	Laminates / bilaminates		Picture frames
Plywood	Plywood		Plexiglas
Plexiglas	Scoring saw blades, for laminates		Plastic materials
Plastic materials			
Non-ferrous metals			

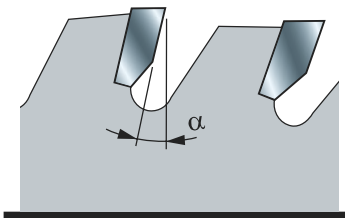
CONCAVE TOOTH	ROUNDED TOOTH	ALTERNATE TOP BEVEL TOOTH
LU3B - LU3C	LU1G	LM03 - LM04 - LM08 - LU1A/C/D/F/H/I - LU1M - LP70M - LU2A/B/C/D/E/F - LG1C - LG2A - LG2B - LG2C - LU3A - LU34M - LI16M - DLI16M - LI27M -

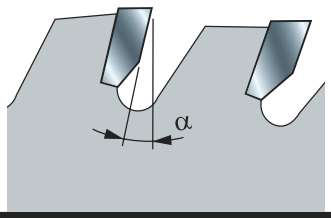


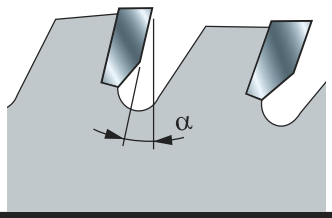
Suitable for	Suitable for	Suitable for
Laminates / bilaminates	Ripping of softwood	Ripping and crosscutting of softwood
		Ripping and crosscutting of hardwood
		Chipboard
		MDF
		Plywood
		Picture frames

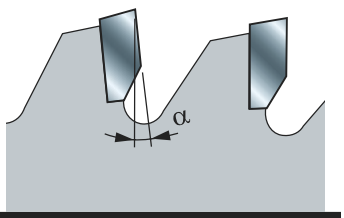
HOOK ANGLES

(α) 15° ÷ 25°	(α) 5° ÷ 15°	(α) 0° ÷ 5°	(α) 0° ÷ -10°









Suitable for	Suitable for	Suitable for	Suitable for
Crosscutting of softwood	Chipboard	Chipboard	Plexiglas
Crosscutting of hardwood	Plywood	Non-ferrous metals	Plastic materials
Solid surfaces	Laminates / bilaminates	Ferrous metals	Non-ferrous metals
	PVC		Laminates / bilaminates

Quick search by diameter

D mm	B mm	b mm	d mm	Z	Teeth		Freud Code	Art. No.	Material	Page
80	2,8 - 3,6	-	20	10 + 10	ATB	11°	**LI16M HA3**	F03FS02502	LP	81
80	2,8 - 3,6	-	20	12 + 12	ATB	11°	**LI16M GA3**	F03FS02501	LP	81
80	3,1 - 4,3	2,2	20	12	ATB	0°	**LI25M31AA3**	F03FS02606	LP	78
80	3,1 - 4,3	2,2	22	12	ATB	0°	**LI25M31AB3**	F03FS02608	LP	78
100	2,8 - 3,6	-	20	12 + 12	ATB	11°	**LI16M BA3**	F03FS02491	LP	81
100	2,8 - 3,6	-	22	12 + 12	ATB	11°	**LI16M BB3**	F03FS02493	LP	81
100	2,8 - 3,6	-	25,4	12 + 12	ATB	11°	**LI16M BR3**	F03FS07433	LP	81
100	2,8 - 3,6	-	20	12 + 12	ATB	10°	**DLI16MBAH6**	F03FS09635	LP	82
100	3,1 - 4,3	2,5	20	20	ATB	0°	**LI25M31BC3**	F03FS06099	LP	78
100	3,1 - 4,3	2,2	20	24	ATB	0°	**LI25M31BA3**	F03FS02610	LP	78
100	3,1 - 4,3	2,2	22	24	ATB	0°	**LI25M31BB3**	F03FS02612	LP	78
100	3,2	2,2	20	24	ATB	10°	**LI13MD AA3**	F03FS02452	LP	85
100	3,2	2,2	22	24	ATB	10°	**LI13MD AB3**	F03FS02454	LP	85
100	3,2	2,2	20	24	ATB	10°	**LI13MS AA3**	F03FS02466	LP	85
100	3,2	2,2	22	24	ATB	10°	**LI13MS AB3**	F03FS02468	LP	85
105	2,8 - 3,6	-	20	10 + 10	ATB	11°	**LI16M CA3**	F03FS02495	LP	81
110	3,1 - 4,3	2,2	20	24	ATB	0°	**LI25M31CA3**	F03FS02614	LP	78
110	3,1 - 4,3	2,2	22	24	ATB	0°	**LI25M31CB3**	F03FS02615	LP	78
115	3,1 - 4,3	2,2	20	24	ATB	0°	**LI25M31DA3**	F03FS02616	LP	78
115	3,1 - 4,3	2,2	22	24	ATB	0°	**LI25M31DB3**	F03FS02618	LP	78
115	3,2	2,2	20	30	FLAT	10°	**LI17M FA3**	F03FS02572	LP	84
115	4,1 - 5,3	3,0	45	24	ATB	0°	**LI25M41DE3**	F03FS08039	LP	78
120	1,7	1,2	20	24	ATB	20°	**FR02W003HC**	F03FS10043	WO	117
120	1,8	1,3	20	12	ATB	15°	**FR02W001H**	F03FS09663	WO	116
120	1,8	1,3	20	40	ATB	5°	**FR02W002H**	F03FS09664	WO	116
120	2,8 - 3,6	2,2	20	24	FLAT	6°	**DLI25M28EAH4**	F03FS09613	LP	80
120	2,8 - 3,6	2,2	22	24	FLAT	6°	**DLI25M28EBH4**	F03FS09615	LP	80
120	2,8 - 3,6	2,2	20	24	FLAT	6°	**DLI25M28EAH6**	F03FS09614	LP	80
120	2,8 - 3,6	2,2	22	24	FLAT	6°	**DLI25M28EBH6**	F03FS09616	LP	80
120	2,8 - 3,6	-	20	12 + 12	ATB	11°	**LI16M AA3**	F03FS02485	LP	81
120	2,8 - 3,6	-	22	12 + 12	ATB	11°	**LI16M AB3**	F03FS02488	LP	81
120	2,8 - 3,6	-	50	12 + 12	ATB	11°	**LI16M PF3**	F03FS02512	LP	81
120	2,8 - 3,6	-	50	12 + 12	ATB	11°	**LI16M RF3**	F03FS06512	LP	81
120	2,8 - 3,6	-	20	12 + 12	ATB	10°	**DLI16MAAH6**	F03FS09636	LP	82
120	2,8 - 3,6	-	22	12 + 12	ATB	10°	**DLI16MABH6**	F03FS09637	LP	82
120	2,8 - 4,0	2,2	20	24	ATB	0°	**LI25M28EA3**	F03FS02604	LP	78
120	2,8 - 4,0	2,2	22	24	ATB	0°	**LI25M28EB3**	F03FS02605	LP	78
120	3,1 - 3,9	2,2	20	24	FLAT	6°	**DLI25M31EAH4**	F03FS09617	LP	80
120	3,1 - 3,9	2,2	20	24	FLAT	6°	**DLI25M31EAH6**	F03FS09618	LP	80
120	3,1 - 4,3	2,2	20	24	ATB	0°	**LI25M31EA3**	F03FS02620	LP	78
120	3,1 - 4,3	2,2	22	24	ATB	0°	**LI25M31EB3**	F03FS02622	LP	78
120	3,1 - 4,3	2,5	20	24	ATB	0°	**LI25M31EC3**	F03FS05978	LP	78
120	3,2	2,2	20	30	FLAT	10°	**LI17M GA3**	F03FS02574	LP	84
120	3,4 - 4,6	2,2	20	24	ATB	0°	**LI25M34EA3**	F03FS02632	LP	78
120	4,0	3,0	30	18	ATB	10°	**LU34M40AC3**	F03FS06095	WP	77
120	4,0	3,0	20	30	ATB	10°	**LU34M40EA3**	F03FS06367	WP	77
120	4,0	3,0	35	30	ATB	10°	**LU34M40EC3**	F03FS05141	WP	77
120	4,0 - 5,0	-	50	12 + 12	ATB	11°	**LI16M IF3**	F03FS02504	LP	81
120	5,0	3,0	30	18	ATB	10°	**LU34M50AC3**	F03FS06096	WP	77
120	5,0	3,0	35	30	ATB	10°	**LU34M50EC3**	F03FS05143	WP	77

D mm	B mm	b mm	d mm	Z	Teeth		Freud Code	Art. No.	Material	Page
120	6,0	3,0	30	18	ATB	10°	**LU34M60AC3**	F03FS06097	WP	77
120	6,0	3,0	35	30	ATB	10°	**LU34M60EC3**	F03FS05145	WP	77
125	2,8 - 3,6	-	20	12 + 12	ATB	11°	**LI16M FA3**	F03FS02500	LP	81
125	2,8 - 3,6	-	20	14 + 14	ATB	11°	**LI16M EA3**	F03FS02498	LP	81
125	2,8 - 3,6	-	22	14 + 14	ATB	11°	**LI16M EB3**	F03FS02499	LP	81
125	3,1 - 3,9	2,2	20	24	FLAT	6°	**DLI25M31FAH4**	F03FS09619	LP	80
125	3,1 - 3,9	2,2	20	24	FLAT	6°	**DLI25M31FAH6**	F03FS09620	LP	80
125	3,1 - 4,3	2,2	20	24	ATB	0°	**LI25M31FA3**	F03FS02623	LP	78
125	3,1 - 4,3	2,2	22	24	ATB	0°	**LI25M31FB3**	F03FS02625	LP	78
125	3,1 - 4,3	2,5	20	24	ATB	0°	**LI25M31FC3**	F03FS05932	LP	78
125	3,2	2,2	20	30	ATB	10°	**LI13MD BA3**	F03FS02455	LP	85
125	3,2	2,2	20	30	ATB	10°	**LI13MS BA3**	F03FS02470	LP	85
125	3,4 - 4,6	2,2	20	24	ATB	0°	**LI25M34FA3**	F03FS02634	LP	78
125	3,4 - 4,6	2,2	45	24	ATB	0°	**LI25M34FE3**	F03FS02636	LP	78
125	4,0 - 4,7	-	20	20 + 20	ATB	11°	**LI16M DA3**	F03FS02496	LP	81
125	4,0 - 5,0	-	45	12 + 12	ATB	11°	**LI16M KE3**	F03FS02506	LP	81
125	4,3 - 5,5	3,2	20	24	ATB	0°	**LI25M43FA3**	F03FS02643	LP	78
125	4,3 - 5,5	3,2	45	24	ATB	0°	**LI25M43FE3**	F03FS02645	LP	78
125	4,5 - 5,7	3,0	20	24	ATB	0°	**LI25M45FA3**	F03FS02697	LP	78
125	4,5 - 5,7	3,0	45	24	ATB	0°	**LI25M45FE3**	F03FS02699	LP	78
130	2,4	1,6	20	24	ATB	15°	**FR03W001H**	F03FS09665	WO	116
130	2,4	1,6	20	36	ATB	5°	**FR03W002H**	F03FS09666	WO	116
136	1,5	1,0	20	24	ATB	20°	**FR03W003HC**	F03FS10044	WO	117
136	1,6	1,0	20	48	HLTCG	0°	**FR03A001HC**	F03FS10082	AL	129
140	1,8	1,3	20	24	ATB	15°	**FR04W001H**	F03FS09667	WO	116
140	1,8	1,3	20	36	ATB	10°	**FR04W002H**	F03FS09668	WO	116
140	1,8	1,3	20	42	ATB	5°	**FR04W003H**	F03FS09669	WO	116
140	1,8	1,3	20	42	ATB	-5°	**FR04L001H**	F03FS09797	LP	123
140	1,8	1,3	20	42	HLTCG	-5°	**FR04A001H**	F03FS09806	AL	129
140	1,8	1,3	20	4	TCG	10°	**FR04F001H**	F03FS09836	FC	133
140	1,8	1,3	20	42	HLTCG	0°	**FR04H001H**	F03FS09864	HPL	126
140	1,8	1,3	20	24	ATB	15°	**FR04W004HC**	F03FS10045	WO	117
140	1,8	1,3	20	42	ATB	5°	**FR04W005HC**	F03FS10046	WO	117
140	1,8	1,3	20	48	HLTCG	-5°	**FR04A002HC**	F03FS10083	AL	129
140	3,1 - 4,3	2,2	16	28	ATB	8°	**LI25M31HM3**	F03FS02627	LP	78
140	3,2	2,2	30	28 + 4	ATB	10°	**LI14MD CA3**	F03FS02481	LP	85
140	3,2	2,2	30	28 + 4	ATB	10°	**LI14MS CA3**	F03FS02483	LP	85
140	3,4 - 4,6	3,0	45	24	ATB	8°	**LI25M34HE3**	F03FS02638	LP	78
140	4,3 - 5,5	3,2	45	28	ATB	8°	**LI25M43HE3**	F03FS02647	LP	78
140	4,5 - 5,7	3,0	45	24	ATB	8°	**LI25M45HE3**	F03FS02701	LP	78
145	4,3 - 5,5	3,2	45	30	ATB	8°	**LI25M43WE3**	F03FS08015	LP	78
150	1,8	1,3	20	48	HLTCG	0°	**FR05A002HC**	F03FS10084	AL	129
150	2,0	1,4	30	48	ATB	5°	**LU2D 0100**	F03FS04944	WP	50
150	2,4	1,6	16	24	ATB	15°	**FR05W001H**	F03FS09670	WO	116
150	2,4	1,6	20	24	ATB	15°	**FR05W002H**	F03FS09671	WO	116
150	2,4	1,6	20	42	ATB	5°	**FR05W003H**	F03FS09672	WO	116
150	2,5	1,6	20	42	HLTCG	-5°	**FR05A001H**	F03FS09807	AL	129
150	3,1 - 4,3	2,2	30	36	ATB	8°	**LI25M31KC3**	F03FS02628	LP	78
150	3,2	2,2	30	24	ATB	15°	**LU2A 0100**	F03FS04806	WP	47
150	3,2	2,2	30	36	ATB	10°	**LU2B 0100**	F03FS04869	WP	48

WO: Solid wood - **LP:** Chipboard and laminated panels - **WP:** Wood Based Panel - **PM:** Polymeric Materials - **AL:** Aluminium & Non-ferrous metals - **ST:** Steel - **CW:** Construct Wood - **FC:** Fibre Cement - **HPL:** High Pressure Laminate - **SP:** Sandwich Panel - **MM:** Multi Material

D mm	B mm	b mm	d mm	Z	Teeth		Freud Code	Art. No.	Material	Page
150	3,2	2,2	30	48	ATB	5°	**LU2C 0100**	F03FS04908	WP	49
150	3,2	2,2	30	36	ATB	10°	**LI22MD KC3**	F03FS02581	LP	84
150	3,2	2,2	55	36	ATB	10°	**LI22MD KG3**	F03FS02583	LP	84
150	3,2	2,2	60	36	ATB	10°	**LI22MD KH3**	F03FS02584	LP	84
150	3,2	2,2	30	36	ATB	10°	**LI22MS KC3**	F03FS02592	LP	84
150	3,2	2,2	55	36	ATB	10°	**LI22MS KG3**	F03FS02594	LP	84
150	3,2	2,2	60	36	ATB	10°	**LI22MS KH3**	F03FS02595	LP	84
150	3,2	2,2	30	48	ATB	10°	**LI13MD DA3**	F03FS02459	LP	85
150	3,2	2,2	55	48	ATB	10°	**LI13MD DB3**	F03FS02461	LP	85
150	3,2	2,2	30	48	ATB	10°	**LI13MS DA3**	F03FS02474	LP	85
150	3,2	2,2	55	48	ATB	10°	**LI13MS DB3**	F03FS02476	LP	85
150	3,4 - 4,6	2,2	30	36	ATB	8°	**LI25M34KC3**	F03FS02639	LP	78
150	4,3 - 5,6	3,2	30	36	ATB	8°	**LI25M43KC3**	F03FS02649	LP	78
150	4,3 - 5,6	3,2	45	36	ATB	8°	**LI25M43KE3**	F03FS02651	LP	78
150	4,5 - 5,8	3,0	30	36	ATB	8°	**LI25M45KC3**	F03FS02702	LP	78
150	4,5 - 5,8	3,0	45	36	ATB	8°	**LI25M45KE3**	F03FS02704	LP	78
160	1,5	1,0	20	24	ATB	25°	**FR05W015HC**	F03FS10048	WO	117
160	1,5	1,0	20	36	ATB	15°	**FR05W016HC**	F03FS10049	WO	117
160	1,5	1,0	20	48	ATB	10°	**FR05W017HC**	F03FS10050	WO	117
160	1,8	1,3	20	24	ATB	15°	**FR06W003H**	F03FS09675	WO	116
160	1,8	1,3	20	36	ATB	10°	**FR06W004H**	F03FS09676	WO	116
160	1,8	1,3	20	48	ATB	5°	**FR06W005H**	F03FS09677	WO	116
160	1,8	1,2	20	48	ATB	-5°	**FR06L003HC**	F03FS10075	LP	123
160	1,8	1,3	20	54	HLTCG	0°	**FR06A002HC**	F03FS10085	AL	129
160	1,8	1,2	20	4	TCG	10°	**FR06F002HC**	F03FS10095	FC	133
160	2,0	1,6	20	30	DTCG	0°	**LU6A 0100**	F03FS05343	ST	102
160	2,0	1,3	20	14	ATB	18°	**FR06C001H**	F03FS09788	CW	121
160	2,0	1,6	20	30	HLTCG (Ch)	0°	**FR06X001H**	F03FS09852	SP	136
160	2,0	1,6	20	30	HLTCG (Ch)	0°	**FR06M001H**	F03FS10114	MM	138
160	2,2	1,6	20	24	ATB	15°	**LU2A 0301**	F03FS09233	WP	47
160	2,2	1,6	20	48	ATB	5°	**LU2C 0001**	F03FS09065	WP	49
160	2,2	1,6	20	48	ATB	-2°	**LU3A 0001**	F03FS07411	LP	70
160	2,2	1,6	20	24	ATB	15°	**FR06W006H**	F03FS09678	WO	116
160	2,2	1,6	20	36	ATB	10°	**FR06W007H**	F03FS09679	WO	116
160	2,2	1,6	20	48	ATB	5°	**FR06W008H**	F03FS09680	WO	116
160	2,2	1,6	20	48	ATB	-5°	**FR06L001H**	F03FS09798	LP	123
160	2,2	1,6	20	48	HLTCG	-5°	**FR06L002H**	F03FS09799	LP	123
160	2,2	1,6	20	52	HLTCG	-5°	**FR06A001H**	F03FS09808	AL	129
160	2,2	1,6	20	4	TCG	10°	**FR06F001H**	F03FS09837	FC	133
160	2,2	1,6	20	48	HLTCG	0°	**FR06H001H**	F03FS09865	HPL	126
160	2,4	1,6	16	24	ATB	15°	**FR06W001H**	F03FS09673	WO	116
160	2,4	1,6	16	48	ATB	5°	**FR06W002H**	F03FS09674	WO	116
160	2,4	1,6	20	24	ATB	15°	**FR06W009H**	F03FS09681	WO	116
160	2,4	1,6	20	36	ATB	10°	**FR06W010H**	F03FS09682	WO	116
160	2,4	1,6	20	48	ATB	5°	**FR06W011H**	F03FS09683	WO	116
160	2,4	1,6	30	24	ATB	15°	**FR06W012H**	F03FS09684	WO	116
160	2,4	1,6	30	48	ATB	5°	**FR06W013H**	F03FS09685	WO	116
160	2,8	2,2	20	42	TCG	-6°	**LU5D 0100**	F03FS05288	PM AL	98
160	3,1 - 4,3	2,2	20	36	ATB	8°	**LI25M31LA3**	F03FS02630	LP	78
160	3,2	2,2	20	24	ATB	15°	**LU2A 0300**	F03FS04809	WP	47
160	3,2	2,2	20	18	ATB	15°	**LU2A 0200**	F03FS04808	WP	47
160	3,2	2,2	20	48	ATB	5°	**LU2C 0200**	F03FS04910	WP	49
160	3,4 - 4,6	2,2	25,4	36	ATB	8°	**LI25M34LR3**	F03FS02641	LP	78
160	4,3 - 5,5	3,2	25,4	36	ATB	8°	**LI25M43LR3**	F03FS02660	LP	78
160	4,3 - 5,5	3,2	30	36	ATB	8°	**LI25M43LC3**	F03FS02653	LP	78
160	4,3 - 5,5	3,2	45	36	ATB	8°	**LI25M43LE3**	F03FS02655	LP	78
160	4,3 - 5,5	3,2	55	36	ATB	8°	**LI25M43LG3**	F03FS02657	LP	79
160	4,3 - 5,5	3,2	60	36	ATB	8°	**LI25M43LH3**	F03FS02659	LP	79
160	4,5 - 5,7	3,0	45	36	ATB	8°	**LI25M45LE3**	F03FS02706	LP	79
160	4,5 - 5,7	3,0	55	36	ATB	8°	**LI25M45LG3**	F03FS02708	LP	79
165	1,5	1,0	20	12	ATB	25°	**FR07W009HC**	F03FS10051	WO	117
165	1,5	1,0	20	24	ATB	25°	**FR07W010HC**	F03FS10052	WO	117
165	1,5	1,0	20	36	ATB	15°	**FR07W011HC**	F03FS10053	WO	117
165	1,5	1,0	20	48	ATB	10°	**FR07W012HC**	F03FS10054	WO	117
165	1,7	1,3	20	12	ATB	20°	**FR07W009H**	F03FS10040	WO	116
165	1,7	1,3	20	24	ATB	15°	**FR07W001H**	F03FS09686	WO	116
165	1,7	1,3	20	40	ATB	18°	**FR07W002H**	F03FS09687	WO	116
165	1,8	1,2	20	48	ATB	-5°	**FR07L002HC**	F03FS10076	LP	123
165	1,8	1,3	20	54	HLTCG	0°	**FR07A002HC**	F03FS10086	AL	129
165	1,8	1,2	20	4	TCG	10°	**FR07F002HC**	F03FS10096	FC	133
165	2,0	1,3	20	14	ATB	18°	**FR07C001H**	F03FS09789	CW	121
165	2,0	1,6	20	30	HLTCG (Ch)	0°	**FR07X001H**	F03FS09853	SP	136
165	2,2	1,6	20	4	TCG	10°	**FR07F001H**	F03FS09838	FC	133
165	2,4	1,6	20	24	ATB	15°	**FR07W003H**	F03FS09688	WO	116
165	2,4	1,6	20	36	ATB	10°	**FR07W004H**	F03FS09689	WO	116
165	2,4	1,6	20	48	ATB	5°	**FR07W005H**	F03FS09690	WO	116
165	2,4	1,6	30	24	ATB	15°	**FR07W006H**	F03FS09691	WO	116
165	2,4	1,6	30	36	ATB	10°	**FR07W007H**	F03FS09692	WO	116
165	2,4	1,6	30	48	ATB	5°	**FR07W008H**	F03FS09693	WO	116
165	2,5	1,6	20	52	HLTCG	-5°	**FR07A001H**	F03FS09809	AL	129
165	2,5	1,6	30	52	HLTCG	-5°	**FR07A002H**	F03FS09810	AL	129
165	2,6	1,6	20	48	ATB	-5°	**FR07L001H**	F03FS09800	LP	123
165	2,6	1,6	20	48	HLTCG	0°	**FR07H001H**	F03FS09866	HPL	126
170	2,4	1,6	30	40	ATB	10°	**FR08W002H**	F03FS09695	WO	116
175	4,3 - 5,5	3,2	75	36	ATB	8°	**LI25M43WT3**	F03FS07816	LP	79
178	1,5	1,0	25,4	80	AXL	15°	**LU4B 0500**	F03FS05173	PM	92
180	1,5	1,0	40	24	FLAT	20°	**LM08 0100**	F03FS03169	WO	31
180	1,5	1,0	60	24	FLAT	20°	**LM08 0200**	F03FS03171	WO	31
180	1,5	1,0	30	40	ATB	15°	**LU1H 0100**	F03FS04649	WO	41
180	2,0	1,4	30	56	ATB	5°	**LU2D 0200**	F03FS04948	WP	50
180	2,0	1,4	40	56	ATB	5°	**LU2D 0300**	F03FS04950	WP	50
180	2,0	1,3	30	14	ATB	18°	**FR09C001H**	F03FS09790	CW	121
180	2,2	1,6	40	16+2	FLAT	20°	**LM01 0100**	F03FS02751	WO	24
180	2,4	1,6	20	24	ATB	15°	**FR09W001H**	F03FS09696	WO	116
180	2,4	1,6	20	48	ATB	5°	**FR09W002H**	F03FS09697	WO	116
180	2,4	1,6	30	24	ATB	15°	**FR09W003H**	F03FS09698	WO	116
180	2,4	1,6	30	48	ATB	5°	**FR09W004H**	F03FS09699	WO	116
180	2,5	1,6	30	56	HLTCG	-5°	**FR09A001H**	F03FS09811	AL	129
180	2,8	2,2	20	42	TCG	-6°	**LU5C 0100**	F03FS07195	AL	97
180	2,8	2,2	30	42	TCG	-6°	**LU5C 0200**	F03FS05261	AL	97
180	3,1 - 4,3	2,2	16	42	ATB	8°	**LI25M31NM3**	F03FS02631	LP	79
180	3,2	2,2	30	30	ATB	15°	**LU2A 0500**	F03FS04811	WP	47
180	3,2	2,2	20	24	ATB	10°	**LU2A 0400**	F03FS04810	WP	47
180	3,2	2,2	30	42	ATB	10°	**LU2B 0200**	F03FS04871	WP	48
180	3,2	2,2	20	56	ATB	5°	**LU2C 0300**	F03FS04911	WP	49
180	3,2	2,2	30	56	ATB	5°	**LU2C 0400**	F03FS04912	WP	49
180	3,2	2,2	50	54	FLAT	10°	**LI20M BB3**	F03FS02579	LP	83
180	3,2	2,2	30	42	ATB	10°	**LI22MD NC3**	F03FS02585	LP	84
180	3,2	2,2	55	42	ATB	10°	**LI22MD NG3**	F03FS02586	LP	84
180	3,2	2,2	30	42	ATB	10°	**LI22MS NC3**	F03FS02596	LP	84
180	3,2	2,2	55	42	ATB	10°	**LI22MS NG3**	F03FS02598	LP	84
180	3,4 - 4,6	2,2	25,4	36	ATB	8°	**LI25M34NR3**	F03FS02642	LP	79
180	4,0	3,0	35	44	ATB	10°	**LU34M40NC3**	F03FS05142	WP	77
180	4,3 - 5,1	3,2	45	30	FLAT	6°	**DLI25M43NEH4**	F03FS09621	LP	80
180	4,3 - 5,1	3,2	45	30	FLAT	6°	**DLI25M43NEH6**	F03FS09622	LP	80
180	4,3 - 5,5	3,2	20	28	ATB	8°	**LI25M43NA3**	F03FS02661	LP	79
180	4,3 - 5,5	3,2	30	28	ATB	8°	**LI25M43NC3**	F03FS02663	LP	79
180	4,3 - 5,5	3,2	20	36	ATB	8°	**LI25M43XA3**	F03FS06372	LP	79
180	4,3 - 5,5	3,2	30	36	ATB	8°	**LI25M43XN3**	F03FS06373	LP	79
180	4,3 - 5,5	3,2	45	36	ATB	8°	**LI25M43NE3**	F03FS02664	LP	79
180	4,3 - 5,5	3,2	50	36	ATB	8°	**LI25M43NF3**	F03FS02666	LP	79
180	4,5 - 5,7	3,0	20	36	ATB	8°	**LI25M45NA3**	F03FS02710	LP	79
180	4,7 - 5,5	3,5	45	30	FLAT	6°	**DLI25M47NEH4**	F03FS09623	LP	80
180	4,7 - 5,5	3,5	45	30	FLAT	6°	**DLI25M47NEH6**	F03FS09624	LP	80
180	4,7 - 5,9	3,5	45	36	ATB	8°	**LI25M47NE3**	F03FS02715	LP	79
180	5,0	3,0	35	44	ATB	10°	**LU34M50NC3**	F03FS05144	WP	77
180	5,1 - 6,3	3,5	55	36	ATB	8°	**LI25M51NG3**	F03FS02724	LP	79
180	5,7 - 6,9	4,0	20	36	ATB	8°	**LI25M57NA3**	F03FS02727	LP	79
180	6,0	3,0	35	44	ATB	10°	**LU34M60NC3**	F03FS05146	WP	77
182	1,7	1,3	19,05	30	ATB	15°	**FR10W001H**	F03FS09700	WO	116
182	1,7	1,3	19,05	40	ATB	15°	**FR10W002H**	F03FS09701	WO	116
182	1,7	1,3	19,05	60	ATB	15°	**FR10W003H**	F03FS09702	WO	116
184	1,6	1,0	20	24	ATB	25°	**FR11W010HC**	F03FS10055	WO	117
184	1,6	1,0	20	48	ATB	10°	**FR11W011HC**	F03FS10056	WO	118

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
184	2,0	1,6	15,88	38	DTCG 0°	**LU6A 0200**	F03FS05344	ST	102
184	2,0	1,6	15,88	48	DTCG 0°	**LU6A 1900**	F03FS06586	ST	102
184	2,0	1,3	16	14	ATB 18°	**FR11C001H**	F03FS09791	CW	121
184	2,0	1,6	30	36	HLTCG (Ch) 0°	**FR11M001H**	F03FS10113	MM	138
184	2,2	1,6	30	4	TCG 10°	**FR11F001H**	F03FS09840	FC	133
184	2,4	1,6	16	24	ATB 15°	**FR11W001H**	F03FS09703	WO	116
184	2,4	1,6	16	40	ATB 10°	**FR11W002H**	F03FS09704	WO	116
184	2,4	1,6	30	24	ATB 15°	**FR11W007H**	F03FS09709	WO	116
185	1,5	1,0	25,4	40	ATB 15°	**LU1H 0200**	F03FS04650	WO	41
185	2,4	1,6	20	60	ATB -5°	**FR12L001H**	F03FS09801	LP	123
190	1,5	1,0	30	18	ATB 25°	**FR13W010HC**	F03FS10057	WO	118
190	1,5	1,0	30	24	ATB 25°	**FR13W011HC**	F03FS10058	WO	118
190	1,5	1,0	30	48	ATB 15°	**FR13W012HC**	F03FS10059	WO	118
190	1,5	1,0	30	60	ATB 10°	**FR13W013HC**	F03FS10060	WO	118
190	1,8	1,3	30	54	HLTCG 0°	**FR13A003HC**	F03FS10088	AL	129
190	1,8	1,2	30	4	TCG 10°	**FR13F003HC**	F03FS10097	FC	133
190	2,0	1,6	30	38	DTCG 0°	**LU6A 0300**	F03FS05345	ST	102
190	2,0	1,3	30	24	ATB 15°	**FR13W001T**	F03FS09767	WO	119
190	2,0	1,3	30	48	ATB 5°	**FR13W002T**	F03FS09768	WO	119
190	2,0	1,3	30	14	ATB 18°	**FR13C001H**	F03FS09792	CW	121
190	2,0	1,6	30	36	HLTCG (Ch) 0°	**FR13X001H**	F03FS09854	SP	136
190	2,0	1,6	30	38	HLTCG (Ch) 0°	**FR13M001H**	F03FS10041	MM	138
190	2,1	1,4	30	60	ATB -5°	**FR13L002HC**	F03FS10077	LP	123
190	2,2	1,6	20	4	TCG 10°	**FR13F001H**	F03FS09841	FC	133
190	2,2	1,6	30	4	TCG 10°	**FR13F002H**	F03FS09842	FC	133
190	2,4	1,6	16	24	ATB 15°	**FR13W001H**	F03FS09712	WO	116
190	2,4	1,6	16	48	ATB 10°	**FR13W002H**	F03FS09713	WO	116
190	2,4	1,6	20	24	ATB 15°	**FR13W003H**	F03FS09714	WO	116
190	2,4	1,6	20	48	ATB 10°	**FR13W004H**	F03FS09715	WO	116
190	2,4	1,6	20	56	ATB 5°	**FR13W005H**	F03FS09716	WO	116
190	2,4	1,6	30	24	ATB 15°	**FR13W006H**	F03FS09717	WO	116
190	2,4	1,6	30	40	ATB 10°	**FR13W007H**	F03FS09718	WO	116
190	2,4	1,6	30	48	ATB 10°	**FR13W008H**	F03FS09719	WO	116
190	2,4	1,6	30	56	ATB 5°	**FR13W009H**	F03FS09720	WO	117
190	2,4	1,6	Fast Fix	24	ATB 15°	**FR13W003T**	F03FS09769	WO	119
190	2,4	1,6	Fast Fix	48	ATB 5°	**FR13W004T**	F03FS09770	WO	119
190	2,5	1,8	30	48	ATB -2°	**LU3A 0002**	F03FS07412	LP	70
190	2,5	1,6	20	56	HLTCG -5°	**FR13A001H**	F03FS09814	AL	129
190	2,5	1,6	30	56	HLTCG -5°	**FR13A002H**	F03FS09815	AL	129
190	2,6	1,6	30	60	ATB -5°	**FR13L001H**	F03FS09802	LP	123
190	2,6	1,8	Fast Fix	58	HLTCG -5°	**FR13A001T**	F03FS09833	AL	130
190	2,6	1,6	20	56	HLTCG 0°	**FR13H001H**	F03FS09867	HPL	126
190	2,6	1,6	30	56	HLTCG 0°	**FR13H002H**	F03FS09868	HPL	126
190	2,8	2,2	30	54	TCG -6°	**LU5D 0200**	F03FS05289	PM AL	98
190	3,2	2,2	30	30	ATB 15°	**LU2A 0600**	F03FS04813	WP	47
190	3,2	2,2	30	56	ATB 5°	**LU2C 0500**	F03FS04914	WP	49
200	1,5	1,0	40	28	FLAT 20°	**LM08 0300**	F03FS03173	WO	31
200	1,5	1,0	60	28	FLAT 20°	**LM08 0400**	F03FS03176	WO	31
200	1,5	1,0	60	36	ATB 20°	**LM08 0500**	F03FS03179	WO	31
200	1,5	1,0	30	40	ATB 15°	**LU1H 0300**	F03FS07131	WO	41
200	1,5	1,0	30	60	ATB 15°	**LU1H 0400**	F03FS04651	WO	41
200	1,7	1,2	50	36	ATB 20°	**LM08 0600**	F03FS03182	WO	31
200	1,7	1,2	60	36	ATB 20°	**LM08 2800**	F03FS03240	WO	31
200	2,0	1,3	30	16	ATB 18°	**FR14C001H**	F03FS09793	CW	121
200	2,2	1,6	40	16+2	FLAT 20°	**LM01 0200**	F03FS02753	WO	24
200	2,2	1,6	50	16+2	FLAT 20°	**LM01 0250**	F03FS09968	WO	24
200	2,2	1,6	60	16+2	FLAT 20°	**LM01 0300**	F03FS02755	WO	24
200	2,2	1,6	70	16+2	FLAT 20°	**LM01 0400**	F03FS02757	WO	24
200	2,2	1,6	30	64	ATB 5°	**LU2D 0400**	F03FS04952	WP	50
200	2,4	1,6	30	24	ATB 15°	**FR14W001H**	F03FS09721	WO	117
200	2,4	1,6	30	48	ATB 10°	**FR14W002H**	F03FS09722	WO	117
200	2,5	1,8	30	64	ATB -2°	**FR14L001T**	F03FS09803	LP	124
200	2,8	2,2	30	54	TCG 10°	**LU5A 0100**	F03FS05181	AL	95
200	2,8	2,2	30	64	TCG 5°	**LU5B 0100**	F03FS05217	PM AL	96

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
200	2,8	2,2	30	48	TCG -6°	**LU5C 0300**	F03FS05262	AL	97
200	2,8	2,2	30	60	TCG -6°	**LU5D 0300**	F03FS05290	PM AL	98
200	2,8	1,8	30	60	HLTCG -5°	**FR14A001H**	F03FS09816	AL	129
200	3,0	2,5	30	64	ATB 10°	**LU1I 0100**	F03FS04673	WO	42
200	3,2	2,2	30	34	ATB 15°	**LU2A 0800**	F03FS04817	WP	47
200	3,2	2,2	35	34	ATB 15°	**LU2A 0900**	F03FS04819	WP	47
200	3,2	2,2	30	24	ATB 15°	**LU2A 0700**	F03FS04814	WP	47
200	3,2	2,2	30	48	ATB 10°	**LU2B 0300**	F03FS04873	WP	48
200	3,2	2,2	30	64	ATB 5°	**LU2C 0600**	F03FS04915	WP	49
200	3,2	2,2	40	64	ATB 5°	**LU2C 0640**	F03FS09972	WP	49
200	3,2	2,2	30	64	TCG 5°	**LU3D 0100**	F03FS05081	LP	73
200	3,2	2,2	30	48	ATB 10°	**LI22MD PC3**	F03FS02589	LP	84
200	3,2	2,2	60	48	ATB 10°	**LI22MD PH3**	F03FS02590	LP	84
200	3,2	2,2	30	48	ATB 10°	**LI22MS PC3**	F03FS02601	LP	84
200	3,2	2,2	60	48	ATB 10°	**LI22MS PH3**	F03FS02602	LP	84
200	4,0 - 5,2	-	50	28 + 28	ATB 11°	**LI16M OF3**	F03FS02511	LP	81
200	4,2	3,0	30	48	ATB 10°	**LT14MD AA3**	F03FS04378	LP	87
200	4,2	3,0	30	48	ATB 10°	**LT14MS AA3**	F03FS04389	LP	87
200	4,3 - 5,1	3,2	65	36	FLAT 6°	**DLI25M43PIH4**	F03FS09625	LP	80
200	4,3 - 5,1	3,2	80	36	FLAT 6°	**DLI25M43PLH4**	F03FS09627	LP	80
200	4,3 - 5,1	3,2	65	36	FLAT 6°	**DLI25M43PIH6**	F03FS09626	LP	80
200	4,3 - 5,1	3,2	80	36	FLAT 6°	**DLI25M43PLH6**	F03FS09628	LP	80
200	4,3 - 5,5	3,2	20	36	ATB 8°	**LI25M43PA3**	F03FS02670	LP	79
200	4,3 - 5,5	3,2	22	36	ATB 8°	**LI25M43PB3**	F03FS02673	LP	79
200	4,3 - 5,5	3,2	30	36	ATB 8°	**LI25M43PC3**	F03FS02674	LP	79
200	4,3 - 5,5	3,2	45	36	ATB 8°	**LI25M43PE3**	F03FS02676	LP	79
200	4,3 - 5,5	3,2	50	36	ATB 8°	**LI25M43PF3**	F03FS02679	LP	79
200	4,3 - 5,5	3,2	65	36	ATB 8°	**LI25M43PI3**	F03FS02681	LP	79
200	4,3 - 5,5	3,2	75	36	ATB 8°	**LI25M43PT3**	F03FS07755	LP	79
200	4,3 - 5,5	3,2	80	36	ATB 8°	**LI25M43PL3**	F03FS02683	LP	79
200	4,5 - 5,7	3,0	22	36	ATB 8°	**LI25M45PB3**	F03FS02712	LP	79
200	4,5 - 5,7	3,0	65	36	ATB 8°	**LI25M45PI3**	F03FS02714	LP	79
200	4,7	3,5	80	42	ATB 15°	**LI27M FA3**	F03FS02749	LP	83
200	4,7 - 5,5	3,5	45	36	FLAT 6°	**DLI25M47PEH4**	F03FS09629	LP	80
200	4,7 - 5,5	3,5	65	36	FLAT 6°	**DLI25M47PIH4**	F03FS09631	LP	80
200	4,7 - 5,5	3,5	45	36	FLAT 6°	**DLI25M47PEH6**	F03FS09630	LP	80
200	4,7 - 5,5	3,5	65	36	FLAT 6°	**DLI25M47PIH6**	F03FS09632	LP	80
200	4,7 - 5,9	3,5	20	36	ATB 8°	**LI25M47PA3**	F03FS02716	LP	79
200	4,7 - 5,9	3,5	22	36	ATB 8°	**LI25M47PB3**	F03FS02717	LP	79
200	4,7 - 5,9	3,5	30	36	ATB 8°	**LI25M47PC3**	F03FS02718	LP	79
200	4,7 - 5,9	3,5	45	36	ATB 8°	**LI25M47PE3**	F03FS02719	LP	79
200	4,7 - 5,9	3,5	65	36	ATB 8°	**LI25M47PI3**	F03FS02720	LP	79
200	5,4 - 6,6	4,0	20	36	ATB 8°	**LI25M54PA3**	F03FS02726	LP	79
200	5,7 - 6,9	4,0	45	36	ATB 8°	**LI25M57PE3**	F03FS02728	LP	79
200	5,7 - 6,9	3,5	65	36	ATB 8°	**LI25M57PI3BS**	F03FS08165	LP	79
200	6,1 - 7,3	4,0	20	36	ATB 8°	**LI25M61PA3**	F03FS02730	LP	79
203	2,0	1,4	25,4	90	AXL 15°	**LU4B 0100**	F03FS05167	PM	92
205	1,5	1,0	25,4	40	ATB 15°	**LU1H 0500**	F03FS04652	WO	41
205	1,5	1,0	25,4	60	ATB 15°	**LU1H 0600**	F03FS04653	WO	41
210	2,0	1,6	30	40	DTCG 0°	**LU6A 0400**	F03FS05346	ST	102
210	2,0	1,3	30	16	ATB 18°	**FR15C001H**	F03FS09794	CW	121
210	2,0	1,6	30	40	HLTCG (Ch) 0°	**FR15M001M**	F03FS09886	MM	138
210	2,0	1,4	30	24	ATB 25°	**FR15W001TC**	F03FS10068	WO	119
210	2,0	1,4	30	48	ATB 15°	**FR15W002TC**	F03FS10069	WO	119
210	2,0	1,4	30	66	HLTCG 0°	**FR15A001TC**	F03FS10092	AL	131
210	2,1	1,4	30	66	ATB -5°	**FR15L001TC**	F03FS10078	LP	124
210	2,2	1,6	30	6	TCG 10°	**FR15F001H**	F03FS09843	FC	133
210	2,3	1,8	30	72	HLTCG -5°	**FR15A001H**	F03FS09817	AL	129
210	2,4	1,8	30	24	ATB 15°	**FR15W003H**	F03FS09725	WO	117
210	2,4	1,8	30	40	ATB 15°	**FR15W001H**	F03FS09723	WO	117
210	2,4	1,8	30	48	ATB 10°	**FR15W004H**	F03FS09726	WO	117
210	2,4	1,8	30	56	ATB 5°	**FR15W002H**	F03FS09724	WO	117
210	2,4	1,8	30	48	ATB -5°	**FR15W001M**	F03FS09747	WO	118
210	2,4	2,0	30	36	HLTCG (Ch) 0°	**FR15X001H**	F03FS09855	SP	136

WO: Solid wood - **LP:** Chipboard and laminated panels - **WP:** Wood Based Panel - **PM:** Polymeric Materials - **AL:** Aluminium & Non-ferrous metals - **ST:** Steel - **CW:** Construct Wood - **FC:** Fibre Cement - **HPL:** High Pressure Laminate - **SP:** Sandwich Panel - **MM:** Multi Material

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
210	2,5	1,8	30	54	ATB -2°	**LU3A 0003**	F03FS07413	LP	70
210	2,5	1,8	30	54	HLTCG -5°	**FR15A001M**	F03FS09820	AL	130
210	2,8	2,2	30	60	TCG -6°	**LU5D 0400**	F03FS05291	PM AL	98
210	2,8	1,8	30	60	HLTCG 0°	**FR15H001H**	F03FS09869	HPL	126
210	3,2	2,2	30	34	ATB 15°	**LU2A 1100**	F03FS04822	WP	47
210	3,2	2,2	30	24	ATB 15°	**LU2A 1000**	F03FS04821	WP	47
210	3,2	2,2	30	64	ATB 5°	**LU2C 0700**	F03FS04917	WP	49
215	4,3 - 5,1	3,2	50	42	FLAT 6°	**DLI25M43QFH4**	F03FS09633	LP	80
215	4,3 - 5,1	3,2	50	42	FLAT 6°	**DLI25M43QFH6**	F03FS09634	LP	80
215	4,3 - 5,5	3,2	50	42	ATB 8°	**LI25M43QF3**	F03FS02685	LP	79
215	4,5 - 5,7	3,2	50	42	ATB 8°	**LI25M45PF3**	F03FS02713	LP	79
216	1,7	1,2	30	24	ATB 5°	**FR16W006MC**	F03FS10061	WO	118
216	1,7	1,2	30	48	ATB 5°	**FR16W007MC**	F03FS10062	WO	118
216	2,0	1,6	30	40	DTCG 0°	**LU6A 0500**	F03FS05347	ST	102
216	2,0	1,6	30	40	HLTCG (Ch) 0°	**FR16M001M**	F03FS09887	MM	138
216	2,0	1,4	30	24	ATB 25°	**FR16W001TC**	F03FS10070	WO	119
216	2,0	1,4	30	48	ATB 15°	**FR16W002TC**	F03FS10071	WO	119
216	2,0	1,4	30	66	HLTCG 0°	**FR16A002MC**	F03FS10089	AL	130
216	2,0	1,4	30	66	HLTCG 0°	**FR16A001TC**	F03FS10093	AL	131
216	2,0	1,4	30	6	TCG 10°	**FR16F002MC**	F03FS10098	FC	134
216	2,1	1,4	30	66	ATB -5°	**FR16L001TC**	F03FS10079	LP	124
216	2,2	1,6	30	6	TCG 10°	**FR16F001M**	F03FS09846	FC	134
216	2,4	1,8	30	24	ATB -5°	**FR16W001M**	F03FS09748	WO	118
216	2,4	1,8	30	40	ATB -5°	**FR16W002M**	F03FS09749	WO	118
216	2,4	1,8	30	48	ATB -5°	**FR16W003M**	F03FS09750	WO	118
216	2,4	1,8	25,4	48	ATB -5°	**FR16W004M**	F03FS09751	WO	118
216	2,4	1,8	25,4	64	ATB -5°	**FR16W005M**	F03FS09752	WO	118
216	2,5	1,8	30	64	HLTCG -5°	**FR16A001M**	F03FS09821	AL	130
216	2,8	2,0	30	24	ATB -5°	**LU2F 0100**	F03FS06304	LP WP PM	52
216	2,8	2,0	30	48	ATB -5°	**LU2F 0200**	F03FS04971	LP WP PM	52
216	2,8	2,0	30	60	ATB -5°	**LU2F 0300**	F03FS04972	LP WP PM	52
216	2,8	2,2	30	60	TCG -6°	**LU5D 0500**	F03FS05292	PM AL	98
216	2,8	1,8	30	64	HLTCG -3°	**FR16H001M**	F03FS09872	HPL	126
216	3,2	2,2	30	34	ATB 15°	**LU2A 1200**	F03FS04823	WP	47
216	3,2	2,2	30	48	ATB 10°	**LU2B 0400**	F03FS04876	WP	48
216	3,2	2,2	30	64	ATB 5°	**LU2C 0800**	F03FS04918	WP	49
220	2,6	1,6	30	48	ATB 10°	**FR17W001T**	F03FS09771	WO	119
220	3,0	2,5	30	64	TCG -6°	**LU5D 0600**	F03FS05293	PM AL	98
220	3,2	2,2	30	34	ATB 15°	**LU2A 1300**	F03FS04824	WP	47
220	3,2	2,2	30	64	ATB 5°	**LU2C 0900**	F03FS04919	WP	49
220	3,2	2,2	30	64	ATB -5°	**LU3A 0100**	F03FS05059	LP	70
220	3,2	2,2	30	42	CON 10°	**LU3B 0100**	F03FS05069	LP	71
220	3,2	2,2	30	42	CON -5°	**LU3C 0100**	F03FS05076	LP	72
220	3,2	2,2	30	64	TCG 5°	**LU3D 0200**	F03FS05083	LP	73
220	3,2	2,2	30	56	TCG -6°	**LU3E 0100**	F03FS05109	LP	74
220	3,2	2,2	30	64	TCG -3°	**LU3F 0100**	F03FS05117	LP PM	75
220	3,4	2,2	30	48	ATB 15°	**LI27M AA3**	F03FS02733	LP	83
220	6,3 - 7,5	4,4	20	36	ATB 8°	**LI25M63UA3**	F03FS02732	LP	79
225	1,5	1,0	40	28	FLAT 20°	**LM08 0700**	F03FS03185	WO	31
225	1,5	1,0	60	28	FLAT 20°	**LM08 0800**	F03FS03188	WO	31
225	1,5	1,0	70	28	FLAT 20°	**LM08 0900**	F03FS03191	WO	31
225	1,5	1,0	40	36	ATB 20°	**LM08 1000**	F03FS03194	WO	31
225	1,5	1,0	60	36	ATB 20°	**LM08 1100**	F03FS03197	WO	31
225	1,5	1,0	70	36	ATB 20°	**LM08 1200**	F03FS03200	WO	31
225	1,7	1,2	65	36	ATB 20°	**LM08 1300**	F03FS03203	WO	31
225	2,2	1,6	70	16+2	FLAT 20°	**LM01 0500**	F03FS02759	WO	24
225	2,5	1,8	70	16+2+2	ATB 20°	**LM03 0100**	F03FS02843	WO	26
225	2,6	1,6	30	32	ATB 15°	**FR18W001T**	F03FS09772	WO	119
225	2,6	1,6	30	48	ATB 10°	**FR18W002T**	F03FS09773	WO	119
225	2,6	1,8	30	68	HLTCG -5°	**FR18A001T**	F03FS09834	AL	130
230	2,0	1,6	30	48	DTCG 0°	**LU6A 0600**	F03FS05348	ST	102
230	2,2	1,6	25,4	100	AXL 15°	**LU4B 0200**	F03FS05169	PM	92
230	2,2	1,6	30	20	ATB 18°	**FR19C001H**	F03FS09795	CW	121
230	2,2	1,6	30	6	TCG 10°	**FR19F001H**	F03FS09844	FC	133
230	2,2	1,8	30	48	HLTCG (Ch) 0°	**FR19X001H**	F03FS09856	SP	136
230	2,4	2,0	25,4	44	DTCG 0°	**LU6A 0700**	F03FS05349	ST	102
230	2,4	2,0	30	44	HLTCG (Ch) 0°	**FR19M001H**	F03FS10042	MM	138

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
230	2,8	1,8	30	24	ATB 15°	**FR19W001H**	F03FS09728	WO	117
230	2,8	1,8	30	36	ATB 15°	**FR19W002H**	F03FS09729	WO	117
230	2,8	1,8	30	48	ATB 15°	**FR19W003H**	F03FS09730	WO	117
230	2,8	1,8	30	64	HLTCG -5°	**FR19A001H**	F03FS09818	AL	129
230	3,0	2,5	30	64	TCG -6°	**LU5D 0700**	F03FS05294	PM AL	98
230	3,2	2,2	30	34	ATB 15°	**LU2A 1500**	F03FS04827	WP	47
230	3,2	2,2	30	24	ATB 15°	**LU2A 1400**	F03FS04826	WP	47
230	3,2	2,2	30	64	ATB 5°	**LU2C 1000**	F03FS04921	WP	49
235	2,2	1,6	30	20	ATB 18°	**FR20C001H**	F03FS09796	CW	121
235	2,2	1,6	30	6	TCG 10°	**FR20F001H**	F03FS09845	FC	133
235	2,2	1,8	30	50	HLTCG (Ch) 0°	**FR20X001H**	F03FS09857	SP	136
235	2,5	1,8	30	80	HLTCG -5°	**FR20A001H**	F03FS09819	AL	129
235	2,8	1,8	30	24	ATB 15°	**FR20W003H**	F03FS09733	WO	117
235	2,8	1,8	30	36	ATB 15°	**FR20W004H**	F03FS09734	WO	117
235	2,8	1,8	30	48	ATB 15°	**FR20W005H**	F03FS09735	WO	117
235	2,8	1,8	30	56	ATB 10°	**FR20W006H**	F03FS09736	WO	117
235	2,8	1,8	30	64	HLTCG 0°	**FR20H001H**	F03FS09871	HPL	126
237	2,5	1,8	30	24	ATB 15°	**FR21W001H**	F03FS09737	WO	117
237	2,5	1,8	30	56	ATB 10°	**FR21W002H**	F03FS09738	WO	117
240	2,6	1,6	30	48	HLTCG (Ch) 0°	**FR22X001H**	F03FS09858	SP	136
240	2,8	1,8	30	48	ATB 15°	**FR22W001H**	F03FS09739	WO	117
250	1,7	1,2	40	24	FLAT 20°	**LM08 1400**	F03FS03206	WO	31
250	1,7	1,2	60	24	FLAT 20°	**LM08 1500**	F03FS03209	WO	31
250	1,7	1,2	70	24	FLAT 20°	**LM08 1600**	F03FS03212	WO	31
250	1,7	1,2	40	36	ATB 20°	**LM08 1700**	F03FS03215	WO	31
250	1,7	1,2	60	36	ATB 20°	**LM08 1800**	F03FS03218	WO	31
250	1,7	1,2	70	36	ATB 20°	**LM08 1900**	F03FS03223	WO	31
250	2,1	1,6	30	24	ATB 5°	**FR23W003MC**	F03FS10063	WO	118
250	2,1	1,6	30	48	ATB 5°	**FR23W004MC**	F03FS10064	WO	118
250	2,2	1,6	30	20+2	FLAT 20°	**LM01 0600**	F03FS02763	WO	24
250	2,2	1,6	60	20+2	FLAT 20°	**LM01 0700**	F03FS02765	WO	24
250	2,2	1,6	70	20+2	FLAT 20°	**LM01 0800**	F03FS02767	WO	24
250	2,2	1,6	80	20+2	FLAT 20°	**LM01 0900**	F03FS02769	WO	24
250	2,2	1,6	50	24+2	FLAT 20°	**LM01 1400**	F03FS02780	WO	24
250	2,2	1,6	60	24+2	FLAT 20°	**LM01 1500**	F03FS02781	WO	24
250	2,2	1,6	70	24+2	FLAT 20°	**LM01 1600**	F03FS07200	WO	24
250	2,2	1,6	50	30	ATB 20°	**LM08 2500**	F03FS03237	WO	31
250	2,2	1,6	60	30	ATB 20°	**LM08 2600**	F03FS03238	WO	31
250	2,2	1,6	70	30	ATB 20°	**LM08 2700**	F03FS03239	WO	31
250	2,2	1,6	30	100	AXL 15°	**LU4B 0300**	F03FS05170	PM	92
250	2,2	1,6	30	6	TCG 10°	**FR23F002MC**	F03FS10099	FC	134
250	2,4	2,0	30	48	DTCG 0°	**LU6A 0800**	F03FS05350	ST	102
250	2,4	1,8	30	40	ATB -5°	**FR23W001M**	F03FS09753	WO	118
250	2,4	1,8	30	60	ATB -5°	**FR23W002M**	F03FS09754	WO	118
250	2,4	1,8	30	6	TCG 10°	**FR23F001M**	F03FS09847	FC	134
250	2,4	2,0	30	48	HLTCG (Ch) 0°	**FR23M001M**	F03FS09888	MM	138
250	2,4	1,8	30	78	HLTCG 0°	**FR23A002MC**	F03FS10090	AL	130
250	2,5	1,6	30	24	FLAT 15°	**LU1E 0100**	F03FS04630	WO	38
250	2,5	1,6	30	24	ATB 22°	**LU1F 0100**	F03FS04640	WO	39
250	2,5	1,6	30	48	ATB 15°	**LU1H 0700**	F03FS04655	WO	41
250	2,5	1,6	30	60	ATB 15°	**LU1H 0800**	F03FS04657	WO	41
250	2,5	1,8	20	80	ATB 5°	**LU2D 0500**	F03FS04954	WP	50
250	2,5	1,8	30	80	ATB 5°	**LU2D 0700**	F03FS04957	WP	50
250	2,8	2,0	30	16+2	FLAT 20°	**LM02 0100**	F03FS02797	WO	25
250	2,8	2,0	60	16+2	FLAT 20°	**LM02 0200**	F03FS02799	WO	25
250	2,8	2,0	70	16+2	FLAT 20°	**LM02 0300**	F03FS02801	WO	25
250	2,8	2,0	80	16+2	FLAT 20°	**LM02 0400**	F03FS02803	WO	25
250	2,8	2,0	30	16+2+2	ATB 20°	**LM03 0200**	F03FS02845	WO	26
250	2,8	2,0	60	16+2+2	ATB 20°	**LM03 0300**	F03FS02847	WO	26
250	2,8	2,0	70	16+2+2	ATB 20°	**LM03 0400**	F03FS02849	WO	26
250	2,8	2,0	80	16+2+2	ATB 20°	**LM03 0500**	F03FS02851	WO	26
250	2,8	2,0	30	30	FLAT 15°	**LU1H 1500**	F03FS04670	WO	41
250	2,8	2,0	30	40	FLAT 15°	**LU1H 1600**	F03FS07127	WO	41
250	2,8	2,0	30	48	ATB -5°	**LU2F 0400**	F03FS04973	LP WP PM	52
250	2,8	2,0	30	60	ATB -5°	**LU2F 0500**	F03FS04974	LP WP PM	52
250	2,8	2,2	30	80	TCG -3°	**LU4A 0100**	F03FS05163	PM	91
250	2,8	2,2	30	100	TCG 5°	**LU5E 0100**	F03FS05324	AL	99

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
250	2,8	2,2	32	100	TCG 5°	**LU5E 0200**	F03FS05325	AL	99
250	2,8	1,8	30	24	ATB 20°	**FR23W001T**	F03FS09774	WO	119
250	2,8	1,8	30	40	ATB 15°	**FR23W002T**	F03FS09775	WO	119
250	2,8	1,8	30	60	ATB 10°	**FR23W003T**	F03FS09776	WO	119
250	2,8	1,8	30	80	ATB 5°	**FR23W004T**	F03FS09777	WO	119
250	2,8	1,8	30	80	ATB -2°	**FR23L001T**	F03FS09804	LP	124
250	2,8	2,0	30	80	HLTCG -5°	**FR23A001M**	F03FS09822	AL	130
250	2,8	2,0	30	68	HLTCG -5°	**FR23A001T**	F03FS09835	AL	130
250	2,8	1,8	30	80	HLTCG -3°	**FR23H001M**	F03FS09873	HPL	126
250	2,8	1,8	30	80	HLTCG 10°	**FR23H001T**	F03FS09877	HPL	127
250	3,0	2,5	20	80	ATB 10°	**LU1I 0200**	F03FS04675	WO	42
250	3,0	2,5	30	80	ATB 10°	**LU1I 0300**	F03FS04677	WO	42
250	3,0	2,5	30	96	ATB 10°	**LU1I 0400**	F03FS04679	WO	42
250	3,0	2,0	30	40	RND 20°	**LU1G 0100**	F03FS04646	WO	40
250	3,0	2,2	30	100	AXL 15°	**LU1L 0100**	F03FS04690	WO PM	43
250	3,0	2,2	30	120	AXL 15°	**LU1L 0200**	F03FS04691	WO PM	43
250	3,1 - 4,3	2,2	30	54	ATB 8°	**LI25M310C3**	F03FS07595	LP	79
250	3,2	2,2	30	20+2+2	ATB 20°	**LM04 0100**	F03FS02891	WO	27
250	3,2	2,2	60	20+2+2	ATB 20°	**LM04 0200**	F03FS02893	WO	27
250	3,2	2,2	70	20+2+2	ATB 20°	**LM04 0300**	F03FS02895	WO	27
250	3,2	2,2	80	20+2+2	ATB 20°	**LM04 0400**	F03FS02897	WO	27
250	3,2	2,2	30	22	ATB 20°	**LU1C 0100**	F03FS04590	WO	36
250	3,2	2,2	70	22	ATB 20°	**LU1C 0200**	F03FS04592	WO	36
250	3,2	2,2	30	24	ATB 20°	**LU1D 0100**	F03FS04615	WO	37
250	3,2	2,2	70	24	ATB 20°	**LU1D 0200**	F03FS04617	WO	37
250	3,2	2,2	30	40	ATB 15°	**LU2A 1700**	F03FS04830	WP	47
250	3,2	2,2	35	40	ATB 15°	**LU2A 1800**	F03FS04832	WP	47
250	3,2	2,2	80	40	ATB 15°	**LU2A 1880**	F03FS09971	WP	47
250	3,2	2,2	30	30	ATB 10°	**LU2A 1600**	F03FS04828	WP	47
250	3,2	2,2	30	48	ATB 10°	**LU2B 0500**	F03FS04877	WP	48
250	3,2	2,2	30	60	ATB 10°	**LU2B 0700**	F03FS04880	WP	48
250	3,2	2,2	35	60	ATB 10°	**LU2B 0800**	F03FS04882	WP	48
250	3,2	2,2	30	80	ATB 5°	**LU2C 1200**	F03FS04922	WP	49
250	3,2	2,2	30	100	ATB 5°	**LU2C 1300**	F03FS04924	WP	49
250	3,2	2,2	30	80	ATB -2°	**LU3A 0200**	F03FS05061	LP	70
250	3,2	2,2	30	48	CON 10°	**LU3B 0200**	F03FS05071	LP	71
250	3,2	2,2	30	48	CON -5°	**LU3C 0200**	F03FS05077	LP	72
250	3,2	2,2	30	80	TCG 5°	**LU3D 0400**	F03FS05088	LP	73
250	3,2	2,2	55	80	TCG 5°	**LU3D 0455**	F03FS09973	LP	73
250	3,2	2,2	30	60	TCG 10°	**LU3D 1100**	F03FS05100	LP	73
250	3,2	2,2	60	60	TCG 10°	**LU3D 1160**	F03FS09974	LP	73
250	3,2	2,2	30	60	TCG -6°	**LU3E 0200**	F03FS05111	LP	74
250	3,2	2,2	30	80	TCG -3°	**LU3F 0200**	F03FS05119	LP PM	75
250	3,2	2,2	30	22	ATB 20°	**LG1C 0100**	F03FS07559	WO	44
250	3,2	2,2	30	40	ATB 15°	**LG2A 1700**	F03FS07562	WP	53
250	3,2	2,2	30	60	ATB 10°	**LG2B 0700**	F03FS07566	WP	54
250	3,2	2,2	30	80	ATB 5°	**LG2C 1200**	F03FS07570	WP	55
250	3,2	2,2	30	80	TCG 5°	**LG3D 0400**	F03FS07438	LP	76
250	3,2	2,5	30	80	DTCG 5°	**LU4D 0100**	F03FS07294	PM	93
250	3,4	2,2	30	16+2+2	FLAT 25°	**LM05 0100**	F03FS02973	WO	28
250	3,4	2,2	60	16+2+2	FLAT 25°	**LM05 0200**	F03FS02975	WO	28
250	3,4	2,2	70	16+2+2	FLAT 25°	**LM05 0300**	F03FS02977	WO	28
250	3,4	2,2	80	16+2+2	FLAT 25°	**LM05 0400**	F03FS02979	WO	28
250	3,4	2,2	30	18	BEV 15°	**LU1B 0100**	F03FS04579	WO	34
250	3,4	2,4	30	54	CON -2°	**LU3C 0204**	F03FS09537	LP	72
250	3,5	3,0	30	60	TCG 10°	**LU5A 0200**	F03FS05182	AL	95
250	3,5	3,0	32	60	TCG 10°	**LU5A 0300**	F03FS05183	AL	95
250	3,5	3,0	30	80	TCG 5°	**LU5B 0200**	F03FS05218	PM AL	96
250	3,5	3,0	32	80	TCG 5°	**LU5B 0300**	F03FS05221	PM AL	96
250	3,5	3,0	30	54	TCG -6°	**LU5C 0400**	F03FS05263	AL	97
250	3,5	3,0	30	80	TCG -6°	**LU5D 0800**	F03FS05295	PM AL	98
250	3,5	3,0	32	80	TCG -6°	**LU5D 0900**	F03FS05297	PM AL	98
250	3,5	3,0	40	80	TCG -6°	**LU5D 1000**	F03FS05299	PM AL	98
250	4,0	3,0	100	72	FLAT 12°	**LT20MD BB3**	F03FS04421	LP	88
250	4,0	3,0	100	72	FLAT 12°	**LT20MS BB3**	F03FS04422	LP	88
250	4,2	3,0	30	16+2+2	FLAT 25°	**LM06 0100**	F03FS03104	WO	29
250	4,2	3,0	60	16+2+2	FLAT 25°	**LM06 0200**	F03FS03106	WO	29
250	4,2	3,0	70	16+2+2	FLAT 25°	**LM06 0300**	F03FS03108	WO	29
250	4,2	3,0	80	16+2+2	FLAT 25°	**LM06 0400**	F03FS03110	WO	29
250	4,2	3,0	30	60	TCG 15°	**LSB25003X**	F03FS10212	LP PM	66
250	4,2	3,0	50	60	TCG 15°	**LSB25005X**	F03FS10214	LP PM	66
250	4,2	3,0	55	60	TCG 15°	**LSB25002X**	F03FS10211	LP PM	66
250	4,2	3,0	130	56	ATB 10°	**LT16MD BD3**	F03FS04401	LP	86
250	4,2	3,0	130	56	ATB 10°	**LT16MS BD3**	F03FS04409	LP	86
250	4,2	3,0	130	60	ATB 10°	**LT12MD BB3**	F03FS04372	LP	86
250	4,2	3,0	130	60	ATB 10°	**LT12MS BB3**	F03FS07063	LP	86
250	4,2	3,0	30	60	ATB 10°	**LT14MD BA3**	F03FS04380	LP	87
250	4,2	3,0	130	60	ATB 10°	**LT14MD BB3**	F03FS04382	LP	87
250	4,2	3,0	30	60	ATB 10°	**LT14MS BA3**	F03FS04391	LP	87
250	4,2	3,0	130	60	ATB 10°	**LT14MS BB3**	F03FS04393	LP	87
250	4,2	3,0	130	72	FLAT 10°	**LT18MD BB3**	F03FS04415	LP	88
250	4,2	3,0	130	72	FLAT 10°	**LT18MS BB3**	F03FS04417	LP	88
250	4,3 - 5,5	3,2	50	48	ATB 8°	**LI25M430F3**	F03FS02669	LP	79
250	4,3 - 5,5	3,2	30	48	ATB 8°	**LI25M430C3**	F03FS02668	LP	79
250	4,4	3,0	30	80	TCG 15°	**LSB25004X**	F03FS10213	LP PM	66
250	4,6	3,0	30	48	ATB 15°	**LI27M BA3**	F03FS02734	LP	83
250	5,5	3,5	30	16+2+2	FLAT 20°	**LM07 0100**	F03FS03141	WO	30
250	5,5	3,5	60	16+2+2	FLAT 20°	**LM07 0200**	F03FS03143	WO	30
250	5,5	3,5	70	16+2+2	FLAT 20°	**LM07 0300**	F03FS03145	WO	30
250	5,5	3,5	80	16+2+2	FLAT 20°	**LM07 0400**	F03FS03147	WO	30
254	2,1	1,6	30	24	ATB 25°	**FR24W005TC**	F03FS10072	WO	119
254	2,1	1,6	30	40	ATB 20°	**FR24W006TC**	F03FS10073	WO	119
254	2,1	1,6	30	60	ATB 15°	**FR24W007TC**	F03FS10074	WO	119
254	2,4	2,0	25,4	50	DTCG 0°	**LU6A 0900**	F03FS05351	ST	102
254	2,4	2,0	25,4	60	DTCG 0°	**LU6A 1000**	F03FS05352	ST	102
254	2,4	1,8	30	60	ATB -5°	**FR24W001M**	F03FS09755	WO	118
254	2,4	1,8	30	6	TCG 10°	**FR24F001M**	F03FS09848	FC	134
254	2,4	2,0	30	48	HLTCG (Ch) 0°	**FR24M001M**	F03FS09889	MM	138
254	2,6	1,8	30	24	ATB 20°	**FR24W001T**	F03FS09778	WO	119
254	2,6	1,8	30	40	ATB 15°	**FR24W002T**	F03FS09779	WO	119
254	2,6	1,8	30	60	ATB 10°	**FR24W003T**	F03FS09780	WO	119
254	2,6	1,8	30	80	ATB 5°	**FR24W004T**	F03FS09781	WO	119
254	2,8	2,0	30	80	HLTCG -5°	**FR24A001M**	F03FS09823	AL	130
254	2,8	1,8	30	80	HLTCG -3°	**FR24H001M**	F03FS09874	HPL	126
255	1,7	1,2	70	24	FLAT 20°	**LM08 2400**	F03FS03236	WO	31
255	2,2	1,6	25,4	100	AXL 15°	**LU4B 0400**	F03FS05172	PM	92
255	2,8	2,2	25,4	100	TCG 5°	**LU5E 0300**	F03FS05327	AL	99
255	2,8	2,2	25,4	120	TCG 5°	**LU5E 0400**	F03FS05329	AL	99
255	2,8	1,8	25,4	40	ATB 15°	**FR25W002T**	F03FS10134	WO	119
255	2,8	1,8	25,4	60	ATB 15°	**FR25W003T**	F03FS10135	WO	119
255	2,8	1,8	25,4	80	ATB 15°	**FR25W004T**	F03FS10136	WO	119
255	3,0	2,2	25,4	100	AXL 15°	**LU1L 0300**	F03FS04692	WO PM	43
255	3,0	2,2	25,4	120	AXL 15°	**LU1L 0400**	F03FS04693	WO PM	43
255	4,2	3,0	80	60	ATB 10°	**LT14MD FA3**	F03FS04387	LP	87
255	4,2	3,0	80	60	ATB 10°	**LT14MS FA3**	F03FS04398	LP	87
260	2,3	1,8	30	80	HLTCG -5°	**FR26A001M**	F03FS09827	AL	130
260	2,4	1,8	30	60	ATB -5°	**FR26W001M**	F03FS09760	WO	118
260	2,4	1,8	30	6	TCG 10°	**FR26F001M**	F03FS09849	FC	134
260	2,6	1,8	30	60	ATB 10°	**FR26W001T**	F03FS09782	WO	119
260	2,6	1,8	30	80	ATB 5°	**FR26W002T**	F03FS09783	WO	119
270	2,4	2,0	30	60	HLTCG (Ch) 0°	**FR27X001H**	F03FS09859	SP	136
270	2,8	1,8	30	60	ATB 10°	**FR27W001H**	F03FS09740	WO	117
270	4,2	3,0	55	60	TCG 15°	**LSB27001X**	F03FS10215	LP PM	66
275	3,0	2,5	20	84	ATB 10°	**LU1I 0500**	F03FS04681	WO	42
275	3,5	3,0	40	68	TCG 10°	**LU5A 0400**	F03FS05185	AL	95
275	3,5	3,0	40	84	TCG 5°	**LU5B 0400**	F03FS05223	PM AL	96
275	3,5	3,0	40	60	TCG -6°	**LU5C 0600**	F03FS05264	AL	97
275	3,5	3,0	40	84	TCG -6°	**LU5D 1100**	F03FS05300	PM AL	98

WO: Solid wood - **LP:** Chipboard and laminated panels - **WP:** Wood Based Panel - **PM:** Polymeric Materials - **AL:** Aluminium & Non-ferrous metals - **ST:** Steel - **CW:** Construct Wood - **FC:** Fibre Cement - **HPL:** High Pressure Laminate - **SP:** Sandwich Panel - **MM:** Multi Material

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
280	2,2	1,6	60	36	ATB 20°	**LM08 2200**	F03FS03232	WO	31
280	2,8	2,0	80	18+2	FLAT 20°	**LM02 0500**	F03FS02805	WO	25
280	2,8	2,0	80	18+2+2	ATB 20°	**LM03 0600**	F03FS02853	WO	26
280	4,3 - 5,5	3,2	30	48	ATB 12°	**LI25M43VC3**	F03FS07419	LP	79
280	4,4	3,2	55	60	TCG 15°	**LSB28001X**	F03FS10216	LP PM	66
280	4,7	3,2	80	72	ATB 15°	**LI27M47VL3**	F03FS08014	LP	83
280	5,0	3,5	45	84	ATB 15°	**LI27M CA3**	F03FS02736	LP	83
290	4,2	3,0	55	60	TCG 15°	**LSB29001X**	F03FS10217	LP PM	66
300	2,2	1,6	50	36	ATB 20°	**LM08 2000**	F03FS03226	WO	31
300	2,2	1,6	70	36	ATB 20°	**LM08 2300**	F03FS03235	WO	31
300	2,4	1,8	30	72	ATB -5°	**FR28W001M**	F03FS09761	WO	118
300	2,4	1,8	30	8	TCG 10°	**FR28F001M**	F03FS09850	FC	134
300	2,5	1,8	30	24+2	FLAT 20°	**LM01 1000**	F03FS02772	WO	24
300	2,5	1,8	60	24+2	FLAT 20°	**LM01 1100**	F03FS02774	WO	24
300	2,5	1,8	70	24+2	FLAT 20°	**LM01 1200**	F03FS02776	WO	24
300	2,5	1,8	80	24+2	FLAT 20°	**LM01 1300**	F03FS02778	WO	24
300	2,5	1,8	30	48	ATB 15°	**FR28W001T**	F03FS09784	WO	119
300	2,5	1,8	30	72	ATB 10°	**FR28W002T**	F03FS09785	WO	119
300	2,5	1,8	30	100	ATB 5°	**FR28W003T**	F03FS09786	WO	119
300	2,6	1,8	25	24	ATB 15°	**LP70M 004P**	F03FS03766	WO	35
300	2,6	1,8	30	24	FLAT 15°	**LU1E 0500**	F03FS04638	WO	38
300	2,6	2,2	30	60	DTCG 0°	**LU6A 1700**	F03FS05359	ST	102
300	2,6	2,2	30	80	DTCG 0°	**LU6A 1800**	F03FS05360	ST	102
300	2,6	2,0	30	80	HLTCG (Ch) 0°	**FR28M001M**	F03FS09890	MM	138
300	2,7	1,8	25	28	FLAT 15°	**LU1E 0200**	F03FS04632	WO	38
300	2,7	1,8	30	28	FLAT 15°	**LU1E 0300**	F03FS04634	WO	38
300	2,7	1,8	30	28	ATB 22°	**LU1F 0200**	F03FS04642	WO	39
300	2,7	1,8	30	96	ATB 5°	**LU2D 0900**	F03FS04959	WP	50
300	2,8	2,0	30	20+2	FLAT 20°	**LM02 0600**	F03FS02807	WO	25
300	2,8	2,0	60	20+2	FLAT 20°	**LM02 0700**	F03FS02809	WO	25
300	2,8	2,0	70	20+2	FLAT 20°	**LM02 0800**	F03FS02811	WO	25
300	2,8	2,0	80	20+2	FLAT 20°	**LM02 0900**	F03FS02813	WO	25
300	2,8	2,0	30	20+2+2	ATB 20°	**LM03 0700**	F03FS02855	WO	26
300	2,8	2,0	60	20+2+2	ATB 20°	**LM03 0800**	F03FS02857	WO	26
300	2,8	2,0	70	20+2+2	ATB 20°	**LM03 0900**	F03FS02859	WO	26
300	2,8	2,0	80	20+2+2	ATB 20°	**LM03 1000**	F03FS02861	WO	26
300	2,8	1,8	30	24	FLAT 15°	**LP70M 001P**	F03FS03762	WO	35
300	2,8	2,0	30	36	ATB 15°	**LU1H 1400**	F03FS04668	WO	41
300	2,8	2,0	30	54	ATB 15°	**LU1H 0900**	F03FS04659	WO	41
300	2,8	2,0	35	54	ATB 15°	**LU1H 1000**	F03FS04661	WO	41
300	2,8	2,0	30	72	ATB 15°	**LU1H 1100**	F03FS04663	WO	41
300	2,8	2,2	30	96	TCG -3°	**LU4A 0200**	F03FS05165	PM	91
300	2,8	1,8	30	96	ATB -2°	**FR28L001T**	F03FS09805	LP	124
300	2,8	2,0	30	96	HLTCG -5°	**FR28A001M**	F03FS09828	AL	130
300	3,0	2,5	30	96	ATB 10°	**LU1I 0600**	F03FS04682	WO	42
300	3,0	2,5	30	112	ATB 10°	**LU1I 0700**	F03FS04684	WO	42
300	3,0	2,0	30	48	RND 20°	**LU1G 0200**	F03FS04647	WO	40
300	3,0	2,2	30	100	AXL 15°	**LU1L 0500**	F03FS04694	WO PM	43
300	3,0	2,2	30	120	AXL 15°	**LU1L 0600**	F03FS04695	WO PM	43
300	3,0	2,5	30	100	TCG 5°	**LU5E 0500**	F03FS05331	AL	99
300	3,0	2,5	30	120	TCG 5°	**LU5E 0700**	F03FS05334	AL	99
300	3,0	2,5	32	120	TCG 5°	**LU5E 0800**	F03FS05337	AL	99
300	3,2	2,2	30	24+2+2	ATB 20°	**LM04 0500**	F03FS02899	WO	27
300	3,2	2,2	60	24+2+2	ATB 20°	**LM04 0600**	F03FS02901	WO	27
300	3,2	2,2	70	24+2+2	ATB 20°	**LM04 0700**	F03FS02903	WO	27
300	3,2	2,2	80	24+2+2	ATB 20°	**LM04 0800**	F03FS02906	WO	27
300	3,2	2,2	30	26	ATB 20°	**LU1C 0400**	F03FS04595	WO	36
300	3,2	2,2	35	26	ATB 20°	**LU1C 0500**	F03FS04597	WO	36
300	3,2	2,2	70	26	ATB 20°	**LU1C 0700**	F03FS04599	WO	36
300	3,2	2,2	30	28	ATB 20°	**LU1D 0500**	F03FS04620	WO	37
300	3,2	2,2	60	28	ATB 20°	**LU1D 0600**	F03FS04622	WO	37
300	3,2	2,2	70	28	ATB 20°	**LU1D 0800**	F03FS04624	WO	37
300	3,2	2,2	30	48	ATB 15°	**LU2A 2100**	F03FS04840	WP	47
300	3,2	2,2	35	48	ATB 15°	**LU2A 2300**	F03FS04843	WP	47
300	3,2	2,2	30	36	ATB 10°	**LU2A 1900**	F03FS04834	WP	47
300	3,2	2,2	30	60	ATB 10°	**LU2B 0900**	F03FS04884	WP	48
300	3,2	2,2	30	72	ATB 10°	**LU2B 1100**	F03FS04887	WP	48

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
300	3,2	2,2	35	72	ATB 10°	**LU2B 1200**	F03FS04889	WP	48
300	3,2	2,2	30	96	ATB 5°	**LU2C 1500**	F03FS04927	WP	49
300	3,2	2,2	35	96	ATB 5°	**LU2C 1600**	F03FS04930	WP	49
300	3,2	2,2	30	120	ATB 5°	**LU2C 1700**	F03FS04932	WP	49
300	3,2	2,2	30	60	ATB 10°	**LU2E 0200**	F03FS04965	WP	51
300	3,2	2,2	30	72	ATB 10°	**LU2E 0400**	F03FS04967	WP	51
300	3,2	2,2	25,4	96	ATB 2°	**LU3A 0600**	F03FS05807	LP	70
300	3,2	2,2	30	96	ATB 2°	**LU3A 0300**	F03FS05064	LP	70
300	3,2	2,2	30	96	TCG 5°	**LU3D 0600**	F03FS05093	LP	73
300	3,2	2,2	35	96	TCG 5°	**LU3D 0700**	F03FS05096	LP	73
300	3,2	2,2	30	72	TCG 10°	**LU3D 2100**	F03FS05810	LP	73
300	3,2	2,2	30	84	TCG 10°	**LU3D 1300**	F03FS05101	LP	73
300	3,2	2,2	30	96	TCG 10°	**LU3D 1500**	F03FS05104	LP	73
300	3,2	2,2	30	72	TCG -6°	**LU3E 0300**	F03FS05113	LP	74
300	3,2	2,2	30	96	TCG -3°	**LU3F 0300**	F03FS05121	LP PM	75
300	3,2	2,2	30	26	ATB 20°	**LG1C 0400**	F03FS07560	WO	44
300	3,2	2,2	30	36	ATB 15°	**LG2A 1900**	F03FS07563	WP	53
300	3,2	2,2	30	48	ATB 15°	**LG2A 2100**	F03FS07564	WP	53
300	3,2	2,2	30	60	ATB 10°	**LG2B 0900**	F03FS07567	WP	54
300	3,2	2,2	30	72	ATB 10°	**LG2B 1100**	F03FS07439	WP	54
300	3,2	2,2	30	96	ATB 5°	**LG2C 1500**	F03FS07571	WP	55
300	3,2	2,2	30	96	TCG 5°	**LG3D 0600**	F03FS07436	LP	76
300	3,2	2,2	30	72	TCG 10°	**LG3D 2100**	F03FS07574	LP	76
300	3,2	2,5	30	96	DTCG 5°	**LU4D 0200**	F03FS07295	PM	93
300	3,2	2,2	30	96	HLTCG 10°	**FR28H001T**	F03FS09878	HPL	127
300	3,4	2,2	30	20+2+2	FLAT 25°	**LM05 0500**	F03FS02981	WO	28
300	3,4	2,2	60	20+2+2	FLAT 25°	**LM05 0600**	F03FS02983	WO	28
300	3,4	2,2	70	20+2+2	FLAT 25°	**LM05 0700**	F03FS02985	WO	28
300	3,4	2,2	80	20+2+2	FLAT 25°	**LM05 0800**	F03FS02990	WO	28
300	3,4	2,2	30	20	BEV 15°	**LU1B 0200**	F03FS04580	WO	34
300	3,5	2,5	70	20+2+2	FLAT 25°	**LM06 1500**	F03FS03133	WO	29
300	3,5	2,5	80	20+2+2	FLAT 25°	**LM06 1600**	F03FS03135	WO	29
300	3,5	3,0	30	72	TCG 10°	**LU5A 0500**	F03FS05186	AL	95
300	3,5	3,0	32	72	TCG 10°	**LU5A 0600**	F03FS05187	AL	95
300	3,5	3,0	30	88	TCG 5°	**LU5B 0500**	F03FS05224	PM AL	96
300	3,5	3,0	32	88	TCG 5°	**LU5B 0600**	F03FS05225	PM AL	96
300	3,5	3,0	40	88	TCG 5°	**LU5B 0700**	F03FS05227	PM AL	96
300	3,5	3,0	30	96	TCG 5°	**LU5B 0800**	F03FS05228	PM AL	96
300	3,5	3,0	32	96	TCG 5°	**LU5B 0900**	F03FS05230	PM AL	96
300	3,5	3,0	40	96	TCG 5°	**LU5B 1000**	F03FS05232	PM AL	96
300	3,5	3,0	30	72	TCG -6°	**LU5C 0700**	F03FS05265	AL	97
300	3,5	3,0	32	72	TCG -6°	**LU5C 0800**	F03FS05266	AL	97
300	3,5	3,0	40	72	TCG -6°	**LU5C 0900**	F03FS05267	AL	97
300	3,5	3,0	30	96	TCG -6°	**LU5D 1200**	F03FS05301	PM AL	98
300	3,5	3,0	32	96	TCG -6°	**LU5D 1300**	F03FS05303	PM AL	98
300	3,5	3,0	40	96	TCG -6°	**LU5D 1400**	F03FS05305	PM AL	98
300	4,2	3,0	30	20+2+2	FLAT 25°	**LM06 0500**	F03FS03113	WO	29
300	4,2	3,0	60	20+2+2	FLAT 25°	**LM06 0600**	F03FS03115	WO	29
300	4,2	3,0	70	20+2+2	FLAT 25°	**LM06 0700**	F03FS03117	WO	29
300	4,2	3,0	80	20+2+2	FLAT 25°	**LM06 0800**	F03FS03119	WO	29
300	4,2	3,0	130	68	ATB 10°	**LT16MD CD3**	F03FS04404	LP	86
300	4,2	3,0	130	68	ATB 10°	**LT16MS CD3**	F03FS04412	LP	86
300	4,3 - 5,5	3,5	50	48	ATB 12°	**LI25M43RM3**	F03FS02693	LP	79
300	4,3 - 5,5	3,2	65	72	ATB 12°	**LI25M43RI3**	F03FS02689	LP	79
300	4,3 - 5,5	3,2	80	72	ATB 12°	**LI25M43RL3**	F03FS02691	LP	79
300	4,3 - 5,5	3,0	65	48	ATB 12°	**LI25M43RX3**	F03FS07616	LP	79
300	4,3 - 5,5	3,2	30	48	ATB 12°	**LI25M43RC3**	F03FS07577	LP	79
300	4,4	3,0	30	36	ATB -5°	**LU1A 0100**	F03FS04572	WO	33
300	4,4	3,0	30	60	TCG 15°	**LSB30001X**	F03FS07802	LP PM	66
300	4,4	3,0	65	60	TCG 15°	**LSB30002X**	F03FS09159	LP PM	66
300	4,4	3,0	75	60	TCG 15°	**LSB30003X**	F03FS10218	LP PM	66
300	4,4	3,0	80	60	TCG 15°	**LSB30004X**	F03FS09157	LP PM	66
300	4,4	3,0	30	72	TCG 15°	**LSB30005X**	F03FS07803	LP PM	66
300	4,4	3,2	60	72	TCG 15°	**LSB30012X**	F03FS09207	LP PM	66
300	4,4	3,0	65	72	TCG 15°	**LSB30006X**	F03FS09158	LP PM	66
300	4,4	3,0	75	72	TCG 15°	**LSB30007X**	F03FS10219	LP PM	66
300	4,4	3,0	80	72	TCG 15°	**LSB30008X**	F03FS07804	LP PM	66

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
300	4,4	3,0	75	96	TCG 15°	**LSB30010X**	F03FS10220	LP PM	66
300	4,4	3,0	30	60	DTCG 10°	**LSC30001**	F03FS06322	LP	69
300	4,4	3,0	65	60	DTCG 10°	**LSC30002**	F03FS06325	LP	69
300	4,4	3,0	75	60	DTCG 10°	**LSC30003**	F03FS06326	LP	69
300	4,4	3,0	80	60	DTCG 10°	**LSC30004**	F03FS06327	LP	69
300	4,55	3,0	30	72	ATB 15°	**LI27M DF3**	F03FS02745	LP	83
300	4,6	3,2	50	72	ATB 15°	**LI27M DD3**	F03FS02743	LP	83
300	4,6	3,2	65	72	ATB 15°	**LI27M DA3**	F03FS02737	LP	83
300	4,7	3,2	80	72	ATB 15°	**LI27M DC3**	F03FS02741	LP	83
300	4,7 - 5,9	3,5	65	48	ATB 6°	**LI25M47RX3**	F03FS07744	LP	79
300	4,95	3,0	65	72	ATB 15°	**LI27M DB3**	F03FS02739	LP	83
300	5,5	3,5	30	20+2+2	FLAT 20°	**LM07 0500**	F03FS03149	WO	30
300	5,5	3,5	60	20+2+2	FLAT 20°	**LM07 0600**	F03FS03151	WO	30
300	5,5	3,5	70	20+2+2	FLAT 20°	**LM07 0700**	F03FS03153	WO	30
300	5,5	3,5	80	20+2+2	FLAT 20°	**LM07 0800**	F03FS03155	WO	30
303	3,2	2,2	30	60	CON 10°	**LU3B 0300**	F03FS05073	LP	71
303	3,2	2,2	30	60	CON 10°	**LU3B 1300**	F03FS06478	LP	71
303	3,2	2,2	30	60	CON -5°	**LU3C 0300**	F03FS05078	LP	72
303	3,4	2,4	30	66	CON 0°	**LU3C 0302**	F03FS09038	LP	72
305	2,2	1,6	30	42	ATB 5°	**FR29W004MC**	F03FS10065	WO	118
305	2,2	1,6	30	60	ATB 5°	**FR29W005MC**	F03FS10066	WO	118
305	2,2	1,6	30	96	ATB 5°	**FR29W006MC**	F03FS10067	WO	118
305	2,2	1,6	30	8	TCG 10°	**FR29F002MC**	F03FS10100	FC	134
305	2,4	1,8	30	48	ATB -5°	**FR29W001M**	F03FS09762	WO	118
305	2,4	1,8	30	72	ATB -5°	**FR29W002M**	F03FS09763	WO	118
305	2,4	1,8	30	8	TCG 10°	**FR29F001M**	F03FS09851	FC	134
305	2,4	1,8	30	96	HLTCG 0°	**FR29A004MC**	F03FS10091	AL	130
305	2,6	2,2	25,4	60	DTCG 0°	**LU6A 1100**	F03FS05353	ST	102
305	2,6	2,2	25,4	80	DTCG 0°	**LU6A 1200**	F03FS05354	ST	102
305	2,6	2,0	30	80	HLTCG (Ch) 0°	**FR29M001M**	F03FS09891	MM	138
305	2,8	1,8	30	100	ATB 5°	**FR29W001T**	F03FS09787	WO	119
305	2,8	1,8	25,4	96	ATB 15°	**FR29W002T**	F03FS10138	WO	119
305	2,8	2,0	30	96	HLTCG -5°	**FR29A001M**	F03FS09829	AL	130
305	3,0	2,2	25,4	100	AXL 15°	**LU1L 0700**	F03FS04696	WO PM	43
305	3,0	2,2	25,4	120	AXL 15°	**LU1L 0800**	F03FS04697	WO PM	43
305	3,0	2,2	30	100	AXL 15°	**LU1L 1100**	F03FS06410	WO PM	43
305	3,0	2,5	25,4	120	TCG 5°	**LU5E 0600**	F03FS05333	AL	99
305	3,2	2,2	30	96	HLTCG -3°	**FR29H001M**	F03FS09876	HPL	126
305	4,4	3,0	30	60	TCG 15°	**LSB30501X**	F03FS10221	LP PM	66
310	4,4	3,2	60	72	TCG 15°	**LSB31001X**	F03FS09949	LP PM	66
315	2,4	1,8	30	72	ATB -5°	**FR30W001M**	F03FS09766	WO	118
315	2,8	2,2	30	96	HLTCG -5°	**FR30A001M**	F03FS09832	AL	130
315	3,2	2,2	30	24	ATB 15°	**LP70M 003P**	F03FS03765	WO	35
315	3,2	2,2	25	48	ATB 15°	**LP70M 006P**	F03FS03768	WO	35
315	3,2	2,2	30	28	ATB 20°	**LU1C 0800**	F03FS04601	WO	36
315	3,2	2,2	30	48	ATB 15°	**LU2A 2400**	F03FS04844	WP	47
315	3,2	2,2	30	72	ATB 10°	**LU2B 1300**	F03FS04891	WP	48
315	3,4	2,2	30	20	BEV 15°	**LU1B 0300**	F03FS04582	WO	34
320	3,0	2,2	30	20+2+2	FLAT 20°	**LM02 1000**	F03FS02815	WO	25
320	3,0	2,2	80	20+2+2	FLAT 20°	**LM02 1100**	F03FS02817	WO	25
320	3,0	2,2	30	20+2+2	ATB 20°	**LM03 1100**	F03FS02863	WO	26
320	3,0	2,2	80	20+2+2	ATB 20°	**LM03 1200**	F03FS02865	WO	26
320	3,2	2,2	30	24+2+2	ATB 20°	**LM04 0900**	F03FS02908	WO	27
320	3,2	2,2	80	24+2+2	ATB 20°	**LM04 1000**	F03FS02910	WO	27
320	3,4	2,2	30	20+2+2	FLAT 25°	**LM05 0900**	F03FS02993	WO	28
320	3,4	2,2	80	20+2+2	FLAT 25°	**LM05 1000**	F03FS02995	WO	28
320	4,2	3,0	30	20+2+2	FLAT 25°	**LM06 0900**	F03FS03121	WO	29
320	4,2	3,0	70	20+2+2	FLAT 25°	**LM06 1900**	F03FS03140	WO	29
320	4,2	3,0	80	20+2+2	FLAT 25°	**LM06 1000**	F03FS03123	WO	29
320	4,3 - 5,5	3,0	45	48	ATB 12°	**LI25M43SE3**	F03FS02696	LP	79
320	4,3 - 5,5	3,2	45	48	ATB 12°	**LI25M43SA3**	F03FS02695	LP	79
320	4,4	3,2	30	60	TCG 15°	**LSB32005X**	F03FS09160	LP PM	66
320	4,4	3,2	50	60	TCG 15°	**LSB32004X**	F03FS10222	LP PM	66
320	4,4	3,2	65	60	TCG 15°	**LSB32003X**	F03FS09161	LP PM	66
320	4,4	3,2	80	60	TCG 15°	**LSB32006X**	F03FS10101	LP PM	66
320	4,4	3,2	60	72	TCG 15°	**LSB32008X**	F03FS10268	LP PM	66
320	4,4	3,2	65	72	TCG 15°	**LSB32001X**	F03FS07805	LP PM	66
320	4,4	3,2	75	72	TCG 15°	**LSB32002X**	F03FS09162	LP PM	66
320	4,4	3,2	80	72	TCG 15°	**LSB32007X**	F03FS10267	LP PM	66
320	4,4	3,2	50	60	DTCG 10°	**LSC32004**	F03FS06328	LP	69
320	4,4	3,2	65	60	DTCG 10°	**LSC32003**	F03FS06329	LP	69
320	5,5	3,5	30	20+2+2	FLAT 20°	**LM07 0900**	F03FS03157	WO	30
320	5,5	3,5	80	20+2+2	FLAT 20°	**LM07 1000**	F03FS03159	WO	30
330	3,2	2,2	20	96	ATB 5°	**LU2C 1800**	F03FS04934	WP	49
330	3,5	3,0	30	96	ATB 10°	**LU1I 0800**	F03FS04686	WO	42
330	3,5	3,0	30	84	TCG 10°	**LU5A 0800**	F03FS05190	AL	95
330	3,5	3,0	32	84	TCG 10°	**LU5A 0900**	F03FS05192	AL	95
330	3,5	3,0	30	104	TCG 5°	**LU5B 1100**	F03FS05233	PM AL	96
330	3,5	3,0	32	104	TCG 5°	**LU5B 1200**	F03FS05234	PM AL	96
330	3,5	3,0	30	80	TCG -6°	**LU5C 1000**	F03FS05268	AL	97
330	3,5	3,0	32	80	TCG -6°	**LU5C 1100**	F03FS05269	AL	97
330	3,5	3,0	30	104	TCG -6°	**LU5D 1500**	F03FS05306	PM AL	98
330	3,5	3,0	32	104	TCG -6°	**LU5D 1600**	F03FS05308	PM AL	98
340	4,7 - 5,9	3,5	45	72	ATB 12°	**LI25M47TE3**	F03FS02722	LP	79
340	5,0	3,5	45	48	ATB 15°	**LI27M EA3**	F03FS02746	LP	83
340	5,0	3,5	45	108	ATB 15°	**LI27M EB3**	F03FS02747	LP	83
350	2,5	1,8	50	40	ATB 20°	**LM08 2100**	F03FS03229	WO	31
350	2,6	2,2	30	72	DTCG 0°	**LU6A 1300**	F03FS05355	ST	102
350	2,6	2,2	30	90	DTCG 0°	**LU6A 1400**	F03FS05356	ST	102
350	2,9	2,5	30	60	HLTCG (Ch) 0°	**FR32X001H**	F03FS09861	SP	136
350	3,0	2,2	30	24+2+2	FLAT 20°	**LM02 1200**	F03FS02819	WO	25
350	3,0	2,2	60	24+2+2	FLAT 20°	**LM02 1300**	F03FS02821	WO	25
350	3,0	2,2	70	24+2+2	FLAT 20°	**LM02 1400**	F03FS02823	WO	25
350	3,0	2,2	80	24+2+2	FLAT 20°	**LM02 1500**	F03FS02825	WO	25
350	3,0	2,2	30	24+2+2	ATB 20°	**LM03 1300**	F03FS02867	WO	26
350	3,0	2,2	60	24+2+2	ATB 20°	**LM03 1400**	F03FS02869	WO	26
350	3,0	2,2	70	24+2+2	ATB 20°	**LM03 1500**	F03FS02871	WO	26
350	3,0	2,2	80	24+2+2	ATB 20°	**LM03 1600**	F03FS02873	WO	26
350	3,0	2,2	90	24+2+2	ATB 20°	**LM03 1700**	F03FS05808	WO	26
350	3,0	2,2	30	28	FLAT 15°	**LP70M 002P**	F03FS03763	WO	35
350	3,0	2,2	30	32	FLAT 15°	**LU1E 0400**	F03FS04636	WO	38
350	3,0	2,2	30	32	ATB 22°	**LU1F 0300**	F03FS04644	WO	39
350	3,0	2,2	30	60	ATB 15°	**LU1H 1200**	F03FS04665	WO	41
350	3,0	2,2	30	84	ATB 15°	**LU1H 1300**	F03FS04667	WO	41
350	3,0	2,2	30	120	AXL 15°	**LU1L 0900**	F03FS04698	WO PM	43
350	3,0	2,2	30	108	ATB 5°	**LU2D 1100**	F03FS04963	WP	50
350	3,0	2,5	30	100	TCG 5°	**LU5E 0900**	F03FS05339	AL	99
350	3,0	2,5	32	100	TCG 5°	**LU5E 1000**	F03FS05340	AL	99
350	3,0	2,5	30	120	TCG 5°	**LU5E 1100**	F03FS05341	AL	99
350	3,0	2,5	32	120	TCG 5°	**LU5E 1200**	F03FS05342	AL	99
350	3,2	2,2	30	60	RND 20°	**LU1G 0300**	F03FS04648	WO	40
350	3,2	2,2	30	72	CON 10°	**LU3B 0400**	F03FS05075	LP	71
350	3,2	2,2	30	72	CON -5°	**LU3C 0400**	F03FS05080	LP	72
350	3,5	3,0	30	108	ATB 10°	**LU1I 0900**	F03FS04688	WO	42
350	3,5	2,5	70	24+2+4	ATB 20°	**LM04 2400**	F03FS06243	WO	27
350	3,5	2,5	80	24+2+4	ATB 20°	**LM04 2500**	F03FS06244	WO	27
350	3,5	2,5	30	28+2+4	ATB 20°	**LM04 1100**	F03FS02912	WO	27
350	3,5	2,5	60	28+2+4	ATB 20°	**LM04 1200**	F03FS02914	WO	27
350	3,5	2,5	70	28+2+4	ATB 20°	**LM04 1300**	F03FS02916	WO	27
350	3,5	2,5	80	28+2+4	ATB 20°	**LM04 1400**	F03FS02919	WO	27
350	3,5	2,5	90	28+2+4	ATB 20°	**LM04 2200**	F03FS02935	WO	27
350	3,5	2,5	30	30	ATB 20°	**LU1C 1000**	F03FS04603	WO	36
350	3,5	2,5	35	30	ATB 20°	**LU1C 1100**	F03FS04605	WO	36
350	3,5	2,5	70	30	ATB 20°	**LU1C 1200**	F03FS04607	WO	36
350	3,5	2,5	30	32	ATB 20°	**LU1D 1100**	F03FS04628	WO	37
350	3,5	2,5	70	32	ATB 20°	**LU1D 1000**	F03FS04626	WO	37
350	3,5	2,5	30	54	ATB 15°	**LU2A 2800**	F03FS04849	WP	47
350	3,5	2,5	35	54	ATB 15°	**LU2A 3000**	F03FS04851	WP	47

WO: Solid wood - **LP:** Chipboard and laminated panels - **WP:** Wood Based Panel - **PM:** Polymeric Materials - **AL:** Aluminium & Non-ferrous metals - **ST:** Steel - **CW:** Construct Wood - **FC:** Fibre Cement - **HPL:** High Pressure Laminate - **SP:** Sandwich Panel - **MM:** Multi Material

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
350	3,5	2,5	30	42	ATB 15°	**LU2A 2500**	F03FS04845	WP	47
350	3,5	2,5	35	42	ATB 15°	**LU2A 2600**	F03FS04847	WP	47
350	3,5	2,5	30	72	ATB 10°	**LU2B 1400**	F03FS04893	WP	48
350	3,5	2,5	30	84	ATB 10°	**LU2B 1600**	F03FS04895	WP	48
350	3,5	2,5	35	84	ATB 10°	**LU2B 2400**	F03FS04905	WP	48
350	3,5	2,5	30	108	ATB 5°	**LU2C 2000**	F03FS04936	WP	49
350	3,5	2,5	30	72	ATB 10°	**LU2E 0500**	F03FS04970	WP	51
350	3,5	2,5	30	108	ATB 5°	**LU3A 0400**	F03FS05066	LP	70
350	3,5	2,5	30	108	TCG 5°	**LU3D 0900**	F03FS05098	LP	73
350	3,5	2,5	30	72	TCG 10°	**LU3D 2000**	F03FS05108	LP	73
350	3,5	2,5	30	108	TCG 10°	**LU3D 1700**	F03FS05105	LP	73
350	3,5	2,5	30	84	TCG -6°	**LU3E 0400**	F03FS05115	LP	74
350	3,5	2,5	30	108	TCG -3°	**LU3F 0400**	F03FS05124	LP PM	75
350	3,5	2,5	30	30	ATB 20°	**LG1C 1000**	F03FS07561	WO	44
350	3,5	2,5	30	54	ATB 15°	**LG2A 2800**	F03FS07565	WP	53
350	3,5	2,5	30	72	ATB 10°	**LG2B 1400**	F03FS07568	WP	54
350	3,5	2,5	30	84	ATB 10°	**LG2B 1600**	F03FS07569	WP	54
350	3,5	2,5	30	108	ATB 5°	**LG2C 2000**	F03FS07572	WP	55
350	3,5	2,5	30	108	TCG 5°	**LG3D 0900**	F03FS07437	LP	76
350	3,5	2,5	30	72	TCG 10°	**LG3D 2000**	F03FS07573	LP	76
350	3,5	2,8	30	108	DTCG 5°	**LU4D 0300**	F03FS07296	PM	93
350	3,5	3,0	30	84	TCG 10°	**LU5A 1000**	F03FS05193	AL	95
350	3,5	3,0	32	84	TCG 10°	**LU5A 1100**	F03FS05194	AL	95
350	3,5	3,0	40	84	TCG 10°	**LU5A 1200**	F03FS05196	AL	95
350	3,5	3,0	30	96	TCG 5°	**LU5B 1300**	F03FS05235	PM AL	96
350	3,5	3,0	32	96	TCG 5°	**LU5B 1400**	F03FS05236	PM AL	96
350	3,5	3,0	40	96	TCG 5°	**LU5B 1500**	F03FS05238	PM AL	96
350	3,5	3,0	30	108	TCG 5°	**LU5B 1600**	F03FS05239	PM AL	96
350	3,5	3,0	32	108	TCG 5°	**LU5B 1700**	F03FS05240	PM AL	96
350	3,5	3,0	40	108	TCG 5°	**LU5B 1800**	F03FS05242	PM AL	96
350	3,5	3,0	30	84	TCG -6°	**LU5C 1200**	F03FS05270	AL	97
350	3,5	3,0	32	84	TCG -6°	**LU5C 1300**	F03FS05271	AL	97
350	3,5	3,0	40	84	TCG -6°	**LU5C 1400**	F03FS05272	AL	97
350	3,5	3,0	30	108	TCG -6°	**LU5D 1700**	F03FS05309	PM AL	98
350	3,5	3,0	32	108	TCG -6°	**LU5D 1800**	F03FS05311	PM AL	98
350	3,5	3,0	40	108	TCG -6°	**LU5D 1900**	F03FS05313	PM AL	98
350	3,5	2,2	30	24	ATB 20°	**FR32W001H**	F03FS09742	WO	117
350	3,7	2,5	30	20+2+4	FLAT 25°	**LM05 1100**	F03FS02997	WO	28
350	3,7	2,5	50	20+2+4	FLAT 25°	**LM05 1200**	F03FS02999	WO	28
350	3,7	2,5	60	20+2+4	FLAT 25°	**LM05 1300**	F03FS03001	WO	28
350	3,7	2,5	70	20+2+4	FLAT 25°	**LM05 1400**	F03FS03003	WO	28
350	3,7	2,5	80	20+2+4	FLAT 25°	**LM05 1500**	F03FS03005	WO	28
350	3,7	2,5	90	20+2+4	FLAT 25°	**LM05 4100**	F03FS03060	WO	28
350	3,7	2,5	30	24	BEV 15°	**LU1B 0400**	F03FS04583	WO	34
350	3,9	2,5	50	18+2+2	FLAT 21°	**LM1035001**	F03FS07701	WO	32
350	4,2	3,0	30	20+2+4	FLAT 25°	**LM06 1100**	F03FS03125	WO	29
350	4,2	3,0	50	20+2+4	FLAT 25°	**LM06 1800**	F03FS03138	WO	29
350	4,2	3,0	60	20+2+4	FLAT 25°	**LM06 1200**	F03FS03127	WO	29
350	4,2	3,0	70	20+2+4	FLAT 25°	**LM06 1300**	F03FS03129	WO	29
350	4,2	3,0	80	20+2+4	FLAT 25°	**LM06 1400**	F03FS03131	WO	29
350	4,2	3,2	80	96	TCG 15°	**LSB35011X**	F03FS10225	LP PM	67
350	4,2	3,0	30	84	ATB 10°	**LT14MD DA3**	F03FS04386	LP	87
350	4,2	3,0	30	84	ATB 10°	**LT14MS DA3**	F03FS04397	LP	87
350	4,4	3,0	30	42	ATB -5°	**LU1A 0200**	F03FS04573	WO	33
350	4,4	3,2	30	54	TCG 15°	**LSB35001X**	F03FS10223	LP PM	67
350	4,4	3,2	60	54	TCG 15°	**LSB35002X**	F03FS10224	LP PM	67
350	4,4	3,2	30	72	TCG 15°	**LSB35003X**	F03FS07630	LP PM	67
350	4,4	3,2	50	72	TCG 15°	**LSB35006X**	F03FS07709	LP PM	67
350	4,4	3,2	60	72	TCG 15°	**LSB35004X**	F03FS07636	LP PM	67
350	4,4	3,2	65	72	TCG 15°	**LSB35013X**	F03FS09659	LP PM	67
350	4,4	3,2	75	72	TCG 15°	**LSB35008X**	F03FS07634	LP PM	67
350	4,4	3,2	80	72	TCG 15°	**LSB35005X**	F03FS07635	LP PM	67
350	4,4	3,2	30	72	DTCG 15°	**LSC35003**	F03FS06305	LP	69
350	4,4	3,2	50	72	DTCG 15°	**LSC35006**	F03FS06309	LP	69
350	4,4	3,2	60	72	DTCG 15°	**LSC35004**	F03FS06310	LP	69
350	4,4	3,2	80	72	DTCG 15°	**LSC35005**	F03FS06311	LP	69
350	5,5	3,5	30	24+2+4	FLAT 20°	**LM07 1100**	F03FS03161	WO	30
350	5,5	3,5	60	24+2+4	FLAT 20°	**LM07 1200**	F03FS03163	WO	30
350	5,5	3,5	70	24+2+4	FLAT 20°	**LM07 1300**	F03FS03165	WO	30
350	5,5	3,5	80	24+2+4	FLAT 20°	**LM07 1400**	F03FS03167	WO	30
355	2,6	2,2	25,4	72	DTCG 0°	**LU6A 1500**	F03FS05357	ST	102
355	2,6	2,2	25,4	90	DTCG 0°	**LU6A 1600**	F03FS05358	ST	102
355	2,6	2,2	30	80	HLTCG (Ch) 0°	**FR33X001H**	F03FS09862	SP	136
355	3,0	2,2	25,4	120	AXL 15°	**LU1L 1000**	F03FS04699	WO PM	43
355	3,0	2,2	30	60	ATB 15°	**FR33W001H**	F03FS09743	WO	117
355	3,0	2,2	25,4	108	ATB 15°	**FR33W001T**	F03FS10137	WO	119
355	4,4	3,2	75	54	TCG 15°	**LSB35502X**	F03FS10226	LP PM	67
355	4,4	3,2	80	54	TCG 15°	**LSB35503X**	F03FS09205	LP PM	67
355	4,4	3,2	30	72	TCG 15°	**LSB35504X**	F03FS07674	LP PM	67
355	4,4	3,2	65	72	TCG 15°	**LSB35508X**	F03FS08740	LP PM	67
355	4,4	3,2	75	72	TCG 15°	**LSB35505X**	F03FS07633	LP PM	67
355	4,4	3,2	75	72	TCG 15°	**LSB35507X**	F03FS07710	LP PM	67
355	4,4	3,2	80	72	TCG 15°	**LSB35506X**	F03FS09163	LP PM	67
355	4,4	3,2	30	72	DTCG 15°	**LSC35504**	F03FS06306	LP	69
355	4,4	3,2	65	72	DTCG 15°	**LSC35508BS**	F03FS07869	LP	69
355	4,4	3,2	75	72	DTCG 15°	**LSC35505**	F03FS06307	LP	69
360	4,4	3,2	65	60	TCG 15°	**LSB36001X**	F03FS10227	LP PM	67
360	4,4	3,2	30	72	TCG 15°	**LSB36003X**	F03FS09341	LP PM	67
360	4,4	3,2	65	72	TCG 15°	**LSB36002X**	F03FS07673	LP PM	67
360	4,4	3,2	65	72	DTCG 15°	**LSC36002**	F03FS06308	LP	69
370	3,5	3,0	30	90	TCG 10°	**LU5A 1300**	F03FS05197	AL	95
370	3,5	3,0	50	90	TCG 10°	**LU5A 1400**	F03FS05198	AL	95
370	3,5	3,0	30	112	TCG 5°	**LU5B 1900**	F03FS07745	PM AL	96
370	3,5	3,0	50	112	TCG 5°	**LU5B 2000**	F03FS05243	PM AL	96
370	3,5	3,0	30	90	TCG -6°	**LU5C 1500**	F03FS05273	AL	97
370	3,5	3,0	50	90	TCG -6°	**LU5C 1600**	F03FS05274	AL	97
370	3,5	3,0	30	108	TCG -6°	**LU5D 2000**	F03FS05314	PM AL	98
370	4,4	3,2	30	72	TCG 15°	**LSB37001X**	F03FS10228	LP PM	67
370	4,4	3,2	30	72	DTCG 15°	**LSC37001**	F03FS06312	LP	69
380	3,5	3,0	32	96	TCG 10°	**LU5A 1500**	F03FS05199	AL	95
380	3,5	3,0	32	112	TCG 5°	**LU5B 2100**	F03FS05244	PM AL	96
380	3,5	3,0	32	96	TCG -6°	**LU5C 1700**	F03FS05275	AL	97
380	3,5	3,0	32	108	TCG -6°	**LU5D 2200**	F03FS05315	PM AL	98
380	4,0	2,8	30	20+2+4	FLAT 25°	**LM05 1600**	F03FS03007	WO	28
380	4,0	2,8	70	20+2+4	FLAT 25°	**LM05 1700**	F03FS03009	WO	28
380	4,0	2,8	80	20+2+4	FLAT 25°	**LM05 1800**	F03FS03011	WO	28
380	4,4	3,2	80	48	TCG 15°	**LSB38009X**	F03FS09164	LP PM	67
380	4,4	3,2	50	60	TCG 15°	**LSB38007X**	F03FS10230	LP PM	67
380	4,4	3,2	60	60	TCG 15°	**LSB38001X**	F03FS07806	LP PM	67
380	4,4	3,2	30	72	TCG 15°	**LSB38011X**	F03FS10231	LP PM	67
380	4,4	3,2	50	72	TCG 15°	**LSB38008X**	F03FS09165	LP PM	67
380	4,4	3,2	60	72	TCG 15°	**LSB38002X**	F03FS07631	LP PM	67
380	4,4	3,2	65	72	TCG 15°	**LSB38014X**	F03FS09166	LP PM	67
380	4,4	3,2	75	72	TCG 15°	**LSB38012X**	F03FS07672	LP PM	67
380	4,4	3,2	80	72	TCG 15°	**LSB38010X**	F03FS07808	LP PM	67
380	4,4	3,2	60	84	TCG 15°	**LSB38015X**	F03FS08989	LP PM	67
380	4,4	3,2	80	96	TCG 15°	**LSB38013X**	F03FS07809	LP PM	67
380	4,4	3,2	50	72	DTCG 15°	**LSC38008**	F03FS06343	LP	69
380	4,4	3,2	60	72	DTCG 15°	**LSC38002**	F03FS06313	LP	69
380	4,4	3,2	80	72	DTCG 15°	**LSC38010**	F03FS06314	LP	69
380	4,8	3,5	60	60	TCG 15°	**LSB38003X**	F03FS10229	LP PM	67
380	4,8	3,5	60	72	TCG 15°	**LSB38004X**	F03FS07632	LP PM	67
380	4,8	3,5	60	84	TCG 15°	**LSB38005X**	F03FS07807	LP PM	67
380	4,8	3,5	60	72	DTCG 15°	**LSC38004**	F03FS06332	LP	69
390	4,4	3,2	80	72	TCG 15°	**LSB39001X**	F03FS09167	LP PM	67
400	3,5	3,0	30	96	TCG 10°	**LU5A 1600**	F03FS05200	AL	95
400	3,5	3,0	32	96	TCG 10°	**LU5A 1700**	F03FS05202	AL	95
400	3,5	3,0	40	96	TCG 10°	**LU5A 1800**	F03FS05205	AL	95
400	3,5	3,0	50	96	TCG 10°	**LU5A 1900**	F03FS05206	AL	95
400	3,5	3,0	30	120	TCG 5°	**LU5B 2200**	F03FS05245	PM AL	96
400	3,5	3,0	32	120	TCG 5°	**LU5B 2300**	F03FS05246	PM AL	96
400	3,5	3,0	40	120	TCG 5°	**LU5B 2400**	F03FS05248	PM AL	96
400	3,5	3,0	50	120	TCG 5°	**LU5B 2500**	F03FS05249	PM AL	96
400	3,5	3,0	75	120	TCG 5°	**LU5B 2275**	F03FS09967	PM AL	96

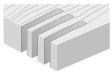
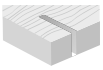
D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
400	3,5	3,0	30	96	TCG -6°	**LU5C 1800**	F03FS05276	AL	97
400	3,5	3,0	32	96	TCG -6°	**LU5C 1900**	F03FS05277	AL	97
400	3,5	3,0	40	96	TCG -6°	**LU5C 2000**	F03FS05278	AL	97
400	3,5	3,0	50	96	TCG -6°	**LU5C 2100**	F03FS05279	AL	97
400	3,5	3,0	30	120	TCG -6°	**LU5D 2300**	F03FS05316	PM AL	98
400	3,5	3,0	32	120	TCG -6°	**LU5D 2400**	F03FS05317	PM AL	98
400	3,5	3,0	40	120	TCG -6°	**LU5D 2500**	F03FS05318	PM AL	98
400	3,5	3,0	50	120	TCG -6°	**LU5D 2600**	F03FS05319	PM AL	98
400	3,5	3,0	30	96	PYR 7°	**LU5F40001**	F03FS07683	PM AL	100
400	3,5	3,0	32	96	PYR 7°	**LU5F40002**	F03FS07684	PM AL	100
400	3,5	3,0	30	120	PYR 7°	**LU5F40003**	F03FS07685	PM AL	100
400	3,5	3,0	32	120	PYR 7°	**LU5F40004**	F03FS07686	PM AL	100
400	3,8	2,8	30	28	ATB 15°	**LP70M 008P**	F03FS03770	WO	35
400	3,8	2,8	30	120	ATB 5°	**LU2C 2100**	F03FS04938	WP	49
400	4,0	2,8	30	28+2+4	ATB 20°	**LM04 1500**	F03FS02921	WO	27
400	4,0	2,8	70	28+2+4	ATB 20°	**LM04 1600**	F03FS02923	WO	27
400	4,0	2,8	80	28+2+4	ATB 20°	**LM04 1700**	F03FS02926	WO	27
400	4,0	2,8	30	24+2+4	FLAT 25°	**LM05 1900**	F03FS03013	WO	28
400	4,0	2,8	50	24+2+4	FLAT 25°	**LM05 2000**	F03FS03015	WO	28
400	4,0	2,8	70	24+2+4	FLAT 25°	**LM05 2100**	F03FS03017	WO	28
400	4,0	2,8	80	24+2+4	FLAT 25°	**LM05 2200**	F03FS03019	WO	28
400	4,0	2,8	30	28	BEV 15°	**LU1B 0500**	F03FS04585	WO	34
400	4,0	2,8	30	34	ATB 20°	**LU1C 1300**	F03FS04609	WO	36
400	4,0	2,8	30	60	ATB 15°	**LU2A 3300**	F03FS04856	WP	47
400	4,0	2,8	35	60	ATB 15°	**LU2A 3400**	F03FS04858	WP	47
400	4,0	2,8	50	48	ATB 15°	**LU2A 3150**	F03FS09578	WP	47
400	4,0	2,8	30	48	ATB 15°	**LU2A 3100**	F03FS04853	WP	47
400	4,0	2,8	30	96	ATB 10°	**LU2B 1900**	F03FS04897	WP	48
400	4,4	3,0	50	18+2+2	FLAT 21°	**LM1040001**	F03FS07702	WO	32
400	4,4	3,0	30	48	ATB -5°	**LU1A 0300**	F03FS04574	WO	33
400	4,4	3,2	30	48	TCG 15°	**LSB40001X**	F03FS09168	LP PM	67
400	4,4	3,2	80	48	TCG 15°	**LSB40010X**	F03FS10233	LP PM	67
400	4,4	3,2	30	60	TCG 15°	**LSB40004X**	F03FS09169	LP PM	67
400	4,4	3,2	75	60	TCG 15°	**LSB40005X**	F03FS09170	LP PM	67
400	4,4	3,2	80	60	TCG 15°	**LSB40006X**	F03FS10232	LP PM	67
400	4,4	3,2	80	60	TCG 15°	**LSB40011X**	F03FS09171	LP PM	67
400	4,4	3,2	30	72	TCG 15°	**LSB40007X**	F03FS07725	LP PM	67
400	4,4	3,2	50,8	72	TCG 10°	**LSB40018X**	F03FS08957	LP PM	67
400	4,4	3,2	60	72	TCG 15°	**LSB40017X**	F03FS09272	LP PM	67
400	4,4	3,2	65	72	TCG 15°	**LSB40016X**	F03FS09172	LP PM	67
400	4,4	3,2	75	72	TCG 15°	**LSB40008X**	F03FS07726	LP PM	67
400	4,4	3,2	80	72	TCG 15°	**LSB40009X**	F03FS07810	LP PM	67
400	4,4	3,2	80	72	TCG 15°	**LSB40012X**	F03FS09173	LP PM	67
400	4,4	3,2	60	84	TCG 15°	**LSB40021X**	F03FS09255	LP PM	67
400	4,4	3,2	75	84	TCG 15°	**LSB40019X**	F03FS08990	LP PM	67
400	4,4	3,2	30	72	DTCG 15°	**LSC40007**	F03FS06315	LP	69
400	4,4	3,2	65	72	DTCG 15°	**LSC40016BS**	F03FS07870	LP	69
400	4,4	3,2	75	72	DTCG 15°	**LSC40008**	F03FS06317	LP	69
400	4,4	3,2	80	72	DTCG 15°	**LSC40009**	F03FS06319	LP	69
400	4,4	3,2	80	72	DTCG 15°	**LSC40012**	F03FS06320	LP	69
400	4,8	3,5	60	72	TCG 15°	**LSB40013X**	F03FS07711	LP PM	67
420	3,5	3,0	30	96	TCG 10°	**LU5A 2000**	F03FS05207	AL	95
420	3,5	3,0	30	120	TCG 5°	**LU5B 2600**	F03FS05250	PM AL	96
420	3,5	3,0	30	100	PYR 7°	**LU5F42001**	F03FS07687	PM AL	100
420	3,5	3,0	32	100	PYR 7°	**LU5F42002**	F03FS07688	PM AL	100
420	4,0	3,2	30	96	TCG -6°	**LU5C 2200**	F03FS05280	AL	97
420	4,0	3,2	40	96	TCG -6°	**LU5C 2300**	F03FS05281	AL	97
420	4,0	3,2	30	120	TCG -6°	**LU5D 2700**	F03FS05320	PM AL	98
420	4,0	3,2	40	120	TCG -6°	**LU5D 2800**	F03FS05321	PM AL	98
420	4,4	3,2	80	60	TCG 15°	**LSB42004X**	F03FS10235	LP PM	67
420	4,4	3,2	50	72	TCG 15°	**LSB42006X**	F03FS09174	LP PM	67
420	4,4	3,2	80	72	TCG 15°	**LSB42005X**	F03FS09175	LP PM	67
420	4,8	3,5	60	60	TCG 15°	**LSB42001X**	F03FS10234	LP PM	67
420	4,8	3,5	60	84	TCG 15°	**LSB42002X**	F03FS09176	LP PM	67

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
430	4,4	3,2	30	48	TCG 15°	**LSB43001X**	F03FS10236	LP PM	67
430	4,4	3,2	75	48	TCG 15°	**LSB43002X**	F03FS10237	LP PM	67
430	4,4	3,2	30	60	TCG 15°	**LSB43004X**	F03FS10238	LP PM	67
430	4,4	3,2	75	60	TCG 15°	**LSB43005X**	F03FS10239	LP PM	67
430	4,4	3,2	80	60	TCG 15°	**LSB43006X**	F03FS10240	LP PM	67
430	4,4	3,2	30	72	TCG 15°	**LSB43007X**	F03FS09177	LP PM	67
430	4,4	3,2	65	72	TCG 15°	**LSB43012X**	F03FS09178	LP PM	67
430	4,4	3,2	75	72	TCG 15°	**LSB43008X**	F03FS07908	LP PM	67
430	4,4	3,2	80	72	TCG 15°	**LSB43009X**	F03FS07909	LP PM	67
430	4,4	3,2	75	96	TCG 15°	**LSB43010X**	F03FS09179	LP PM	67
430	4,4	3,2	75	72	DTCG 15°	**LSC43008**	F03FS06316	LP	69
430	4,4	3,2	80	72	DTCG 15°	**LSC43009**	F03FS06321	LP	69
430	4,8	3,5	70	72	TCG 15°	**LSB43013X**	F03FS09180	LP PM	67
450	3,5	3,0	30	108	PYR 7°	**LU5F45001**	F03FS07689	PM AL	100
450	3,5	3,0	32	108	PYR 7°	**LU5F45002**	F03FS07690	PM AL	100
450	4,0	3,2	30	108	TCG 10°	**LU5A 2100**	F03FS05208	AL	95
450	4,0	3,2	32	108	TCG 10°	**LU5A 2200**	F03FS05210	AL	95
450	4,0	3,2	40	108	TCG 10°	**LU5A 2300**	F03FS08047	AL	95
450	4,0	3,2	50	108	TCG 10°	**LU5A 2400**	F03FS07420	AL	95
450	4,0	3,0	30	128	TCG 5°	**LU5B 2700**	F03FS05251	PM AL	96
450	4,0	3,0	32	128	TCG 5°	**LU5B 2800**	F03FS05252	PM AL	96
450	4,0	3,2	30	108	TCG -6°	**LU5C 2400**	F03FS05282	AL	97
450	4,0	3,2	32	108	TCG -6°	**LU5C 2500**	F03FS05283	AL	97
450	4,0	3,2	40	108	TCG -6°	**LU5C 2600**	F03FS05284	AL	97
450	4,0	3,2	50	108	TCG -6°	**LU5C 2700**	F03FS05285	AL	97
450	4,0	3,2	30	128	TCG -6°	**LU5D 2900**	F03FS05322	PM AL	98
450	4,2	3,0	30	32	BEV 15°	**LU1B 0600**	F03FS04586	WO	34
450	4,4	3,0	30	24+2+4	FLAT 25°	**LM05 2400**	F03FS03023	WO	28
450	4,4	3,0	50	24+2+4	FLAT 25°	**LM05 2500**	F03FS03025	WO	28
450	4,4	3,0	70	24+2+4	FLAT 25°	**LM05 2600**	F03FS03027	WO	28
450	4,4	3,0	80	24+2+4	FLAT 25°	**LM05 2700**	F03FS03029	WO	28
450	4,4	3,0	30	54	ATB -5°	**LU1A 0400**	F03FS04575	WO	33
450	4,4	3,0	30	38	ATB 20°	**LU1C 1400**	F03FS04611	WO	36
450	4,4	3,0	30	66	ATB 15°	**LU2A 3600**	F03FS04862	WP	47
450	4,4	3,0	30	54	ATB 10°	**LU2A 3500**	F03FS04860	WP	47
450	4,4	3,0	30	96	ATB 10°	**LU2B 2000**	F03FS04899	WP	48
450	4,4	3,0	30	132	ATB 5°	**LU2C 2200**	F03FS04939	WP	49
450	4,4	3,2	30	48	TCG 15°	**LSB45001X**	F03FS10241	LP PM	68
450	4,4	3,2	60	48	TCG 15°	**LSB45002X**	F03FS10242	LP PM	68
450	4,4	3,2	30	60	TCG 15°	**LSB45004X**	F03FS10243	LP PM	68
450	4,4	3,2	60	60	TCG 15°	**LSB45005X**	F03FS10244	LP PM	68
450	4,4	3,2	80	60	TCG 15°	**LSB45006X**	F03FS10245	LP PM	68
450	4,4	3,2	30	72	TCG 15°	**LSB45007X**	F03FS09181	LP PM	68
450	4,4	3,2	60	72	TCG 15°	**LSB45008X**	F03FS09182	LP PM	68
450	4,4	3,2	80	72	TCG 15°	**LSB45009X**	F03FS07811	LP PM	68
450	4,4	3,2	60	72	DTCG 15°	**LSC45008**	F03FS06318	LP	69
450	4,8	3,0	50	18+2+4	FLAT 21°	**LM1045001**	F03FS07703	WO	32
450	4,8	3,5	30	72	TCG 15°	**LSB45016X**	F03FS10246	LP PM	68
450	4,8	3,5	60	72	TCG 15°	**LSB45017X**	F03FS07391	LP PM	68
450	4,8	3,5	80	72	TCG 15°	**LSB45018X**	F03FS07812	LP PM	68
450	4,8	3,5	60	84	TCG 15°	**LSB45019X**	F03FS10247	LP PM	68
450	4,8	3,5	60	72	DTCG 15°	**LSC45017**	F03FS06323	LP	69
450	4,8	3,5	80	72	DTCG 15°	**LSC45018**	F03FS06324	LP	69
460	4,4	3,2	30	72	TCG 15°	**LSB46001X**	F03FS08922	LP PM	68
460	4,4	3,2	75	72	TCG 15°	**LSB46002X**	F03FS07914	LP PM	68
460	4,4	3,2	80	72	TCG 15°	**LSB46003X**	F03FS09950	LP PM	68
470	4,4	3,2	75	48	TCG 15°	**LSB47001X**	F03FS10248	LP PM	68
470	4,4	3,2	75	60	TCG 15°	**LSB47002X**	F03FS10249	LP PM	68
470	4,4	3,2	75	72	TCG 15°	**LSB47003X**	F03FS09183	LP PM	68
470	4,4	3,2	75	96	TCG 15°	**LSB47004X**	F03FS09184	LP PM	68
470	4,8	3,5	70	72	TCG 15°	**LSB47005X**	F03FS09185	LP PM	68
480	4,4	3,2	30	72	TCG 15°	**LSB48007X**	F03FS09914	LP PM	68
480	4,8	3,5	80	60	TCG 15°	**LSB48003X**	F03FS09186	LP PM	68
480	4,8	3,5	30	72	TCG 15°	**LSB48004X**	F03FS09187	LP PM	68

WO: Solid wood - **LP:** Chipboard and laminated panels - **WP:** Wood Based Panel - **PM:** Polymeric Materials - **AL:** Aluminium & Non-ferrous metals - **ST:** Steel - **CW:** Construct Wood - **FC:** Fibre Cement - **HPL:** High Pressure Laminate - **SP:** Sandwich Panel - **MM:** Multi Material

D mm	B mm	b mm	d mm	Z	Teeth	Freud Code	Art. No.	Material	Page
480	4,8	3,5	60	72	TCG 15°	**LSB48006X**	F03FS10269	LP PM	68
480	4,8	3,5	80	72	TCG 15°	**LSB48001X**	F03FS09188	LP PM	68
500	4,0	3,2	30	120	TCG 10°	**LU5A 2500**	F03FS05212	AL	95
500	4,0	3,2	32	120	TCG 10°	**LU5A 2600**	F03FS05214	AL	95
500	4,0	3,2	50	120	TCG 10°	**LU5A 2700**	F03FS08244	AL	95
500	4,0	3,2	30	140	TCG 5°	**LU5B 3100**	F03FS05254	PM AL	96
500	4,0	3,2	32	140	TCG 5°	**LU5B 3200**	F03FS05255	PM AL	96
500	4,0	3,2	30	120	TCG -6°	**LU5C 2800**	F03FS06110	AL	97
500	4,0	3,2	32	120	TCG -6°	**LU5C 2900**	F03FS05286	AL	97
500	4,0	3,2	32	140	TCG -6°	**LU5D 3400**	F03FS05323	PM AL	98
500	4,0	3,5	30	120	PYR 7°	**LU5F50001**	F03FS07691	PM AL	100
500	4,0	3,5	32	120	PYR 7°	**LU5F50002**	F03FS07692	PM AL	100
500	4,4	3,2	30	36	BEV 15°	**LU1B 0700**	F03FS04587	WO	34
500	4,4	3,2	30	36	ATB 15°	**LP70M 010P**	F03FS03772	WO	35
500	4,4	3,2	30	42	ATB 20°	**LU1C 1500**	F03FS04612	WO	36
500	4,4	3,2	30	72	ATB 15°	**LU2A 3800**	F03FS04865	WP	47
500	4,4	3,2	30	60	ATB 15°	**LU2A 3700**	F03FS04864	WP	47
500	4,4	3,2	30	108	ATB 10°	**LU2B 2100**	F03FS04901	WP	48
500	4,4	3,2	30	144	ATB 5°	**LU2C 2300**	F03FS04940	WP	49
500	4,4	3,2	35	144	ATB 5°	**LU2C 2335**	F03FS09975	WP	49
500	4,4	3,2	30	60	TCG 15°	**LSB50003X**	F03FS10250	LP PM	68
500	4,4	3,2	30	72	TCG 15°	**LSB50005X**	F03FS10251	LP PM	68
500	4,4	3,5	30	120	TCG 10°	**LU5A 3000**	F03FS07543	AL	95
500	4,8	3,5	30	28+2+4	FLAT 25°	**LM05 2900**	F03FS03033	WO	28
500	4,8	3,5	50	28+2+4	FLAT 25°	**LM05 3000**	F03FS03036	WO	28
500	4,8	3,5	70	28+2+4	FLAT 25°	**LM05 3100**	F03FS03039	WO	28
500	4,8	3,5	80	28+2+4	FLAT 25°	**LM05 3200**	F03FS03041	WO	28
500	4,8	3,2	30	60	ATB -5°	**LU1A 0500**	F03FS04576	WO	33
500	4,8	3,5	30	144	AXL 10°	**LU1M50030**	F03FS09370	WO	44
500	4,8	3,5	60	60	TCG 15°	**LSB50009X**	F03FS09189	LP PM	68
500	4,8	3,5	75	60	TCG 15°	**LSB50010X**	F03FS09190	LP PM	68
500	4,8	3,5	60	72	TCG 15°	**LSB50011X**	F03FS09191	LP PM	68
500	5,2	3,5	50	18+2+4	FLAT 21°	**LM1050001**	F03FS07704	WO	32
510	4,8	3,5	80	72	TCG 15°	**LSB51001X**	F03FS09984	LP PM	68
520	4,4	3,2	30	54	TCG 15°	**LSB52005X**	F03FS10253	LP PM	68
520	4,4	3,2	30	72	TCG 15°	**LSB52008X**	F03FS09602	LP PM	68
520	4,8	3,5	60	60	TCG 15°	**LSB52002X**	F03FS10252	LP PM	68
520	4,8	3,5	70	60	TCG 15°	**LSB52009X**	F03FS09958	LP PM	68
520	4,8	3,5	30	72	TCG 15°	**LSB52007X**	F03FS09319	LP PM	68
520	4,8	3,5	60	72	TCG 15°	**LSB52003X**	F03FS09192	LP PM	68
520	4,8	3,5	70	72	TCG 15°	**LSB52006X**	F03FS09193	LP PM	68
520	4,8	3,5	30	72	DTCG 18°	**LSC52007**	F03FS07879	LP	69
530	4,0	3,5	30	126	PYR 7°	**LU5F53001**	F03FS07693	PM AL	100
530	4,0	3,5	32	126	PYR 7°	**LU5F53002**	F03FS07694	PM AL	100
530	4,2	3,5	30	126	TCG 10°	**LU5A 2800**	F03FS06607	AL	95
530	4,8	3,5	75	72	TCG 15°	**LSB53004X**	F03FS09651	LP PM	68
530	5,2	3,5	30	60	TCG 15°	**LSB53001X**	F03FS09194	LP PM	68
530	5,2	3,5	100	60	TCG 15°	**LSB53003X**	F03FS09195	LP PM	68
530	5,8	4,0	60	60	TCG 15°	**LSB53002X**	F03FS10254	LP PM	68
540	4,8	3,5	60	60	TCG 15°	**LSB54002X**	F03FS10255	LP PM	68
540	4,8	3,5	60	72	TCG 15°	**LSB54003X**	F03FS10256	LP PM	68
550	4,0	3,5	30	132	PYR 7°	**LU5F55001**	F03FS07695	PM AL	100
550	4,0	3,5	32	132	PYR 7°	**LU5F55002**	F03FS07696	PM AL	100
550	4,2	3,5	30	132	TCG 10°	**LU5A 2900**	F03FS06608	AL	95
550	4,2	3,5	30	148	TCG 5°	**LU5B 3500**	F03FS05257	PM AL	96
550	4,2	3,5	32	148	TCG 5°	**LU5B 3800**	F03FS05260	PM AL	96
550	4,4	3,5	30	48	ATB 20°	**LU1C 1600**	F03FS04613	WO	36
550	4,8	3,5	30	28+2+4	FLAT 25°	**LM05 3400**	F03FS03045	WO	28
550	4,8	3,5	50	28+2+4	FLAT 25°	**LM05 3500**	F03FS03047	WO	28
550	4,8	3,5	70	28+2+4	FLAT 25°	**LM05 3600**	F03FS03050	WO	28
550	4,8	3,5	80	28+2+4	FLAT 25°	**LM05 3700**	F03FS03052	WO	28
550	4,8	3,2	30	72	ATB -5°	**LU1A 0600**	F03FS04577	WO	33
550	4,8	3,5	30	44	BEV 15°	**LU1B 0800**	F03FS04588	WO	34
550	4,8	3,5	30	84	ATB 15°	**LU2A 3900**	F03FS04867	WP	47
550	4,8	3,5	30	120	ATB 10°	**LU2B 2200**	F03FS04903	WP	48
550	4,8	3,5	30	156	ATB 5°	**LU2C 2400**	F03FS04942	WP	49
550	5,0	3,5	40	72	TCG 15°	**LSB55007X**	F03FS09216	LP PM	68
550	5,2	3,5	80	48	TCG 15°	**LSB55005X**	F03FS10257	LP PM	68
550	5,2	3,5	40	72	TCG 15°	**LSB55009X**	F03FS09915	LP PM	68
550	5,2	3,5	60	60	TCG 15°	**LSB55002X**	F03FS09196	LP PM	68
550	5,2	3,5	75	60	TCG 15°	**LSB55010X**	F03FS10030	LP PM	68
550	5,2	3,5	80	60	TCG 15°	**LSB55006X**	F03FS09197	LP PM	68
550	5,2	3,5	90	60	TCG 15°	**LSB55008X**	F03FS09970	LP PM	68
560	5,5	3,5	50	18+2+4	FLAT 21°	**LM1056001**	F03FS07705	WO	32
565	5,0	3,5	100	72	TCG 15°	**LSB56504X**	F03FS09215	LP PM	68
565	5,2	3,5	100	60	TCG 15°	**LSB56502X**	F03FS09198	LP PM	68
570	4,8	3,5	60	60	TCG 15°	**LSB57001X**	F03FS09199	LP PM	68
600	4,7	4,0	30	144	PYR 7°	**LU5F60001**	F03FS07697	PM AL	100
600	4,7	4,0	32	144	PYR 7°	**LU5F60002**	F03FS07698	PM AL	100
600	4,7	4,0	30	156	PYR 7°	**LU5F60003**	F03FS07699	PM AL	100
600	4,7	4,0	32	156	PYR 7°	**LU5F60004**	F03FS07700	PM AL	100
600	4,8	3,8	30	156	TCG 5°	**LU5B 3600**	F03FS05258	PM AL	96
600	5,0	3,5	30	72	ATB -5°	**LU1A 0700**	F03FS04578	WO	33
600	5,2	3,5	30	32+2+4	FLAT 25°	**LM05 4200**	F03FS05860	WO	28
600	5,2	3,5	35	32+2+4	FLAT 25°	**LM05 4235**	F03FS09976	WO	28
600	5,2	3,5	80	32+2+4	FLAT 25°	**LM05 3900**	F03FS03056	WO	28
600	5,2	4,0	30	48	BEV 15°	**LU1B 0900**	F03FS04589	WO	34
600	5,2	4,0	30	48	ATB 15°	**LP70M 012P**	F03FS03774	WO	35
600	5,4	4,0	30	96	ATB 15°	**LU2A 4000**	F03FS04868	WP	47
600	5,4	4,0	30	132	ATB 10°	**LU2B 2300**	F03FS04904	WP	48
600	5,4	4,0	30	168	ATB 5°	**LU2C 2500**	F03FS04943	WP	49
600	5,8	4,0	60	60	TCG 15°	**LSB60001X**	F03FS09200	LP PM	68
600	5,8	4,0	70	60	TCG 15°	**LSB60004X**	F03FS10258	LP PM	68
600	5,8	4,0	75	60	TCG 15°	**LSB60006X**	F03FS10259	LP PM	68
600	5,8	4,0	60	72	TCG 15°	**LSB60002X**	F03FS09201	LP PM	68
650	5,6	4,2	30	54	BEV 15°	**LU1B 1000**	F03FS08324	WO	34
670	6,2	4,2	40	60	TCG 18°	**LSB67003X**	F03FS09202	LP PM	68
670	6,2	4,2	40	72	TCG 18°	**LSB67004X**	F03FS10260	LP PM	68
680	6,2	4,2	40	60	TCG 18°	**LSB68001X**	F03FS09203	LP PM	68
700	5,6	4,2	30	60	BEV 15°	**LU1B 1100**	F03FS05892	WO	34
720	6,4	4,4	40	60	TCG 18°	**LSB72001X**	F03FS09204	LP PM	68
735	6,0	4,4	30	72	ATB 15°	**LU2A 4200**	F03FS05908	WP	47
760	6,2	4,5	30	72	ATB 15°	**LU2A 4300**	F03FS05903	WP	47

Circular saw blades for stationary machines

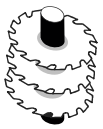
SUITABLE FOR		PERFORMANCE		
		Ultimate	High	Good
Solid wood	 Multirip saw blades for ripping	LM01 - LM10	LM02 - LM03 - LM04 - LM05 - LM06 - LM07 - LM08	
	 Ripping	LU1F - LU1G	LU1C - LU1D - LU1E - LU2A - LU2B - LG1C	
	 Crosscutting	LU2A - LU2B - LU2C- LU2D - LU2F - LU1M	LU2E - LG2C	LU1A - LU1E
	 Ripping and crosscutting		LG2A - LG2B - LU1H - LU34M	LU1B
Laminated	 Saw blades for cutting laminates	LSB X LU3A - LU3B - LU3C - LU3D - LU3E - LU3F	LG3D - LU34M	
	 Scoring saw blades for laminates	LI13MD - LI13MS - LI14MD - LI14MS - LI16M - DLI16M - LI17M - LI20M - LI22MD - LI22MS - LI25M - DLI25M - LI27M		
Wood composites		LSB X LU2C - LU2D - LU2E - LU2F - LU3A - LU3B - LU3C - LU3D - LU3F	LU2A - LU2B - LU3E - LG2A - LG2B - LG2C - LG3D - LU34M	LU1E-LU1H
Veneered		LU3A - LU3B - LU3C - LU3D - LU3E - LU3F	LG3D - LU34M	
Picture frames		LU1I - LU1L		
Non-ferrous metals		LU5F LU5A - LU5B - LU5C - LU5D - LU5E		
Ferrous metals		LU6A		
Plexiglas		LU4A - LU4B		
Plastic materials		LU5F LU4A - LU4B - LU5D - LU5B	LU2C - LU2D - LU2F - LG2C - LU3F	
PVC		LU5F	LU5B - LU5D	
Solid surfaces		LU4D		

Solid Wood

LM01

Thin kerf multiripping saw blades with rakers

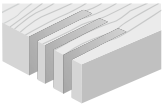
Multiripping Machines



Moulders

Softwood

Hardwood



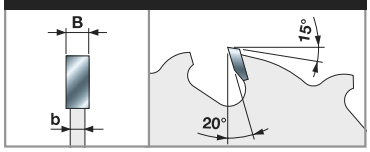
Multiripping

●●● Ultimate ●● High ● Good

D	B	b	d	Z	NL	Freud Code	Art. No.
mm	mm	mm	mm				
180	2,2	1,6	40	16+2	2CH 12x5	**LM01 0100**	F03FS02751
200	2,2	1,6	40	16+2	2CH 12x5	**LM01 0200**	F03FS02753
200	2,2	1,6	50	16+2	2CH 21x5	**LM01 0250**	F03FS09968
200	2,2	1,6	60	16+2	2CH 21x5	**LM01 0300**	F03FS02755
200	2,2	1,6	70	16+2	2CH 21x5	**LM01 0400**	F03FS02757
225	2,2	1,6	70	16+2	4CH 21x5	**LM01 0500**	F03FS02759
250	2,2	1,6	30	20+2	2CH 10x4 + FT02	**LM01 0600**	F03FS02763
250	2,2	1,6	60	20+2	4CH 21x5	**LM01 0700**	F03FS02765
250	2,2	1,6	70	20+2	4CH 21x5	**LM01 0800**	F03FS02767
250	2,2	1,6	80	20+2	2CH 13x5 + 2CH 21x5	**LM01 0900**	F03FS02769
250	2,2	1,6	50	24+2	4CH 21x5	**LM01 1400**	F03FS02780
250	2,2	1,6	60	24+2	4CH 21x5	**LM01 1500**	F03FS02781
250	2,2	1,6	70	24+2	4CH 21x5	**LM01 1600**	F03FS07200
300	2,5	1,8	30	24+2	2CH 10x4 + FT02	**LM01 1000**	F03FS02772
300	2,5	1,8	60	24+2	4CH 21x5	**LM01 1100**	F03FS02774
300	2,5	1,8	70	24+2	4CH 21x5	**LM01 1200**	F03FS02776
300	2,5	1,8	80	24+2	2CH 13x5 + 2CH 21x5	**LM01 1300**	F03FS02778

FT02 : 2/9/46,4 + 2/10/60

HW H01K - Flat tooth

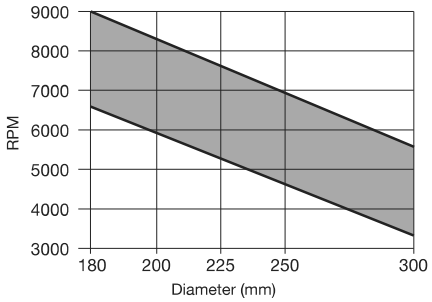


Machines:
Multiripping machines and moulders.

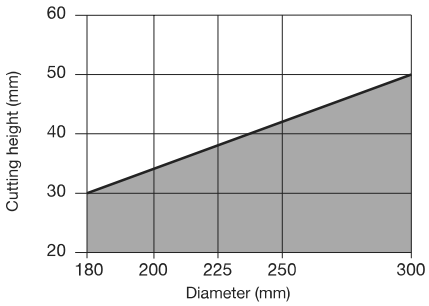
Materials:
Softwood and hardwood, both dried at max 10-12% humidity rate.

Applications:
Multiripping and moulding.

Technical information:
Ripping saw blades where the thin kerf minimises material wastes.
Not suitable for twisted timber.



Minimum and maximum RPM based on the blade diameter.

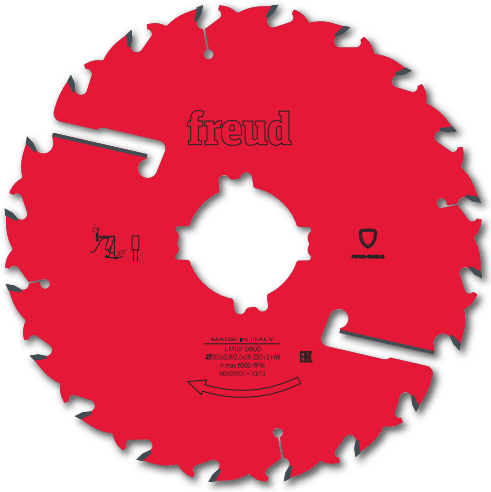


Maximum depth of rip and crosscut based on the blade diameter.

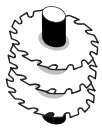
● Solid wood

LM02

Reduced kerf multiripping saw blades with rakers



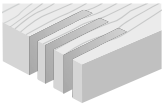
Multiripping Machines



Moulders

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,8	2,0	30	16+2	2CH 10x4 + FT02	**LM02 0100**	F03FS02797
250	2,8	2,0	60	16+2	4CH 21x5	**LM02 0200**	F03FS02799
250	2,8	2,0	70	16+2	4CH 21x5	**LM02 0300**	F03FS02801
250	2,8	2,0	80	16+2	2CH 13x5 + 2CH 21x5	**LM02 0400**	F03FS02803
280	2,8	2,0	80	18+2	2CH 13x5 + 2CH 21x5	**LM02 0500**	F03FS02805
300	2,8	2,0	30	20+2	2CH 10x4 + FT02	**LM02 0600**	F03FS02807
300	2,8	2,0	60	20+2	4CH 21x5	**LM02 0700**	F03FS02809
300	2,8	2,0	70	20+2	4CH 21x5	**LM02 0800**	F03FS02811
300	2,8	2,0	80	20+2	2CH 13x5 + 2CH 21x5	**LM02 0900**	F03FS02813
320	3,0	2,2	30	20+2+2	2CH 10x4 + FT02	**LM02 1000**	F03FS02815
320	3,0	2,2	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM02 1100**	F03FS02817
350	3,0	2,2	30	24+2+2	2CH 10x4 + FT02	**LM02 1200**	F03FS02819
350	3,0	2,2	60	24+2+2	4CH 21x5	**LM02 1300**	F03FS02821
350	3,0	2,2	70	24+2+2	4CH 21x5	**LM02 1400**	F03FS02823
350	3,0	2,2	80	24+2+2	2CH 13x5 + 2CH 21x5	**LM02 1500**	F03FS02825

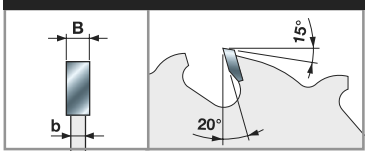
FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

Anti-kickback TECHNOLOGY

HW H01K - Flat tooth

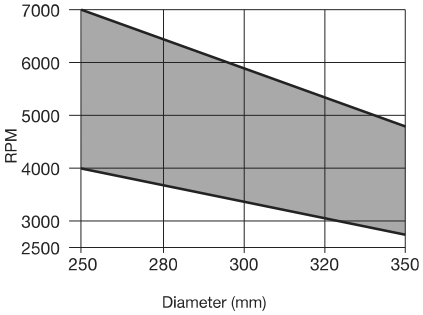


Machines:
Multiripping machines and moulders.

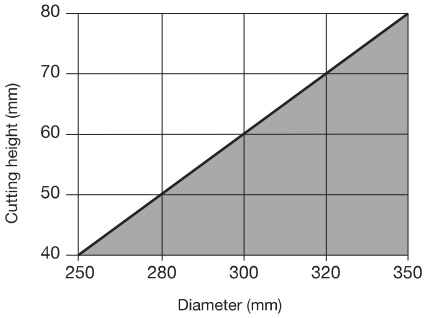
Materials:
Softwood and hardwood, both dried at max 15% humidity rate.

Applications:
Multiripping and moulding.

Technical information:
Ripping saw blades where the reduced kerf minimises material wastes.
Not suitable for twisted timber.



Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

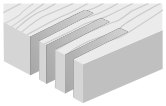
LM03

Reduced kerf multiripping saw blades with rakers

Multiripping Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

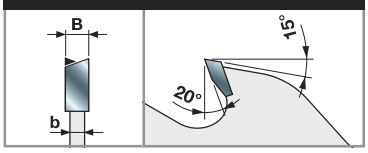
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
225	2,5	1,8	70	16+2+2	4CH 21x5	**LM03 0100**	F03FS02843
250	2,8	2,0	30	16+2+2	2CH 10x4 + FT02	**LM03 0200**	F03FS02845
250	2,8	2,0	60	16+2+2	4CH 21x5	**LM03 0300**	F03FS02847
250	2,8	2,0	70	16+2+2	4CH 21x5	**LM03 0400**	F03FS02849
250	2,8	2,0	80	16+2+2	2CH 13x5 + 2CH 21x5	**LM03 0500**	F03FS02851
280	2,8	2,0	80	18+2+2	2CH 13x5 + 2CH 21x5	**LM03 0600**	F03FS02853
300	2,8	2,0	30	20+2+2	2CH 10x4 + FT02	**LM03 0700**	F03FS02855
300	2,8	2,0	60	20+2+2	4CH 21x5	**LM03 0800**	F03FS02857
300	2,8	2,0	70	20+2+2	4CH 21x5	**LM03 0900**	F03FS02859
300	2,8	2,0	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM03 1000**	F03FS02861
320	3,0	2,2	30	20+2+2	2CH 10x4 + FT02	**LM03 1100**	F03FS02863
320	3,0	2,2	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM03 1200**	F03FS02865
350	3,0	2,2	30	24+2+2	2CH 10x4	**LM03 1300**	F03FS02867
350	3,0	2,2	60	24+2+2	4CH 21x5	**LM03 1400**	F03FS02869
350	3,0	2,2	70	24+2+2	4CH 21x5	**LM03 1500**	F03FS02871
350	3,0	2,2	80	24+2+2	2CH 13x5 + 2CH 21x5	**LM03 1600**	F03FS02873
350	3,0	2,2	90	24+2+2	4CH 20x7	**LM03 1700**	F03FS05808

FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K10S - ATB 10° tooth

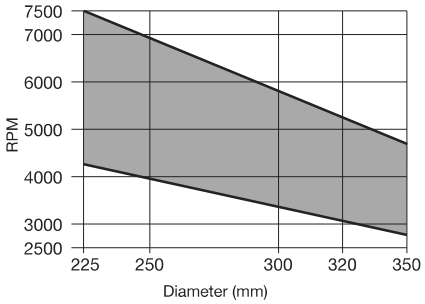


Machines:
Multiripping machines.

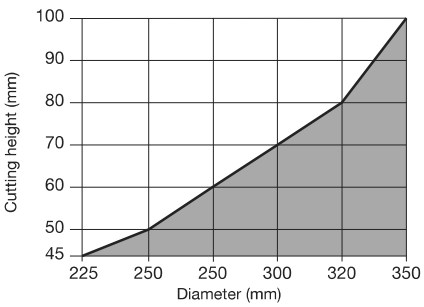
Materials:
Softwood and hardwood, both dried at max 15% humidity rate.

Applications:
Multiripping.

Technical information:
Ripping saw blades where the reduced kerf minimises material wastes.
Not suitable for cutting poplar.



Minimum and maximum RPM based on the blade diameter.

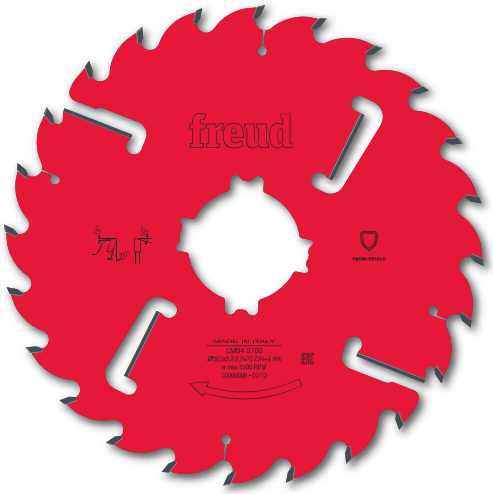


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LM04

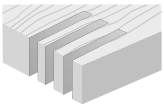
Multiripping saw blades with rakers



Multiripping Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,2	2,2	30	20+2+2	2CH 10x4 + FT02	**LM04 0100**	F03FS02891
250	3,2	2,2	60	20+2+2	4CH 21x5	**LM04 0200**	F03FS02893
250	3,2	2,2	70	20+2+2	4CH 21x5	**LM04 0300**	F03FS02895
250	3,2	2,2	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM04 0400**	F03FS02897
300	3,2	2,2	30	24+2+2	2CH 10x4 + FT02	**LM04 0500**	F03FS02899
300	3,2	2,2	60	24+2+2	4CH 21x5	**LM04 0600**	F03FS02901
300	3,2	2,2	70	24+2+2	4CH 21x5	**LM04 0700**	F03FS02903
300	3,2	2,2	80	24+2+2	2CH 13x5 + 2CH 21x5	**LM04 0800**	F03FS02906
320	3,2	2,2	30	24+2+2	2CH 10x4 + FT02	**LM04 0900**	F03FS02908
320	3,2	2,2	80	24+2+2	2CH 13x5 + 2CH 21x5	**LM04 1000**	F03FS02910
350	3,5	2,5	70	24+2+4	4CH 21x5	**LM04 2400**	F03FS06243
350	3,5	2,5	80	24+2+4	2CH 13x5 + 2CH 21x5	**LM04 2500**	F03FS06244
350	3,5	2,5	30	28+2+4	2CH 10x4 + FT02	**LM04 1100**	F03FS02912
350	3,5	2,5	60	28+2+4	4CH 21x5	**LM04 1200**	F03FS02914
350	3,5	2,5	70	28+2+4	4CH 21x5	**LM04 1300**	F03FS02916
350	3,5	2,5	80	28+2+4	2CH 13x5 + 2CH 21x5	**LM04 1400**	F03FS02919
350	3,5	2,5	90	28+2+4	4CH 21x5	**LM04 2200**	F03FS02935
400	4,0	2,8	30	28+2+4	2CH 10X4 + FT02	**LM04 1500**	F03FS02921
400	4,0	2,8	70	28+2+4	4CH 21x5	**LM04 1600**	F03FS02923
400	4,0	2,8	80	28+2+4	2CH 13x5 + 2CH 21x5	**LM04 1700**	F03FS02926

FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide
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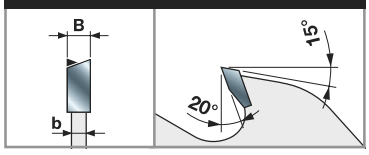
Perma-SHIELD
COATING

HW K10S - ATB 10° tooth

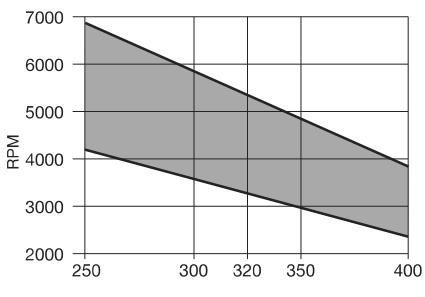


Machines:
Multiripping machines.

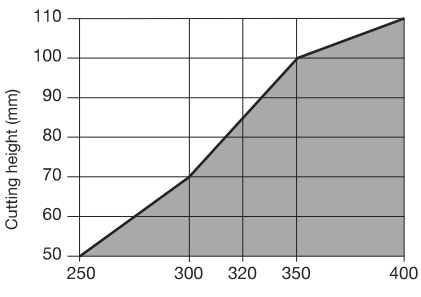
Materials:
Softwood and hardwood, both dried at max 15% humidity rate.

Applications:
Multiripping.

Technical information:
Saw blades suitable for ripping.



Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

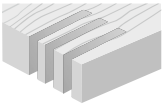
LM05

Multiripping saw blades with rakers

Multiripping Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

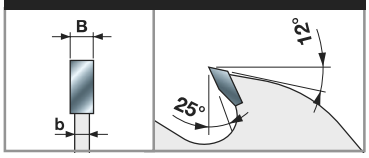
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,4	2,2	30	16+2+2	2CH 10x4 + FT02	**LM05 0100**	F03FS02973
250	3,4	2,2	60	16+2+2	4CH 21x5	**LM05 0200**	F03FS02975
250	3,4	2,2	70	16+2+2	4CH 21x5	**LM05 0300**	F03FS02977
250	3,4	2,2	80	16+2+2	2CH 13x5 + 2CH 21x5	**LM05 0400**	F03FS02979
300	3,4	2,2	30	20+2+2	2CH 10x4 + FT02	**LM05 0500**	F03FS02981
300	3,4	2,2	60	20+2+2	4CH 21x5	**LM05 0600**	F03FS02983
300	3,4	2,2	70	20+2+2	4CH 21x5	**LM05 0700**	F03FS02985
300	3,4	2,2	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM05 0800**	F03FS02990
320	3,4	2,2	30	20+2+2	2CH 10x4 + FT02	**LM05 0900**	F03FS02993
320	3,4	2,2	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM05 1000**	F03FS02995
350	3,7	2,5	30	20+2+4	2CH 10x4 + FT02	**LM05 1100**	F03FS02997
350	3,7	2,5	50	20+2+4	2CH 10x4	**LM05 1200**	F03FS02999
350	3,7	2,5	60	20+2+4	4CH 21x5	**LM05 1300**	F03FS03001
350	3,7	2,5	70	20+2+4	4CH 21x5	**LM05 1400**	F03FS03003
350	3,7	2,5	80	20+2+4	2CH 13x5 + 2CH 21x5	**LM05 1500**	F03FS03005
350	3,7	2,5	90	20+2+4	4CH 21x5	**LM05 4100**	F03FS03060
380	4,0	2,8	30	20+2+4	2CH 10x4 + FT02	**LM05 1600**	F03FS03007
380	4,0	2,8	70	20+2+4	4CH 21x5	**LM05 1700**	F03FS03009
380	4,0	2,8	80	20+2+4	2CH 13x5 + 2CH 21x5	**LM05 1800**	F03FS03011
400	4,0	2,8	30	24+2+4	2CH 10x4 + FT02	**LM05 1900**	F03FS03013
400	4,0	2,8	50	24+2+4	2CH 10x4	**LM05 2000**	F03FS03015
400	4,0	2,8	70	24+2+4	4CH 21x5	**LM05 2100**	F03FS03017
400	4,0	2,8	80	24+2+4	2CH 13x5 + 2CH 21x5	**LM05 2200**	F03FS03019
450	4,4	3,0	30	24+2+4	2CH 10x4 + FT02	**LM05 2400**	F03FS03023
450	4,4	3,0	50	24+2+4	2 CH 10X4	**LM05 2500**	F03FS03025
450	4,4	3,0	70	24+2+4	4CH 21x5	**LM05 2600**	F03FS03027
450	4,4	3,0	80	24+2+4	2CH 13x5 + 2CH 21x5	**LM05 2700**	F03FS03029
500	4,8	3,5	30	28+2+4	FT02+2CH 10x4	**LM05 2900**	F03FS03033
500	4,8	3,5	50	28+2+4	2CH 10x4	**LM05 3000**	F03FS03036
500	4,8	3,5	70	28+2+4	4CH 21x5	**LM05 3100**	F03FS03039
500	4,8	3,5	80	28+2+4	2CH 13x5 + 2CH 21x5	**LM05 3200**	F03FS03041
550	4,8	3,5	30	28+2+4	2CH 10x4 + FT02	**LM05 3400**	F03FS03045
550	4,8	3,5	50	28+2+4	2CH 10x4	**LM05 3500**	F03FS03047
550	4,8	3,5	70	28+2+4	4CH 21x5	**LM05 3600**	F03FS03050
550	4,8	3,5	80	28+2+4	2CH 13x5 + 2CH 21x5	**LM05 3700**	F03FS03052
600	5,2	3,5	30	32+2+4	2CH 10x4	**LM05 4200**	F03FS05860
600	5,2	3,5	35	32+2+4	2CH 21x5	**LM05 4235**	F03FS09976
600	5,2	3,5	80	32+2+4	4CH 21x5	**LM05 3900**	F03FS03056

FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K10S - Flat tooth

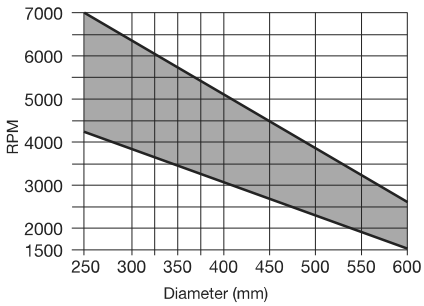


Machines:
Multiripping machines.

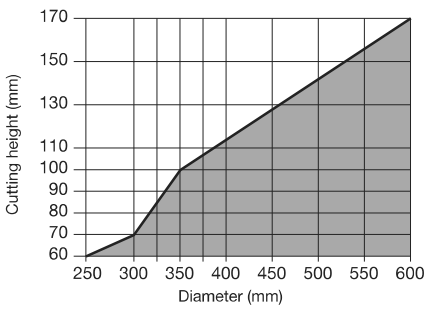
Materials:
Softwood and hardwood and long fibre wood.

Applications:
Multiripping.

Technical information:
Saw blades for ripping extra thick timber. Most suitable for cutting wood with humidity rate over 10%.



Minimum and maximum RPM based on the blade diameter.

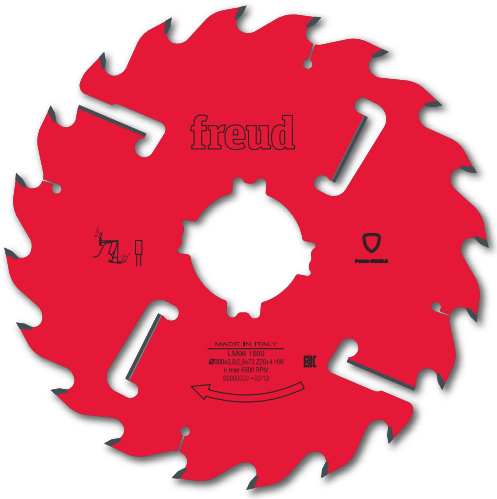


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LM06

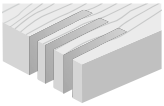
Increased kerf multiripping saw blades with rakers



Multiripping Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

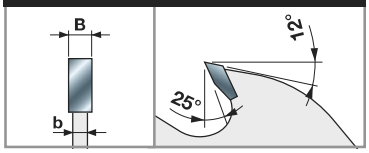
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	4,2	3,0	30	16+2+2	2CH 10x4 + FT02	**LM06 0100**	F03FS03104
250	4,2	3,0	60	16+2+2	4CH 21x5	**LM06 0200**	F03FS03106
250	4,2	3,0	70	16+2+2	4CH 21x5	**LM06 0300**	F03FS03108
250	4,2	3,0	80	16+2+2	2CH 21x5 + 2CH13x5	**LM06 0400**	F03FS03110
300	3,5	2,5	70	20+2+2	4CH 21x5	**LM06 1500**	F03FS03133
300	3,5	2,5	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM06 1600**	F03FS03135
300	4,2	3,0	30	20+2+2	2CH 10x4 + FT02	**LM06 0500**	F03FS03113
300	4,2	3,0	60	20+2+2	4CH 21x5	**LM06 0600**	F03FS03115
300	4,2	3,0	70	20+2+2	4CH 21x5	**LM06 0700**	F03FS03117
300	4,2	3,0	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM06 0800**	F03FS03119
320	4,2	3,0	30	20+2+2	2CH 10x4 + FT02	**LM06 0900**	F03FS03121
320	4,2	3,0	70	20+2+2	4CH 21x5	**LM06 1900**	F03FS03140
320	4,2	3,0	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM06 1000**	F03FS03123
350	4,2	3,0	30	20+2+4	2CH 10x4 + FT02	**LM06 1100**	F03FS03125
350	4,2	3,0	50	20+2+4	2CH 10x4	**LM06 1800**	F03FS03138
350	4,2	3,0	60	20+2+4	4CH 21x5	**LM06 1200**	F03FS03127
350	4,2	3,0	70	20+2+4	4CH 21x5	**LM06 1300**	F03FS03129
350	4,2	3,0	80	20+2+4	2CH 13x5 + 2CH 21x5	**LM06 1400**	F03FS03131

FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K10S - Flat tooth

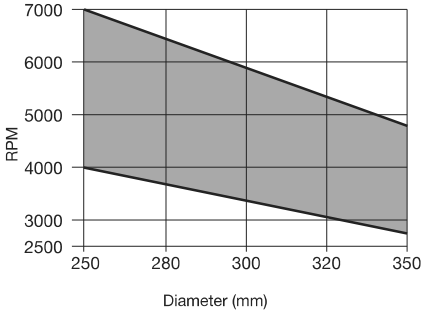


Machines:
Multiripping machines.

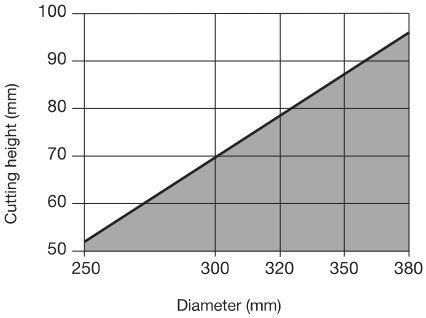
Materials:
Softwood and hardwood, both with humidity rate over 10%, long fibre wood.

Applications:
Multiripping.

Technical information:
Saw blades for ripping extra tick timber.
Suitable for cutting wet wood and wood with high resin content.



Minimum and maximum RPM based on the blade diameter.

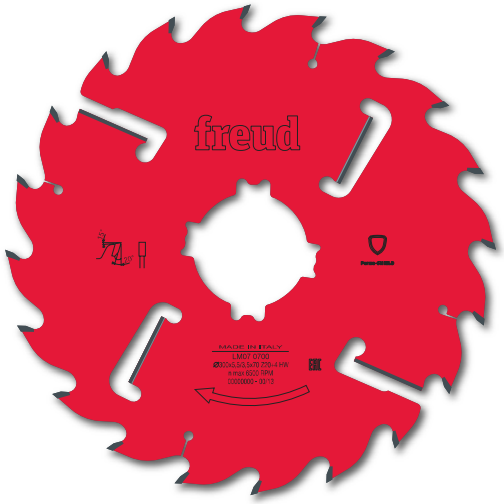


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LM07

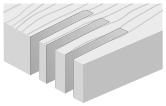
Shoulder thick kerf saw blades with rakers



Multiripping Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

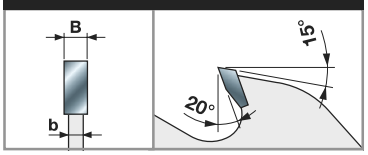
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	5,5	3,5	30	16+2+2	2CH 10x4 + FT02	**LM07 0100**	F03FS03141
250	5,5	3,5	60	16+2+2	4CH 21x5	**LM07 0200**	F03FS03143
250	5,5	3,5	70	16+2+2	4CH 21x5	**LM07 0300**	F03FS03145
250	5,5	3,5	80	16+2+2	2CH 13x5 + 2CH 21x5	**LM07 0400**	F03FS03147
300	5,5	3,5	30	20+2+2	2CH 10x4 + FT02	**LM07 0500**	F03FS03149
300	5,5	3,5	60	20+2+2	4CH 21x5	**LM07 0600**	F03FS03151
300	5,5	3,5	70	20+2+2	4CH 21x5	**LM07 0700**	F03FS03153
300	5,5	3,5	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM07 0800**	F03FS03155
320	5,5	3,5	30	20+2+2	2CH 10x4 + FT02	**LM07 0900**	F03FS03157
320	5,5	3,5	80	20+2+2	2CH 13x5 + 2CH 21x5	**LM07 1000**	F03FS03159
350	5,5	3,5	30	24+2+4	2CH 10x4 + FT02	**LM07 1100**	F03FS03161
350	5,5	3,5	60	24+2+4	4CH 21x5	**LM07 1200**	F03FS03163
350	5,5	3,5	70	24+2+4	4CH 21x5	**LM07 1300**	F03FS03165
350	5,5	3,5	80	24+2+4	4CH 21x5	**LM07 1400**	F03FS03167

FT02 : 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K10S - Flat tooth

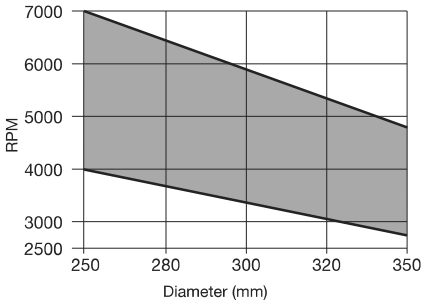


Machines:
Multiripping machines.

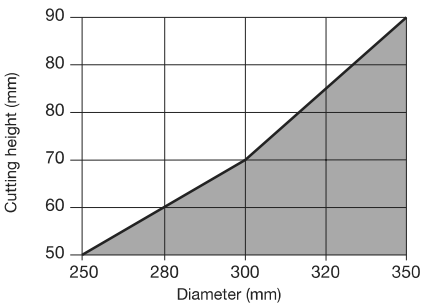
Materials:
Softwood and hardwood.

Applications:
Multiripping.

Technical information:
Ripping saw blades for the correct distribution of lateral forces, created by crooked plank in heavy duty use.
Mounted on multiripping machines as “shoulder blades”.
Suitable for dry and wet wood.



Minimum and maximum RPM based on the blade diameter.



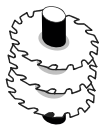
Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

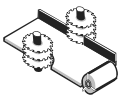
LM08

Ultra-thin kerf multiripping saw blades

Multiripping Machines



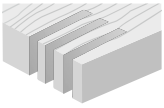
Moulders



Cleaving Machines

Softwood

Hardwood



Multiripping

●●

●●● Ultimate ●● High ● Good

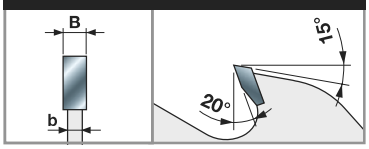
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
180	1,5	1,0	40	24 P	2CH 12x5	**LM08 0100**	F03FS03169
180	1,5	1,0	60	24 P	FT 3/10/75	**LM08 0200**	F03FS03171
200	1,5	1,0	40	28 P	2CH 12x5	**LM08 0300**	F03FS03173
200	1,5	1,0	60	28 P	FT 3/10/75	**LM08 0400**	F03FS03176
200	1,5	1,0	60	36 ATB*	FT 3/10/75	**LM08 0500**	F03FS03179
200	1,7	1,2	50	36 ATB*	-	**LM08 0600**	F03FS03182
200	1,7	1,2	60	36 ATB*	FT 3/10/75	**LM08 2800**	F03FS03240
225	1,5	1,0	40	28 P	2CH 12x5	**LM08 0700**	F03FS03185
225	1,5	1,0	60	28 P	FT 3/10/75	**LM08 0800**	F03FS03188
225	1,5	1,0	70	28 P	2CH 21x5	**LM08 0900**	F03FS03191
225	1,5	1,0	40	36 ATB	2CH 12x5	**LM08 1000**	F03FS03194
225	1,5	1,0	60	36 ATB	FT 3/10/75	**LM08 1100**	F03FS03197
225	1,5	1,0	70	36 ATB	2CH 21x5	**LM08 1200**	F03FS03200
225	1,7	1,2	65	36 ATB	FT 3/10/80	**LM08 1300**	F03FS03203
250	1,7	1,2	40	24 P	2CH 12x5	**LM08 1400**	F03FS03206
250	1,7	1,2	60	24 P	FT 3/10/75	**LM08 1500**	F03FS03209
250	1,7	1,2	70	24 P	2CH 21x5	**LM08 1600**	F03FS03212
250	1,7	1,2	40	36 ATB*	2CH 12x5	**LM08 1700**	F03FS03215
250	1,7	1,2	60	36 ATB*	FT 3/10/75	**LM08 1800**	F03FS03218
250	1,7	1,2	70	36 ATB*	2CH 21x5	**LM08 1900**	F03FS03223
250	2,2	1,6	50	30 ATB*	2CH 21x5	**LM08 2500**	F03FS03237
250	2,2	1,6	60	30 ATB*	2CH 21x5	**LM08 2600**	F03FS03238
250	2,2	1,6	70	30 ATB*	2CH 21x5	**LM08 2700**	F03FS03239
255	1,7	1,2	70	24 P	2CH 21x5	**LM08 2400**	F03FS03236
280	2,2	1,6	60	36 ATB	FT 3/10/75	**LM08 2200**	F03FS03232
300	2,2	1,6	50	36 ATB	-	**LM08 2000**	F03FS03226
300	2,2	1,6	70	36 ATB	2CH 21x5	**LM08 2300**	F03FS03235
350	2,5	1,8	50	40 ATB	-	**LM08 2100**	F03FS03229

FT03 : 2/7/42 + 2/10/60

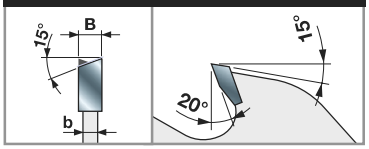
TiCo Carbide MADE BY freud

Perma-SHIELD COATING

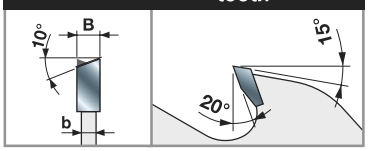
HW H01K - Flat tooth



HW H01K - ATB 15° tooth



HW H01K - ATB 10° tooth *

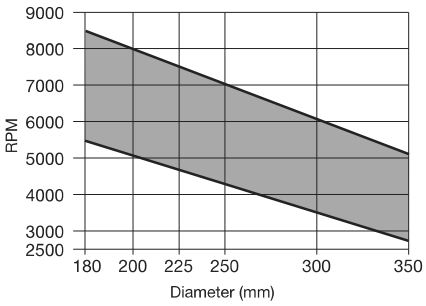


Machines:
Multiripping machines and cleaving machines.

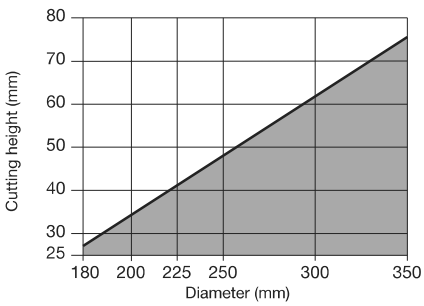
Materials:
Softwood and hardwood, both dried at max 10% humidity rate.

Applications:
Multiripping and moulding.

Technical information:
Ripping saw blades for minimum material waste.
Reboring and optional keyways not available.
A frequent blade cleaning is highly recommended to remove resin deposit.



Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

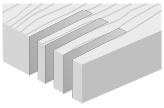
● Solid wood

LM10

Multiripping saw blades with rakers for soft wet wood

Multiripping Machines

Softwood



Multiripping

●●

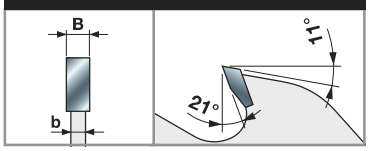
●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
350	3,9	2,5	50	18+2+2	-	**LM1035001**	F03FS07701
400	4,4	3,0	50	18+2+2	-	**LM1040001**	F03FS07702
450	4,8	3,0	50	18+2+4	-	**LM1045001**	F03FS07703
500	5,2	3,5	50	18+2+4	-	**LM1050001**	F03FS07704
560	5,5	3,5	50	18+2+4	-	**LM1056001**	F03FS07705

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K10S - Flat tooth

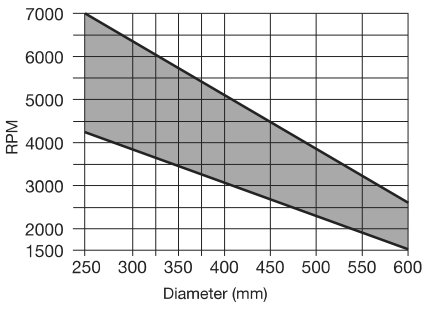


Machines:
Multiripping machines.

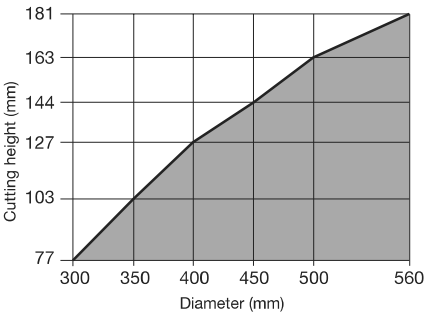
Materials:
Softwood.

Applications:
Multiripping.

Technical information:
Saw blades for ripping extra thick timber.
Most suitable for cutting wet wood and wood with high resin content.
Optimised teeth and rakers geometry for an excellent chip removal.



Minimum and maximum RPM based on the blade diameter.

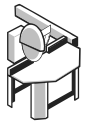


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LU1A

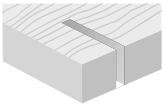
Saw blades for radial and pendulum machines



Radial Arm Saws

Softwood

Hardwood



Crosscutting

●●

●●● Ultimate ●● High ● Good

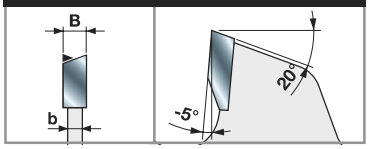
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
300	4,4	3,0	30	36	FT02	**LU1A 0100**	F03FS04572
350	4,4	3,0	30	42	2/10/60	**LU1A 0200**	F03FS04573
400	4,4	3,0	30	48	FT02	**LU1A 0300**	F03FS04574
450	4,4	3,0	30	54	FT03	**LU1A 0400**	F03FS04575
500	4,8	3,2	30	60	2/10/60	**LU1A 0500**	F03FS04576
550	4,8	3,2	30	72	FT03	**LU1A 0600**	F03FS04577
600	5,0	3,5	30	72	FT02	**LU1A 0700**	F03FS04578

FT02 : 2/9/46,4 + 2/10/60 - **FT03 :** 2/7/42 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW K10S - ATB 15° tooth



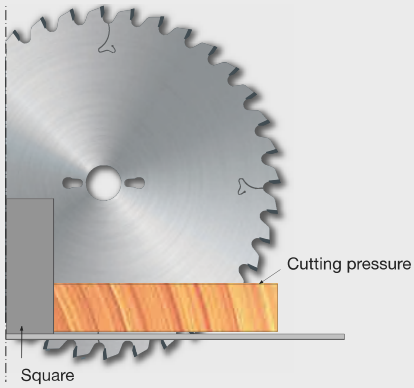
Machines:
Radial arm saws.

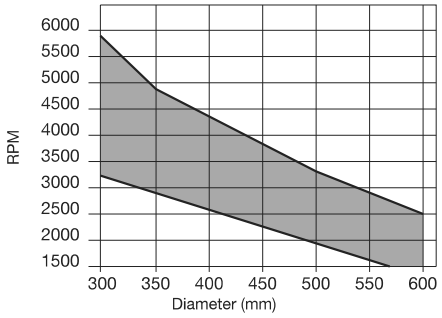
Materials:
Softwood and hardwood.

Applications:
Crosscutting.

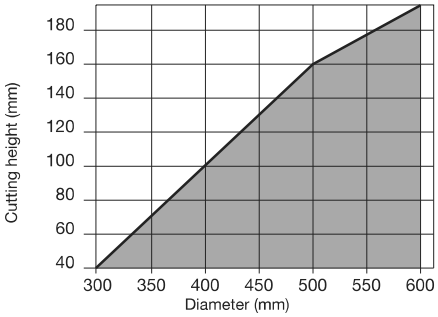
Technical information:
Saw blades suitable for crosscutting.
To be mounted on radial saws and pendulum cutting machines.

Working with spindle over the working plane





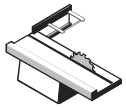
Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LU1B Saw blades for carpentry works



Squaring Saws

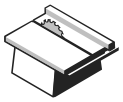


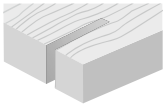
Table Saws

Softwood

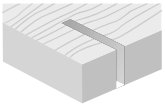
Hardwood

Construction Timber

Shuttering Board



Ripping



Crosscutting

●●● Ultimate ●● High ● Good

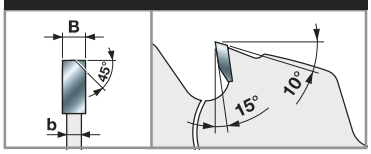
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,4	2,2	30	18	FT01	**LU1B 0100**	F03FS04579
300	3,4	2,2	30	20	FT01	**LU1B 0200**	F03FS04580
315	3,4	2,2	30	20	FT01	**LU1B 0300**	F03FS04582
350	3,7	2,5	30	24	FT02	**LU1B 0400**	F03FS04583
400	4,0	2,8	30	28	2/10/60	**LU1B 0500**	F03FS04585
450	4,2	3,0	30	32	FT03	**LU1B 0600**	F03FS04586
500	4,4	3,2	30	36	FT03	**LU1B 0700**	F03FS04587
550	4,8	3,5	30	44	2/10/60	**LU1B 0800**	F03FS04588
600	5,2	4,0	30	48	FT03	**LU1B 0900**	F03FS04589
650	5,6	4,2	30	54	FT02	**LU1B 1000**	F03FS08324
700	5,6	4,2	30	60	2/10/60	**LU1B 1100**	F03FS05892

FT01 : 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02 :** 2/9/46,4 + 2/10/60 - **FT03 :** 2/7/42 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW K10S - Beveled tooth

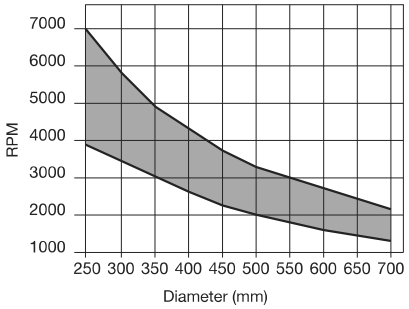


Machines:
Table and squaring saws.

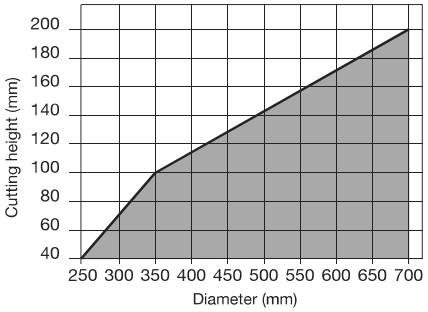
Materials:
Softwood, hardwood and construct wood.

Applications:
Ripping and crosscutting.

Technical information:
Saw blades suitable for ripping and crosscutting.
Optimised tooth shape to cut also construct wood with nails or metal clips.



Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LP70M Saw blades for on-site jobs

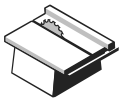


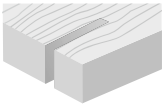
Table Saws

Softwood

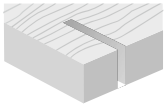
Hardwood

Construction Timber

Shuttering Board



Ripping ●



Crosscutting ●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL - KN	Freud Code	Art. No.
300	2,8	1,8	30	24	2/10/60	**LP70M 001P***	F03FS03762
350	3,0	2,2	30	28	2/10/60	**LP70M 002P***	F03FS03763

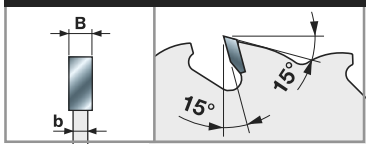
D mm	B mm	b mm	d mm	Z	NL - KN	Freud Code	Art. No.
300	2,6	1,8	25	24	-	**LP70M 004P**	F03FS03766
315	3,2	2,2	30	24	2/10/50	**LP70M 003P**	F03FS03765
315	3,2	2,2	25	48	-	**LP70M 006P**	F03FS03768
400	3,8	2,8	30	28	2/10/60	**LP70M 008P**	F03FS03770
500	4,4	3,2	30	36	2/10/60	**LP70M 010P**	F03FS03772
600	5,2	4,0	30	48	2/10/60	**LP70M 012P**	F03FS03774

TiCo Carbide MADE BY freud

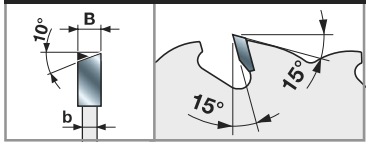
Perma-SHIELD COATING

Anti-kickback TECHNOLOGY

HW K10S - Flat tooth *



HW K10S - ATB 10° tooth



Machines:
Table saws.

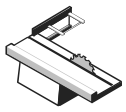
Materials:
Softwood, hardwood and construct wood.

Applications:
Ripping and crosscutting also for on-site job.

Technical information:
Saw blades suitable for ripping and crosscutting, even construction wood with nails or metal clips or metal clips.

LU1C

Saw blades for solid wood ripping

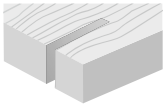


Squaring Saws

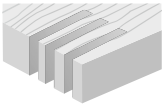
Multiripping Machines

Softwood

Hardwood



Ripping ●●

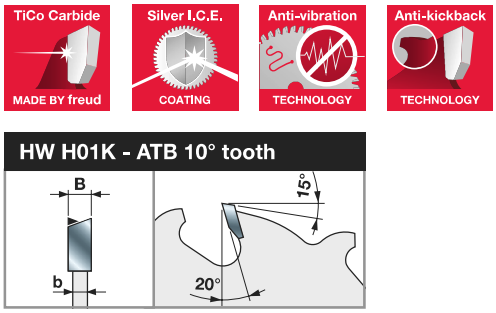


Multiripping ●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL - KN		Freud Code	Art. No.
250	3,2	2,2	30	22	FT01		**LU1C 0100**	F03FS04590
250	3,2	2,2	70	22	4CH 21x5		**LU1C 0200**	F03FS04592
300	3,2	2,2	30	26	FT01		**LU1C 0400**	F03FS04595
300	3,2	2,2	35	26	-		**LU1C 0500**	F03FS04597
300	3,2	2,2	70	26	4CH 21x5		**LU1C 0700**	F03FS04599
315	3,2	2,2	30	28	FT01		**LU1C 0800**	F03FS04601
350	3,5	2,5	30	30	FT02		**LU1C 1000**	F03FS04603
350	3,5	2,5	35	30	-		**LU1C 1100**	F03FS04605
350	3,5	2,5	70	30	4CH 21x5		**LU1C 1200**	F03FS04607
400	4,0	2,8	30	34	2/10/60		**LU1C 1300**	F03FS04609
450	4,4	3,0	30	38	2/10/60		**LU1C 1400**	F03FS04611
500	4,4	3,2	30	42	2/10/60		**LU1C 1500**	F03FS04612
550	4,4	3,5	30	48	2/10/60		**LU1C 1600**	F03FS04613

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60



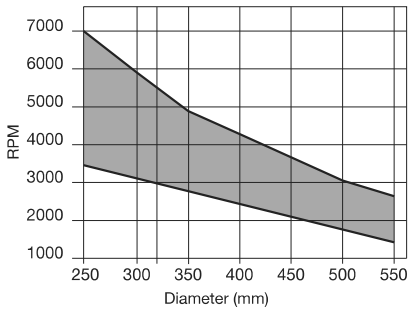
HW H01K - ATB 10° tooth

Machines:
Squaring saws and multiripping machines.

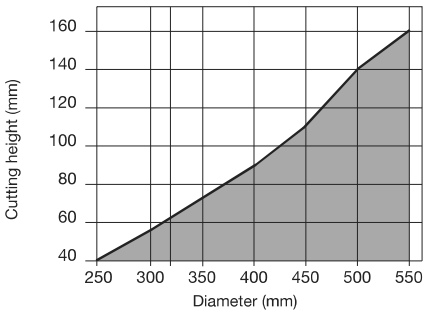
Materials:
Softwood and hardwood.

Applications:
Ripping and multiripping.

Technical information:
Saw blades with anti-kickback technology, suitable for ripping soft and hardwood also with loose knots.



Minimum and maximum RPM based on the blade diameter.

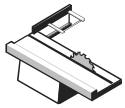


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LU1D

Saw blades for solid wood ripping

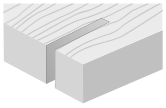


Squaring Saws

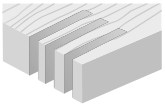
Multiripping Machines

Softwood

Hardwood



Ripping ●●



Multiripping ●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL - KN		Freud Code	Art. No.
250	3,2	2,2	30	24	FT01		**LU1D 0100**	F03FS04615
250	3,2	2,2	70	24	4CH 21x5		**LU1D 0200**	F03FS04617
300	3,2	2,2	30	28	FT01		**LU1D 0500**	F03FS04620
300	3,2	2,2	60	28	4CH 21x5		**LU1D 0600**	F03FS04622
300	3,2	2,2	70	28	4CH 21x5		**LU1D 0800**	F03FS04624
350	3,5	2,5	30	32	FT02		**LU1D 1100**	F03FS04628
350	3,5	2,5	70	32	4CH 21x5		**LU1D 1000**	F03FS04626

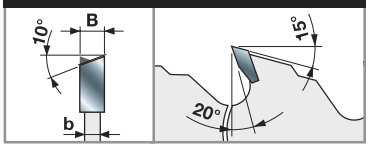
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - ATB 10° tooth

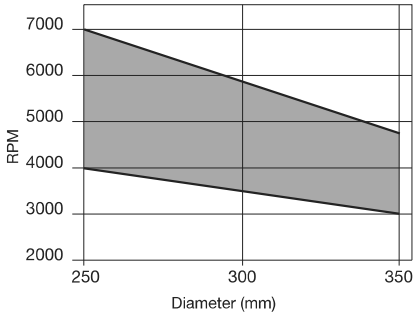


Machines:
Squaring saws and multiripping machines.

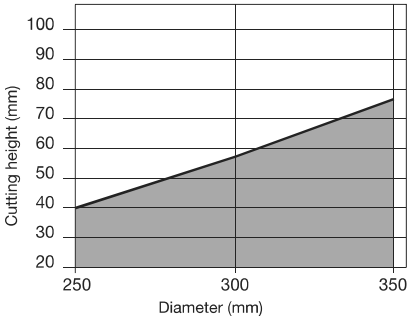
Materials:
Softwood and hardwood.

Applications:
Ripping and multiripping.

Technical information:
Saw blades suitable for ripping soft and hardwood also with loose knots.



Minimum and maximum RPM based on the blade diameter.

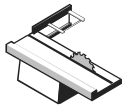


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LU1E

Think kerf saw blades for solid wood ripping



Squaring Saws

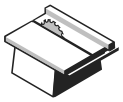
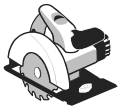


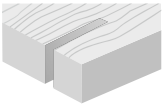
Table Saws



Hand-held Circular Saws

Softwood

Hardwood



Ripping

●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,5	1,6	30	24	FT01	**LU1E 0100**	F03FS04630
300	2,6	1,8	30	24	-	**LU1E 0500**	F03FS04638
300	2,7	1,8	25	28	-	**LU1E 0200**	F03FS04632
300	2,7	1,8	30	28	FT01	**LU1E 0300**	F03FS04634
350	3,0	2,2	30	32	FT01	**LU1E 0400**	F03FS04636

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

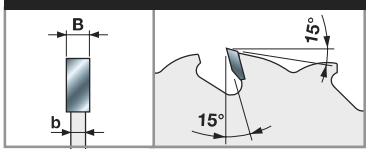
TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

Anti-kickback TECHNOLOGY

HW H01K - Flat tooth

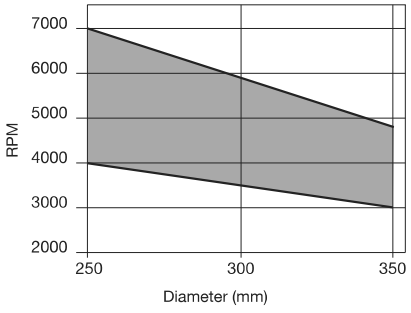


Machines:
Squaring saws and table saws, hand-held circular saws.

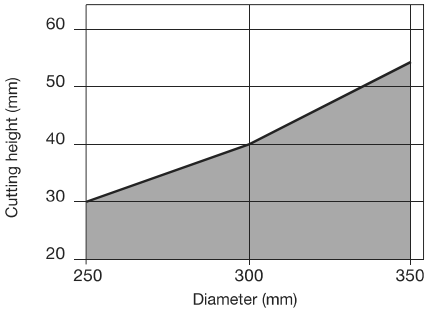
Materials:
Softwood and hardwood.

Applications:
Ripping.

Technical information:
The thin kerf design makes the workpiece feed easy when ripping soft and hard drywood, also with loose knots.
Anti-kickback technology.



Minimum and maximum RPM based on the blade diameter.

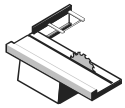


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LU1F

Think kerf saw blades for solid wood ripping



Squaring Saws

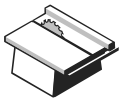
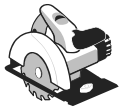


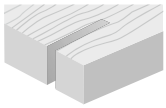
Table Saws



Hand-held Circular Saws

Softwood

Hardwood



Ripping

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,5	1,6	30	24	FT01	**LU1F 0100**	F03FS04640
300	2,7	1,8	30	28	FT01	**LU1F 0200**	F03FS04642
350	3,0	2,2	30	32	FT01	**LU1F 0300**	F03FS04644

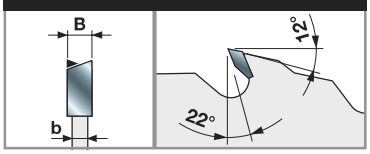
FT01: 2/7/42 + 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - ATB 10° tooth

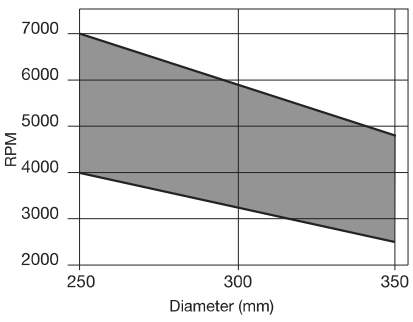


Machines:
Squaring saws and table saws, hand-held circular saws.

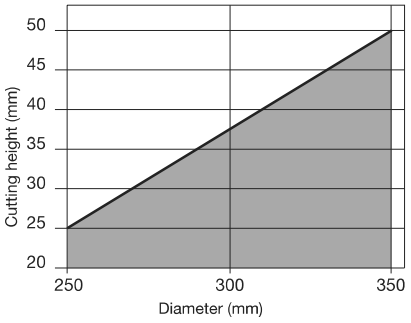
Materials:
Softwood and hardwood.

Applications:
Ripping.

Technical information:
The thin kerf design makes the workpiece feed easy when ripping soft and hard drywood without loose knots.



Minimum and maximum RPM based on the blade diameter.

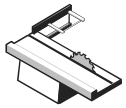


Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

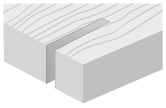
LU1G

Saw blades with rounded teeth sides to cut solid wood



Squaring Saws

Softwood



Ripping

●●● Ultimate ●● High ● Good

D	B	b	d	Z	NL	Freud Code	Art. No.
mm	mm	mm	mm				
250	3,0	2,0	30	40	FT01	LU1G 0100	F03FS04646
300	3,0	2,0	30	48	FT01	LU1G 0200	F03FS04647
350	3,2	2,2	30	60	FT01	LU1G 0300	F03FS04648

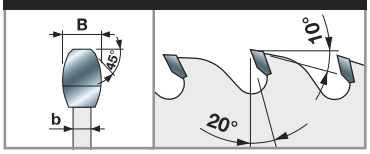
FT01: 2/7/42 + 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Rounded tooth



Machines:
Squaring saws.

Materials:
Softwood.

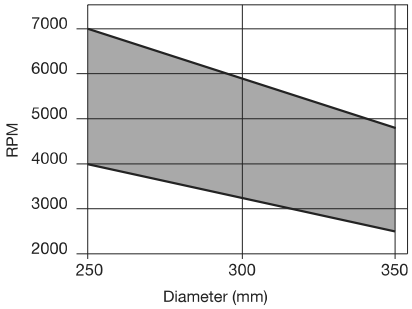
Applications:
Ripping.

Technical information:
Saw blades suitable for ripping with scratchless finishing.
Ideal to achieve a perfectly smooth surface on softwood.

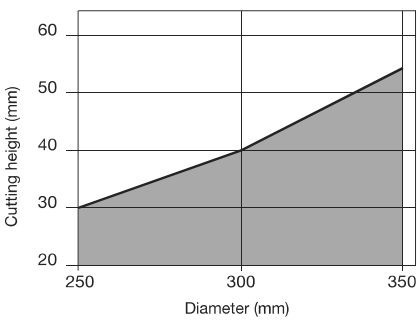
Comparison between the cut of a conventional saw blade and a saw blade equipped with teeth that are rounded on the side.

Conventional saw blades

LU1G saw blades



Minimum and maximum RPM based on the blade diameter.

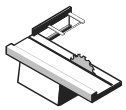


Maximum depth of rip and crosscut based on the blade diameter.

Solid wood

LU1H

Think kerf saw blades for solid wood ripping and crosscutting


Squaring Saws

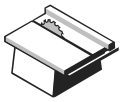
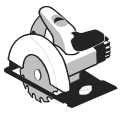


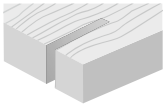
Table Saws

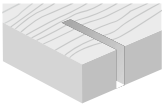

Multiripping Machines

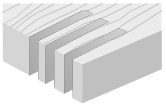

Hand-held Circular Saws


Softwood


Hardwood

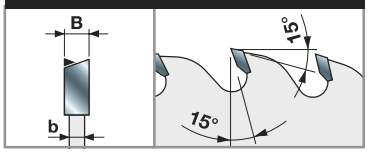

Ripping ●●●


Crosscutting ●●●


Multiripping ●●

●●● Ultimate ●● High ● Good

HW H01K - ATB 15° tooth



Machines:
Squaring saws, table saws and multiripping machines, hand-held circular saws.

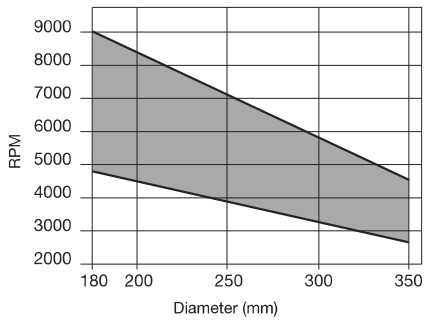
Materials:
Softwood and hardwood.

Applications:
Ripping, crosscutting and multiripping.

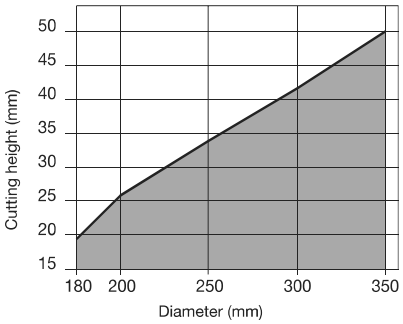
Technical information:
The thin kerf design makes the workpiece feed easy when ripping soft and hard drywood, minimising at the same time material waste.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
180	1,5	1,0	30	40	2/7/42		**LU1H 0100**	F03FS04649
185	1,5	1,0	25,4	40	-		**LU1H 0200**	F03FS04650
200	1,5	1,0	30	40	2/7/42		**LU1H 0300**	F03FS07131
200	1,5	1,0	30	60	2/7/42		**LU1H 0400**	F03FS04651
205	1,5	1,0	25,4	40	-		**LU1H 0500**	F03FS04652
205	1,5	1,0	25,4	60	-		**LU1H 0600**	F03FS04653
250	2,5	1,6	30	48	FT01	≈	**LU1H 0700**	F03FS04655
250	2,5	1,6	30	60	FT01	≈	**LU1H 0800**	F03FS04657
250	2,8	2,0	30	30	2/10/60	≈	**LU1H 1500**	F03FS04670
250	2,8	2,0	30	40	2/10/60	≈	**LU1H 1600**	F03FS07127
300	2,8	2,0	30	36	FT01	≈	**LU1H 1400**	F03FS04668
300	2,8	2,0	30	54	FT01	≈	**LU1H 0900**	F03FS04659
300	2,8	2,0	35	54	-	≈	**LU1H 1000**	F03FS04661
300	2,8	2,0	30	72	FT01	≈	**LU1H 1100**	F03FS04663
350	3,0	2,2	30	60	FT01	≈	**LU1H 1200**	F03FS04665
350	3,0	2,2	30	84	FT01	≈	**LU1H 1300**	F03FS04667

FT01: 2/7/42 + 2/9/46,4 + 2/10/60



Minimum and maximum RPM based on the blade diameter.

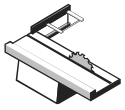


Maximum depth of rip and crosscut based on the blade diameter.

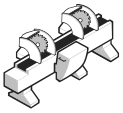
Solid wood

LU1I

Saw blades to cut wood based frames



Squaring Saws

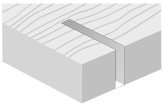


Duble Head Cutting Machines

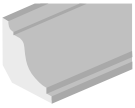
Softwood

Hardwood

MDF



Crosscutting ●●●



Frames Cutting ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
200	2,95	2,5	30	64	2/7/42		**LU1I 0100**	F03FS04673
250	2,95	2,5	20	80	2/6/32		**LU1I 0200**	F03FS04675
250	2,95	2,5	30	80	FT02		**LU1I 0300**	F03FS04677
250	2,95	2,5	30	96	FT02		**LU1I 0400**	F03FS04679
275	2,95	2,5	20	84	2/6/32		**LU1I 0500**	F03FS04681
300	2,95	2,5	30	96	FT02		**LU1I 0600**	F03FS04682
300	2,95	2,5	30	112	FT02		**LU1I 0700**	F03FS04684
330	3,45	3,0	30	96	FT02		**LU1I 0800**	F03FS04686
350	3,45	3,0	30	108	FT02		**LU1I 0900**	F03FS04688

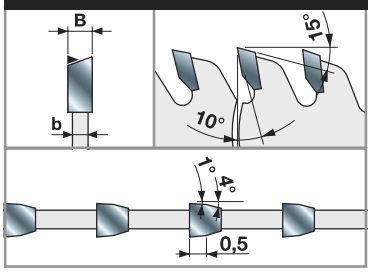
FT02: 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 20° tooth

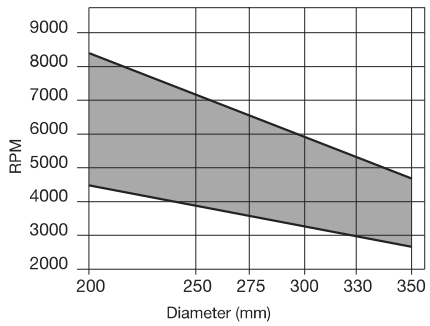


Machines:
Squaring saws and double head cutting machines.

Materials:
Softwood, hardwood and MDF.

Applications:
Crosscutting and wood frames cutting.

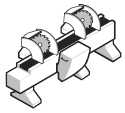
Technical information:
Saw blades suitable for crosscutting of wooden frames or profiled items.
Splintering-free surface and perfect matching of the cut parts guaranteed also if painted, covered by chalk or other delicate and abrasive coatings.



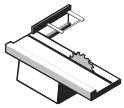
Minimum and maximum RPM based on the blade diameter.

LU1L

Saw blades with axial angle to cut wood based frames



Duble Head Cutting Machines



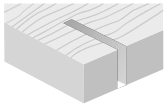
Squaring Saws

Softwood

Hardwood

MDF

Plexiglas



Crosscutting

Frames Cutting

●●● ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,0	2,2	30	100	FT01		**LU1L 0100**	F03FS04690
250	3,0	2,2	30	120	FT01		**LU1L 0200**	F03FS04691
255	3,0	2,2	25,4	100	-		**LU1L 0300**	F03FS04692
255	3,0	2,2	25,4	120	-		**LU1L 0400**	F03FS04693
300	3,0	2,2	30	100	FT01		**LU1L 0500**	F03FS04694
300	3,0	2,2	30	120	FT01		**LU1L 0600**	F03FS04695
305	3,0	2,2	25,4	100	-		**LU1L 0700**	F03FS04696
305	3,0	2,2	25,4	120	-		**LU1L 0800**	F03FS04697
305	3,0	2,2	30	100	-		**LU1L 1100**	F03FS06410
350	3,0	2,2	30	120	FT01		**LU1L 0900**	F03FS04698
355	3,0	2,2	25,4	120	-		**LU1L 1000**	F03FS04699

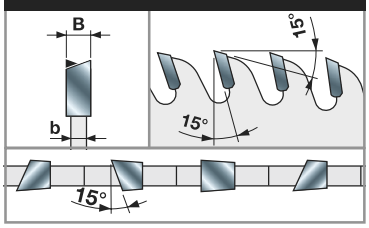
FT01: 2/7/42 + 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - Flat-ATB 10° axial tooth

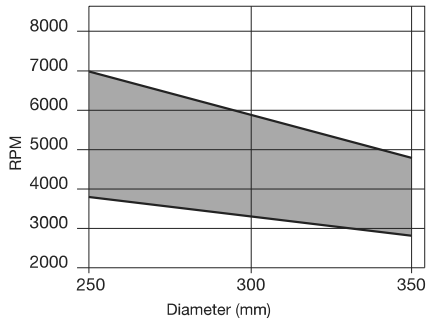


Machines:
Double head cutting machines and squaring saws.

Materials:
Softwood, hardwood, MDF and plexiglas.

Applications:
Crosscutting, wood and wood derivatives frames cutting.

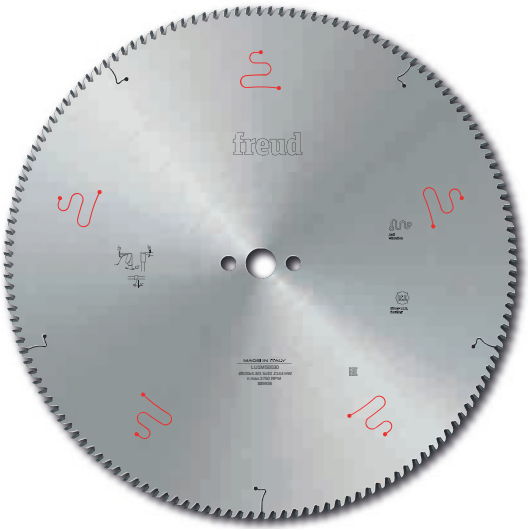
Technical information:
Saw blades ideal for wooden frames and profiles end trims whose front-end cut stays visible.
The axial angle grants splinter-free surfacing, with a perfect matching of the parts, also when painted or covered in chalk and abrasive coatings.



Minimum and maximum RPM based on the blade diameter.

LU1M

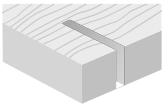
Saw blades for optimising machines



Optimising Machines

Softwood

Hardwood



Crosscutting

●●● Ultimate ●● High ● Good

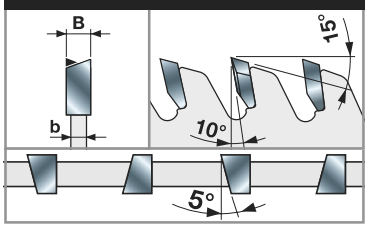
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
500	4,8	3,5	30	144	2/15/63	**LU1M50030**	F03FS09370

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - ATB 25° axial tooth

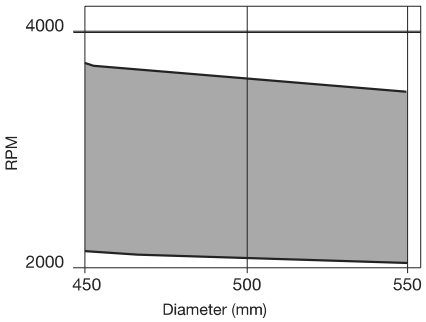


Machines:
Optimising machines.

Materials:
Softwood and hard drywood.

Applications:
Crosscutting at high feedrate.

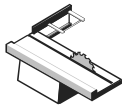
Technical information:
Saw blades suitable for high feedrate and precise crosscutting of single boards of soft and hardwood.



Minimum and maximum RPM based on the blade diameter.

LG1C

Saw blades for solid wood ripping

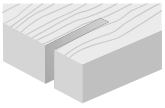


Squaring Saws

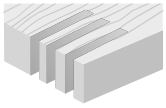
Multiripping Machines

Softwood

Hardwood



Ripping ●●

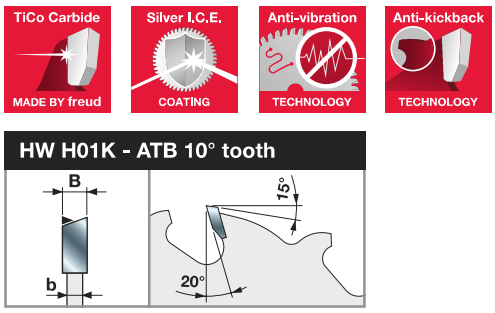


Multiripping ●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,2	2,2	30	22	FT01		**LG1C 0100**	F03FS07559
300	3,2	2,2	30	26	FT01		**LG1C 0400**	F03FS07560
350	3,5	2,5	30	30	FT02		**LG1C 1000**	F03FS07561

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

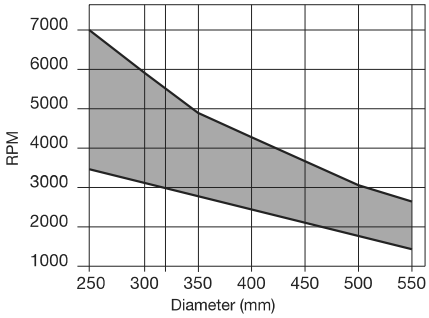


Machines:
Squaring saws and multiripping machines.

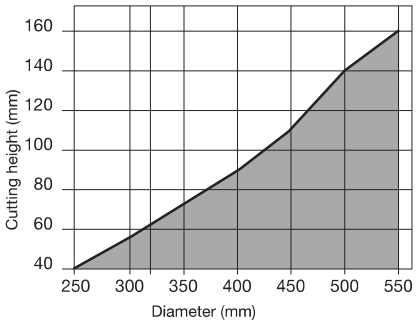
Materials:
Softwood and hardwood.

Applications:
Ripping and multiripping.

Technical information:
Saw blades with anti-kickback technology suitable for ripping soft and hardwood also with loose knots.



Minimum and maximum RPM based on the blade diameter.



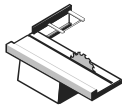
Maximum depth of rip and crosscut based on the blade diameter.

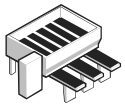
● Solid wood

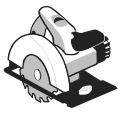
Wood Based Panels

LU2A

Saw blades for wood based panels ripping and crosscutting


Squaring Saws


Horizontal Panel Sizing Machines


Hand-held Circular Saws

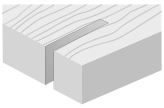

Softwood


Hardwood


Chipboard


Plywood


MDF


Ripping ●●

Crosscutting ●●●

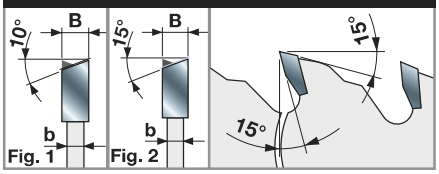
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - ATB 10°/15° tooth

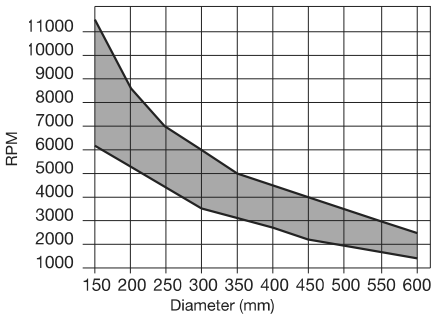


Machines:
Squaring saws and horizontal panel sizing machines, hand-held circular saws.

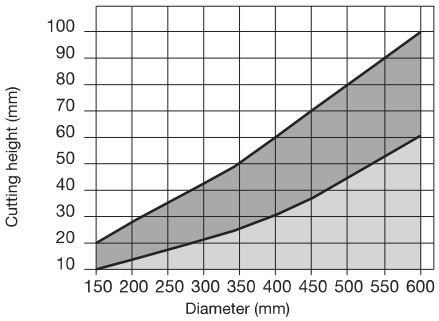
Materials:
Softwood, hardwood, chipboard, plywood and MDF.

Applications:
Ripping and crosscutting.

Technical information:
Saw blades suitable for ripping and crosscutting.



Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood ● Wood-based materials

ATB 10° tooth (Fig. 1)

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
150	3,2	2,2	30	24	2/7/42		**LU2A 0100**	F03FS04806
160	3,2	2,2	20	24	2/6/32		**LU2A 0300**	F03FS04809
180	3,2	2,2	20	24	2/6/32		**LU2A 0400**	F03FS04810
180	3,2	2,2	30	30	2/7/42		**LU2A 0500**	F03FS04811
190	3,2	2,2	30	30	2/7/42		**LU2A 0600**	F03FS04813
200	3,2	2,2	30	34	2/7/42		**LU2A 0800**	F03FS04817
200	3,2	2,2	35	34	-		**LU2A 0900**	F03FS04819
210	3,2	2,2	30	34	2/7/42		**LU2A 1100**	F03FS04822
216	3,2	2,2	30	34	-		**LU2A 1200**	F03FS04823
220	3,2	2,2	30	34	2/7/42		**LU2A 1300**	F03FS04824
230	3,2	2,2	30	34	2/7/42		**LU2A 1500**	F03FS04827
250	3,2	2,2	30	30	FT01		**LU2A 1600**	F03FS04828
250	3,2	2,2	30	40	FT01		**LU2A 1700**	F03FS04830
250	3,2	2,2	35	40	-		**LU2A 1800**	F03FS04832
250	3,2	2,2	80	40	-		**LU2A 1880**	F03FS09971
300	3,2	2,2	30	36	FT01		**LU2A 1900**	F03FS04834
300	3,2	2,2	30	48	FT01		**LU2A 2100**	F03FS04840
300	3,2	2,2	35	48	-		**LU2A 2300**	F03FS04843
315	3,2	2,2	30	48	FT01		**LU2A 2400**	F03FS04844
350	3,5	2,5	30	54	FT02		**LU2A 2800**	F03FS04849
350	3,5	2,5	35	54	-		**LU2A 3000**	F03FS04851
400	4,0	2,8	30	60	2/10/60		**LU2A 3300**	F03FS04856
400	4,0	2,8	35	60	-		**LU2A 3400**	F03FS04858
450	4,4	3,0	30	54	2/10/60		**LU2A 3500**	F03FS04860
450	4,4	3,0	30	66	2/10/60		**LU2A 3600**	F03FS04862
500	4,4	3,2	30	72	2/10/60 + 2/10/80		**LU2A 3800**	F03FS04865
550	4,8	3,5	30	84	2/10/60 + 2/10/80		**LU2A 3900**	F03FS04867
600	5,4	4	30	96	2/10/80		**LU2A 4000**	F03FS04868
735	6,0	4,4	30	72	2/8,5/90		**LU2A 4200***	F03FS05908
760	6,2	4,5	30	72	2/8,5/90		**LU2A 4300***	F03FS05903

* HW K10S

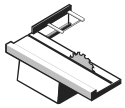
ATB 15° tooth (Fig. 2)

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
160	3,2	2,2	20	18	2/6/32		**LU2A 0200**	F03FS04808
160	2,2	1,6	20	24	-		**LU2A 0301**	F03FS09233
200	3,2	2,2	30	24	2/7/42		**LU2A 0700**	F03FS04814
210	3,2	2,2	30	24	2/7/42		**LU2A 1000**	F03FS04821
230	3,2	2,2	30	24	2/7/42		**LU2A 1400**	F03FS04826
350	3,5	2,5	30	42	FT02		**LU2A 2500**	F03FS04845
350	3,5	2,5	35	42	-		**LU2A 2600**	F03FS04847
400	4,0	2,8	50	48	6/5,5/80 + 1/6/80		**LU2A 3150**	F03FS09578
400	4,0	2,8	30	48	2/10/60		**LU2A 3100**	F03FS04853
500	4,4	3,2	30	60	2/10/60 + 2/10/80		**LU2A 3700**	F03FS04864

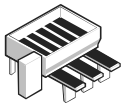
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

LU2B

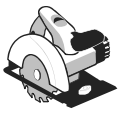
Saw blades for wood based panels ripping & crosscutting



Squaring Saws



Horizontal Panel Sizing Machines



Hand-held Circular Saws

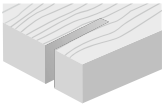
Softwood

Hardwood

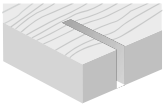
Chipboard

Plywood

MDF



Ripping



Crosscutting

●● ●●●

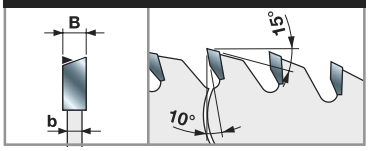
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 15° tooth



Machines:
Squaring saws and horizontal panel sizing machines, hand-held circular saws.

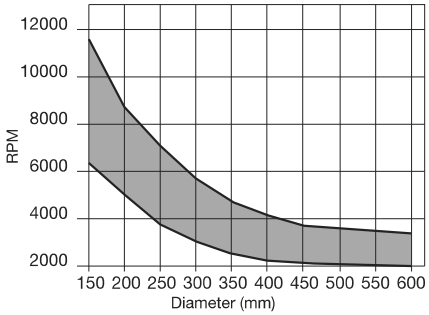
Materials:
Softwood, hardwood, chipboard, plywood and MDF.

Applications:
Ripping and crosscutting.

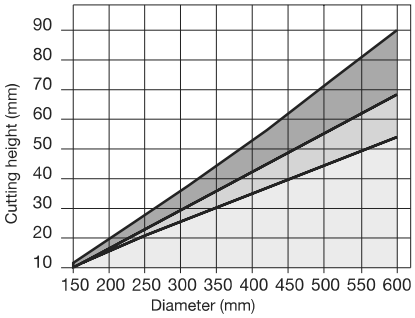
Technical information:
Saw blades suitable for ripping and crosscutting.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
150	3,2	2,2	30	36	2/7/42		**LU2B 0100**	F03FS04869
180	3,2	2,2	30	42	2/7/42		**LU2B 0200**	F03FS04871
200	3,2	2,2	30	48	2/7/42		**LU2B 0300**	F03FS04873
216	3,2	2,2	30	48	-		**LU2B 0400**	F03FS04876
250	3,2	2,2	30	48	FT01		**LU2B 0500**	F03FS04877
250	3,2	2,2	30	60	FT01		**LU2B 0700**	F03FS04880
250	3,2	2,2	35	60	-		**LU2B 0800**	F03FS04882
300	3,2	2,2	30	60	FT01		**LU2B 0900**	F03FS04884
300	3,2	2,2	30	72	FT01		**LU2B 1100**	F03FS04887
300	3,2	2,2	35	72	-		**LU2B 1200**	F03FS04889
315	3,2	2,2	30	72	FT01		**LU2B 1300**	F03FS04891
350	3,5	2,5	30	72	FT02		**LU2B 1400**	F03FS04893
350	3,5	2,5	30	84	FT02		**LU2B 1600**	F03FS04895
350	3,5	2,5	35	84	-		**LU2B 2400**	F03FS04905
400	4,0	2,8	30	96	2/10/60		**LU2B 1900**	F03FS04897
450	4,4	3,0	30	96	2/10/60		**LU2B 2000**	F03FS04899
500	4,4	3,2	30	108	2/10/60 + 2/10/80		**LU2B 2100**	F03FS04901
550	4,8	3,5	30	120	2/10/60 + 2/10/80		**LU2B 2200**	F03FS04903
600	5,4	4,0	30	132	2/10/80		**LU2B 2300**	F03FS04904

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60



Minimum and maximum RPM based on the blade diameter.

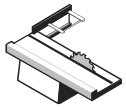


Maximum depth of rip and crosscut based on the blade diameter.

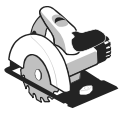
Solid wood Wood-based materials Plywood

LU2C

Saw blades for wood based panels crosscutting



Squaring Saws



Hand-held Circular Saws

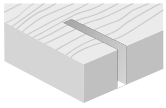
Softwood

Hardwood

Chipboard

Laminated MDF

Thermoplastic Composites



Crosscutting

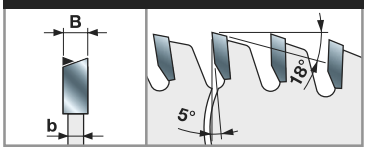
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 15° tooth



Machines:
Squaring saws, hand-held circular saws.

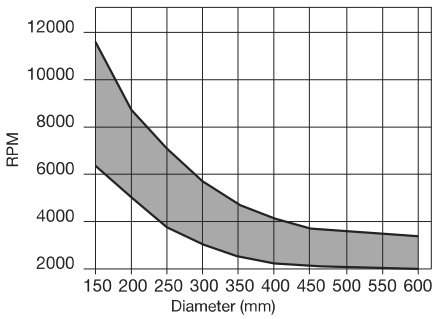
Materials:
Softwood, hardwood, chipboard, laminated MDF and thermoplastic composites.

Applications:
Crosscutting.

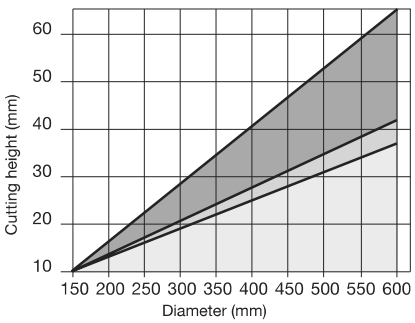
Technical information:
Saw blades suitable for crosscutting.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
150	3,2	2,2	30	48	2/7/42		**LU2C 0100**	F03FS04908
160	2,2	1,6	20	48	2/6/32	∿	**LU2C 0001**	F03FS09065
160	3,2	2,2	20	48	2/6/32		**LU2C 0200**	F03FS04910
180	3,2	2,2	20	56	2/6/32		**LU2C 0300**	F03FS04911
180	3,2	2,2	30	56	2/7/42		**LU2C 0400**	F03FS04912
190	3,2	2,2	30	56	2/7/42		**LU2C 0500**	F03FS04914
200	3,2	2,2	30	64	2/7/42		**LU2C 0600**	F03FS04915
200	3,2	2,2	40	64	-		**LU2C 0640**	F03FS09972
210	3,2	2,2	30	64	2/7/42		**LU2C 0700**	F03FS04917
216	3,2	2,2	30	64	2/7/42		**LU2C 0800**	F03FS04918
220	3,2	2,2	30	64	2/7/42		**LU2C 0900**	F03FS04919
230	3,2	2,2	30	64	2/7/42	∿	**LU2C 1000**	F03FS04921
250	3,2	2,2	30	80	FT01	∿	**LU2C 1200**	F03FS04922
250	3,2	2,2	30	100	FT01	∿	**LU2C 1300**	F03FS04924
300	3,2	2,2	30	96	FT01	∿	**LU2C 1500**	F03FS04927
300	3,2	2,2	35	96	-	∿	**LU2C 1600**	F03FS04930
300	3,2	2,2	30	120	FT01	∿	**LU2C 1700**	F03FS04932
330	3,2	2,2	20	96	2/6/32	∿	**LU2C 1800**	F03FS04934
350	3,5	2,5	30	108	FT02	∿	**LU2C 2000**	F03FS04936
400	3,8	2,8	30	120	2/10/60	∿	**LU2C 2100**	F03FS04938
450	4,4	3,0	30	132	FT02	∿	**LU2C 2200**	F03FS04939
500	4,4	3,2	30	144	2/10/60 + 2/10/80	∿	**LU2C 2300**	F03FS04940
500	4,4	3,2	35	144	-	∿	**LU2C 2335**	F03FS09975
550	4,8	3,5	30	156	2/10/60 + 2/10/80	∿	**LU2C 2400**	F03FS04942
600	5,4	4,0	30	168	2/10/80	∿	**LU2C 2500**	F03FS04943

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60



Minimum and maximum RPM based on the blade diameter.

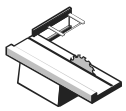


Maximum depth of rip and crosscut based on the blade diameter.

Solid wood Wood-based materials Plywood

LU2D

Thin kerf saw blades for wood based panels crosscutting


Squaring Saws

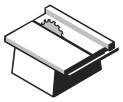
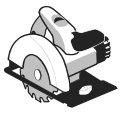


Table Saws


Multiripping Machines


Hand-held Circular Saws


Softwood

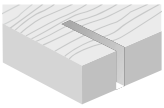

Hardwood


Chipboard


MDF


Laminated MDF


Thermoplastic Composites


Crosscutting

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
150	2,0	1,4	30	48	2/7/42		**LU2D 0100**	F03FS04944
180	2,0	1,4	30	56	2/7/42		**LU2D 0200**	F03FS04948
180	2,0	1,4	40	56	-		**LU2D 0300**	F03FS04950
200	2,2	1,6	30	64	2/7/42		**LU2D 0400**	F03FS04952
250	2,5	1,8	20	80	2/6/32	≈	**LU2D 0500**	F03FS04954
250	2,5	1,8	30	80	FT01	≈	**LU2D 0700**	F03FS04957
300	2,7	1,8	30	96	FT01	≈	**LU2D 0900**	F03FS04959
350	3,0	2,2	30	108	FT01	≈	**LU2D 1100**	F03FS04963

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

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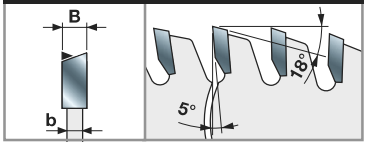
Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 15° tooth

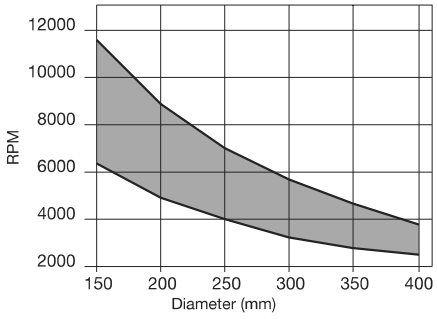


Machines:
Squaring saws, table saws and multiripping machines, hand-held circular saws.

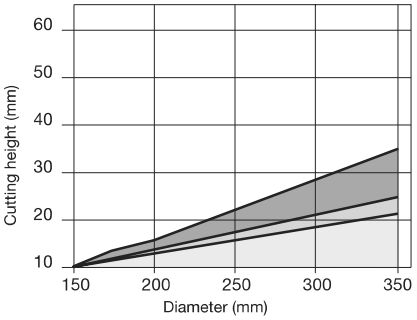
Materials:
Softwood, hardwood, chipboard, laminated MDF and thermoplastic composites.

Applications:
Crosscutting.

Technical information:
The thin kerf design makes the workpiece feed easy when crosscutting soft and hard drywood, minimising at the same time material wastes.



Minimum and maximum RPM based on the blade diameter.

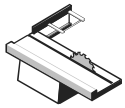


Maximum depth of rip and crosscut based on the blade diameter.

Solid wood Wood-based materials Plywood

LU2E

Saw blades to cut exotic abrasive wood and panels



Squaring Saws

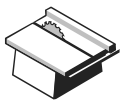
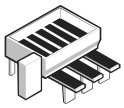


Table Saws



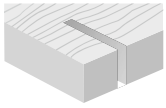
Horizontal Panel Sizing Machines

Softwood

Hardwood

Laminated Chipboard

Laminated MDF



Crosscutting

●●

●●● Ultimate ●● High ● Good

D	B	b	d	Z	NL		Freud Code	Art. No.
mm	mm	mm	mm					
300	3,2	2,2	30	60	FT01		**LU2E 0200**	F03FS04965
300	3,2	2,2	30	72	FT01		**LU2E 0400**	F03FS04967
350	3,5	2,5	30	72	FT02		**LU2E 0500**	F03FS04970

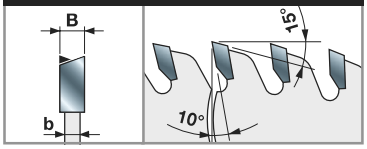
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00XA - ATB 15° tooth

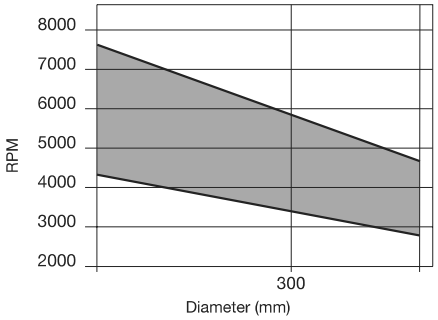


Machines:
Squaring saws, table saws and horizontal panel sizing machines.

Materials:
Softwood, hardwood, laminated chipboard and laminated MDF.

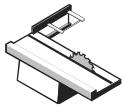
Applications:
Crosscutting and panel sizing.

Technical information:
Good finishing in softwood and hardwood crosscutting.
Suitable also for chipboard (up to 50 mm thickness) and single-side laminated MDF (up to 30 mm thickness).



Maximum depth of rip and crosscut based on the blade diameter.

LU2F Saw blades to cut wood based panels, composites and plastic materials


Squaring Saws

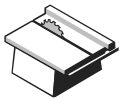
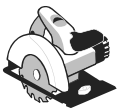


Table Saws


Hand-held Circular Saws


Mitre Saws

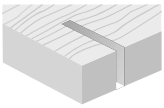

Softwood


Hardwood


Laminated Chipboard


Laminated MDF


Thermoplastic Composites


Crosscutting

●●● Ultimate ●● High ● Good

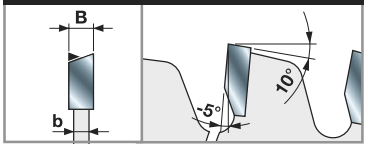
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
216	2,8	2,0	30	24	-	**LU2F 0100**	F03FS06304
216	2,8	2,0	30	48	-	**LU2F 0200**	F03FS04971
216	2,8	2,0	30	60	-	**LU2F 0300**	F03FS04972
250	2,8	2,0	30	48	-	**LU2F 0400**	F03FS04973
250	2,8	2,0	30	60	-	**LU2F 0500**	F03FS04974

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 10° tooth

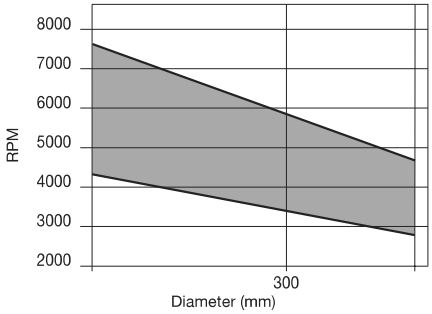


Machines:
Squaring saws and table saws, hand-held circular saws and mitre saws.

Materials:
Softwood, hardwood, laminated chipboard panels, laminated MDF and thermoplastic composites.

Applications:
Crosscutting and panel sizing.

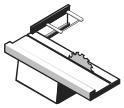
Technical information:
To size bilaminated single panels without the use of the scoring saw blade, with good finishing and long cutting life.



Minimum and maximum RPM based on the blade diameter.

LG2A

Saw blades for wood based panels ripping & crosscutting



Squaring Saws

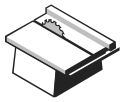


Table Saws

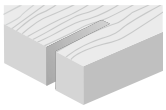
Softwood

Hardwood

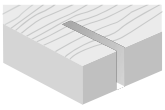
Plywood

Chipboard

MDF



Ripping



Crosscutting

●● ●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,2	2,2	30	40	FT01		**LG2A 1700**	F03FS07562
300	3,2	2,2	30	36	FT01		**LG2A 1900**	F03FS07563
300	3,2	2,2	30	48	FT01		**LG2A 2100**	F03FS07564
350	3,5	2,5	30	54	FT02		**LG2A 2800**	F03FS07565

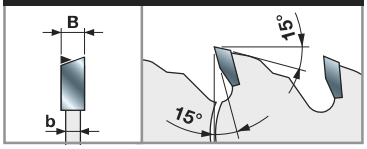
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - ATB 10° tooth

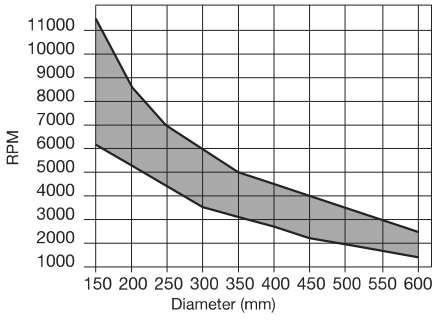


Machines:
Squaring saws and table saws.

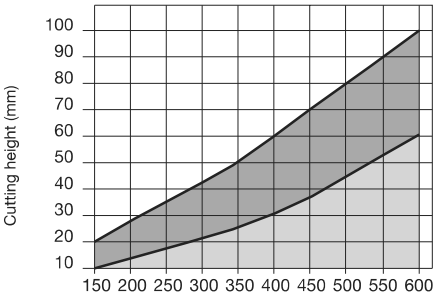
Materials:
Softwood, hardwood, plywood, chipboard and MDF.

Applications:
Ripping and crosscutting.

Technical information:
Saw blades suitable for ripping and crosscutting.



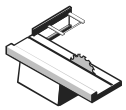
Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood

LG2B Saw blades for wood based panels ripping and crosscutting



Squaring Saws

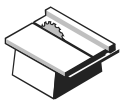


Table Saws

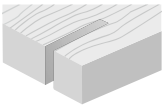
Softwood

Hardwood

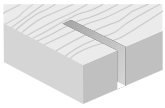
Plywood

Chipboard

MDF



Ripping



Crosscutting

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,2	2,2	30	60	FT01		**LG2B 0700**	F03FS07566
300	3,2	2,2	30	60	FT01		**LG2B 0900**	F03FS07567
300	3,2	2,2	30	72	FT01		**LG2B 1100**	F03FS07439
350	3,5	2,5	30	72	FT02		**LG2B 1400**	F03FS07568
350	3,5	2,5	30	84	FT02		**LG2B 1600**	F03FS07569

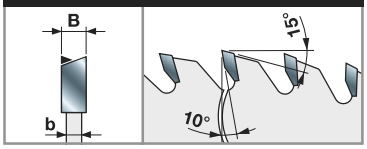
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 15° tooth

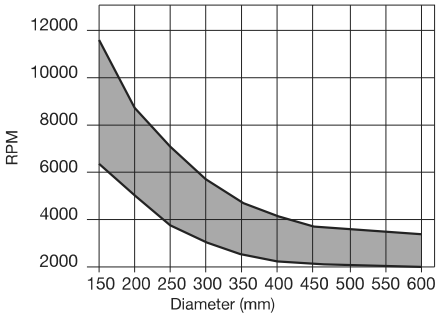


Machines:
Squaring saws and table saws.

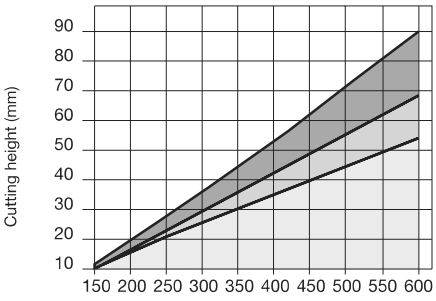
Materials:
Softwood, hardwood, plywood, chipboard and MDF.

Applications:
Ripping and crosscutting.

Technical information:
Saw blades suitable for ripping and crosscutting.



Minimum and maximum RPM based on the blade diameter.

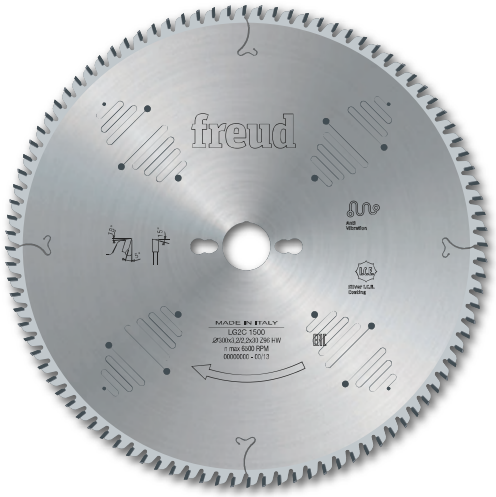


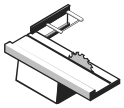
Maximum depth of rip and crosscut based on the blade diameter.

Solid wood Wood-base materials Plywood

LG2C

Saw blades for wood based panels crosscutting





Squaring Saws

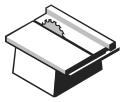


Table Saws

Softwood

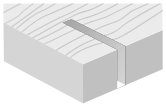
Hardwood

Chipboard

MDF

Laminated MDF

Thermoplastic Composites



Crosscutting

●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	FT01	**LG2C 1200**	F03FS07570
300	3,2	2,2	30	96	FT01	**LG2C 1500**	F03FS07571
350	3,5	2,5	30	108	FT02	**LG2C 2000**	F03FS07572

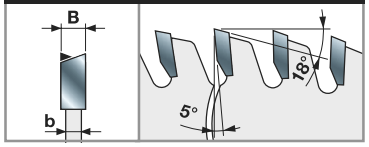
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00K - ATB 15° tooth

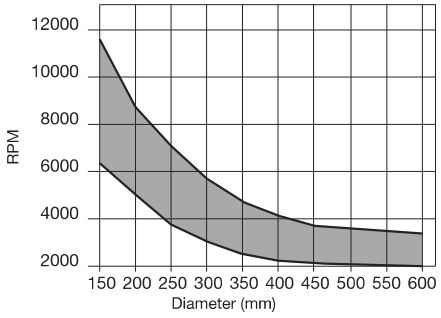


Machines:
Squaring saws and table saws.

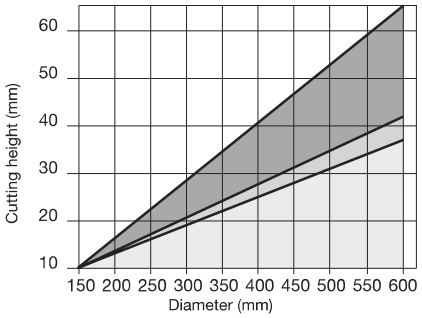
Materials:
Softwood, hardwood, chipboard, MDF, laminated MDF and thermoplastic composites.

Applications:
Crosscutting.

Technical information:
The thin kerf design makes the workpiece feed easy when crosscutting soft and hard drywood, minimising at the same time material wastes.



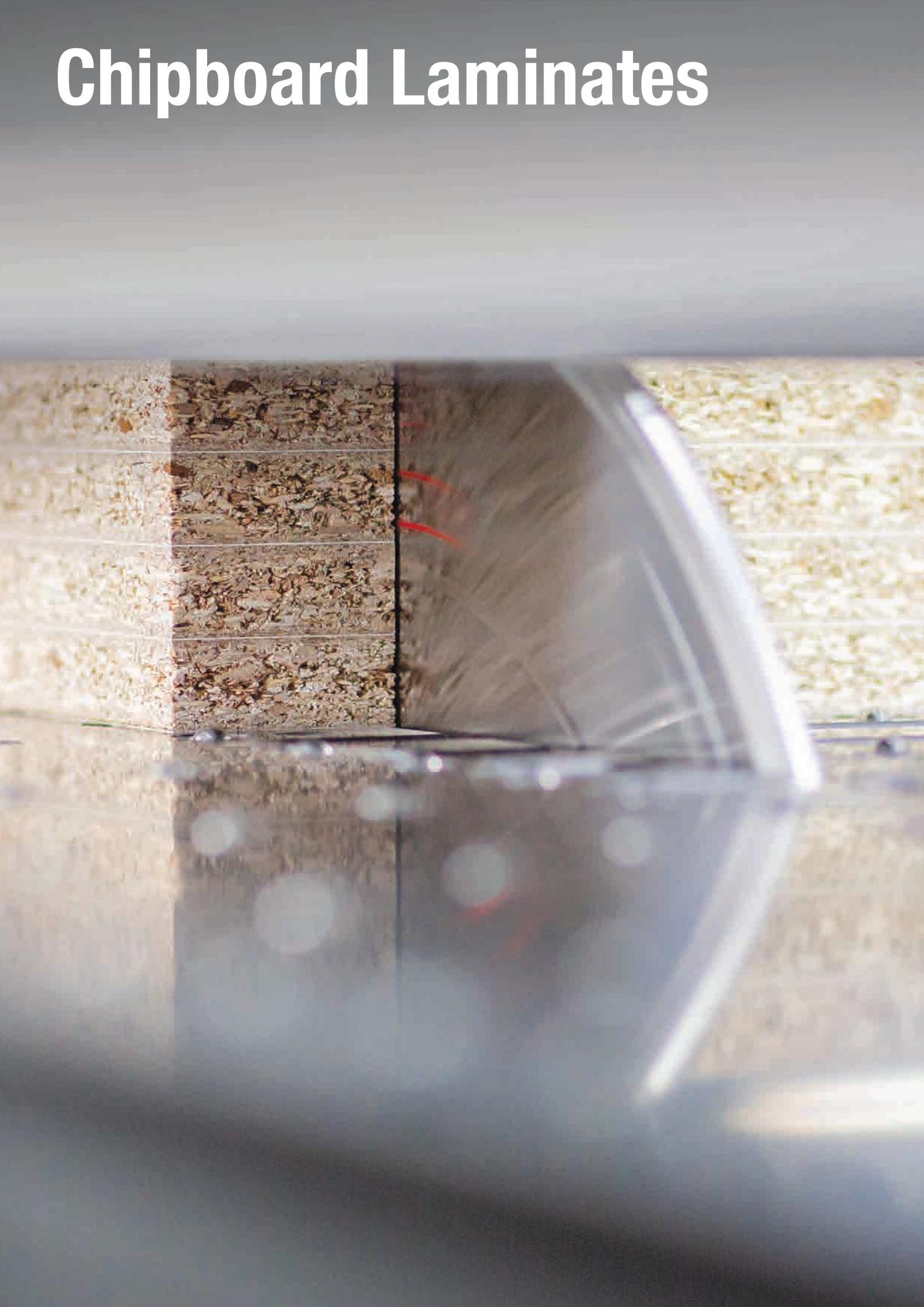
Minimum and maximum RPM based on the blade diameter.



Maximum depth of rip and crosscut based on the blade diameter.

● Solid wood ● Wood-based materials ● Plywood

Chipboard Laminates



Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
BIESSE-SELCO												
EB 70 (L)	Main blade	300	4,4	3,0	65	60	TCG	15°	15°	2/9/110	**LSB30002X**	F03FS09159
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf.scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
EB 70 (KIT 80), 75 (SEKTOR 430), 80 (SEKTOR 450), SK350, SK450	Main blade	320	4,4	3,2	65	60	TCG	15°	15°	2/9/110	**LSB32003X**	F03FS09161
	Main blade	320	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	**LSB32001X**	F03FS07805
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
WN2, WN230, SK230	Main blade	320	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	**LSB32001X**	F03FS07805
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
WN 250	Maine blade	350	4,4	3,2	65	72	TCG	15°	15°	2/9/110	**LSB35013X**	F03FS09659
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
EB 95, SEKTOR 470, K470, SK370	Main blade	355	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	**LSB35508X**	F03FS08740
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
EB100	Main blade	360	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	**LSB36002X**	F03FS07673
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
WN-WNA 610, WN-WNA 610 (PFS)	Main blade	380	4,4	3,2	65	72	TCG	15°	15°	2/9/110	**LSB38014X**	F03FS09166
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
EB108, EB110, EB120	Main blade	400	4,4	3,2	80	72	TCG	15°	15°	2/15/105 + 2/9/130 + 4/19/120	**LSB40009X**	F03FS07810
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
WN-WNA 630, WN-WNA 630 (PFS)	Main blade	400	4,4	3,2	65	72	TCG	15°	15°	2/9/110	**LSB40016X**	F03FS09172
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
EB/EBT 120, WN 125	Main blade	430	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	**LSB43009X**	F03FS07909
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,2	65	72	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RI3**	F03FS02689
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
WN-WNA 650, WN-WNA 650 (PFS)	Main blade	430	4,4	3,2	65	72	TCG	15°	15°	2/9/110	**LSB43012X**	F03FS09178
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M43PI3**	F03FS02681
	HW Scorer	300	4,3-5,5	3,0	65	48	ATB	12°	15°	2/9/100 + 2/9/110	**LI25M43RX3**	F03FS07616
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH4**	F03FS09625
	DP Scorer	200	4,3-5,1	3,2	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M43PIH6**	F03FS09626
WN 710, WN 710 (PFS)	Main blade	430	4,8	3,5	70	72	TCG	15°	15°	4/11/130	**LSB43013X**	F03FS09180
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	HW Scorer	300	4,7-5,9	3,5	65	48	ATB	6°	15°	2/9/110	**LI25M47RX3**	F03FS07744
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
WN 600/132, WN 200	Main blade	450	4,8	3,5	80	72	TCG	15°	15°	4/19/120 + 2/14/125 + 2/9/130	**LSB45018X**	F03FS07812
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
	Postf. scorer	300	4,95	3,0	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DB3**	F03FS02739
WN 600/132, WN 200	Main blade	450	4,8	3,5	80	72	TCG	15°	15°	2/9/130 + 4/19/120 + 2/14/125	**LSB45018X**	F03FS07812
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
	Postf. scorer	300	4,95	3,0	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DB3**	F03FS02739
WN-WNA 730, WN-WNA 730 (PFS)	Main blade	470	4,8	3,5	70	72	TCG	15°	15°	4/11/130	**LSB47005X**	F03FS09185
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	HW Scorer	300	4,7-5,9	3,5	65	48	ATB	6°	15°	2/9/110	**LI25M47RX3**	F03FS07744
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
WN-WNA 750, WN-WNA 750 (PFS)	Main blade	470	4,8	3,5	70	72	TCG	15°	15°	4/11/130	**LSB47005X**	F03FS09185
	Main blade	520	4,8	3,5	70	72	TCG	15°	15°	4/11/130	**LSB52006X**	F03FS09193
	HW Scorer	200	5,7-6,9	3,5	65	36	ATB	8°	15°	2/9/110	**LI25M57PI3BS**	F03FS08165
WN 600/145, WN 512	Main blade	480	4,8	3,5	80	72	TCG	15°	15°	2/9/130 + 4/19/120	**LSB48001X**	F03FS09188
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
	Postf. scorer	300	4,55	3,2	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DA3**	F03FS02737
WNA600/162	Main blade	510	4,8	3,5	80	72	TCG	15°	15°	2/9/130 + 4/19/120	**LSB51001X**	F03FS09984
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	**LI25M47PI3**	F03FS02720
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH4**	F03FS09631
	DP Scorer	200	4,7-5,5	3,5	65	36	FLAT	6°	14°	2/9/100 + 2/9/110	**DLI25M47PIH6**	F03FS09632
	Postf. scorer	300	4,95	3,0	65	72	ATB	15°	15°	2/9/100 + 2/9/110	**LI27M DB3**	F03FS02739
WN-WNA 850	Main blade	600	5,8	4,0	70	60	TCG	15°	15°	4/11/130	**LSB60004X**	F03FS10258
	Main blade	600	5,8	4,0	75	60	TCG	15°	15°	4/6,5/130 + 4/11/130	**LSB60006X**	F03FS10259
	HW Scorer	200	5,7-6,9	3,5	65	36	ATB	8°	15°	2/9/110	**LI25M57PI3BS**	F03FS08165
AES												
ALPHA PS-03	Main blade	320	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	**LSB32009X**	F03FS10296
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/10/60 + 2/9/62 + 2/11/66	**LI25M43PA3**	F03FS02670
ALPHA PS-05	Main blade	430	4,4	3,2	30	72	TCG	15°	15°	2/13/94	**LSB43007X**	F03FS09177
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	**LI25M43PA3**	F03FS02670

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
ALPHA PS-06	Main blade	460	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB46001X	F03FS08922
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
ANTHON												
LN (90)	Main blade	400	4,4	3,2	60	72	TCG	15°	15°	2/14/100 + 2/11/85	LSB40017X	F03FS09272
	HW Scorer	180	4,3-5,5	3,2	20	28	ATB	8°	15°	-	LI25M43NA3	F03FS02661
	HW Scorer	180	4,3-5,5	3,2	20	36	ATB	8°	15°	-	LI25M43XA3	F03FS06372
PORTA 100	Main blade	400	4,4	3,2	60	72	TCG	15°	15°	2/14/100 + 2/11/85	LSB40017X	F03FS09272
	HW Scorer	180	4,3-5,5	3,2	20	36	ATB	8°	15°	-	LI25M43XA3	F03FS06372
LNA (100), LN (120)	Main blade	450	4,4	3,2	60	72	TCG	15°	15°	2/14/125	LSB45008X	F03FS09182
	HW Scorer	180	4,3-5,5	3,2	20	36	ATB	8°	15°	-	LI25M43XA3	F03FS06372
PORTA 150	Main blade	500	4,4	3,5	60	60	TCG	15°	15°	2/11/115	LSB50009X	F03FS09189
	HW Scorer	180	4,3-5,5	3,2	20	36	ATB	8°	15°	-	LI25M43XA3	F03FS06372
AYZA MIZRAK												
LANZA P3	Main blade	320	4,4	3,2	65	60	TCG	15°	15°	2/9/110	LSB32003X	F03FS09161
	Main blade	320	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB32001X	F03FS07805
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
	Main blade	360	4,4	3,2	65	60	TCG	15°	15°	2/9/110	LSB36001X	F03FS10227
	Main blade	360	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB36002X	F03FS07673
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
LANZA P4	Main blade	380	4,4	3,2	65	72	TCG	15°	15°	2/9/110	LSB38014X	F03FS09166
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
LANZA P5	Main blade	400	4,4	3,2	65	72	TCG	15°	15°	2/9/110	LSB40016X	F03FS09172
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
LANZA P5 CARRERA	Main blade	400	4,4	3,2	65	72	TCG	15°	15°	2/9/110	LSB40016X	F03FS09172
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
FELDER MAYER												
KAPPA AUTOMATIC 80	Main blade	320	4,4	3,2	30	60	TCG	15°	15°	-	LSB32005X	F03FS09160
	Main blade	320	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB32009X	F03FS10296
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
KAPPA AUTOMATIC 80 EDITION	Main blade	320	4,4	3,2	30	60	TCG	15°	15°	-	LSB32005X	F03FS09160
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
KAPPA AUTOMATIC CLASSIC	Main blade	320	4,4	3,2	30	60	TCG	15°	15°	-	LSB32005X	F03FS09160
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
PS80	Main blade	320	4,4	3,2	30	60	TCG	15°	15°	-	LSB32005X	F03FS09160
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
KAPPA AUTOMATIC 100	Main blade	355	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35504X	F03FS07674
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
PS80 PREMIUM	Main blade	355	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35504X	F03FS07674
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
KAPPA AUTOMATIC 120	Main blade	400	4,4	3,2	30	48	TCG	15°	15°	2/10/60	LSB40001X	F03FS09168
	Main blade	400	4,4	3,2	30	60	TCG	15°	15°	2/10/60	LSB40004X	F03FS09169
	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
PS100	Main blade	400	4,4	3,2	30	48	TCG	15°	15°	2/10/60	LSB40001X	F03FS09168
	Main blade	400	4,4	3,2	30	60	TCG	15°	15°	2/10/60	LSB40004X	F03FS09169
	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
PS2 Z	Main blade	450	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/14/95	LSB45007X	F03FS09181
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
KAPPA AUTOMATIC 140	Main blade	450	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/14/95	LSB45007X	F03FS09181
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
FIMAL												
CONCEPT 350	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
KR32	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
KR43	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
GIBEN												
MK, GAMMA, N, ST, SE, TREND	Main blade	355	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110	LSB35505X	F03FS07633
	HW Scorer	125	4,3-5,5	3,2	45	24	ATB	0°	15°	-	LI25M43FE3	F03FS02645
SMART SP105, ICON 105	Main blade	380	4,4	3,2	50	72	TCG	15°	15°	4/13/80	LSB38008X	F03FS09165
	HW Scorer	250	4,3-5,5	3,2	50	48	ATB	8°	15°	3/13/80	LI25M43OF3	F03FS02669
G 2000 STARMATIC	Main blade	400	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110 + 2/14/100	LSB40008X	F03FS07726
	Main blade	400	4,4	3,2	75	84	TCG	15°	15°	4/15/105 + 2/7/110	LSB40019X	F03FS08990
	HW Scorer	125	4,5-5,7	3,0	45	24	ATB	0°	15°	-	LI25M45FE3	F03FS02699
PRISMATIC 101	Main blade	400	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110 + 2/14/100	LSB40008X	F03FS07726
	HW Scorer	160	4,3-5,5	3,2	45	36	ATB	8°	15°	3/11/70	LI25M43LE3	F03FS02655
PRISMATIC 201	Main blade	400	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110 + 2/14/100	LSB40008X	F03FS07726
	Main blade	430	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110	LSB43008X	F03FS07908
	HW Scorer	215	4,3-5,5	3,2	50	42	ATB	8°	15°	2/7/80 + 3/15/80	LI25M43QF3	F03FS02685
	HW Scorer	300	4,3-5,5	3,5	50	48	ATB	12°	15°	3/15/80	LI25M43RM3	F03FS02693
	DP Scorer	215	4,3-5,1	3,2	50	42	FLAT	6°	14°	2/7/80 + 3/15/80	DLI25M43QFH4	F03FS09633
	DP Scorer	215	4,3-5,1	3,2	50	42	FLAT	6°	14°	2/7/80 + 3/15/80	DLI25M43QFH6	F03FS09634
	Postf. Scorer	300	4,55	3,2	50	72	ATB	15°	15°	3/15/80	LI27M DD3	F03FS02743
PRISMATIC 2, 3	Main blade	470	4,4	3,2	75	96	TCG	15°	15°	4/15/105	LSB47004X	F03FS09184
	HW Scorer	215	4,3-5,5	3,2	50	42	ATB	8°	15°	2/7/80 + 3/15/80	LI25M43QF3	F03FS02685
	HW Scorer	215	4,5-5,7	3,2	50	42	ATB	8°	15°	3/15/80	LI25M45PF3	F03FS02713
	HW Scorer	300	4,3-5,5	3,5	50	48	ATB	12°	15°	3/15/80	LI25M43RM3	F03FS02693
	DP Scorer	215	4,3-5,1	3,2	50	42	FLAT	6°	14°	2/7/80 + 3/15/80	DLI25M43QFH4	F03FS09633
	DP Scorer	215	4,3-5,1	3,2	50	42	FLAT	6°	14°	2/7/80 + 3/15/80	DLI25M43QFH6	F03FS09634
	Postf. Scorer	300	4,55	3,2	50	72	ATB	15°	15°	3/15/80	LI27M DD3	F03FS02743
ICONFAST LM D-816	Main blade	530	4,8	3,5	75	72	TCG	15°	15°	2/7/110	LSB53004X	F03FS09651
	HW Scorer	215	4,7-5,9	3,5	50	42	ATB	8°	15°	2/7/80	LI25M47QF3	F03FS09650
HOLZHER												
CUT 85, 82	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	28	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
	Postf. scorer	250	4,60	3,0	30	48	ATB	15°	15°	-	LI27M BA3	F03FS02734
TECTRA 6120 CLASSIC	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
CUT 110	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	250	4,3-5,5	3,2	30	48	CON	8°	15°	2/10/60	LI25M43OC3	F03FS02668
	Postf. scorer	250	4,60	3,0	30	48	ATB	15°	15°	-	LI27M BA3	F03FS02734
ZENTREX 6220 (POWER, LIFT, DYNAMIC)	Main blade	430	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB43007X	F03FS09177
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
HOLZMA												
HPP130	Main blade	300	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB30012X	F03FS09207
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
	HW Scorer	180	4,3-5,5	3,2	45	36	CON	8°	15°	-	LI25M43NE3	F03FS02664

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
HPP230, 250 (before 06/2014)	Main blade	300	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB30012X	F03FS09207
	Main blade	350	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB35004X	F03FS07636
	HW Scorer	200	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43PE3	F03FS02676
	HW Scorer	180	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43NE3	F03FS02664
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
SAWTEQ B-200	Main blade	310	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB31001X	F03FS09949
	HW Scorer	200	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43PE3	F03FS02676
HPP350	Main blade	350	4,4	3,2	75	72	TCG	15°	15°	-	LSB35008X	F03FS07634
	HW Scorer	180	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43NE3	F03FS02664
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
HPP180	Main blade	380	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB38002X	F03FS07631
	HW Scorer	180	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43NE3	F03FS02664
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
HPP380, 82	Main blade	380	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB38002X	F03FS07631
	Main blade	380	4,8	3,5	60	72	TCG	15°	15°	2/14/100	LSB38004X	F03FS07632
	Main blade	380	4,8	3,5	60	84	TCG	15°	15°	2/14/100	LSB38005X	F03FS07807
	HW Scorer	180	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43NE3	F03FS02664
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02715
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
	Postf. scorer	280	5,0	3,5	45	84	ATB	15°	15°	-	LI27M CA3	F03FS02736
HPL410	Main blade	420	4,8	3,5	60	60	TCG	15°	15°	2/14/125	LSB42001X	F03FS10234
	Main blade	420	4,8	3,5	60	84	TCG	15°	15°	2/14/100 + 2/14/125	LSB42002X	F03FS09176
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02715
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
	Postf. scorer	340	5,0	3,5	45	108	ATB	15°	15°	3/14/65	LI27M EB3	F03FS02747
HPP430, 510, 11	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS07391
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02715
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
	Postf. scorer	340	5,0	3,5	45	108	ATB	15°	15°	3/14/65	LI27M EB3	F03FS02747
22	Main blade	500	4,8	3,5	60	72	TCG	15°	15°	2/11/115	LSB50011X	F03FS09191
	HW Scorer	200	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47PE3	F03FS02719
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH4	F03FS09629
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH6	F03FS09630
	Postf. scorer	340	5,0	3,5	45	108	ATB	15°	15°	3/14/65	LI27M EB3	F03FS02747
HPL550	Main blade	520	4,8	3,5	60	72	TCG	15°	15°	2/11/115 + 2/19/120	LSB52003X	F03FS09192
	HW Scorer	200	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47PE3	F03FS02719
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH4	F03FS09629
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH6	F03FS09630
	Postf. scorer	340	5,0	3,5	45	108	ATB	15°	15°	3/14/65	LI27M EB3	F03FS02747
HPL570	Main blade	570	4,8	3,5	60	60	TCG	15°	15°	2/11/115 + 2/19/120	LSB57001X	F03FS09199
	HW Scorer	200	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47PE3	F03FS02719
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH4	F03FS09629
	DP Scorer	200	4,7-5,5	3,5	45	36	FLAT	6°	14°	-	DLI25M47PEH6	F03FS09630
	Postf. scorer	340	5,0	3,5	45	108	ATB	15°	15°	3/14/65	LI27M EB3	F03FS02747

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
HPP42, 33	Main blade	600	5,8	4,0	60	60	TCG	15°	15°	2/11/115 + 2/19/120	LSB60001X	F03FS09200
	Main blade	600	5,8	4,0	60	72	TCG	15°	15°	2/11/115 + 2/19/120	LSB60002X	F03FS09201
	HW Scorer	200	5,7-6,9	4,0	45	36	ATB	8°	15°	-	LI25M57PE3	F03FS02728
HOMAG												
CH 3	Main blade	300	4,4	3,0	75	60	TCG	15°	15°	-	LSB30003X	F03FS03916
	HW Scorer	125	4,3-5,5	3,2	45	24	ATB	0°	15°	-	LI25M43FE3	F03FS02645
CH 3	Main blade	300	4,4	3,0	75	60	TCG	15°	15°	-	LSB30003X	F03FS03916
	HW Scorer	125	4,3-5,5	3,2	45	24	ATB	0°	15°	-	LI25M43FE3	F03FS02645
CT 04/40	Main blade	300	4,4	3,0	75	60	TCG	15°	15°	-	LSB30003X	F03FS03916
	HW Scorer	150	4,3-5,6	3,2	45	36	ATB	8°	15°	-	LI25M43KE3	F03FS02651
CV'S	Main blade	300	4,4	3,0	75	60	TCG	15°	15°	-	LSB30003X	F03FS10218
	HW Scorer	125	4,3-5,5	3,2	45	24	ATB	0°	15°	-	LI25M43FE3	F03FS02645
CH 04	Main blade	355	4,4	3,2	75	72	TCG	15°	15°	3/7/100	LSB35507X	F03FS07710
	HW Scorer	180	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43NE3	F03FS02664
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH4	F03FS09621
	DP Scorer	180	4,3-5,1	3,2	45	30	FLAT	6°	14°	-	DLI25M43NEH6	F03FS09622
CH 08/12	Main blade	400	4,4	3,2	75	72	TCG	15°	15°	4/15/105 + 2/7/110 + 2/14/100	LSB40008X	F03FS07726
	HW Scorer	150	4,3-5,6	3,2	45	36	ATB	8°	15°	-	LI25M43KE3	F03FS02651
NANXING												
NPC330	Main blade	380	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB38002X	F03FS07631
	Main blade	350	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB35004X	F03FS07636
	HW Scorer	200	4,3-5,5	3,2	45	36	ATB	8°	15°	-	LI25M43PE3	F03FS02676
MJB1327B	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS09272
	Main blade	400	4,4	3,2	60	84	TCG	15°	15°	2/14/100	LSB40021X	F03FS09255
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
NP280FG NP280F	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS09272
	Main blade	400	4,4	3,2	60	84	TCG	15°	15°	2/14/100	LSB40021X	F03FS09255
	Main blade	350	4,4	3,2	60	72	TCG	15°	15°	2/14/100	LSB35004X	F03FS07636
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
NPL330HG NP330H NP330HG	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS07391
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02715
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
NP380FG NP330FG NP330F	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS09272
	Main blade	400	4,4	3,2	60	84	TCG	15°	15°	2/14/100	LSB40021X	F03FS09255
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02664
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
NZH3318 NPD380	Main blade	450	4,8	3,5	60	72	TCG	15°	15°	2/14/125 + 2/17/100	LSB45017X	F03FS07391
	HW Scorer	180	4,7-5,9	3,5	45	36	ATB	8°	15°	-	LI25M47NE3	F03FS02715
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH4	F03FS09623
	DP Scorer	180	4,7-5,5	3,5	45	30	FLAT	6°	14°	-	DLI25M47NEH6	F03FS09624
NIMAC												
HERMES 70 CNC	Main blade	300	4,4	3,0	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB30006X	F03FS09158
	Main blade	320	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB32001X	F03FS07805
ATLAS 80	Main blade	320	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB32001X	F03FS07805
ATLAS 100/100TL	Main blade	355	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB35508X	F03FS08740
	Main blade	360	4,4	3,2	65	72	TCG	15°	15°	2/9/95 + 2/9/110	LSB36002X	F03FS07673
PANHANS												
EURO 10 SF	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
	HW Scorer	250	4,3-5,5	3,2	30	48	CON	8°	15°	2/10/60	LI25M430C3	F03FS02668
	Postf. scorer	250	4,6	3,0	30	48	ATB	15°	15°	-	LI27M BA3	F03FS02734

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
EURO 5 (SF, COMPACT, ECOPAN)	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
	HW Scorer	125	4,3-5,5	3,2	20	24	CON	0°	15°	-	LI25M43FA3	F03FS02643
EURO10, 693/SH 70	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
	HW Scorer	125	4,3-5,5	3,2	20	24	CON	0°	15°	-	LI25M43FA3	F03FS02643
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
S 45	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
EURO 12, 30	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
EURO 12 SF	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	280	4,3-5,5	3,2	30	48	CON	12°	15°	2/10/60	LI25M43VC3	F03FS07419
POLYPAN 47	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
	Postf. scorer	300	4,55	3,0	30	72	ATB	15°	15°	-	LI27M DF3	F03FS02745
EUROSTAR 2 XL, POLYSTAR	Main blade	370	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSC37001	F03FS06312
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
	HW Scorer	280	4,3-5,5	3,2	30	48	CON	6°	15°	2/10/60	LI25M43VC3	F03FS07419
EURO 32	Main blade	370	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB37001X	F03FS10228
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
693/SH 110	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
EUROSTAR 2 XXL	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	180	4,3-5,5	3,2	30	28	CON	8°	15°	2/7/42 + 2/10/60	LI25M43NC3	F03FS02663
	HW Scorer	280	4,3-5,5	3,2	30	48	CON	6°	15°	2/10/60	LI25M43VC3	F03FS07419
SCHEER KOCH												
PA 6000, 5500	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
	HW Scorer	200	4,3-5,5	3,2	30	36	ATB	8°	15°	2/9/60 + 2/10/60	LI25M43PC3	F03FS02674
SCHELLING												
FH3	Main blade	300	4,4	3,0	30	72	TCG	15°	15°	2/10/60	LSB30005X	F03FS07803
	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
FH4 (till 06/2015)	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577
S45	Main blade	350	4,4	3,2	30	72	TCG	15°	15°	2/10/60	LSB35003X	F03FS07630
	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	180	4,3-5,5	3,2	30	36	ATB	8°	15°	2/7/42 + 2/10/60	LI25M43XN3	F03FS06373
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577
SCHELLING FH4 (from 07/2015 till 07/2017)	Main blade	360	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB36003X	F03FS09341
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FH4 (from 07/2017)	Main blade	360	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB36003X	F03FS09341
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577
FH5 (from 07/2015)	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577
FH5 (from 07/2015)	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577
FH5	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FK4 (from 07/2015)	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FK4 (from 07/2017)	Main blade	400	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB40007X	F03FS07725
	HW Scorer	300	4,3-5,5	3,2	30	48	ATB	12°	15°	2/11/73 + 2/11/75 + 2/13/94	LI25M43RC3	F03FS07577

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
FH6, AH6, CH6 (till 06/2015)	Main blade	460	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB46001X	F03FS08922
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FK6, FP6, FM6	Main blade	460	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB46001X	F03FS08922
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FH6, AH6, CH6 (starting from 07/2015)	Main blade	480	4,8	3,5	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB48004X	F03FS09187
	HW Scorer	220	4,7-5,9	3,5	20	36	ATB	8°	15°	2/9/62	LI25M47UA3	F03FS09266
	HW Scorer	200	4,7-5,9	3,5	20	36	ATB	8°	15°	2/11/66	LI25M47PA3	F03FS02716
FL	Main blade	480	4,4	3,2	30	72	TCG	15°	15°	2/10/60 + 2/13/94	LSB48007X	F03FS09914
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FH8, AH8, CH8	Main blade	520	4,8	3,5	30	72	TCG	15°	15°	2/13/94	LSB52007X	F03FS09319
	Main blade	520	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB52008X	F03FS09319
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
	HW Scorer	220	4,7-5,9	3,5	20	36	ATB	8°	15°	2/9/62	LI25M47UA3	F03FS09266
	HW Scorer	200	4,7-5,9	3,5	20	36	ATB	8°	15°	2/11/66	LI25M47PA3	F03FS02716
FK8, FM8	Main blade	520	4,8	3,5	30	72	TCG	15°	15°	2/13/94	LSB52007X	F03FS09319
	HW Scorer	200	4,7-5,9	3,5	20	36	ATB	8°	15°	2/11/66	LI25M47PA3	F03FS02716
	Main blade	520	4,4	3,2	30	72	TCG	15°	15°	2/13/94	LSB52008X	F03FS09319
	HW Scorer	200	4,3-5,5	3,2	20	36	ATB	8°	15°	2/11/66 + 2/10/60 + 2/9/62	LI25M43PA3	F03FS02670
FK10, FM10	Main blade	680	6,2	4,2	40	60	TCG	18°	13°	2/13/140 + 2/17/140 + 2/13/114	LSB68001X	F03FS09203
	HW Scorer	200	6,1-7,3	4,0	20	36	ATB	8°	15°	2/11/66	LI25M61PA3	F03FS02730
ASH (FSM)	Main blade	720	6,4	4,4	40	60	TCG	18°	13°	2/14/114 + 2/14/140	LSB72001X	F03FS09204
	HW Scorer	220	6,3-7,5	4,4	20	36	ATB	8°	15°	2/11/66	LI25M63UA3	F03FS02732
SCM												
PRIMA 50	Main blade	300	4,4	3,0	80	60	TCG	15°	15°	4/9/100 + 2/14/110	LSB30004X	F03FS09157
	Main blade	300	4,4	3,0	80	72	TCG	15°	15°	4/9/100 + 2/14/110	LSB30008X	F03FS07804
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
PRIMA 67	Main blade	320	4,4	3,2	80	60	TCG	10°	15°	4/9/100 + 2/9/110 + 2/14/110	LSB32006X	F03FS10101
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
	Postf. scorer	280	4,65	3,2	80	72	ATB	15°	15°	2/14/110	LI27M47VL3	F03FS08014
IMPACT 85 K	Main blade	350	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110	LSB35005X	F03FS07635
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
IMPACT 105 C/D, PLUS 105 C/D/P	Main blade	380	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110	LSB38010X	F03FS07808
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
IMPACT 90	Main blade	380	4,4	3,2	80	48	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110	LSB38009X	F03FS09164
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
	Postf. scorer	300	4,70	3,2	80	72	ATB	15°	15°	2/14/110	LI27M DC3	F03FS02741
IMPACT 110	Main blade	400	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110 + 2/14/125	LSB40012X	F03FS09173
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
	Postf. scorer	300	4,7	3,2	80	72	ATB	15°	15°	2/14/110	LI27M DC3	F03FS02741
SCM-GABBIANI												
GALAXY 90	Main blade	300	4,4	3,0	80	60	TCG	15°	15°	4/9/100 + 2/14/110	LSB30004X	F03FS09157
	Main blade	300	4,4	3,0	80	72	TCG	15°	15°	4/9/100 + 2/14/110	LSB30008X	F03FS07804
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
	Postf. scorer	300	4,70	3,2	80	72	ATB	15°	15°	2/14/110	LI27M DC3	F03FS02741

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

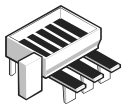
Reference table of saw blades for panel sizing machines

Machine type	Tool type *	D	B-B1	b	d	Z	Tooth type	α	β	NL	Freud Code	Art. No.
		mm	mm	mm	mm							
GALAXY 85	Main blade	350	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110	LSB35005X	F03FS07635
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
GALAXY3 110, 110A	Main blade	400	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110 + 2/14/125	LSB40012X	F03FS09173
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
	Postf. scorer	300	4,70	3,2	80	72	ATB	15°	15°	2/14/110	LI27M DC3	F03FS02741
GALAXY 115	Main blade	400	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110 + 2/14/125	LSB40012X	F03FS09173
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
GALAXY3 130, 130A	Main blade	430	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	LSB43009X	F03FS07909
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
	Postf. scorer	300	4,70	3,2	80	72	ATB	15°	15°	2/14/110	LI27M DC3	F03FS02741
GALAXY3 145	Main blade	450	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	LSB45009X	F03FS07811
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
GALAXY 140, ELITE	Main blade	450	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	LSB45009X	F03FS07811
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
GALAXY3	Main blade	460	4,4	3,2	80	72	TCG	15°	15°	2/14/110 + 4/9/100	LSB46003X	F03FS09950
	HW Scorer	200	4,3-5,5	3,2	80	36	ATB	8°	15°	2/14/110	LI25M43PL3	F03FS02683
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH4	F03FS09627
	DP Scorer	200	4,3-5,1	3,2	80	36	FLAT	6°	14°	2/14/110	DLI25M43PLH6	F03FS09628
TÖRK MAKINE												
MP70R	Main blade	320	4,4	3,2	75	72	TCG	15°	15°	3/7/100 + 3/13/95	LSB32002X	F03FS09162
	HW Scorer	160	4,3-5,5	3,2	55	36	ATB	8°	15°	3/6/84 + 3/7/66	LI25M43LG3	F03FS02657
TURANLAR												
T-PE 433	Main blade	300	4,4	3,0	30	60	TCG	15°	15°	2/10/60	LSB30001X	F03FS07802
	Main blade	300	4,4	3,0	30	72	TCG	15°	15°	2/10/60	LSB30005X	F03FS07803
	HW Scorer	150	4,3-5,6	3,2	30	36	ATB	8°	15°	-	LI25M43KC3	F03FS02649
T-PE 434 (before 2020)	Main blade	400	4,4	3,2	80	72	TCG	15°	15°	4/9/100 + 2/9/110 + 2/14/110 + 2/14/125	LSB40012X	F03FS07810
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
T-PE 434	Main blade	430	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	LSB43009X	F03FS07909
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
T-PE 435	Main blade	430	4,4	3,2	80	72	TCG	15°	15°	2/9/130 + 2/14/110 + 4/19/120	LSB43009X	F03FS07909
	HW Scorer	200	4,3-5,5	3,2	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M43PI3	F03FS02681
T-PE 436 (before 2020)	Main blade	450	4,8	3,5	80	72	TCG	15°	15°	2/9/130 + 4/19/120 + 2/14/125	LSB45018X	F03FS07812
	HW Scorer	200	4,7-5,9	3,5	65	36	ATB	8°	15°	2/9/100 + 2/9/110	LI25M47PI3	F03FS02720

* **Tool type:** Main saw blade, Scoring saw blade, Polycrystalline Diamond scorer and Postforming scorer.

LSB X

Industrial panel sizing saw blades



Horizontal Panel Sizing Machines

Laminated Chipboard	Laminated MDF	HPL	Thermoplastic Composites	Plexiglas
●●●	●●●	●●	●●	●●

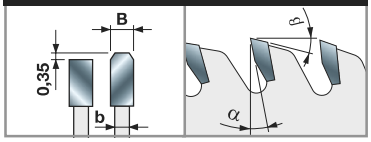
●●● Ultimate ●● High ● Good

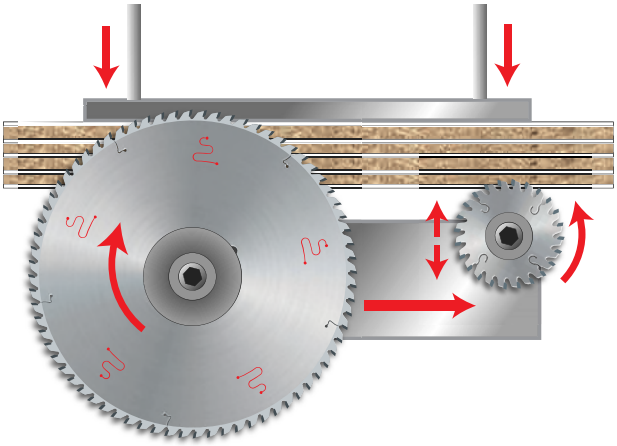
TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H00XA - Flat-triple chip tooth





Machines:
Horizontal panel sizing machines.

Materials:
Laminated chipboard, laminated MDF, HPL, thermoplastic composites and plexiglas.

Applications:
Industrial panel sizing.

Technical information:
The LSB X range represents the ideal choice for industrial panel sizing.
Saw blades suitable for chipboard and MDF bilaminated panels.
Good finishing also in HPL and acrylic panel cutting.

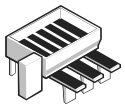
D mm	B mm	b mm	d mm	Z	α	β	NL	Machines	Freud Code	Art. No.
250	4,2	3,0	30	60	15°	15°	2/10/60	SCM - Techmatic, Verry	LSB25003X	F03FS10212
250	4,2	3,0	50	60	15°	15°	-	Usikraft	LSB25005X	F03FS10214
250	4,2	3,0	55	60	15°	15°	4/10/70	Baldan, SCM - Techmatic	LSB25002X	F03FS10211
250	4,4	3,0	30	80	15°	15°	2/9/46,4 + 2/10/60		LSB25004X	F03FS10213
270	4,2	3,0	55	60	15°	15°	-	SCM - Techmatic	LSB27001X	F03FS10215
280	4,4	3,2	55	60	15	15°	2/10/70	Baldan	LSB28001X	F03FS10216
290	4,2	3,0	55	60	15°	15°	-	SCM - Techmatic	LSB29001X	F03FS10217
300	4,4	3,0	30	60	15°	15°	2/10/60	Panhans	LSB30001X	F03FS07802
300	4,4	3,0	65	60	15°	15°	2/9/110	Selco	LSB30002X	F03FS09159
300	4,4	3,0	75	60	15	15°	-	Homag	LSB30003X	F03FS10218
300	4,4	3,0	80	60	15°	15°	4/9/100 + 2/14/110	SCM	LSB30004X	F03FS09157
300	4,4	3,0	30	72	15°	15°	2/10/60	Panhans, Verry	LSB30005X	F03FS07803
300	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSB30012X	F03FS09207
300	4,4	3,0	65	72	15°	15°	2/9/95 + 2/9/110	Selco	LSB30006X	F03FS09158
300	4,4	3,0	75	72	15	15°	-	Holzma	LSB30007X	F03FS10219
300	4,4	3,0	80	72	15°	15°	4/9/100 + 2/14/110	SCM	LSB30008X	F03FS07804
300	4,4	3,0	75	96	15°	15°	-		LSB30010X	F03FS10220
305	4,4	3,0	30	60	15	15°	2/10/60	Mayer, Panhans, SCM	LSB30501X	F03FS10221
310	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSB31001X	F03FS09949
320	4,4	3,2	30	60	15°	15°	-		LSB32005X	F03FS09160
320	4,4	3,2	50	60	15	15°	3/13/95 + 3/15/80	Giben	LSB32004X	F03FS10222
320	4,4	3,2	65	60	15°	15°	2/9/110	Selco	LSB32003X	F03FS09161
320	4,4	3,2	80	60	10°	15°	4/9/100 + 2/9/110 + 2/14/110		LSB32006X	F03FS10101
320	4,4	3,2	60	72	15	15	2/14/100		LSB32008X	F03FS10268
320	4,4	3,2	65	72	15°	15°	2/9/95 + 2/9/110	Selco	LSB32001X	F03FS07805
320	4,4	3,2	75	72	15°	15°	3/13/95 + 3/7/100	Giben	LSB32002X	F03FS09162
320	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110		LSB32007X	F03FS10267
350	4,2	3,2	80	96	15°	15°			LSB35011X	F03FS10225

D mm	B mm	b mm	d mm	Z	α	β	NL	Machines	Freud Code	Art. No.
350	4,4	3,2	30	54	15°	15°	2/10/60	Panhans, Scheer	LSB35001X	F03FS10223
350	4,4	3,2	60	54	15°	15°	2/14/100	Holzma	LSB35002X	F03FS10224
350	4,4	3,2	30	72	15°	15°	2/10/60	Panhans, Scheer	LSB35003X	F03FS07630
350	4,4	3,2	50	72	15°	15°	4/13/80	Giben	LSB35006X	F03FS07709
350	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSB35004X	F03FS07636
350	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSB35013X	F03FS09659
350	4,4	3,2	75	72	15°	15°	-	Giben, Hansol Machine	LSB35008X	F03FS07634
350	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB35005X	F03FS07635
355	4,4	3,2	75	54	15°	15°	-	Giben	LSB35502X	F03FS10226
355	4,4	3,2	80	54	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB35503X	F03FS09205
355	4,4	3,2	30	72	15°	15°	2/10/60	Panhans, SCM	LSB35504X	F03FS07674
355	4,4	3,2	65	72	15°	15°	2/9/95 + 2/9/110	Selco	LSB35508X	F03FS08740
355	4,4	3,2	75	72	15°	15°	4/15/105 + 2/7/110	Giben, KDT, Hold	LSB35505X	F03FS07633
355	4,4	3,2	75	72	15°	15°	3/7/100	Gabbiani	LSB35507X	F03FS07710
355	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB35506X	F03FS09163
360	4,4	3,2	65	60	15°	15°	2/9/110	Selco	LSB36001X	F03FS10227
360	4,4	3,2	30	72	15°	15°	2/13/94	Schelling	LSB36003X	F03FS09341
360	4,4	3,2	65	72	15°	15°	2/9/95 + 2/9/110	Selco	LSB36002X	F03FS07673
370	4,4	3,2	30	72	15°	15°	2/10/60	Schelling	LSB37001X	F03FS10228
380	4,4	3,2	80	48	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB38009X	F03FS09164
380	4,4	3,2	50	60	15°	15°	4/13/80	Giben	LSB38007X	F03FS10230
380	4,4	3,2	60	60	15°	15°	2/14/100	Holzma	LSB38001X	F03FS07806
380	4,4	3,2	30	72	15°	15°	2/8/83		LSB38011X	F03FS10231
380	4,4	3,2	50	72	15°	15°	4/13/80	Giben	LSB38008X	F03FS09165
380	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSB38002X	F03FS07631
380	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSB38014X	F03FS09166
380	4,4	3,2	75	72	15°	15°	2/14/100	Holzma wp, Wonpoong	LSB38012X	F03FS07672
380	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB38010X	F03FS07808
380	4,4	3,2	60	84	15°	15°	2/14/100	Holzma	LSB38015X	F03FS08989
380	4,4	3,2	80	96	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB38013X	F03FS07809
380	4,8	3,5	60	60	15°	15°	2/14/100	Holzma	LSB38003X	F03FS10229
380	4,8	3,5	60	72	15°	15°	2/14/100	Holzma	LSB38004X	F03FS07632
380	4,8	3,5	60	84	15°	15°	2/14/100	Holzma	LSB38005X	F03FS07807
390	4,4	3,2	80	72	15°	15°	2/14/110	Sigma	LSB39001X	F03FS09167
400	4,4	3,2	30	48	15°	15°	2/10/60		LSB40001X	F03FS09168
400	4,4	3,2	80	48	15°	15°	2/9/110 + 4/9/100 + 2/14/110	Gabbiani	LSB40010X	F03FS10233
400	4,4	3,2	30	60	15°	15°	2/10/60		LSB40004X	F03FS09169
400	4,4	3,2	75	60	15°	15°	4/15/105	Giben	LSB40005X	F03FS09170
400	4,4	3,2	80	60	15°	15°	2/9/130 + 4/19/120	Selco	LSB40006X	F03FS10232
400	4,4	3,2	80	60	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB40011X	F03FS09171
400	4,4	3,2	30	72	15°	15°	2/10/60 + 2/13/94	Scheer	LSB40007X	F03FS07725
400	4,4	3,2	50,8	72	10°	15°	2/16/127 + 4/13/80		LSB40018X	F03FS08957
400	4,4	3,2	60	72	15°	15°	2/11/85 + 2/14/100	Anthon	LSB40017X	F03FS09272
400	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSB40016X	F03FS09172
400	4,4	3,2	75	72	15°	15°	4/15/105 + 2/7/110 + 2/14/100	Giben, Haisung Woodworking Machinery, Hansol Machine, HOMAG, Hyundai Sangi, KDT	LSB40008X	F03FS07726
400	4,4	3,2	80	72	15°	15°	2/15/105 + 2/9/130 + 4/19/120	Selco, MAS	LSB40009X	F03FS07810
400	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110 + 2/14/125	Gabbiani	LSB40012X	F03FS09173
400	4,4	3,2	60	84	15°	15°	2/14/100	Nanxing	LSB40021X	F03FS09255
400	4,4	3,2	75	84	15°	15°	4/15/105 + 2/7/110	KDT	LSB40019X	F03FS08990
400	4,8	3,5	60	72	15°	15°	2/14/125	Holzma	LSB40013X	F03FS07711
420	4,4	3,2	80	60	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB42004X	F03FS10235
420	4,4	3,2	50	72	15°	15°	4/13/80	Selco	LSB42006X	F03FS09174
420	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSB42005X	F03FS09175
420	4,8	3,5	60	60	15°	15°	2/14/125	Holzma	LSB42001X	F03FS10234
420	4,8	3,5	60	84	15°	15°	2/14/100 + 2/14/125	Holzma	LSB42002X	F03FS09176
430	4,4	3,2	30	48	15°	15°	-		LSB43001X	F03FS10236
430	4,4	3,2	75	48	15°	15°	4/15/105	Giben	LSB43002X	F03FS10237
430	4,4	3,2	30	60	15°	15°	2/10/60		LSB43004X	F03FS10238
430	4,4	3,2	75	60	15°	15°	4/15/105	Giben	LSB43005X	F03FS10239
430	4,4	3,2	80	60	15°	15°	2/9/130 + 2/14/110 + 4/19/120	Selco - Gabbiani	LSB43006X	F03FS10240
430	4,4	3,2	30	72	15°	15°	2/13/94		LSB43007X	F03FS09177
430	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSB43012X	F03FS09178
430	4,4	3,2	75	72	15°	15°	4/15/105 + 2/7/110	Giben	LSB43008X	F03FS07908
430	4,4	3,2	80	72	15°	15°	2/9/130 + 2/14/110 + 4/19/120	Selco, Gabbiani	LSB43009X	F03FS07909

D mm	B mm	b mm	d mm	Z	α	β	NL	Machines	Freud Code	Art. No.
430	4,4	3,2	75	96	15°	15°	4/15/105 + 2/7/110	Giben Prismatic	LSB43010X	F03FS09179
430	4,8	3,5	70	72	15°	15°	4/11/130	Selco	LSB43013X	F03FS09180
450	4,4	3,2	30	48	15°	15°	2/9/60	Mayer, Panhans, SCM	LSB45001X	F03FS10241
450	4,4	3,2	60	48	15°	15°	2/14/125	Holzma	LSB45002X	F03FS10242
450	4,4	3,2	30	60	15°	15°	2/10/60	Mayer, Panhans, SCM	LSB45004X	F03FS10243
450	4,4	3,2	60	60	15°	15°	2/14/125	Holzma	LSB45005X	F03FS10244
450	4,4	3,2	80	60	15°	15°	2/9/130 + 4/19/120 + 2/14/110	Selco - Gabbiani	LSB45006X	F03FS10245
450	4,4	3,2	30	72	15°	15°	2/10/60 + 2/14/95	Mayer, Panhans, SCM	LSB45007X	F03FS09181
450	4,4	3,2	60	72	15°	15°	2/14/125	Holzma	LSB45008X	F03FS09182
450	4,4	3,2	80	72	15°	15°	2/9/130 + 2/14/110 + 4/19/120	Selco, Gabbiani	LSB45009X	F03FS07811
450	4,8	3,5	30	72	15°	15°	2/9/60	Scheer	LSB45016X	F03FS10246
450	4,8	3,5	60	72	15°	15°	2/14/125 + 2/17/100	Holzma, Nanxing	LSB45017X	F03FS07391
450	4,8	3,5	80	72	15°	15°	4/19/120 + 2/14/125 + 2/9/130	Selco	LSB45018X	F03FS07812
450	4,8	3,5	60	84	15°	15°	2/14/125	Holzma	LSB45019X	F03FS10247
460	4,4	3,2	30	72	15°	15°	2/13/94	Schelling	LSB46001X	F03FS08922
460	4,4	3,2	75	72	15°	15°	2/7/110	Giben	LSB46002X	F03FS07914
460	4,4	3,2	80	72	15°	15°	2/14/110 + 4/9/100	Gabbiani	LSB46003X	F03FS09950
470	4,4	3,2	75	48	15°	15°	4/15/105	Giben	LSB47001X	F03FS10248
470	4,4	3,2	75	60	15°	15°	4/15/105	Giben	LSB47002X	F03FS10249
470	4,4	3,2	75	72	15°	15°	4/15/105	Giben, Hyundai Sangi	LSB47003X	F03FS09183
470	4,4	3,2	75	96	15°	15°	4/15/105	Giben	LSB47004X	F03FS09184
470	4,8	3,5	70	72	15°	15°	4/11/130	Selco	LSB47005X	F03FS09185
480	4,4	3,2	30	72	15°	15°	2/10/60 + 2/13/94	Schelling	LSB48007X	F03FS09914
480	4,8	3,5	80	60	15°	15°	2/9/130 + 4/19/120	Selco	LSB48003X	F03FS09186
480	4,8	3,5	30	72	15°	15°	2/10/60 + 2/13/94	Schelling	LSB48004X	F03FS09187
480	4,8	3,5	60	72	15°	15°	2/19/120		LSB48006X	F03FS10269
480	4,8	3,5	80	72	15°	15°	2/9/130 + 4/19/120	Selco	LSB48001X	F03FS09188
500	4,4	3,2	30	60	15°	15°	2/13/94	Schelling	LSB50003X	F03FS10250
500	4,4	3,2	30	72	15°	15°	2/13/94	Schelling	LSB50005X	F03FS10251
500	4,8	3,5	60	60	15°	15°	2/11/115	Holzma	LSB50009X	F03FS09189
500	4,8	3,5	75	60	15°	15°	4/15/105	Giben	LSB50010X	F03FS09190
500	4,8	3,5	60	72	15°	15°	2/11/115	Holzma	LSB50011X	F03FS09191
510	4,8	3,5	80	72	15°	15°	2/9/130 + 4/19/120	Selco	LSB51001X	F03FS09984
520	4,4	3,2	30	54	15°	15°	2/13/94	Schelling	LSB52005X	F03FS10253
520	4,4	3,2	30	72	15°	15°	2/13/94	Schelling	LSB52008X	F03FS09602
520	4,8	3,5	60	60	15°	15°	2/11/115 + 2/19/120	Holzma	LSB52002X	F03FS10252
520	4,8	3,5	70	60	15°	15°	4/11/130		LSB52009X	F03FS09958
520	4,8	3,5	30	72	15°	15°	2/13/94	Schelling	LSB52007X	F03FS09319
520	4,8	3,5	60	72	15°	15°	2/11/115 + 2/19/120	Holzma	LSB52003X	F03FS09192
520	4,8	3,5	70	72	15°	15°	4/11/130	Selco	LSB52006X	F03FS09193
530	4,8	3,5	75	72	15°	15°	2/7/110	Giben	LSB53004X	F03FS09651
530	5,2	3,5	30	60	15°	15°	-	Schelling	LSB53001X	F03FS09194
530	5,2	3,5	100	60	15°	15°	2/7/140		LSB53003X	F03FS09195
530	5,8	4,0	60	60	15°	15°	1/11/85	Anthon	LSB53002X	F03FS10254
540	4,8	3,5	60	60	15°	15°	2/11/115 + 2/19/120	Holzma Typ 33	LSB54002X	F03FS10255
540	4,8	3,5	60	72	15°	15°	2/11/115 + 2/19/120	Holzma Typ 33	LSB54003X	F03FS10256
550	5	3,5	40	72	15°	15°	2/13/122	Schelling	LSB55007X	F03FS09216
550	5,2	3,5	80	48	15°	15°	2/14/110	Gabbiani	LSB55005X	F03FS10257
550	5,2	3,5	40	72	15°	15°	2/13/122		LSB55009X	F03FS09915
550	5,2	3,5	60	60	15°	15°	-		LSB55002X	F03FS09196
550	5,2	3,5	75	60	15°	15°	4/10,5/140		LSB55010X	F03FS10030
550	5,2	3,5	80	60	15°	15°	2/14/110	Gabbiani	LSB55006X	F03FS09197
550	5,2	3,5	90	60	15°	15°	-	Giben	LSB55008X	F03FS09970
565	5	3,5	100	72	15°	15°	-	Giben	LSB56504X	F03FS09215
565	5,2	3,5	100	60	15°	15°	-	Giben	LSB56502X	F03FS09198
570	4,8	3,5	60	60	15°	15°	2/11/115 + 2/19/120	Holzma	LSB57001X	F03FS09199
600	5,8	4,0	60	60	15°	15°	2/11/115 + 2/19/120	Holzma Typ 33	LSB60001X	F03FS09200
600	5,8	4,0	70	60	15°	15°	4/11/130		LSB60004X	F03FS10258
600	5,8	4,0	75	60	15°	15°	4/6,5/130 + 4/11/130	Selco	LSB60006X	F03FS10259
600	5,8	4,0	60	72	15°	15°	2/11/115 + 2/19/120	Holzma Typ 33	LSB60002X	F03FS09201
670	6,2	4,2	40	60	18°	13°	2/17/140 + 2/13/140	Schelling	LSB67003X	F03FS09202
670	6,2	4,2	40	72	18°	13°	2/17/140 + 2/13/140	Schelling	LSB67004X	F03FS10260
680	6,2	4,2	40	60	18°	13°	2/13/140 + 2/17/140 + 2/13/114	Schelling	LSB68001X	F03FS09203
720	6,4	4,4	40	60	18°	13°	2/14/114 + 2/14/140	Schelling	LSB72001X	F03FS09204

LSC

"Supercut" panel sizing saw blades with variable pitch



Horizontal Panel Sizing Machines

Chipboard	Laminated Chipboard	MDF	Laminated MDF
●●	●●	●●	●●

●●● Ultimate ●● High ● Good

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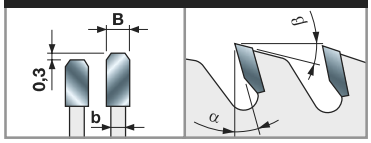
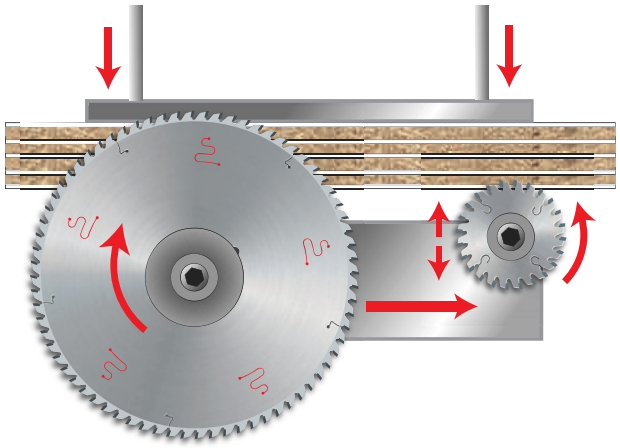
Anti-vibration TECHNOLOGY

HW H00XA - Double triple chip tooth





Machines:
Horizontal panel sizing machines.

Materials:
Wood based panels, laminated chipboard, MDF and laminated MDF.

Applications:
Panel sizing.

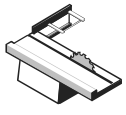
Technical information:
Saw blades suitable for sizing of single panels or small stacks with very good finishing, thanks to the double triple chip tooth grinding.

*Dedicated laser marking.

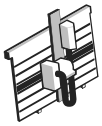
D mm	B mm	b mm	d mm	Z	α	β	NL	Machines	Freud Code	Art. No.
300	4,4	3,0	30	60	10°	15°	2/10/60	Panhans	LSC30001	F03FS06322
300	4,4	3,0	65	60	10°	15°	2/9/110	Selco	LSC30002	F03FS06325
300	4,4	3,0	75	60	10°	15°	-	Holzma	LSC30003	F03FS06326
300	4,4	3,0	80	60	10°	15°	2/14/110 + 4/9/100	SCM	LSC30004	F03FS06327
320	4,4	3,2	50	60	10°	15°	3/15/80 + 3/13/95	Giben	LSC32004	F03FS06328
320	4,4	3,2	65	60	10°	15°	2/9/110	Selco	LSC32003	F03FS06329
350	4,4	3,2	30	72	15°	15°	2/10/60	Panhans - Scheer	LSC35003	F03FS06305
350	4,4	3,2	50	72	15°	15°	4/13/80	Giben	LSC35006	F03FS06309
350	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSC35004	F03FS06310
350	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSC35005	F03FS06311
355	4,4	3,2	30	72	15°	15°	2/10/60	Panhans - SCM	LSC35504	F03FS06306
355	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSC35508BS*	F03FS07869
355	4,4	3,2	75	72	15°	15°	-	Giben	LSC35505	F03FS06307
360	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSC36002	F03FS06308
370	4,4	3,2	30	72	15°	15°	2/10/60	Schelling	LSC37001	F03FS06312
380	4,4	3,2	50	72	15°	15°	4/13/80	Giben	LSC38008	F03FS06343
380	4,4	3,2	60	72	15°	15°	2/14/100	Holzma	LSC38002	F03FS06313
380	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSC38010	F03FS06314
380	4,8	3,5	60	72	15°	15°	2/14/100	Holzma	LSC38004	F03FS06332
400	4,4	3,2	30	72	15°	15°	2/10/60	Scheer	LSC40007	F03FS06315
400	4,4	3,2	65	72	15°	15°	2/9/110	Selco	LSC40016BS*	F03FS07870
400	4,4	3,2	75	72	15°	15°	4/15/105	Giben	LSC40008	F03FS06317
400	4,4	3,2	80	72	15°	15°	4/19/120 + 2/9/130	Selco	LSC40009	F03FS06319
400	4,4	3,2	80	72	15°	15°	4/9/100 + 2/9/110 + 2/14/110	Gabbiani	LSC40012	F03FS06320
430	4,4	3,2	75	72	15°	15°	4/15/105	Giben	LSC43008	F03FS06316
430	4,4	3,2	80	72	15°	15°	2/9/130 + 2/14/110 + 4/19/120	Selco - Gabbiani	LSC43009	F03FS06321
450	4,4	3,2	60	72	15°	15°	2/14/125	Holzma	LSC45008	F03FS06318
450	4,8	3,5	60	72	15°	15°	2/14/125	Holzma	LSC45017	F03FS06323
450	4,8	3,5	80	72	15°	15°	2/9/130 + 4/19/120	Selco	LSC45018	F03FS06324
520	4,8	3,5	30	72	18°	13°	2/13/94	Schelling	LSC52007	F03FS07879

LU3A

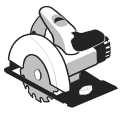
Saw blades to cut bilaminated panels



Squaring Saws



Vertical Panel Sizing Machines



Hand-held Circular Saws

Laminated Chipboard ●●●

Laminated MDF ●●●

Plywood ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	α	NL		Freud Code	Art. No.
160	2,2	1,6	20	48	-2°	-		LU3A 0001	F03FS07411
190	2,5	1,8	30	48	-2°	-		LU3A 0002	F03FS07412
210	2,5	1,8	30	54	-2°	-		LU3A 0003	F03FS07413

D mm	B mm	b mm	d mm	Z	α	NL		Freud Code	Art. No.
220	3,2	2,2	30	64	-5°	2/7/42		LU3A 0100	F03FS05059
250	3,2	2,2	30	80	-2°	FT01		LU3A 0200	F03FS05061
300	3,2	2,2	25,4	96	2°	-		LU3A 0600	F03FS05807
300	3,2	2,2	30	96	2°	FT01		LU3A 0300	F03FS05064
350	3,5	2,5	30	108	5°	FT02		LU3A 0400	F03FS05066

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

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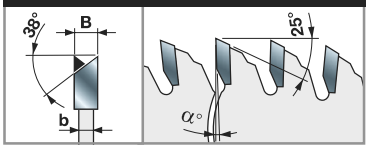
Anti-vibration TECHNOLOGY

HW H00K - ATB 38° tooth

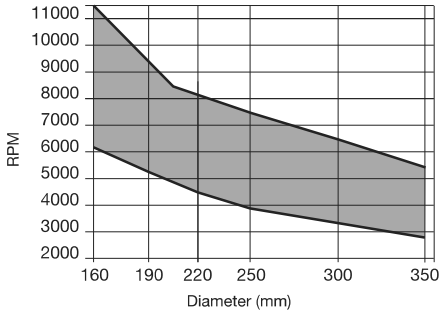


Machines:
Squaring saws and vertical panel sizing machines, hand-held circular saws.

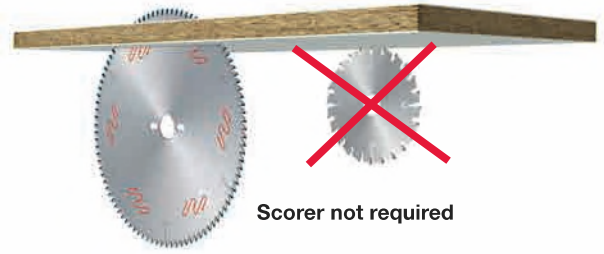
Materials:
Laminated chipboard, laminated MDF and plywood.

Applications:
Panel sizing.

Technical information:
To size chipboard and MDF bilaminated panels. The ATB 38° tooth geometry grants perfect finishing on both sides.
No scoring saw blades needed.

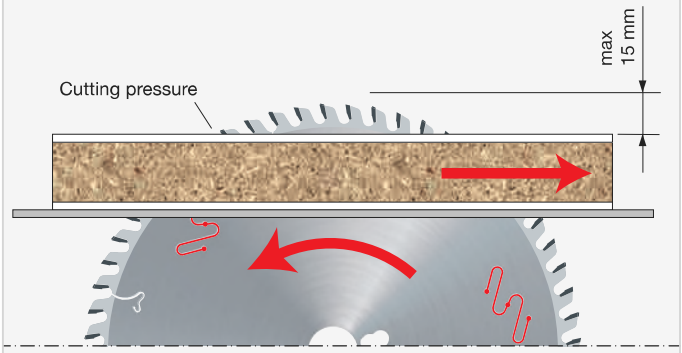


Minimum and maximum RPM based on the blade diameter.



Scorer not required

Working with spindle under the working plane

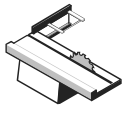


The cutting pressure acts over the working plane.

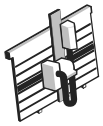
With negative hook angle, the cutting pressure acts over the working plane.

LU3B

Saw blades to cut bilaminated panels



Squaring Saws



Vertical Panel Sizing Machines

Plywood ●●●

Laminated Chipboard ●●●

Laminated MDF ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
220	3,2	2,2	30	42	2/7/42		**LU3B 0100**	F03FS05069
250	3,2	2,2	30	48	FT01		**LU3B 0200**	F03FS05071
303	3,2	2,2	30	60	FT01		**LU3B 0300**	F03FS05073
350	3,2	2,2	30	72	FT01		**LU3B 0400**	F03FS05075

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
303	3,2	2,2	30	60	FT01		**LU3B 1300 ***	F03FS06478

Features: Flat - triple chip tooth with concave face and positive cutting angle.

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

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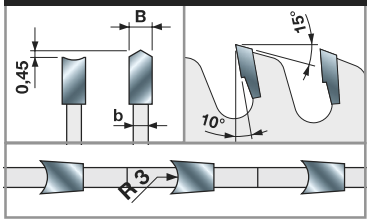
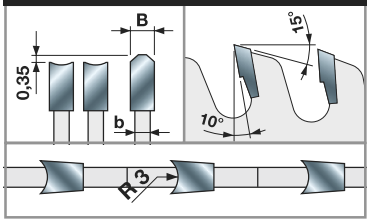
Anti-vibration TECHNOLOGY

HW H00K - Concave tooth



HW H00K - Concave tooth *

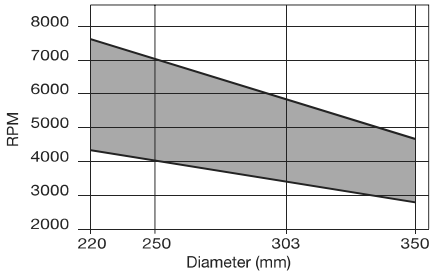


Machines:
Squaring saws and vertical panel sizing machines.

Materials:
Plywood, laminated chipboard and laminated MDF.

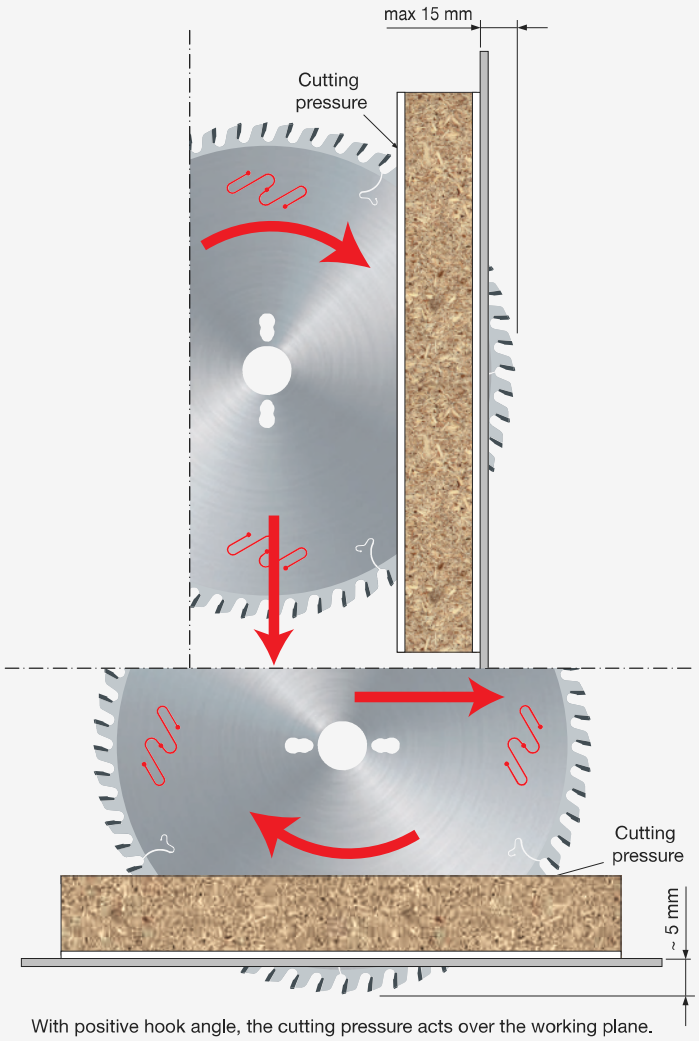
Applications:
Panel sizing.

Technical information:
To size chipboard and MDF bilaminated panels with good finishing and long cutting life.
No scoring saw blades needed.



Minimum and maximum RPM based on the blade diameter.

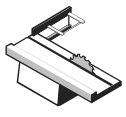
Working with spindle over the working plane



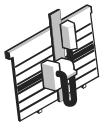
With positive hook angle, the cutting pressure acts over the working plane.

LU3C

Saw blades to cut bilaminated panels



Squaring Saws



Vertical Panel Sizing Machines

Plywood ●●●

Laminated Chipboard ●●●

Laminated MDF ●●●

●●● Ultimate ●● High ● Good

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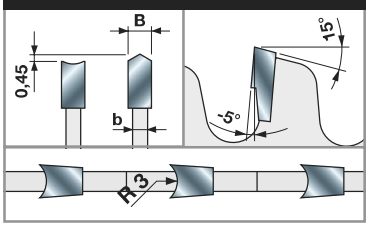
Anti-vibration TECHNOLOGY

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
220	3,2	2,2	30	42	2/7/42	LU3C 0100	F03FS05076
250	3,2	2,2	30	48	FT01	LU3C 0200	F03FS05077
303	3,2	2,2	30	60	FT01	LU3C 0300	F03FS05078
350	3,2	2,2	30	72	FT01	LU3C 0400	F03FS05080

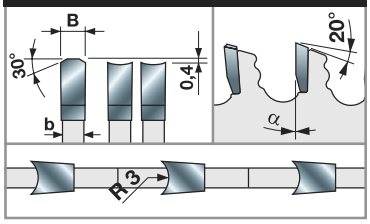
D mm	B mm	b mm	d mm	Z	α	NL	Freud Code	Art. No.
250	3,4	2,4	30	54	-2°	FT01	LU3C 0204 *	F03FS09537
303	3,4	2,4	30	66	0°	FT01	LU3C 0302 *	F03FS09038

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

HW H00K - Concave tooth



HW H00K - Concave tooth *



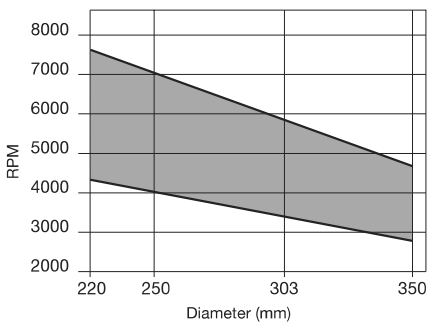
Scorer not required

Machines:
Squaring saws and vertical panel sizing machines.

Materials:
Plywood, laminated chipboard and laminated MDF.

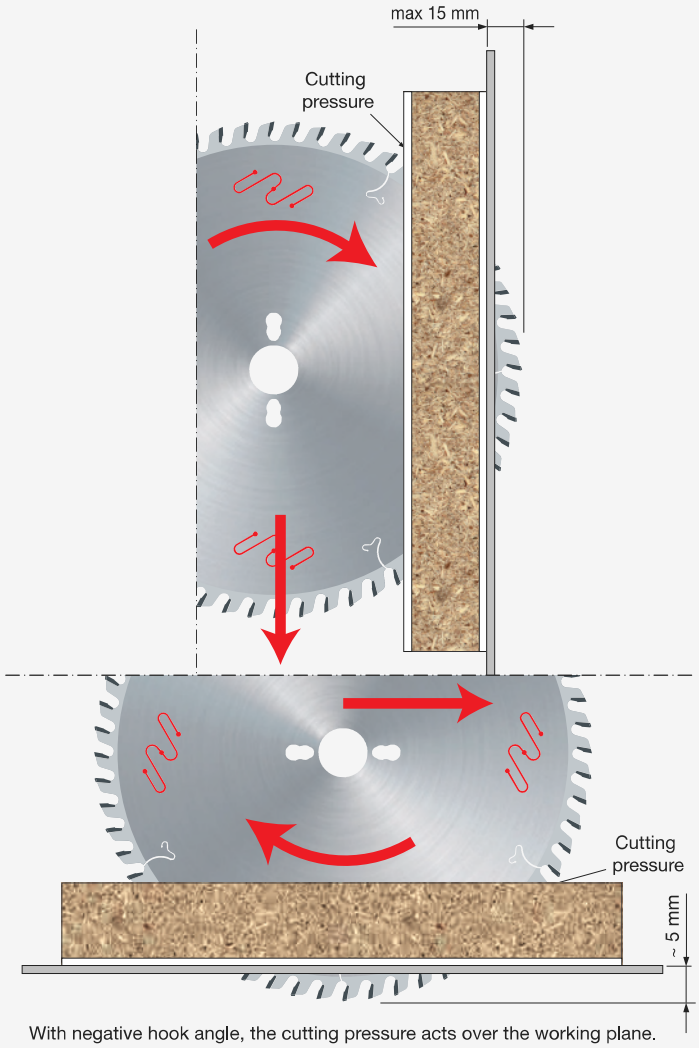
Applications:
Panel sizing.

Technical information:
Recommended for vertical panel sizing machines.
To size chipboard and MDF bilaminated panels with good finishing and long cutting life.
No scoring saw blades needed.



Minimum and maximum RPM based on the blade diameter.

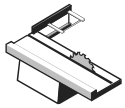
Working with spindle over the working plane



With negative hook angle, the cutting pressure acts over the working plane.

LU3D

Saw blades to cut bilaminated panels



Squaring Saws

Chipboard	Laminated Chipboard	MDF	Laminated MDF
			
●●●	●●●	●●●	●●●

●●● Ultimate ●● High ● Good

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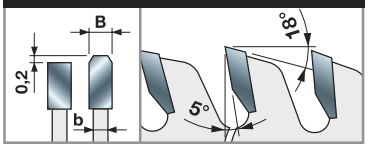
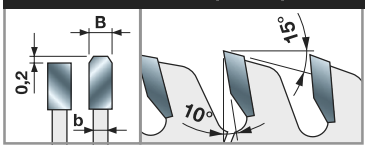
Anti-vibration TECHNOLOGY

HW H00XA - Flat-triple chip tooth



HW H00XA - Flat-triple chip tooth



Machines:
Squaring saws.

Materials:
Wood based panels, laminated chipboard, MDF and laminated MDF.

Applications:
Panel sizing.

Technical information:
To size chipboard and MDF bilaminated panels with the use of the scoring saw blade, in detail melamine-coated panels, with good finishing and long cutting life.

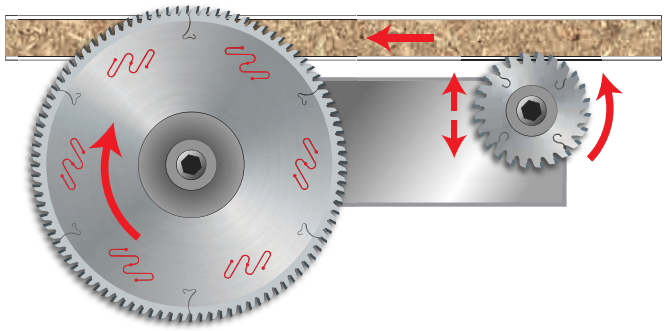
Hook angle 5° for cutting heights up to 30 mm

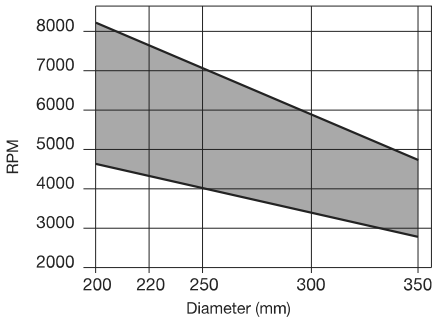
D mm	B mm	b mm	d mm	Z	α	NL		Freud Code	Art. No.
200	3,2	2,2	30	64	5°	2/7/42		**LU3D 0100**	F03FS05081
220	3,2	2,2	30	64	5°	-		**LU3D 0200**	F03FS05083
250	3,2	2,2	30	80	5°	FT01		**LU3D 0400**	F03FS05088
250	3,2	2,2	55	80	5°	-		**LU3D 0455**	F03FS09973
300	3,2	2,2	30	96	5°	FT01		**LU3D 0600**	F03FS05093
300	3,2	2,2	35	96	5°	-		**LU3D 0700**	F03FS05096
350	3,5	2,5	30	108	5°	FT02		**LU3D 0900**	F03FS05098

Hook angle 10° for cutting heights up to 40 mm

D mm	B mm	b mm	d mm	Z	α	NL		Freud Code	Art. No.
250	3,2	2,2	30	60	10°	FT01		**LU3D 1100**	F03FS05100
250	3,2	2,2	60	60	10°	2/11/85		**LU3D 1160**	F03FS09974
300	3,2	2,2	30	72	10°	FT01		**LU3D 2100**	F03FS05810
300	3,2	2,2	30	84	10°	FT01		**LU3D 1300**	F03FS05101
300	3,2	2,2	30	96	10°	FT01		**LU3D 1500**	F03FS05104
350	3,5	2,5	30	72	10°	FT02		**LU3D 2000**	F03FS05108
350	3,5	2,5	30	108	10°	FT02		**LU3D 1700**	F03FS05105

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

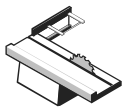




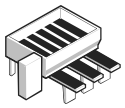
Minimum and maximum RPM based on the blade diameter.

LU3E

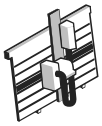
Saw blades to cut bilaminated panels



Squaring Saws



Horizontal Panel Sizing Machines



Vertical Panel Sizing Machines

Laminated Chipboard ●●●

Laminated MDF ●●●

●●● Ultimate ●● High ● Good

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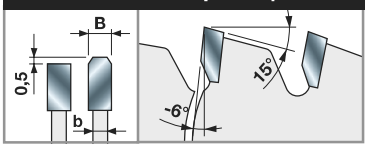
Anti-vibration TECHNOLOGY

HW H00K - Flat-triple chip tooth



D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
220	3,2	2,2	30	56	2/7/42	**LU3E 0100**	F03FS05109
250	3,2	2,2	30	60	FT01	**LU3E 0200**	F03FS05111
300	3,2	2,2	30	72	FT01	**LU3E 0300**	F03FS05113
350	3,5	2,5	30	84	FT02	**LU3E 0400**	F03FS05115

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

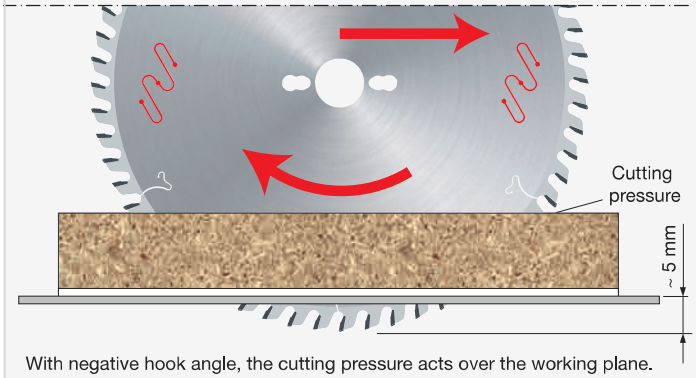
Machines:
Squaring saws, horizontal and vertical panel sizing machines.

Materials:
Laminated chipboard and laminated MDF.

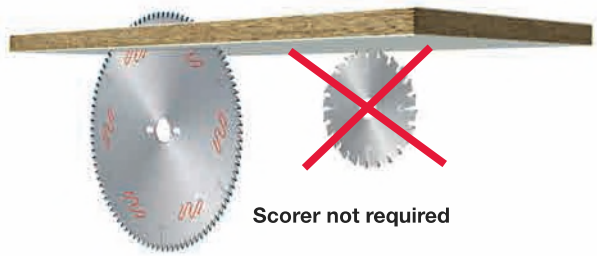
Applications:
Panel sizing.

Technical information:
To size chipboard and MDF bilaminated panels with thickness up to 40 mm.
In detail, it is suitable to work melamine-coated panels.
No scoring saw blades needed.

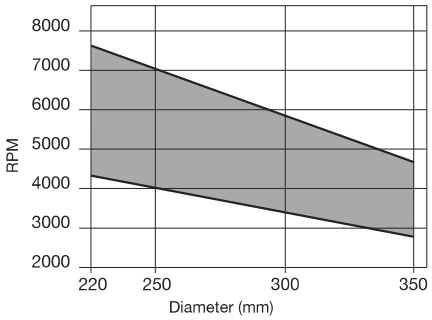
Working with spindle over the working plane



With negative hook angle, the cutting pressure acts over the working plane.



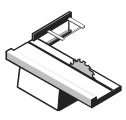
Scorer not required

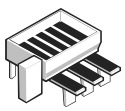


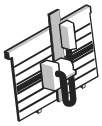
Minimum and maximum RPM based on the blade diameter.

LU3F

Saw blades to cut bilaminated panels and plastic materials


Squaring Saws


Horizontal Panel Sizing Machines


Vertical Panel Sizing Machines


Laminated Chipboard


Laminated MDF


Thermoplastic Composites

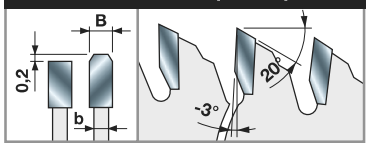

HPL


Plastics

●●● ●●● ●●● ●●● ●●●

●●● Ultimate ●● High ● Good

HW H00XF - Flat-triple chip tooth



D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
220	3,2	2,2	30	64	2/7/42	**LU3F 0100**	F03FS05117
250	3,2	2,2	30	80	FT01	**LU3F 0200**	F03FS05119
300	3,2	2,2	30	96	FT01	**LU3F 0300**	F03FS05121
350	3,5	2,5	30	108	FT02	**LU3F 0400**	F03FS05124

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

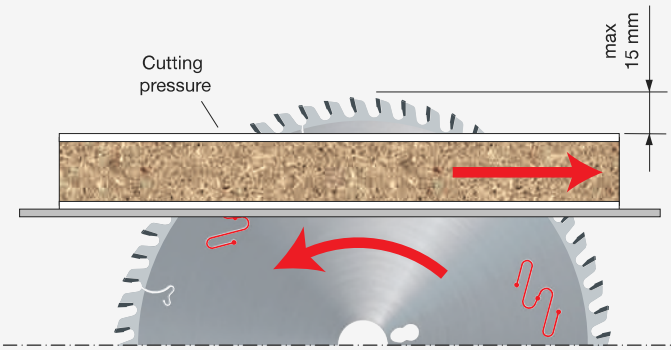
Machines:
Squaring saws, horizontal and vertical panel sizing machines.

Materials:
Laminated chipboard, laminated MDF, thermoplastic composites, HPL and plastics.

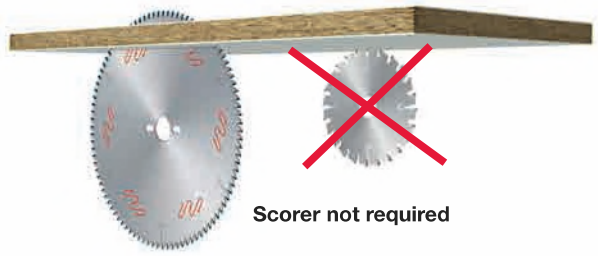
Applications:
Panel sizing.

Technical information:
Suitable to work melamine-coated chipboard and MDF panels and plastic materials.
No scoring saw blades needed.
The H00XF Carbide grants extremely long blade lifetime.

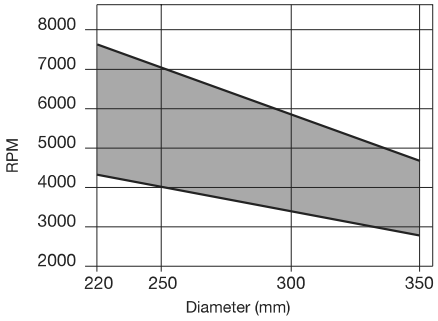
Working with spindle under the working plane



With negative hook angle, the cutting pressure acts over the working plane.



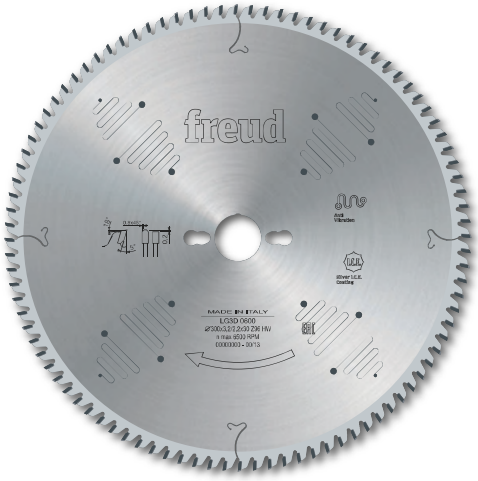
Scorer not required

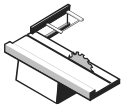


Minimum and maximum RPM based on the blade diameter.

LG3D

Saw blades to cut bilaminated panels





Squaring Saws

Chipboard	Laminated Chipboard	MDF	Laminated MDF
●●	●●	●●	●●

●●● Ultimate ●● High ● Good

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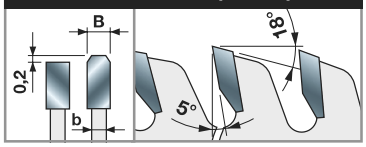
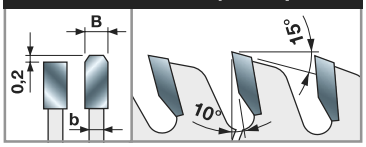
Anti-vibration TECHNOLOGY

HW H00XA - Flat-triple chip tooth



HW H00XA - Flat-triple chip tooth



Machines:
Squaring saws.

Materials:
Wood based panels, laminated chipboard, MDF and laminated MDF.

Applications:
Panel sizing.

Technical information:
To size chipboard and MDF bilaminated panels with the employment of the scoring saw blade, in detail melamine-coated panels, with good finishing and long cutting life.

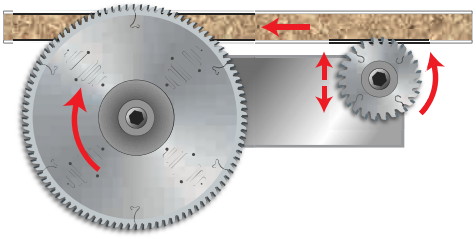
Hook angle 5°

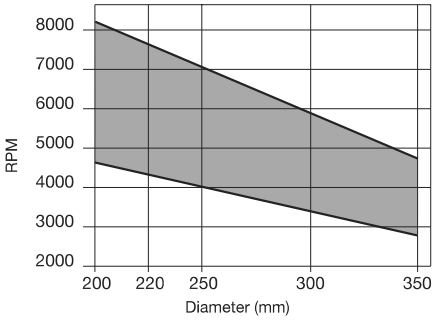
D mm	B mm	b mm	d mm	Z	α	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	5°	FT01	**LG3D 0400**	F03FS07438
300	3,2	2,2	30	96	5°	FT01	**LG3D 0600**	F03FS07436
350	3,5	2,5	30	108	5°	FT02	**LG3D 0900**	F03FS07437

Hook angle 10°

D mm	B mm	b mm	d mm	Z	α	NL	Freud Code	Art. No.
300	3,2	2,2	30	72	10°	FT01	**LG3D 2100**	F03FS07574
350	3,5	2,5	30	72	10°	FT02	**LG3D 2000**	F03FS07573

FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

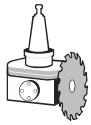




Minimum and maximum RPM based on the blade diameter.

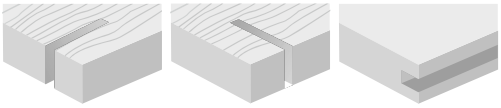
LU34M

Saw blades for grooving and sizing on CNC units



CNC Cutting Units

Softwood | Hardwood | Laminated Chipboard | Laminated MDF | Plywood



Ripping	Crosscutting	Grooving
●●	●●	●●

●●● Ultimate ●● High ● Good

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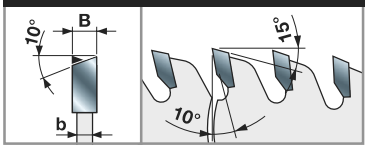
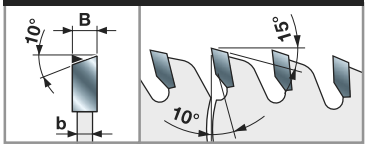
HW H00K - ATB 10° tooth



HW H00XA - ATB 10° tooth **



D mm	B mm	b mm	d mm	Z	Max RPM 1/min.	Freud Code	Art. No.
120	4,0	3,0	30	18	12.000	**LU34M40AC3**	F03FS06095
120	4,0	3,0	20	30	12.000	**LU34M40EA3**	F03FS06367
120	4,0	3,0	35	30	12.000	**LU34M40EC3***	F03FS05141
120	5,0	3,0	30	18	12.000	**LU34M50AC3**	F03FS06096
120	5,0	3,0	35	30	12.000	**LU34M50EC3***	F03FS05143
120	6,0	3,0	30	18**	12.000	**LU34M60AC3**	F03FS06097
120	6,0	3,0	35	30**	12.000	**LU34M60EC3***	F03FS05145
180	4,0	3,0	35	44	10.000	**LU34M40NC3***	F03FS05142
180	5,0	3,0	35	44	10.000	**LU34M50NC3***	F03FS05144
180	6,0	3,0	35	44**	10.000	**LU34M60NC3***	F03FS05146

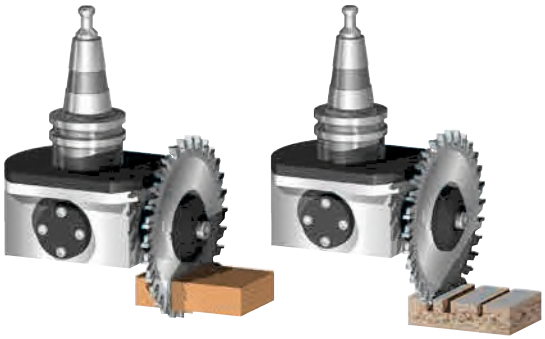
Machines:
CNC cutting units.

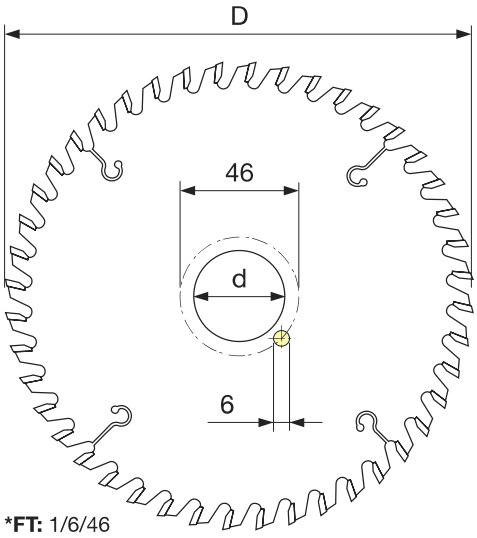
Materials:
Softwood, hardwood, laminated chipboard, laminated MDF and plywood.

Applications:
Sizing on CNC, ripping, crosscutting, grooving on CNC.

Technical information:
Saw blades dedicated to CNC machines.
For grooving along and across grain on softwood, hardwood and laminates.

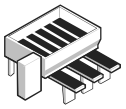
Working examples



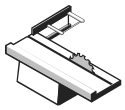


***FT:** 1/6/46

LI25M Conical scoring saw blades



Horizontal Panel Sizing Machines



Squaring Saws

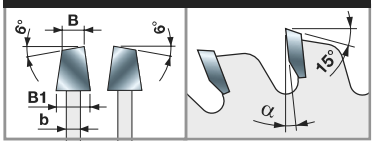
Laminated Chipboard

Laminated MDF

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW H00XA - ATB 6° conical tooth



Machines:
Horizontal panel sizing machines and squaring saws.

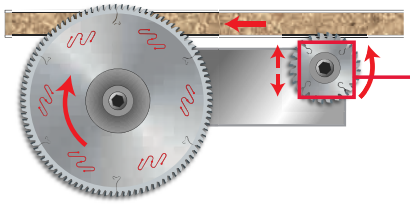
Materials:
Laminated chipboard and laminated MDF.

Applications:
Panel scoring.

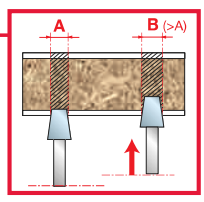
Technical information:
To score the coating on bilaminated panels.

D mm	B-B1 mm	b mm	d mm	Z	α	NL	Machines	Freud Code	Art. No.
80	3,1 - 4,3	2,2	20	12	0°	-	Casadei	**LI25M31AA3**	F03FS02606
80	3,1 - 4,3	2,2	22	12	0°	-		**LI25M31AB3**	F03FS02608
100	3,1 - 4,3	2,5	20	20	0°	-		**LI25M31BC3**	F03FS06099
100	3,1 - 4,3	2,2	20	24	0°	-	Schelling	**LI25M31BA3**	F03FS02610
100	3,1 - 4,3	2,2	22	24	0°	-		**LI25M31BB3**	F03FS02612
110	3,1 - 4,3	2,2	20	24	0°	-		**LI25M31CA3**	F03FS02614
110	3,1 - 4,3	2,2	22	24	0°	-		**LI25M31CB3**	F03FS02615
115	3,1 - 4,3	2,2	20	24	0°	-		**LI25M31DA3**	F03FS02616
115	3,1 - 4,3	2,2	22	24	0°	-		**LI25M31DB3**	F03FS02618
115	4,1 - 5,3	3,0	45	24	0°	-	SCM	**LI25M41DE3**	F03FS08039
120	2,8 - 4,0	2,2	20	24	0°	-	Schelling	**LI25M28EA3**	F03FS02604
120	2,8 - 4,0	2,2	22	24	0°	-		**LI25M28EB3**	F03FS02605
120	3,1 - 4,3	2,2	20	24	0°	-		**LI25M31EA3**	F03FS02620
120	3,1 - 4,3	2,2	22	24	0°	-		**LI25M31EB3**	F03FS02622
120	3,1 - 4,3	2,5	20	24	0°	-		**LI25M31EC3**	F03FS05978
120	3,4 - 4,6	2,2	20	24	0°	-	SCM	**LI25M34EA3**	F03FS02632
125	3,1 - 4,3	2,2	20	24	0°	-	Panhans - Schelling	**LI25M31FA3**	F03FS02623
125	3,1 - 4,3	2,2	22	24	0°	-	Martin	**LI25M31FB3**	F03FS02625
125	3,1 - 4,3	2,5	20	24	0°	-	Panhans - Schelling	**LI25M31FC3**	F03FS05932
125	3,4 - 4,6	2,2	20	24	0°	-		**LI25M34FA3**	F03FS02634
125	3,4 - 4,6	2,2	45	24	0°	-		**LI25M34FE3**	F03FS02636
125	4,3 - 5,5	3,2	20	24	0°	-	Panhans - Gabbiani	**LI25M43FA3**	F03FS02643
125	4,3 - 5,5	3,2	45	24	0°	-	Giben - Homag	**LI25M43FE3**	F03FS02645
125	4,5 - 5,7	3,0	20	24	0°	-		**LI25M45FA3**	F03FS02697
125	4,5 - 5,7	3,0	45	24	0°	-	Giben - Homag	**LI25M45FE3**	F03FS02699
140	3,1 - 4,3	2,2	16	28	8°	1/6/33	Scheer	**LI25M31HM3**	F03FS02627
140	3,4 - 4,6	3,0	45	24	8°	-		**LI25M34HE3**	F03FS02638
140	4,3 - 5,5	3,2	45	28	8°	-	Euromac	**LI25M43HE3**	F03FS02647
140	4,5 - 5,7	3,0	45	24	8°	-		**LI25M45HE3**	F03FS02701
145	4,3 - 5,5	3,2	45	30	8°	-	Hansol Machine	**LI25M43WE3**	F03FS08015
150	3,1 - 4,3	2,2	30	36	8°	-	SCM	**LI25M31KC3**	F03FS02628
150	3,4 - 4,6	2,2	30	36	8°	-	SCM	**LI25M34KC3**	F03FS02639
150	4,3 - 5,6	3,2	30	36	8°	-	SCM, Verry	**LI25M43KC3**	F03FS02649
150	4,3 - 5,6	3,2	45	36	8°	-	SCM, Holzma, Homag, Haisung Woodworking Machinery	**LI25M43KE3**	F03FS02651
150	4,5 - 5,8	3,0	30	36	8°	-	SCM	**LI25M45KC3**	F03FS02702
150	4,5 - 5,8	3,0	45	36	8°	-	SCM	**LI25M45KE3**	F03FS02704
160	3,1 - 4,3	2,2	20	36	8°	-	Langzauner	**LI25M31LA3**	F03FS02630
160	3,4 - 4,6	2,2	25,4	36	8°	-		**LI25M34LR3**	F03FS02641
160	4,3 - 5,5	3,2	25,4	36	8°	-		**LI25M43LR3**	F03FS02660
160	4,3 - 5,5	3,2	30	36	8°	-	Langzauner	**LI25M43LC3**	F03FS02653

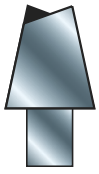
D mm	B-B1 mm	b mm	d mm	Z	α	NL	Machines	Freud Code	Art. No.
160	4,3 - 5,5	3,2	45	36	8°	3/11/70	Giben	**LI25M43LE3**	F03FS02655
160	4,3 - 5,5	3,2	55	36	8°	3/6/84 + 3/7/66	Gabbiani - SCM	**LI25M43LG3**	F03FS02657
160	4,3 - 5,5	3,2	60	36	8°	3/7/80		**LI25M43LH3**	F03FS02659
160	4,5 - 5,7	3,0	45	36	8°	3/11/70	Giben	**LI25M45LE3**	F03FS02706
160	4,5 - 5,7	3,0	55	36	8°	3/7/66 + 3/9/72	Gabbiani	**LI25M45LG3**	F03FS02708
175	4,3 - 5,5	3,2	75	36	8°	-	Wonpoong	**LI25M43WT3**	F03FS07816
180	3,1 - 4,3	2,2	16	42	8°	1/6/33	Scheer	**LI25M31NM3**	F03FS02631
180	3,4 - 4,6	2,2	25,4	36	8°	-		**LI25M34NR3**	F03FS02642
180	4,3 - 5,5	3,2	20	28	8°	-	Schelling - Anthon	**LI25M43NA3**	F03FS02661
180	4,3 - 5,5	3,2	30	28	8°	2/7/42 + 2/10/60	Panhans - Holzer	**LI25M43NC3**	F03FS02663
180	4,3 - 5,5	3,2	20	36	8°	-	Schelling - Anthon	**LI25M43XA3**	F03FS06372
180	4,3 - 5,5	3,2	30	36	8°	2/7/42 + 2/10/60	Holzher, Nanxing, KDT	**LI25M43XN3**	F03FS06373
180	4,3 - 5,5	3,2	45	36	8°	-	Holzma	**LI25M43NE3**	F03FS02664
180	4,3 - 5,5	3,2	50	36	8°	3/13/80	Giben	**LI25M43NF3**	F03FS02666
180	4,5 - 5,7	3,0	20	36	8°	-	Schelling - Anthon	**LI25M45NA3**	F03FS02710
180	4,7 - 5,9	3,5	45	36	8°	-	Holzma	**LI25M47NE3**	F03FS02715
180	5,1 - 6,3	3,5	55	36	8°	3/7/66	Gabbiani	**LI25M51NG3**	F03FS02724
180	5,7 - 6,9	4,0	20	36	8°	-	Anthon - Holzma	**LI25M57NA3**	F03FS02727
200	4,3 - 5,5	3,2	20	36	8°	2/10/60 + 2/9/62 + 2/11/66	Schelling	**LI25M43PA3**	F03FS02670
200	4,3 - 5,5	3,2	22	36	8°	-		**LI25M43PB3**	F03FS02673
200	4,3 - 5,5	3,2	30	36	8°	2/9/60 + 2/10/60	Scheer	**LI25M43PC3**	F03FS02674
200	4,3 - 5,5	3,2	45	36	8°	-	Holzma, Hyundai Sangi	**LI25M43PE3**	F03FS02676
200	4,3 - 5,5	3,2	50	36	8°	2/7/80 + 3/13/80	Giben, KDT	**LI25M43PF3**	F03FS02679
200	4,3 - 5,5	3,2	65	36	8°	2/9/100 + 2/9/110	Selco	**LI25M43PI3**	F03FS02681
200	4,3 - 5,5	3,2	75	36	8°	-	Hyundai Sangi	**LI25M43PT3**	F03FS07755
200	4,3 - 5,5	3,2	80	36	8°	2/14/110	Gabbiani	**LI25M43PL3**	F03FS02683
200	4,5 - 5,7	3,0	22	36	8°	-		**LI25M45PB3**	F03FS02712
200	4,5 - 5,7	3,0	65	36	8°	2/9/110	Selco	**LI25M45PI3**	F03FS02714
200	4,7 - 5,9	3,5	20	36	8°	2/11/66		**LI25M47PA3**	F03FS02716
200	4,7 - 5,9	3,5	22	36	8°	-		**LI25M47PB3**	F03FS02717
200	4,7 - 5,9	3,5	30	36	8°	2/9/60	Scheer	**LI25M47PC3**	F03FS02718
200	4,7 - 5,9	3,5	45	36	8°	-	Holzma	**LI25M47PE3**	F03FS02719
200	4,7 - 5,9	3,5	65	36	8°	2/9/100 + 2/9/110	Selco	**LI25M47PI3**	F03FS02720
200	5,4 - 6,6	4,0	20	36	8°	-		**LI25M54PA3**	F03FS02726
200	5,7 - 6,9	4,0	45	36	8°	-	Holzma	**LI25M57PE3**	F03FS02728
200	5,7 - 6,9	3,5	65	36	8°	2/9/110		**LI25M57PI3BS**	F03FS08165
200	6,1 - 7,3	4,0	20	36	8°	2/11/66	Schelling, Scheer	**LI25M61PA3**	F03FS02730
215	4,3 - 5,5	3,2	50	42	8°	2/7/80 + 3/15/80	Giben	**LI25M43QF3**	F03FS02685
215	4,5 - 5,7	3,2	50	42	8°	3/15/80	Giben	**LI25M45PF3**	F03FS02713
220	6,3 - 7,5	4,4	20	36	8°	2/11/66	Schelling	**LI25M63UA3**	F03FS02732
250	3,1 - 4,3	2,2	30	54	8°	-		**LI25M31OC3**	F03FS07595
250	4,3 - 5,5	3,2	50	48	8°	3/13/80	Giben	**LI25M43OF3**	F03FS02669
250	4,3 - 5,5	3,2	30	48	8°	2/10/60		**LI25M43OC3**	F03FS02668
280	4,3 - 5,5	3,2	30	48	12°	2/10/60	Panhans	**LI25M43VC3**	F03FS07419
300	4,3 - 5,5	3,0	65	48	12°	2/9/100 + 2/9/110	Selco	**LI25M43RX3**	F03FS07616
300	4,3 - 5,5	3,2	30	48	12°	2/11/73 + 2/11/75 + 2/13/94	Schelling	**LI25M43RC3**	F03FS07577
300	4,3 - 5,5	3,5	50	48	12°	3/15/80	Giben	**LI25M43RM3**	F03FS02693
300	4,3 - 5,5	3,2	65	72	12°	2/9/100 + 2/9/110	Selco	**LI25M43RI3**	F03FS02689
300	4,3 - 5,5	3,2	80	72	12°	2/14/110		**LI25M43RL3**	F03FS02691
300	4,7 - 5,9	3,5	65	48	6°	2/9/110	Selco	**LI25M47RX3**	F03FS07744
320	4,3 - 5,5	3,0	45	48	12°	-		**LI25M43SE3**	F03FS02696
320	4,3 - 5,5	3,2	45	48	12°	-		**LI25M43SA3**	F03FS02695
340	4,7 - 5,9	3,5	45	72	12°	3/14/65	Holzma	**LI25M47TE3**	F03FS02722

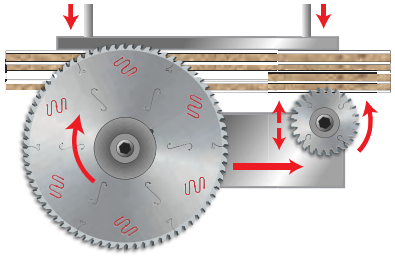


A= Minimum kerf of the scoring saw blade.
B= Maximum kerf of the scoring saw blade.

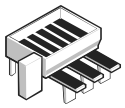


For each 1 mm height displacement the cut becomes 0,25 mm wider.

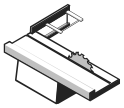




DLI25M Polycrystalline Diamond conical scoring saw blades (H4 - H6)



Horizontal Panel Sizing Machines



Squaring Saws

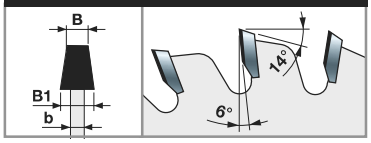
Laminated Chipboard

Laminated MDF

Polycrystalline Diamond TECHNOLOGY

Silver I.C.E. COATING

DP - Conical tooth



Machines:
Horizontal panel sizing machines and squaring saws.

Materials:
Laminated chipboard and laminated MDF.

Applications:
Panel scoring.

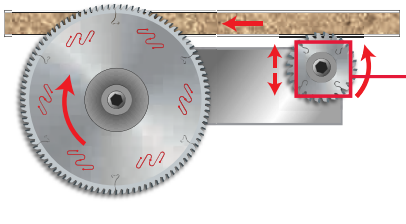
Technical information:
Extremely longer lifetime thanks to the Polycrystalline Diamond teeth material.
Delivered in dedicated wooden boxes.

Polycrystalline Diamond conical scoring saw blades H4

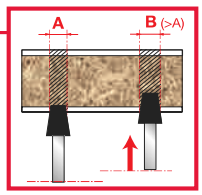
D mm	B-B1 mm	b mm	d mm	Z	NL	Machines	Freud Code	Art. No.
120	2,8 - 3,6	2,2	20	24	-	Schelling	**DLI25M28EAH4**	F03FS09613
120	2,8 - 3,6	2,2	22	24	-		**DLI25M28EBH4**	F03FS09615
120	3,1 - 3,9	2,2	20	24	-		**DLI25M31EAH4**	F03FS09617
125	3,1 - 3,9	2,2	20	24	-	Panhans - Schelling	**DLI25M31FAH4**	F03FS09619
180	4,3 - 5,1	3,2	45	30	-	Holzma	**DLI25M43NEH4**	F03FS09621
180	4,7 - 5,5	3,5	45	30	-	Holzma	**DLI25M47NEH4**	F03FS09623
200	4,3 - 5,1	3,2	65	36	2/9/100 + 2/9/110	Selco	**DLI25M43PIH4**	F03FS09625
200	4,3 - 5,1	3,2	80	36	2/14/110	Gabbiani	**DLI25M43PLH4**	F03FS09627
200	4,7 - 5,5	3,5	45	36	-	Holzma	**DLI25M47PEH4**	F03FS09629
200	4,7 - 5,5	3,5	65	36	2/9/100 + 2/9/110	Selco	**DLI25M47PIH4**	F03FS09631
215	4,3 - 5,1	3,2	50	42	2/7/80 + 3/15/80	Giben	**DLI25M43QFH4**	F03FS09633

Polycrystalline Diamond conical scoring saw blades H6

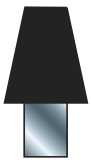
D mm	B-B1 mm	b mm	d mm	Z	NL	Machines	Freud Code	Art. No.
120	2,8 - 3,6	2,2	20	24	-	Schelling	**DLI25M28EAH6**	F03FS09614
120	2,8 - 3,6	2,2	22	24	-		**DLI25M28EBH6**	F03FS09616
120	3,1 - 3,9	2,2	20	24	-		**DLI25M31EAH6**	F03FS09618
125	3,1 - 3,9	2,2	20	24	-	Panhans - Schelling	**DLI25M31FAH6**	F03FS09620
180	4,3 - 5,1	3,2	45	30	-	Holzma	**DLI25M43NEH6**	F03FS09622
180	4,7 - 5,5	3,5	45	30	-	Holzma	**DLI25M47NEH6**	F03FS09624
200	4,3 - 5,1	3,2	65	36	2/9/100 + 2/9/110	Selco	**DLI25M43PIH6**	F03FS09626
200	4,3 - 5,1	3,2	80	36	2/14/110	Gabbiani	**DLI25M43PLH6**	F03FS09628
200	4,7 - 5,5	3,5	45	36	-	Holzma	**DLI25M47PEH6**	F03FS09630
200	4,7 - 5,5	3,5	65	36	2/9/100 + 2/9/110	Selco	**DLI25M47PIH6**	F03FS09632
215	4,3 - 5,1	3,2	50	42	2/7/80 + 3/15/80	Giben	**DLI25M43QFH6**	F03FS09634

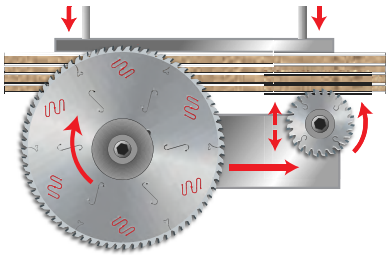


A= Minimum kerf of the scoring saw blade.
B= Maximum kerf of the scoring saw blade.

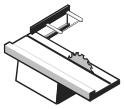


For each 1 mm height displacement the cut becomes 0,2 mm wider for H4 and 0,15 mm wider for H6.





LI16M Adjustable scoring saw blades



Squaring Saws

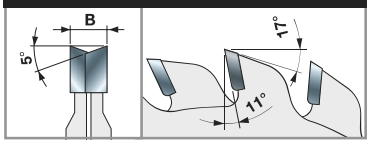
Laminated Chipboard

Laminated MDF

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW H00XA - ATB 5° tooth



D mm	B mm	d mm	Z	Machines	Freud Code	Art. No.
80	2,8 - 3,6	20	10 + 10	Robland	**LI16M HA3**	F03FS02502
80	2,8 - 3,6	20	12 + 12	Felder	**LI16M GA3**	F03FS02501
100	2,8 - 3,6	20	12 + 12	Schelling - Panhans - Martin	**LI16M BA3**	F03FS02491
100	2,8 - 3,6	22	12 + 12	Altendorf - Striebig - Panhans	**LI16M BB3**	F03FS02493
100	2,8 - 3,6	25,4	12 + 12	Baldan	**LI16M BR3**	F03FS07433
105	2,8 - 3,6	20	10 + 10		**LI16M CA3**	F03FS02495
120	2,8 - 3,6	20	12 + 12	Holzher - SCM	**LI16M AA3**	F03FS02485
120	2,8 - 3,6	22	12 + 12	Altendorf - Martin - Mrozek	**LI16M AB3**	F03FS02488
120	2,8 - 3,6	50	12 + 12	Altendorf - Griggio	**LI16M PF3**	F03FS02512
120	2,8 - 3,6	50	12 + 12	Felder	**LI16M RF3**	F03FS06512
120	4,0 - 5,0	50	12 + 12		**LI16M IF3**	F03FS02504
125	2,8 - 3,6	20	12 + 12	Paoloni	**LI16M FA3**	F03FS02500
125	2,8 - 3,6	20	14 + 14		**LI16M EA3**	F03FS02498
125	2,8 - 3,6	22	14 + 14		**LI16M EB3**	F03FS02499
125	4,0 - 4,7	20	20 + 20	SCM	**LI16M DA3**	F03FS02496
125	4,0 - 5,0	45	12 + 12	Giben - Mayer	**LI16M KE3**	F03FS02506
200	4,0 - 5,2	50	28 + 28	Giben	**LI16M OF3**	F03FS02511

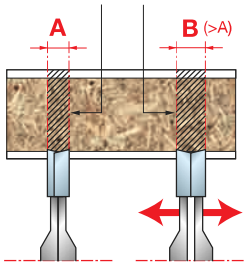
Machines:
Squaring saws.

Materials:
Laminated chipboard and laminated MDF.

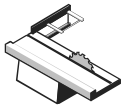
Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.

A= Minimum kerf of the scoring saw blade.
B= Maximum kerf of the scoring saw blade.



DLI16M Polycrystalline Diamond adjustable scoring saw blades (H6)



Squaring Saws

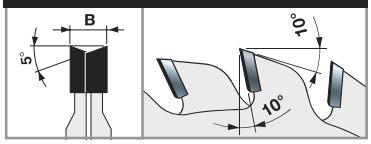
Laminated Chipboard

Laminated MDF

Polycrystalline Diamond TECHNOLOGY

Silver I.C.E. COATING

DP - ATB 5° tooth



DP - Polycrystalline Diamond adjustable scoring saw blades H6

D mm	B mm	d mm	Z mm	NL	Freud Code	Art. No.
100	2,8 - 3,6	20	12 + 12	Schelling - Panhans - Martin	**DLI16MBAH6**	F03FS09635
120	2,8 - 3,6	20	12 + 12	Holzer - SCM	**DLI16MAAH6**	F03FS09636
120	2,8 - 3,6	22	12 + 12	Altendorf - Martin - Mrozek	**DLI16MABH6**	F03FS09637

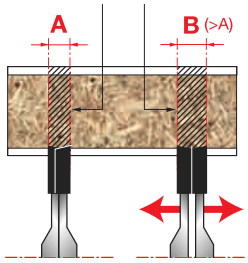
Machines:
Squaring saws.

Materials:
Laminated chipboard and laminated MDF.

Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.
Extremely longer lifetime thanks to the Polycrystalline Diamond teeth material.
Delivered in dedicated wooden boxes.

A= Minimum kerf of the scoring saw blade.
B= Maximum kerf of the scoring saw blade.

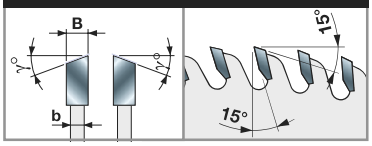


LI27M Postforming scoring saw blades

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW H00XA - Inclined tooth

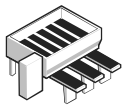


Machines:
Horizontal panel sizing machines.

Materials:
Laminated chipboard and laminated MDF.

Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.



Horizontal Panel Sizing Machines

Laminated Chipboard

Laminated MDF

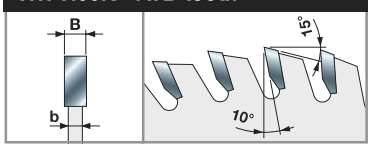
D mm	B mm	b mm	d mm	Z	γ	NL	Freud Code	Art. No.
200	4,7	3,5	80	42	10°	2/14/110	**LI27M FA3**	F03FS02749
220	3,4	2,2	30	48	10°	-	**LI27M AA3**	F03FS02733
250	4,6	3,0	30	48	10°	-	**LI27M BA3**	F03FS02734
280	4,65	3,2	80	72	15°	2/14/110	**LI27M47VL3**	F03FS08014
280	5,0	3,5	45	84	30°	-	**LI27M CA3**	F03FS02736
300	4,55	3,0	30	72	10°	-	**LI27M DF3**	F03FS02745
300	4,55	3,2	65	72	10°	2/9/100+2/9/110	**LI27M DA3**	F03FS02737
300	4,55	3,2	50	72	10°	3/15/80	**LI27M DD3**	F03FS02743
300	4,7	3,2	80	72	10°	2/14/110	**LI27M DC3**	F03FS02741
300	4,95	3,0	65	72	10°	2/9/100+2/9/110	**LI27M DB3**	F03FS02739
340	5,0	3,5	45	48	30°	3/14/65	**LI27M EA3**	F03FS02746
340	5,0	3,5	45	108	30°	3/14/65	**LI27M EB3**	F03FS02747

LI20M Flat tooth scoring saw blades

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW H00K - ATB tooth

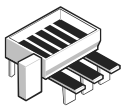


Machines:
Horizontal panel sizing machines.

Materials:
Laminated chipboard and laminated MDF.

Applications:
Panel scoring.

Technical information:
To score bilaminated panels with plastic coating.

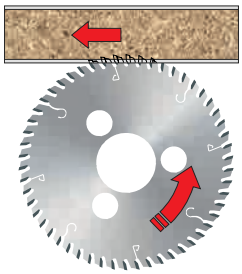


Horizontal Panel Sizing Machines

Laminated Chipboard

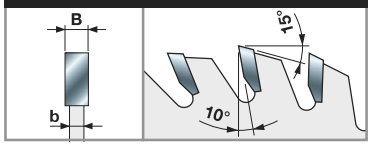
Laminated MDF

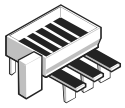
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
180	3,2	2,2	50	54	3/22/80	**LI20M BB3**	F03FS02579



LI17M Flat tooth scoring saw blades

HW H00K - Flat tooth



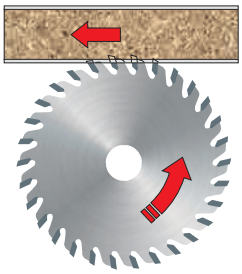


Horizontal Panel Sizing Machines

Laminated Chipboard

Laminated MDF

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
115	3,2	2,2	20	30	-	**LI17M FA3**	F03FS02572
120	3,2	2,2	20	30	-	**LI17M GA3**	F03FS02574



Machines:
SCM horizontal panel sizing machines.

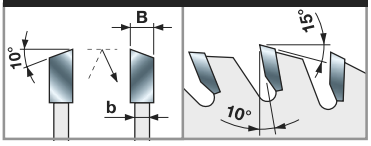
Materials:
Laminated chipboard and laminated MDF.

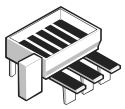
Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.

LI22MD LI22MS Inclined tooth scoring saw blades

HW H00K - Inclined tooth





Horizontal Panel Sizing Machines

Laminated Chipboard

Laminated MDF

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No.	Freud Code Left (S)	Art. No.
150	3,2	2,2	30	36		**LI22MD KC3**	F03FS02581	**LI22MS KC3**	F03FS02592
150	3,2	2,2	55	36		**LI22MD KG3**	F03FS02583	**LI22MS KG3**	F03FS02594
150	3,2	2,2	60	36		**LI22MD KH3**	F03FS02584	**LI22MS KH3**	F03FS02595
180	3,2	2,2	30	42		**LI22MD NC3**	F03FS02585	**LI22MS NC3**	F03FS02596
180	3,2	2,2	55	42		**LI22MD NG3**	F03FS02586	**LI22MS NG3**	F03FS02598
200	3,2	2,2	30	48		**LI22MD PC3**	F03FS02589	**LI22MS PC3**	F03FS02601
200	3,2	2,2	60	48		**LI22MD PH3**	F03FS02590	**LI22MS PH3**	F03FS02602

Machines:
Horizontal panel sizing machines.

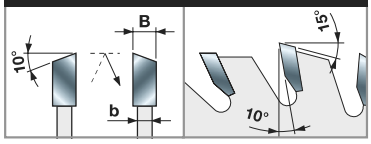
Materials:
Laminated chipboard and laminated MDF.

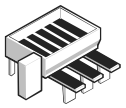
Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.

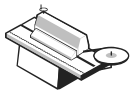
LI13MD LI13MS Inclined tooth scoring saw blades

HW H00K - Inclined tooth





Horizontal Panel Sizing Machines



Edge Banders

Chipboard

Laminated Chipboard

MDF

Laminated MDF

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
100	3,2	2,2	20	24		**LI13MD AA3**	F03FS02452	**LI13MS AA3**	F03FS02466
100	3,2	2,2	22	24		**LI13MD AB3**	F03FS02454	**LI13MS AB3**	F03FS02468
125	3,2	2,2	20	30		**LI13MD BA3**	F03FS02455	**LI13MS BA3**	F03FS02470
150	3,2	2,2	30	48		**LI13MD DA3**	F03FS02459	**LI13MS DA3**	F03FS02474
150	3,2	2,2	55	48		**LI13MD DB3**	F03FS02461	**LI13MS DB3**	F03FS02476

Machines:
Horizontal panel sizing machines and edge banders.

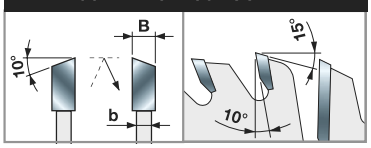
Materials:
Wood based panels, laminated chipboard and laminated MDF.

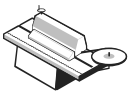
Applications:
Panel scoring.

Technical information:
To score the coating on bilaminated panels.
Especially dedicated to very fragile coating.

LI14MD LI14MS End trim unit for panels with banded edges

HW H00K - Inclined tooth





Edge Banders

Chipboard

Laminated Chipboard

MDF

Laminated MDF

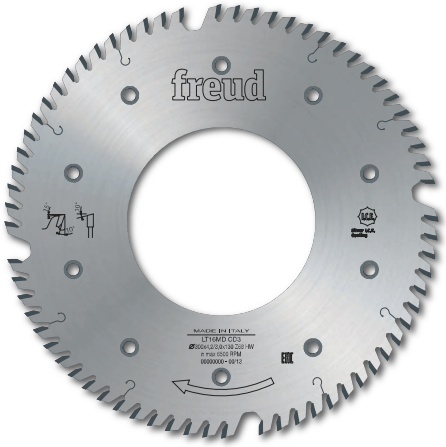
D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
140	3,2	2,2	30	28 + 4		**LI14MD CA3**	F03FS02481	**LI14MS CA3**	F03FS02483

Machines:
Edge banders.

Materials:
Wood based panels, laminated chipboard and laminated MDF.

Applications:
Panel scoring.

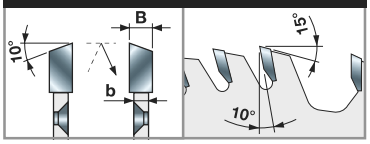
Technical information:
To score the coating on bilaminated panels.
Particularly dedicated to very fragile coatings.



TiCo Carbide MADE BY freud

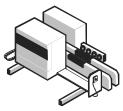
Silver I.C.E. COATING

HW H00K - Inclined tooth



LT16MD LT16MS

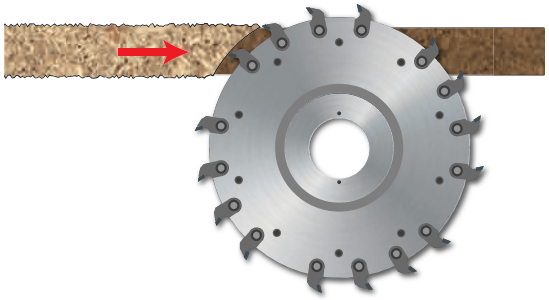
Saw blades for Freud hogging units



Double End Tenoners

Softwood Hardwood MDF Plywood

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
250	4,2	3,0	130	56	10/8,5/170	**LT16MD BD3**	F03FS04401	**LT16MS BD3**	F03FS04409
300	4,2	3,0	130	68	10/8,5/215	**LT16MD CD3**	F03FS04404	**LT16MS CD3**	F03FS04412



Machines:
Double end tenoners.

Materials:
Softwood, hardwood, MDF and plywood.

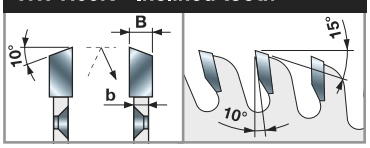
Applications:
Hogging.

Technical information:
Saw blades suitable for squaring and trimming panels.

TiCo Carbide MADE BY freud

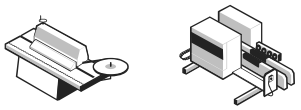
Silver I.C.E. COATING

HW H00K - Inclined tooth



LT12MD LT12MS

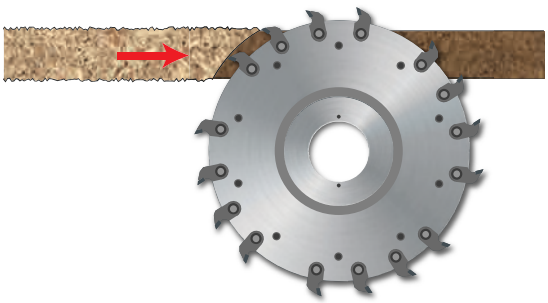
Saw blades for hogging units



Edge Banders Double End Tenoners

Chipboard MDF Laminated Chipboard Laminated MDF

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
250	4,2	3,0	130	60	4/8,5/185	**LT12MD BB3**	F03FS04372	**LT12MS BB3**	F03FS07063



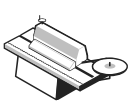
Machines:
Squaring edge banding machines and double end tenoners.

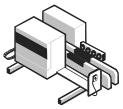
Materials:
Chipboard and MDF, laminated chipboard and laminated MDF.

Applications:
Hogging.

Technical information:
Saw blades suitable for squaring and trimming panels.

LT14MD LT14MS Saw blades for hogging units - customised


Edge Banders


Double End Tenoners


Chipboard


MDF

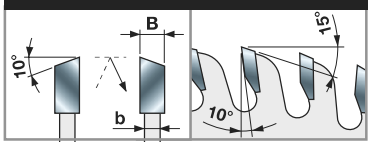

Laminated Chipboard


Laminated MDF

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW H00K - Inclined tooth



Machines:
Squaring edge banding machines and double end tenoners.

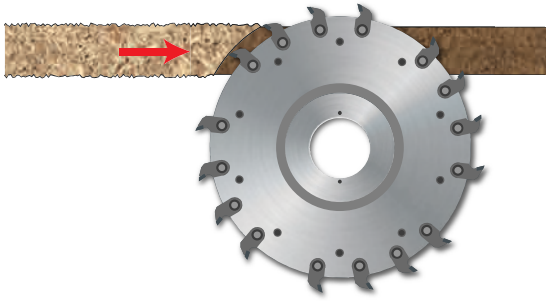
Materials:
Chipboard, MDF, laminated chipboard and laminated MDF.

Applications:
Hogging.

Technical information:
Saw blades suitable for squaring and trimming panels.

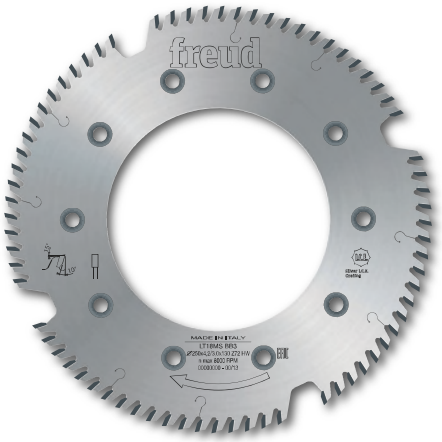
D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
200	4,2	3,0	30	48	*	**LT14MD AA3**	F03FS04378	**LT14MS AA3**	F03FS04389
250	4,2	3,0	30	60	*	**LT14MD BA3**	F03FS04380	**LT14MS BA3**	F03FS04391
250	4,2	3,0	130	60	*	**LT14MD BB3**	F03FS04382	**LT14MS BB3**	F03FS04393
255	4,2	3,0	80	60	*	**LT14MD FA3**	F03FS04387	**LT14MS FA3**	F03FS04398
350	4,2	3,0	30	84	*	**LT14MD DA3**	F03FS04386	**LT14MS DA3**	F03FS04397

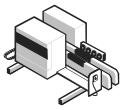
* **WHEN ORDERING, ALWAYS SPECIFY:**
a) **OPT08 AA9 -** to increase bore Ø;
b) **OPTFO... -** for pin holes (NL* - see page 92).
Send sample saw blade or drawing with bore size. Specify no. of pin holes, diameter of holes (D1) and the diameter of the circumference passing through the of the holes (D2).



LT18MD
LT18MS

Saw blades for Freud hogging units





Double End Tenoners

Softwood

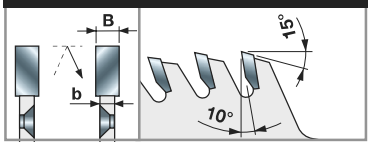
Hardwood

MDF

Plywood

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
250	4,2	3,0	130	72	10/8,5/170	**LT18MD BB3**	F03FS04415	**LT18MS BB3**	F03FS04417

HW H00K - Flat tooth



Machines:
Double end tenoners.

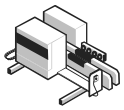
Materials:
Softwood, hardwood, MDF and plywood.

Applications:
Hogging.

Technical information:
Saw blades suitable for squaring and trimming panels.

LT20MD
LT20MS

Saw blades for Leuco hogging units



Double End Tenoners

Softwood

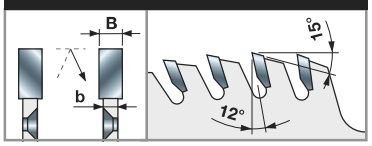
Hardwood

MDF

Plywood

D mm	B mm	b mm	d mm	Z	NL	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
250	4,0	3,0	100	72	6/7/200	**LT20MD BB3**	F03FS04421	**LT20MS BB3**	F03FS04422

HW H00K - Flat tooth

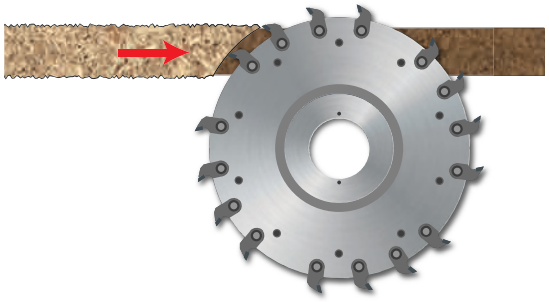


Machines:
Double end tenoners.

Materials:
Softwood, hardwood, MDF and plywood.

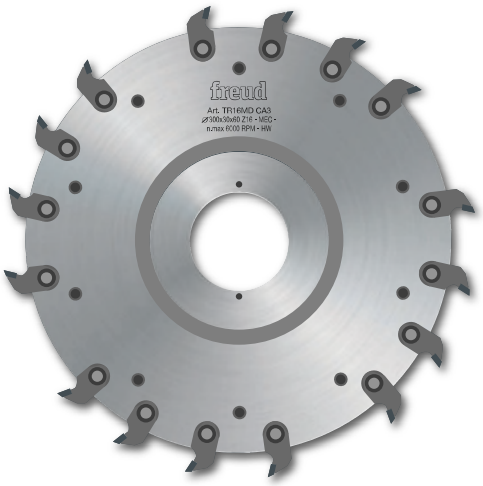
Applications:
Hogging.

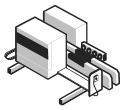
Technical information:
Saw blades suitable for squaring and trimming panels.



TR16MD TR16MS

Hogging units with SR06M interchangeable inserts





Double End Tenoners

Softwood

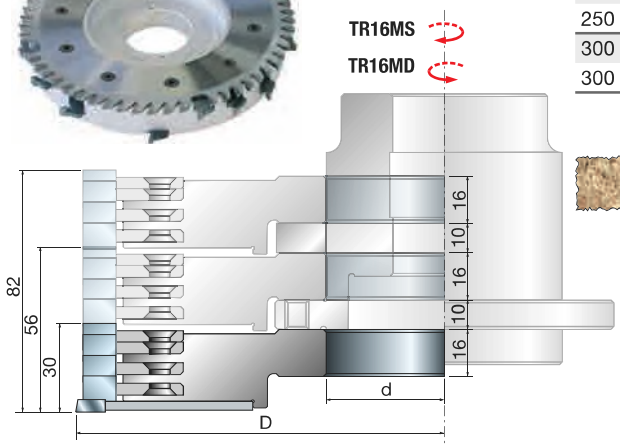
Hardwood

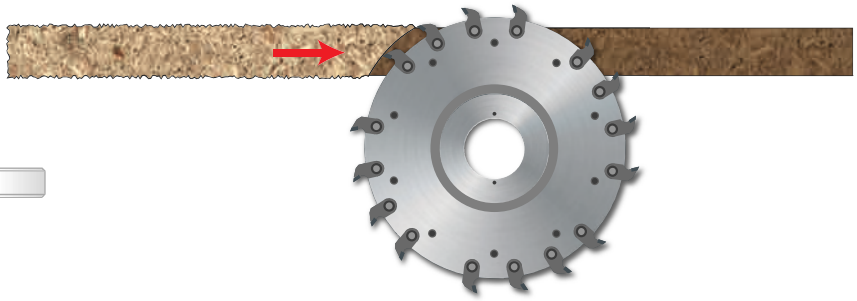
MDF

Plywood

* Nominal saw blade diameter.

D* mm	B mm	d mm	Z mm	Freud Code Right (D)	Art. No. Right (D)	Freud Code Left (S)	Art. No. Left (S)
200	30	80	16	**TR16MD AA3**	F03FC20547	**TR16MS AA3**	F03FC20550
250	30	60	16	**TR16MD BA3**	F03FC20548	**TR16MS BA3**	F03FC20551
250	30	80	16	**TR16MD BB3**	F03FC22094	**TR16MS BB3**	F03FC22096
300	30	60	16	**TR16MD CA3**	F03FC20549	**TR16MS CA3**	F03FC20552
300	30	80	16	**TR16MD CB3**	F03FC22095	**TR16MS CB3**	F03FC22097

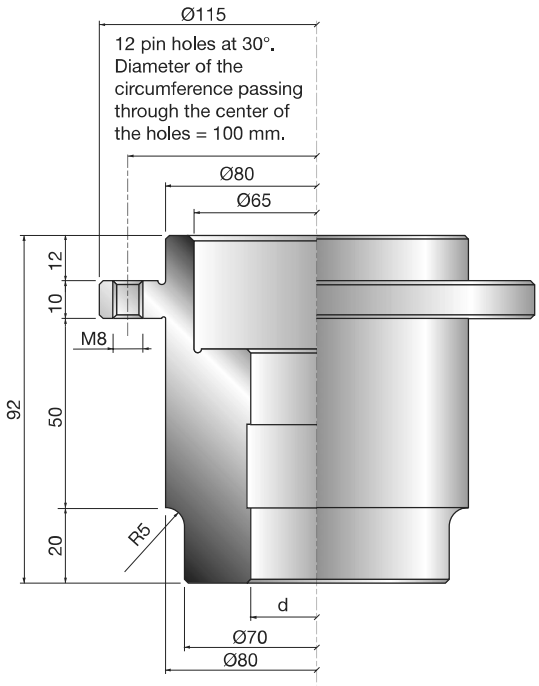




These tools can be stacked and used in multiples thus enabling the machining of a wider area.

Particularly indicated for squaring solid wood panels.

Spare parts	Dimensions	Freud Code	Art. No.
Grooving inserts	34 x 9 x 16	**SR06MDBB301**	F03FC24198
Grooving inserts	34 x 9 x 16	**SR06MSBB301**	F03FC24201
Screw	M6 x 11,5	**VT16M AB9**	F03FA04477
Screw	M6 x 10	**VT01M AA9**	F03FA04429
Allen key	4	**CB03M BA9**	F03FA00163



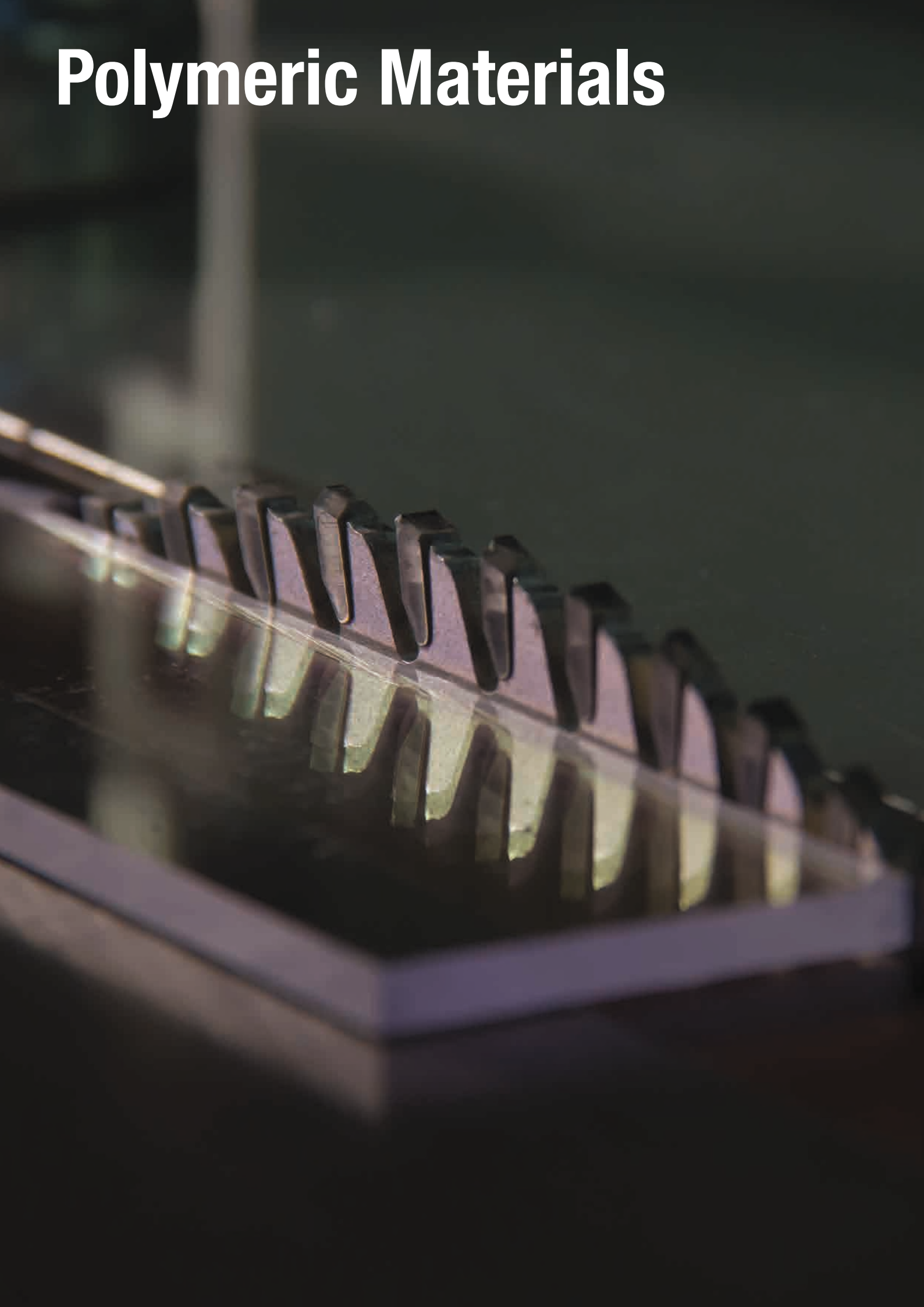
MT01M

Mounting sleeves for hogging units

d mm	KN	Freud Code	Art. No.
35	10 x 4	**MT01M DA9**	F03FC15424

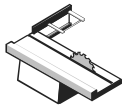
Item **MT01M** includes the fixing operation of the mounting sleeve to the hogging unit.

Polymeric Materials



LU4A

Saw blades to cut plastic materials



Squaring Saws

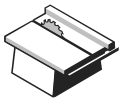
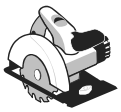


Table Saws



Hand-held Circular Saws

Plexiglas

Plastics

●●● ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,8	2,2	30	80	FT01	**LU4A 0100**	F03FS05163
300	2,8	2,2	30	96	FT01	**LU4A 0200**	F03FS05165

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

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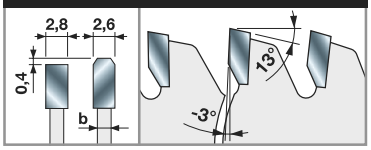
Anti-vibration TECHNOLOGY

HW H00K - Flat-triple chip tooth

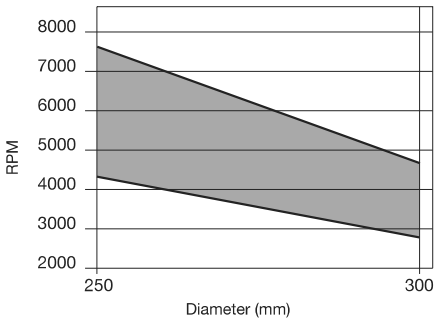


Machines:
Squaring saws and table saws, hand-held circular saws.

Materials:
Plexiglas and plastics.

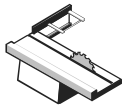
Applications:
Plexiglas and plastic cutting.

Technical information:
Saw blades with negative cutting angle suitable to cut plastic materials.
For a proper use, a blade projection of approximately 30 mm over the workpiece is recommended.



Minimum and maximum RPM based on the blade diameter.

LU4B Thin kerf saw blades to cut plastic materials and plexiglas - axial angle


Squaring Saws

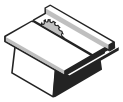
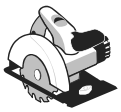


Table Saws


Hand-held Circular Saws


Plexiglas


Plastics

●●● ●●● ●●●

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
178	1,5	1,0	25,4	80	-		**LU4B 0500**	F03FS05173
203	2,0	1,4	25,4	90	-		**LU4B 0100**	F03FS05167
230	2,2	1,6	25,4	100	-		**LU4B 0200**	F03FS05169
250	2,2	1,6	30	100	FT01		**LU4B 0300**	F03FS05170
255	2,2	1,6	25,4	100	-		**LU4B 0400**	F03FS05172

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

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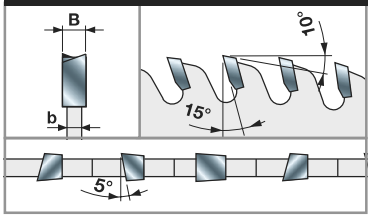
Anti-vibration TECHNOLOGY

Shear Angle TECHNOLOGY

HW H00K - ATB 10° axial Tooth

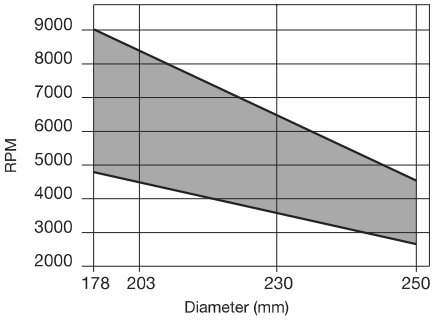


Machines:
Squaring saws and table saws, hand-held circular saws.

Materials:
Plexiglas and plastics.

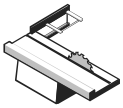
Applications:
Plexiglas and plastic cutting.

Technical information:
To size plexiglas and plastic panels.
The thin kerf design makes the workpiece feed easy especially when using low-power machines.
A perfect cutting finishing is granted by the 5° axial angle.



Minimum and maximum RPM based on the blade diameter.

LU4D Saw blades to cut solid surfaces



Squaring Saws

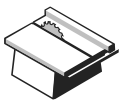


Table Saws

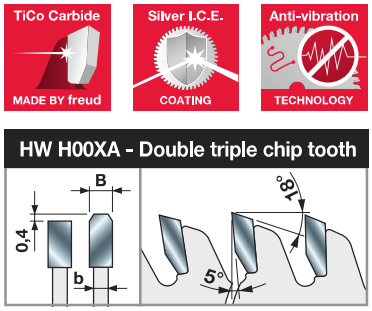
Mitre Saws

Solid Surfaces

●●● Ultimate ●● High ● Good

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,2	2,5	30	80	FT02		**LU4D 0100**	F03FS07294
300	3,2	2,5	30	96	FT02		**LU4D 0200**	F03FS07295
350	3,5	2,8	30	108	FT02		**LU4D 0300**	F03FS07296

FT02: 2/9/46,4 + 2/10/60



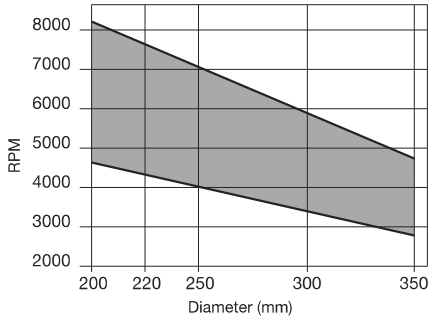
HW H00XA - Double triple chip tooth

Machines:
Squaring saws and table saws, mitre saws.

Materials:
Solid surfaces.

Applications:
Solid surfaces cutting.

Technical information:
The double triple chip grinding ensures flawless finishing, moreover the H00XA Carbide grants a long blade lifetime, thanks to its extraordinary resistance to abrasive materials.

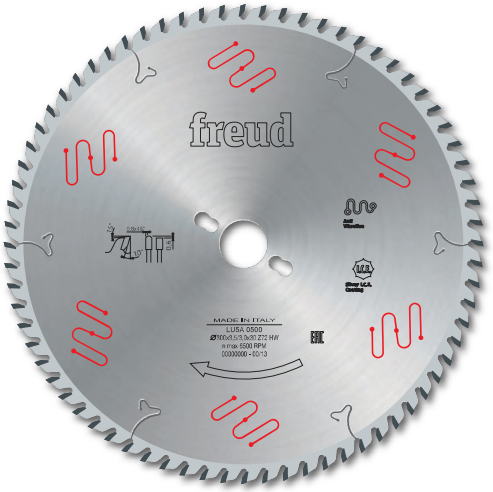


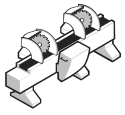
Minimum and maximum RPM based on the blade diameter.

Non-ferrous Metals

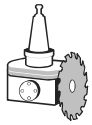
LU5A

Saw blades to cut non-ferrous metals





Double Head Cutting Machines



CNC Cutting Units

Aluminium

Copper and Brass

●●● ●●●

●●● Ultimate ●● High ● Good

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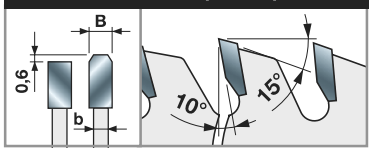
Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Flat-triple chip tooth



Machines:
Double head cutting machines and CNC cutting units.

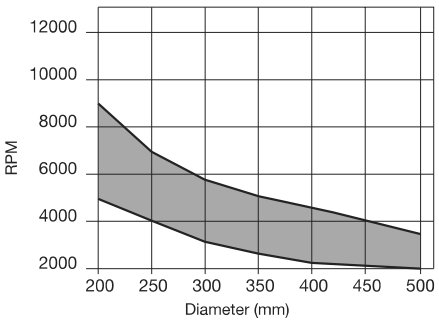
Materials:
Aluminium, copper and brass.

Applications:
Aluminium and non-ferrous metals cutting.

Technical information:
To cut solid drawn products with a thickness between 2 and 10 mm.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
200	2,8	2,2	30	54	-	**LU5A 0100**	F03FS05181
250	3,5	3,0	30	60	FT02	**LU5A 0200**	F03FS05182
250	3,5	3,0	32	60	2/11/63	**LU5A 0300**	F03FS05183
275	3,5	3,0	40	68	2/9/55 + 4/12/64	**LU5A 0400**	F03FS05185
300	3,5	3,0	30	72	FT02	**LU5A 0500**	F03FS05186
300	3,5	3,0	32	72	2/11/63	**LU5A 0600**	F03FS05187
330	3,5	3,0	30	84	FT02	**LU5A 0800**	F03FS05190
330	3,5	3,0	32	84	2/11/63	**LU5A 0900**	F03FS05192
350	3,5	3,0	30	84	FT02	**LU5A 1000**	F03FS05193
350	3,5	3,0	32	84	2/11/63	**LU5A 1100**	F03FS05194
350	3,5	3,0	40	84	2/9/55 + 4/12/64	**LU5A 1200**	F03FS05196
370	3,5	3,0	30	90	-	**LU5A 1300**	F03FS05197
370	3,5	3,0	50	90	4/15/80	**LU5A 1400**	F03FS05198
380	3,5	3,0	32	96	2/11/63	**LU5A 1500**	F03FS05199
400	3,5	3,0	30	96	2/11/63	**LU5A 1600**	F03FS05200
400	3,5	3,0	32	96	2/11/63	**LU5A 1700**	F03FS05202
400	3,5	3,0	40	96	2/12/64 + 2/15/80	**LU5A 1800**	F03FS05205
400	3,5	3,0	50	96	4/15/80	**LU5A 1900**	F03FS05206
420	3,5	3,0	30	96	2/11/70	**LU5A 2000**	F03FS05207
450	4,0	3,2	30	108	2/11/63	**LU5A 2100**	F03FS05208
450	4,0	3,2	32	108	2/11/63	**LU5A 2200**	F03FS05210
450	4,0	3,2	40	108	2/12/64 + 2/15/80	**LU5A 2300**	F03FS08047
450	4,0	3,2	50	108	4/15/80	**LU5A 2400**	F03FS07420
500	4,0	3,2	30	120	2/10,5/70	**LU5A 2500**	F03FS05212
500	4,0	3,2	32	120	2/11/63	**LU5A 2600**	F03FS05214
500	4,0	3,2	50	120	4/15/80	**LU5A 2700**	F03FS08244
500	4,4	3,5	30	120	-	**LU5A 3000**	F03FS07543
530	4,2	3,5	30	126	2/10,5/70	**LU5A 2800**	F03FS06607
550	4,2	3,5	30	132	2/10,5/70	**LU5A 2900**	F03FS06608

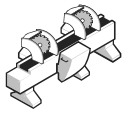
FT02: 2/9/46,4 + 2/10/60



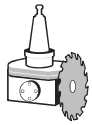
Minimum and maximum RPM based on the blade diameter.

LU5B

Saw blades to cut non-ferrous metals and plastics



Double Head Cutting Machines

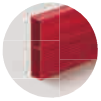


CNC Cutting Units

Aluminium ●●●

Copper and Brass ●●●

Plastics ●●



PVC ●●

●●● Ultimate ●● High ● Good

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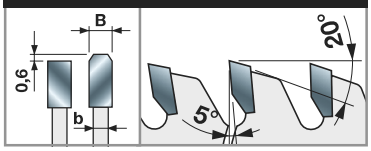
Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Flat-triple chip tooth



Machines:
Double head cutting machines and CNC cutting units.

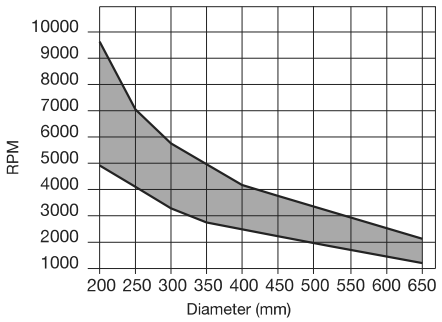
Materials:
Aluminium, copper, brass, plastics and PVC.

Applications:
Aluminium, non-ferrous metals and plastic cutting.

Technical information:
To cut drawn products and tubes with a thickness between 2 and 5 mm, as well as polymeric panels up to 20 mm. Suitable for PVC profiles cutting.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
200	2,8	2,2	30	64	-	LU5B 0100	F03FS05217
250	3,5	3,0	30	80	FT02	LU5B 0200	F03FS05218
250	3,5	3,0	32	80	2/11/63	LU5B 0300	F03FS05221
275	3,5	3,0	40	84	2/9/55 + 4/12/64	LU5B 0400	F03FS05223
300	3,5	3,0	30	88	FT02	LU5B 0500	F03FS05224
300	3,5	3,0	32	88	2/11/63	LU5B 0600	F03FS05225
300	3,5	3,0	40	88	2/9/55 + 4/12/64	LU5B 0700	F03FS05227
300	3,5	3,0	30	96	FT02	LU5B 0800	F03FS05228
300	3,5	3,0	32	96	2/11/63	LU5B 0900	F03FS05230
300	3,5	3,0	40	96	2/9/55 + 4/12/64	LU5B 1000	F03FS05232
330	3,5	3,0	30	104	FT02	LU5B 1100	F03FS05233
330	3,5	3,0	32	104	2/11/63	LU5B 1200	F03FS05234
350	3,5	3,0	30	96	FT02	LU5B 1300	F03FS05235
350	3,5	3,0	32	96	2/11/63	LU5B 1400	F03FS05236
350	3,5	3,0	40	96	2/9/55 + 4/12/64	LU5B 1500	F03FS05238
350	3,5	3,0	30	108	FT02	LU5B 1600	F03FS05239
350	3,5	3,0	32	108	2/11/63	LU5B 1700	F03FS05240
350	3,5	3,0	40	108	2/9/55 + 4/12/64	LU5B 1800	F03FS05242
370	3,5	3,0	30	112	-	LU5B 1900	F03FS07745
370	3,5	3,0	50	112	4/15/80	LU5B 2000	F03FS05243
380	3,5	3,0	32	112	2/11/63	LU5B 2100	F03FS05244
400	3,5	3,0	30	120	2/11/63	LU5B 2200	F03FS05245
400	3,5	3,0	32	120	2/11/63	LU5B 2300	F03FS05246
400	3,5	3,0	40	120	2/12/64 + 2/15/80	LU5B 2400	F03FS05248
400	3,5	3,0	50	120	4/15/80	LU5B 2500	F03FS05249
400	3,5	3,0	75	120	2/15/96 + 2/15/114 + 4/18/105	LU5B 2275	F03FS09967
420	3,5	3,0	30	120	2/11/70	LU5B 2600	F03FS05250
450	4,0	3,0	30	128	-	LU5B 2700	F03FS05251
450	4,0	3,0	32	128	2/11/63	LU5B 2800	F03FS05252
500	4,0	3,2	30	140	2/10,5/70	LU5B 3100	F03FS05254
500	4,0	3,2	32	140	2/11/63	LU5B 3200	F03FS05255
550	4,2	3,5	30	148	2/11/63	LU5B 3500	F03FS05257
550	4,2	3,5	32	148	2/11/63	LU5B 3800	F03FS05260
600	4,8	3,8	30	156		LU5B 3600	F03FS05258

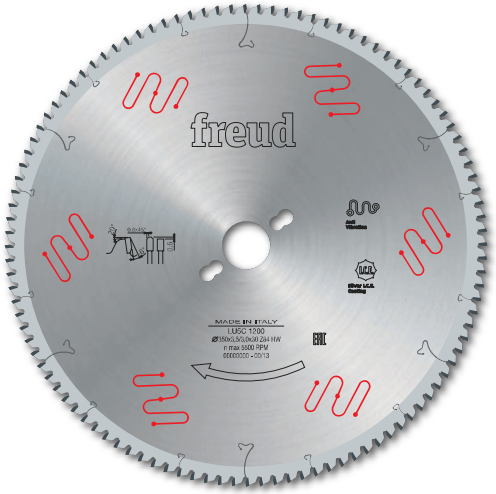
FT02: 2/9/46,4 + 2/10/60

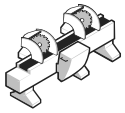


Minimum and maximum RPM based on the blade diameter.

LU5C

Saw blades to cut non-ferrous metals





Double Head Cutting Machines

Mitre Saws

Aluminium

Copper and Brass

●●● ●●●

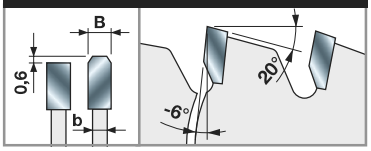
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Flat-triple chip tooth



Machines:
Double head cutting machines, mitre saws.

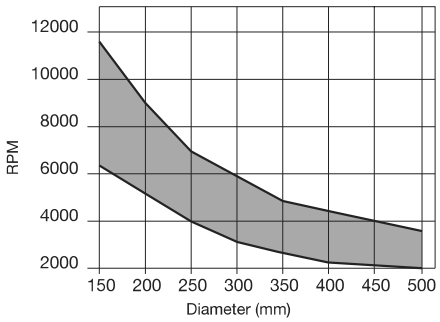
Materials:
Aluminium, copper and brass.

Applications:
Aluminium and non-ferrous metals cutting.

Technical information:
To cut solid drawn products whose thickness exceeds 3 mm.
It is recommended to use it on cutting machines where the saw blade is over the workpiece to be cut.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
180	2,8	2,2	20	42	-		**LU5C 0100**	F03FS07195
180	2,8	2,2	30	42	-		**LU5C 0200**	F03FS05261
200	2,8	2,2	30	48	-		**LU5C 0300**	F03FS05262
250	3,5	3,0	30	54	-		**LU5C 0400**	F03FS05263
275	3,5	3,0	40	60	-		**LU5C 0600**	F03FS05264
300	3,5	3,0	30	72	FT02		**LU5C 0700**	F03FS05265
300	3,5	3,0	32	72	2/11/63		**LU5C 0800**	F03FS05266
300	3,5	3,0	40	72	2/9/55 + 4/12/64		**LU5C 0900**	F03FS05267
330	3,5	3,0	30	80	-		**LU5C 1000**	F03FS05268
330	3,5	3,0	32	80	2/11/63		**LU5C 1100**	F03FS05269
350	3,5	3,0	30	84	FT01		**LU5C 1200**	F03FS05270
350	3,5	3,0	32	84	2/11/63		**LU5C 1300**	F03FS05271
350	3,5	3,0	40	84	2/9/55 + 4/12/64		**LU5C 1400**	F03FS05272
370	3,5	3,0	30	90	-		**LU5C 1500**	F03FS05273
370	3,5	3,0	50	90	4/15/80		**LU5C 1600**	F03FS05274
380	3,5	3,0	32	96	2/11/63		**LU5C 1700**	F03FS05275
400	3,5	3,0	30	96	2/11/70		**LU5C 1800**	F03FS05276
400	3,5	3,0	32	96	2/11/63		**LU5C 1900**	F03FS05277
400	3,5	3,0	40	96	2/12/64 + 2/15/80		**LU5C 2000**	F03FS05278
400	3,5	3,0	50	96	4/15/80		**LU5C 2100**	F03FS05279
420	4,0	3,2	30	96	2/11/70		**LU5C 2200**	F03FS05280
420	4,0	3,2	40	96	-		**LU5C 2300**	F03FS05281
450	4,0	3,2	30	108	-		**LU5C 2400**	F03FS05282
450	4,0	3,2	32	108	2/11/63		**LU5C 2500**	F03FS05283
450	4,0	3,2	40	108	2/12/64 + 2/15/80		**LU5C 2600**	F03FS05284
450	4,0	3,2	50	108	4/15/80		**LU5C 2700**	F03FS05285
500	4,0	3,2	30	120	-		**LU5C 2800**	F03FS06110
500	4,0	3,2	32	120	2/11/63		**LU5C 2900**	F03FS05286

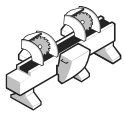
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60



Minimum and maximum RPM based on the blade diameter.

LU5D

Saw blades to cut non-ferrous metals and plastics



Double Head Cutting Machines

Mitre Saws

Aluminium

Copper and Brass

Plastics

PVC

●●● ●●● ●●● ●●

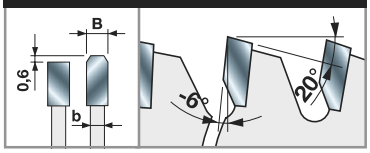
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Flat-triple chip tooth



Machines:
Double head cutting machines, mitre saws.

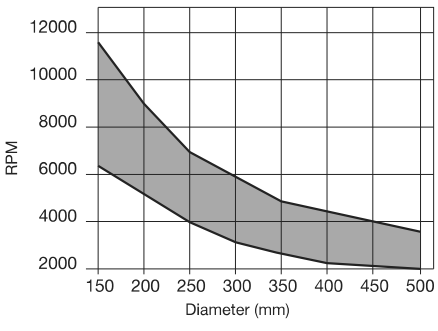
Materials:
Aluminium, copper, brass, plastics and PVC.

Applications:
Aluminium, non-ferrous metals and plastics cutting.

Technical information:
To cut drawn products and tubes whose thickness does not exceed 3 mm.
It is recommended to use it on cutting machines where the saw blade is over the workpiece to be cut.
Suitable for PVC profiles cutting.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
160	2,8	2,2	20	42	-		**LU5D 0100**	F03FS05288
190	2,8	2,2	30	54	-		**LU5D 0200**	F03FS05289
200	2,8	2,2	30	60	-		**LU5D 0300**	F03FS05290
210	2,8	2,2	30	60	-		**LU5D 0400**	F03FS05291
216	2,8	2,2	30	60	-		**LU5D 0500**	F03FS05292
220	3,0	2,5	30	64	FT02		**LU5D 0600**	F03FS05293
230	3,0	2,5	30	64	-		**LU5D 0700**	F03FS05294
250	3,5	3,0	30	80	FT02		**LU5D 0800**	F03FS05295
250	3,5	3,0	32	80	2/11/63		**LU5D 0900**	F03FS05297
250	3,5	3,0	40	80	2/9/55 + 4/12/64		**LU5D 1000**	F03FS05299
275	3,5	3,0	40	84	2/9/55 + 4/12/64		**LU5D 1100**	F03FS05300
300	3,5	3,0	30	96	FT02		**LU5D 1200**	F03FS05301
300	3,5	3,0	32	96	2/11/63		**LU5D 1300**	F03FS05303
300	3,5	3,0	40	96	2/9/55 + 4/12/64		**LU5D 1400**	F03FS05305
330	3,5	3,0	30	104	FT02		**LU5D 1500**	F03FS05306
330	3,5	3,0	32	104	2/11/63		**LU5D 1600**	F03FS05308
350	3,5	3,0	30	108	FT02		**LU5D 1700**	F03FS05309
350	3,5	3,0	32	108	2/11/63		**LU5D 1800**	F03FS05311
350	3,5	3,0	40	108	2/9/55 + 4/12/64		**LU5D 1900**	F03FS05313
370	3,5	3,0	30	108	-		**LU5D 2000**	F03FS05314
380	3,5	3,0	32	108	2/11/63		**LU5D 2200**	F03FS05315
400	3,5	3,0	30	120	-		**LU5D 2300**	F03FS05316
400	3,5	3,0	32	120	2/11/63		**LU5D 2400**	F03FS05317
400	3,5	3,0	40	120	2/15/80 + 2/12/64		**LU5D 2500**	F03FS05318
400	3,5	3,0	50	120	4/15/80		**LU5D 2600**	F03FS05319
420	4,0	3,2	30	120	2/11/70		**LU5D 2700**	F03FS05320
420	4,0	3,2	40	120	-		**LU5D 2800**	F03FS05321
450	4,0	3,2	30	128	-		**LU5D 2900**	F03FS05322
500	4,0	3,2	32	140	2/11/63		**LU5D 3400**	F03FS05323

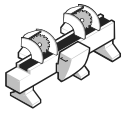
FT02: 2/9/46,4 + 2/10/60



Minimum and maximum RPM based on the blade diameter.

LU5E

Reduced kerf saw blades to cut non-ferrous metals



Double Head Cutting Machines

Mitre Saws

Aluminium

Copper and Brass

●●● ●●●

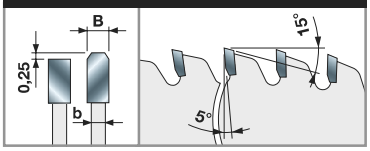
●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

Anti-vibration TECHNOLOGY

HW H01K - Flat-triple chip tooth



D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,8	2,2	30	100	FT01	**LU5E 0100**	F03FS05324
250	2,8	2,2	32	100	2/11/63	**LU5E 0200**	F03FS05325
255	2,8	2,2	25,4	100	-	**LU5E 0300**	F03FS05327
255	2,8	2,2	25,4	120	-	**LU5E 0400**	F03FS05329
300	3,0	2,5	30	100	FT02	**LU5E 0500**	F03FS05331
300	3,0	2,5	30	120	FT02	**LU5E 0700**	F03FS05334
300	3,0	2,5	32	120	2/11/63	**LU5E 0800**	F03FS05337
305	3,0	2,5	25,4	120	-	**LU5E 0600**	F03FS05333
350	3,0	2,5	30	100	FT02	**LU5E 0900**	F03FS05339
350	3,0	2,5	32	100	2/11/63	**LU5E 1000**	F03FS05340
350	3,0	2,5	30	120	FT02	**LU5E 1100**	F03FS05341
350	3,0	2,5	32	120	2/11/63	**LU5E 1200**	F03FS05342

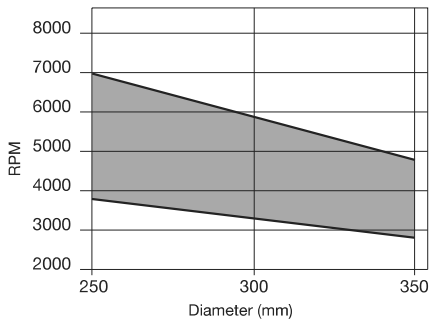
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

Machines:
Double head cutting machines, mitre saws.

Materials:
Aluminium, copper and brass.

Applications:
Aluminium and non-ferrous metals cutting.

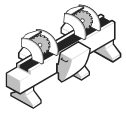
Technical information:
To cut special drawn products, such as tubes and profiles with ultra-thin walls.
The reduced kerf grants an excellent cutting finishing with no burns and enables the use of the blade on low-power cutting machines.



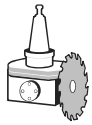
Minimum and maximum RPM based on the blade diameter.

LU5F

Saw blades to cut non-ferrous metals and plastics



Double Head Cutting Machines



CNC Cutting Units

Aluminium

Copper and Brass

Plastics

PVC

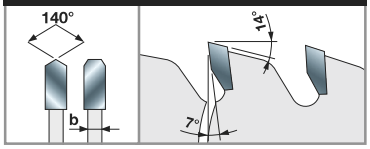
Aluminium	Copper and Brass	Plastics	PVC
●●●	●●●	●●●	●●

●●● Ultimate ●● High ● Good

TiCo Carbide MADE BY freud

EXrim COATING

HW H01K - Pyramid tooth



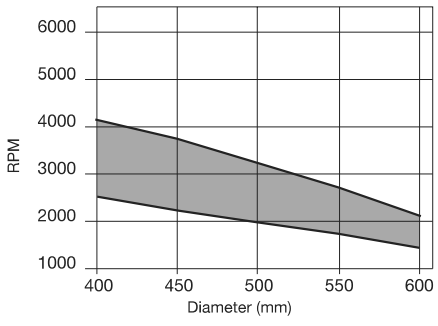
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
400	3,5	3,0	30	96	2/11/63 + 2/11/70	**LU5F40001**	F03FS07683
400	3,5	3,0	32	96	2/11/63 + 2/11/70	**LU5F40002**	F03FS07684
400	3,5	3,0	30	120	2/11/63 + 2/11/70	**LU5F40003**	F03FS07685
400	3,5	3,0	32	120	2/11/63 + 2/11/70	**LU5F40004**	F03FS07686
420	3,5	3,0	30	100	2/11/63 + 2/11/70	**LU5F42001**	F03FS07687
420	3,5	3,0	32	100	2/11/63 + 2/11/70	**LU5F42002**	F03FS07688
450	3,5	3,0	30	108	2/11/63 + 2/11/70	**LU5F45001**	F03FS07689
450	3,5	3,0	32	108	2/11/63 + 2/11/70	**LU5F45002**	F03FS07690
500	4,0	3,5	30	120	2/11/63 + 2/11/70	**LU5F50001**	F03FS07691
500	4,0	3,5	32	120	2/11/63 + 2/11/70	**LU5F50002**	F03FS07692
530	4,0	3,5	30	126	2/11/63 + 2/11/70	**LU5F53001**	F03FS07693
530	4,0	3,5	32	126	2/11/63 + 2/11/70	**LU5F53002**	F03FS07694
550	4,0	3,5	30	132	2/11/63 + 2/11/70	**LU5F55001**	F03FS07695
550	4,0	3,5	32	132	2/11/63 + 2/11/70	**LU5F55002**	F03FS07696
600	4,7	4,0	30	144	2/11/63 + 2/11/70	**LU5F60001**	F03FS07697
600	4,7	4,0	32	144	2/11/63 + 2/11/70	**LU5F60002**	F03FS07698
600	4,7	4,0	30	156	2/11/63 + 2/11/70	**LU5F60003**	F03FS07699
600	4,7	4,0	32	156	2/11/63 + 2/11/70	**LU5F60004**	F03FS07700

Machines:
Double head cutting machines and CNC cutting units.

Materials:
Aluminium, copper, brass, plastics and PVC.

Applications:
Aluminium, non-ferrous metals and plastics cutting.

Technical information:
Saw blades to cut thin wall aluminium profiles up to 4,5 mm for doors and windows, also including built-in plastic profiles.



Minimum and maximum RPM based on the blade diameter.

Ferrous Metals

LU6A

Saw blades to cut ferrous metal

Dry cut
Mitre Saws

Steel

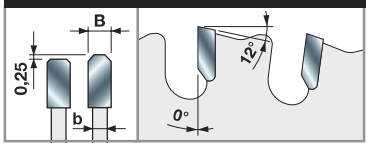
●●●

●●● Ultimate ●● High ● Good

TiCo Carbide
MADE BY freud

Silver I.C.E.
COATING

HW TF30 - Double triple chip tooth



D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
160	2,0	1,6	20	30	-	**LU6A 0100**	F03FS05343
184	2,0	1,6	15,88	38	-	**LU6A 0200**	F03FS05344
184	2,0	1,6	15,88	48	-	**LU6A 1900**	F03FS06586
190	2,0	1,6	30	38	-	**LU6A 0300**	F03FS05345
210	2,0	1,6	30	40	-	**LU6A 0400**	F03FS05346
216	2,0	1,6	30	40	-	**LU6A 0500**	F03FS05347
230	2,0	1,6	30	48	FT01	**LU6A 0600**	F03FS05348
230	2,4	2,0	25,4	44	-	**LU6A 0700**	F03FS05349
250	2,4	2,0	30	48	FT01	**LU6A 0800**	F03FS05350
254	2,4	2,0	25,4	50	-	**LU6A 0900**	F03FS05351
254	2,4	2,0	25,4	60	-	**LU6A 1000**	F03FS05352
300	2,6	2,2	30	60	FT01	**LU6A 1700**	F03FS05359
300	2,6	2,2	30	80	FT01	**LU6A 1800**	F03FS05360
305	2,6	2,2	25,4	60	-	**LU6A 1100**	F03FS05353
305	2,6	2,2	25,4	80	-	**LU6A 1200**	F03FS05354
350	2,6	2,2	30	72	FT01	**LU6A 1300**	F03FS05355
350	2,6	2,2	30	90	FT01	**LU6A 1400**	F03FS05356
355	2,6	2,2	25,4	72	-	**LU6A 1500**	F03FS05357
355	2,6	2,2	25,4	90	-	**LU6A 1600**	F03FS05358

FT01: 2/7/42 + 2/9/46,4 + 2/10/60

Machines:
Dry cut mitre saws.

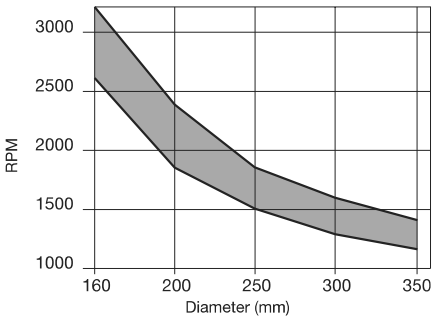
Materials:
Steel.

Applications:
Steel dry cutting.

Technical information:
Dry-cut saw blades for steel tubes and profiles.
Suitable also for small-size steel bars.
Ensure the workpiece is properly clamped when cutting.

Saw blade diameter	Maximum RPM
160 mm	3.200
184 mm	3.000
190 mm	2.600
210 mm	2.300
216 mm	2.200
230 mm	2.100
250 mm	1.900
255 mm	1.900
300 mm	1.800
305 mm	1.800
315 mm	1.700
350 mm	1.600
355 mm	1.600
400 mm	1.400

Table of maximum RPM based on the blade diameter, for saw blades to cut ferrous metals.



Minimum and maximum RPM based on the blade diameter.

BL15M
BL20M

Standard reduction rings for saw blades

D mm	B mm	d mm	Freud Code	Art. No.
20	1,5	12,7	**BL15M20127**	F03FC00694
20	1,5	16	**BLA15200160**	F03FA22197
30	1,5	18	**BL15M30180**	F03FC00698
30	1,5	20	**2042600100220**	2600100220
30	2	22	**BL20M30220**	F03FC00707
30	1,5	25	**2042600100221**	2600100221
30	2	25,4	**BL20M30254**	F03FC00709
32	2	20	**BL20M32200**	F03FC00710
32	2	22	**BL20M32220**	F03FC00711
35	1,5	16	**BL15M35160**	F03FC00701
35	2	20	**BL20M35200**	F03FC00713
35	1,5	25	**BL15M35250**	F03FC00702
35	2	25	**BL20M35250**	F03FC00714
35	2	25,4	**BL20M35254**	F03FC00715
35	1,5	30	**BL15M35300**	F03FC00703
40	2	25,4	**BL20M40254**	F03FC00717
40	2	35	**BL20M40350**	F03FC00718

OPT06

Optional workings Standard keyways

D mm	B mm	Freud Code	Art. No.
10	5	**OPT06 AA9**	F03FC16213
12	5	**OPT06 BA9**	F03FC16214
12,5	4	**OPT06 CA9**	F03FC16215
13	5	**OPT06 DA9**	F03FC16216
15	5	**OPT06 EA9**	F03FC16217
17	5	**OPT06 FA9**	F03FC16218
18	5	**OPT06 GA9**	F03FC16219
21	5	**OPT06 HA9**	F03FC16220

OPT07

Optional workings Special keyways

	Freud Code	Art. No.
	OPT07 AA9	F03FC16221

OPT08

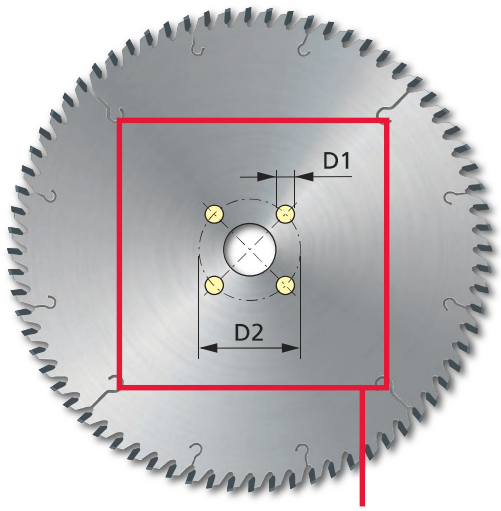
Optional workings Special reboring

	Freud Code	Art. No.
	OPT08 AA9	F03FC16222

OPTF0

Optional workings Safety pin holes for saw blades

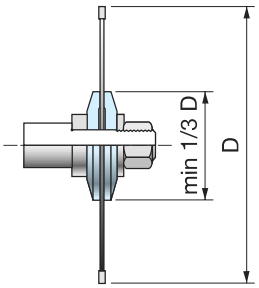
	Freud Code	Art. No.
1	**OPTF0 AA9**	F03FC16103
2	**OPTF0 AB9**	F03FC16104
3	**OPTF0 AC9**	F03FC16105
4	**OPTF0 AD9**	F03FC16106
5	**OPTF0 AE9**	F03FC16107
6	**OPTF0 AF9**	F03FC16108
7	**OPTF0 AG9**	F03FC16109
8	**OPTF0 AM9**	F03FC16111
10	**OPTF0 AH9**	F03FC16110



Specify no. of pin holes, diameter of holes (D1) and the diameter of the circumference passing through the centre of the holes (D2).

TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

1



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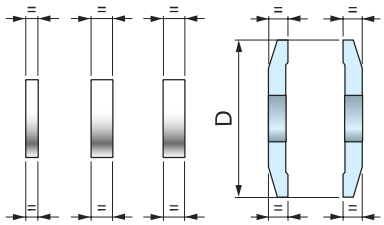

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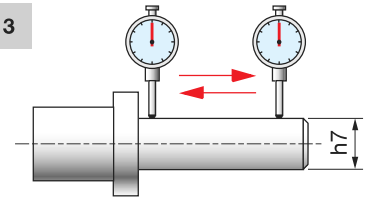

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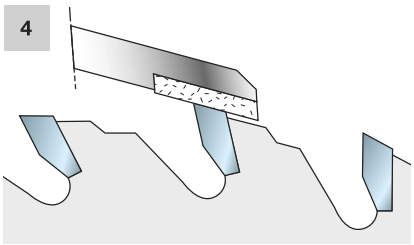


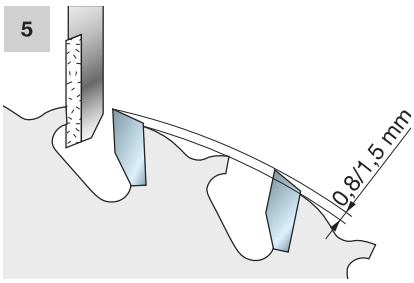
To obtain the best performance from a saw blade we suggest following these simple instructions:

- The machine must be in good condition, free from vibrations.
- The flanges used to secure the blade must be of the same diameter, at least 1/3 of the blade's diameter (Fig. 1).
- The flanges must be parallel to each other. Also check tolerances on diameters, sides and concentricity, by using a clock gauge (Fig. 2).
- The spacers must be perfectly parallel (Fig. 2).
- The spindle must be perfectly straight and with an h7 tolerance (Fig. 3).
- After continuous use, remove the blade and clean it with the appropriate solvents making sure to get rid of built up resin. For the synthetic coated (Perma-SHIELD Coating) blades, it is sufficient to use warm water. In any case, avoid using solvents containing caustic soda.
- The blades must be sharpened as soon as they become dull, maintaining the original tooth angles.
- For sharpening, always use the correct grinding wheels and plenty of cooling liquid.
- Always keep spacers and flanges clean.
- When sharpening, the shoulder of the teeth must not be lowered more than needed. This operation must be done with appropriate precision machinery and never by hand. There is the risk of breaking the tip or upsetting the blade balance (Fig. 4 - 5).
- On ripping machines, the feeding track must be levelled with the fixed table.
- Before starting the cut of the material, make sure the blade is correctly locked according to the machine specifications.

Saw blade alignment on a table saw:

- If the saw blade and the saw are not correctly aligned to the table and the fence, then there is the possibility that a serious accident may occur (for example, violent kickbacks) or that the workpiece may scorch or splinter. The first thing you must do is read the instruction sheet carefully. This is necessary to acquire the understanding and comprehension of the corrections suggested in this section.
- Before carrying out the following instuctions, make sure that the starter switch is off and that the machine is not connected to the socket.
- Mounting the saw blade onto the table:
  We advise you to use precise measuring instruments when mounting your saw blade. Clean the saw blade well, before mounting it onto the machine. Mount the saw blade onto the arbor. Adjust the arbor to its maximum height. With the aid of the most precise measuring instrument available, verify that the saw blade is parallel to the mitre gauge slots (Fig. 6). Adjust as needed. This step is necessary to obtain crosscuts with the maximum quality finish and for setting up the fence for ripping.
- Positioning the fence for ripping:
  After having positioned the saw blade so as it is parallel to the mitre gauge slots, you may proceed with setting the fence. The fence should ideally be parallel to the saw blade. However since it is impossible to position the guide "exactly" it is necessary to leave a slight margin of clearance on the exit side of the cut so as to avoid the wood becoming wedged in between the fence and the saw blade.
  Adjust the fence so as when it is aligned to the mitre gauge slots, there is a space of 0,1 mm (Fig. 7; for the correct adjustment, consult the machine's instruction manual).

5



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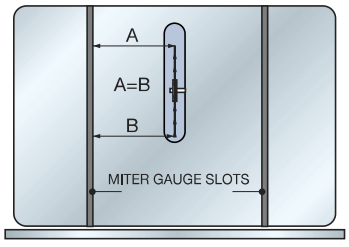

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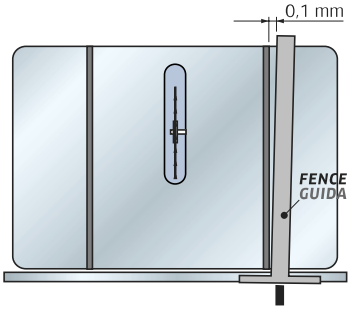


Table 1

Saw blade diameter	Maximum RPM
100 mm	23.000
125 mm	18.000
150 mm	14.500
180 mm	11.500
185 mm	11.000
200 mm	10.000
225 mm	8.500
250 mm	8.000
255 mm	7.800
280 mm	7.100
300 mm	6.500
320 mm	6.000
350 mm	5.500
380 mm	5.000
400 mm	4.700
430 mm	4.400
450 mm	4.200
500 mm	3.750
550 mm	3.400
600 mm	3.100
630 mm	2.950
650 mm	2.800
700 mm	2.600
730 mm	2.500
760 mm	2.400
800 mm	2.250

Not valid for saw blades to cut ferrous metals.

TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

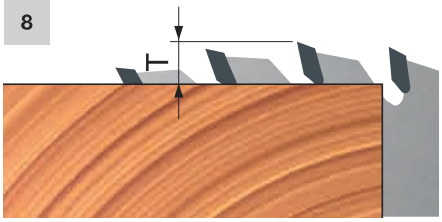
- The maximum RPM of a circular saw blade varies according to the diameter of the blade itself (table 1). If you exceed this limit, the saw blade will lose its characteristics, therefore influencing the cutting quality and the work life of the blade itself, not to mention the dangers implied to the user who may incur serious injury.
- The saw blade's projection (T) with respect to the workpiece must be at least equal to the height of the blade's tooth (Fig. 8). Increase or decrease the projection of the saw blade to improve the quality of the cutting finish.
- The number of teeth cutting the wood simultaneously (Fig. 9) must be between 3 or 4. With less than three teeth cutting, the saw blade begins to vibrate leading to an uneven cut. If you want to cut workpieces with increased thicknesses (S - Fig. 11), but wish to maintain the same diameter saw blade, then use a blade with less teeth. If instead you want to cut workpieces with a reduced thickness, but also maintain the same diameter saw blade, then use a blade with more teeth.
- To obtain the pitch **(P)** of a blade (the distance between teeth: Fig. 10 - see formula **"A"**) multiply the thickness of the workpiece by 1,4142 and divide by 3 (if you want 3 teeth cutting) or by 4 (if you want 4 teeth cutting).
- Formula **"B"**: to obtain the number of teeth **(Z)** of the saw blade, multiply the diameter **(D)** of the saw blade by 3,14 (π) and divide by the pitch of the saw blade - obtained from the previous formula. The shorter formula **"C"** allows you to obtain the number of the saw blade's teeth, knowing its diameter and the thickness of the workpiece.

Formula A	Formula B	Formula C
$P = \frac{S \times 1,4142}{3}$	$Z = \frac{D \times 3,14}{P}$	$Z = \frac{D \times 8}{S}$

KEY:
P= Pitch
S= Thickness of the workpiece
Z= Number of teeth of the saw blade
D= Diameter of the saw blade

Attention:
These formulas are valid for crosscutting and cutting other wood composites (MDF, plywood, chipboard and laminated panels) and cannot be applied for ripping.

8



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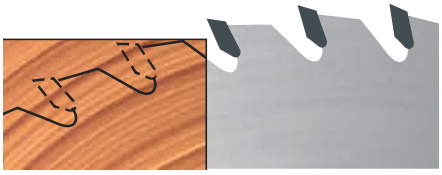

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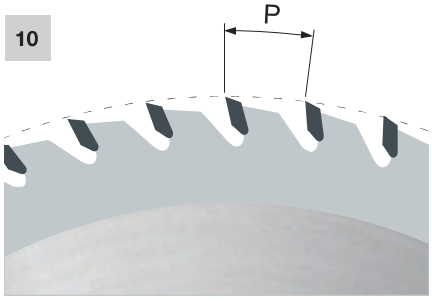

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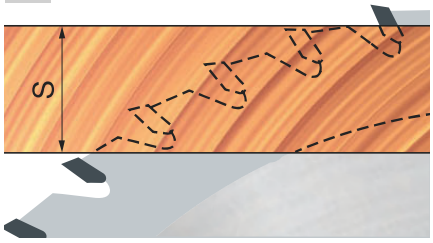

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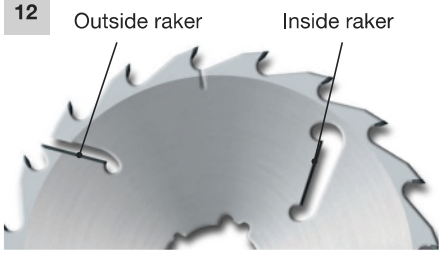
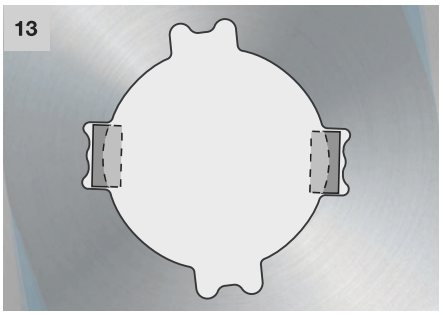


TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

- Rakers (Fig. 12) are inserts in HW that are brazed onto saw blades exclusively for cutting wood. They help keep a distance between the saw blade body and the workpiece, in order to avoid friction and overheating which cause the blade to deform.
- On saw blades for multiripping machines, the anti-kickback device is advised in cases where wood has loose knots and discards cases insert themselves underneath the saw blade.
- The pairing of blade and arbor with keyways is excellent in all cases where the keyways are the same (Fig. 13) or smaller then the blade slots (Fig. 14).
- On machines with an arbor with 1 keyway, you can only mount blades with 1 keyway slot (Fig. 15); on machines with an arbor with 2 keyways, you can only mount blades with 2 or 4 keyway slots (Fig. 16).
- You cannot mount a saw blade with 2 keyways on an arbor with 1 keyway slot, because the pairing will not be balanced.
- In case multiripping saw blades are used, it is recommendable to assembly them with alternate keyways (Fig. 17).
- Shoulder blade ensures correct distribution of lateral forces created by crooked planks in heavy duty use. The shoulder blade must be the first blade on the guide side of the multiripping machine.
- Always use shoulder blade with the set of multiripping blades (Fig. 18).
- On multiripping saw blades, the thickness of the workpiece (S) varies according to the diameter of the blade (Ø) and the minimum diameter (Ø1) of the rakers (the rakers position may vary from blade to blade - Fig. 19).

13



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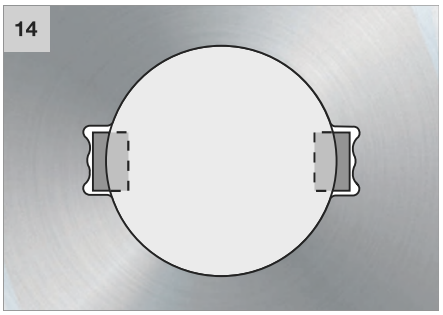

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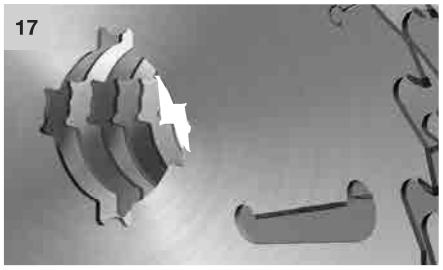

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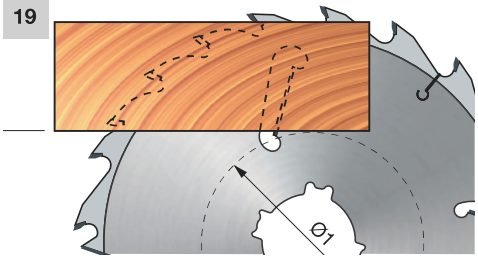
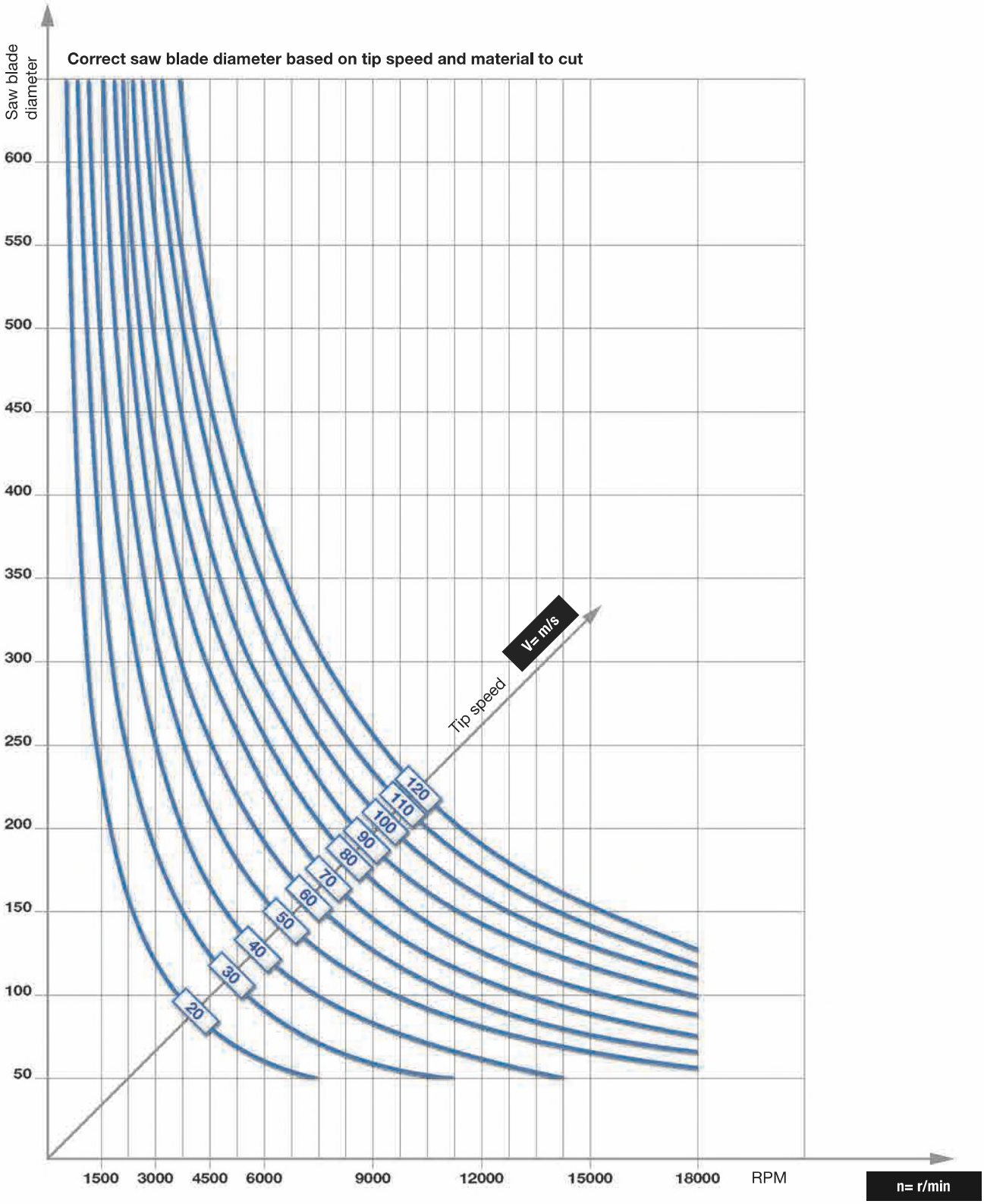


TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

Tip speed (m/s)	Recommended for
50 - 90	Softwood
50 - 80	Hardwood
50 - 85	Exotic wood
60 - 80	Chipboard
60 - 80	Joinery wood
30 - 60	MDF
40 - 60	Laminated and bilaminated

Correct saw blade diameter based on tip speed and material to cut

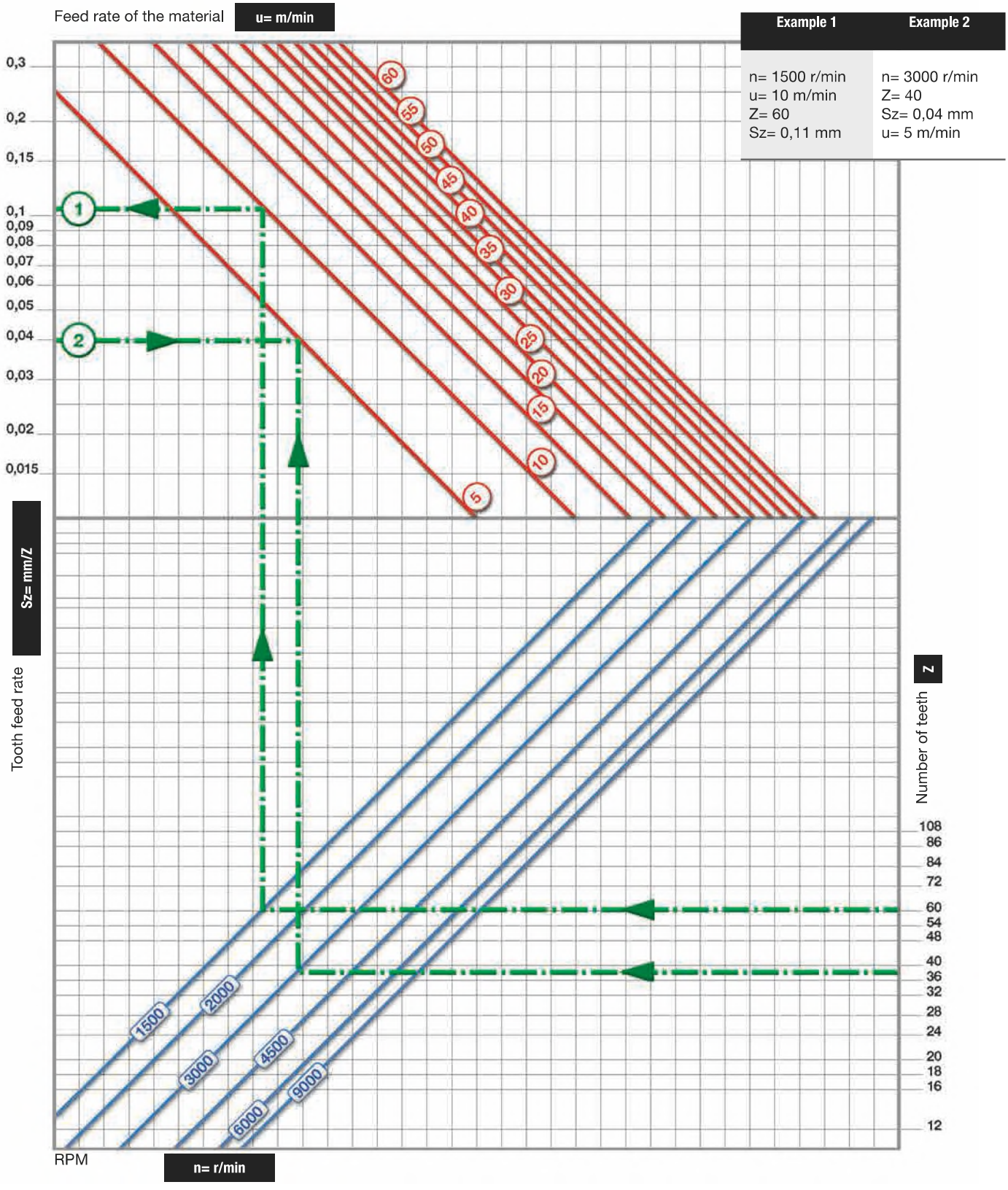


TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

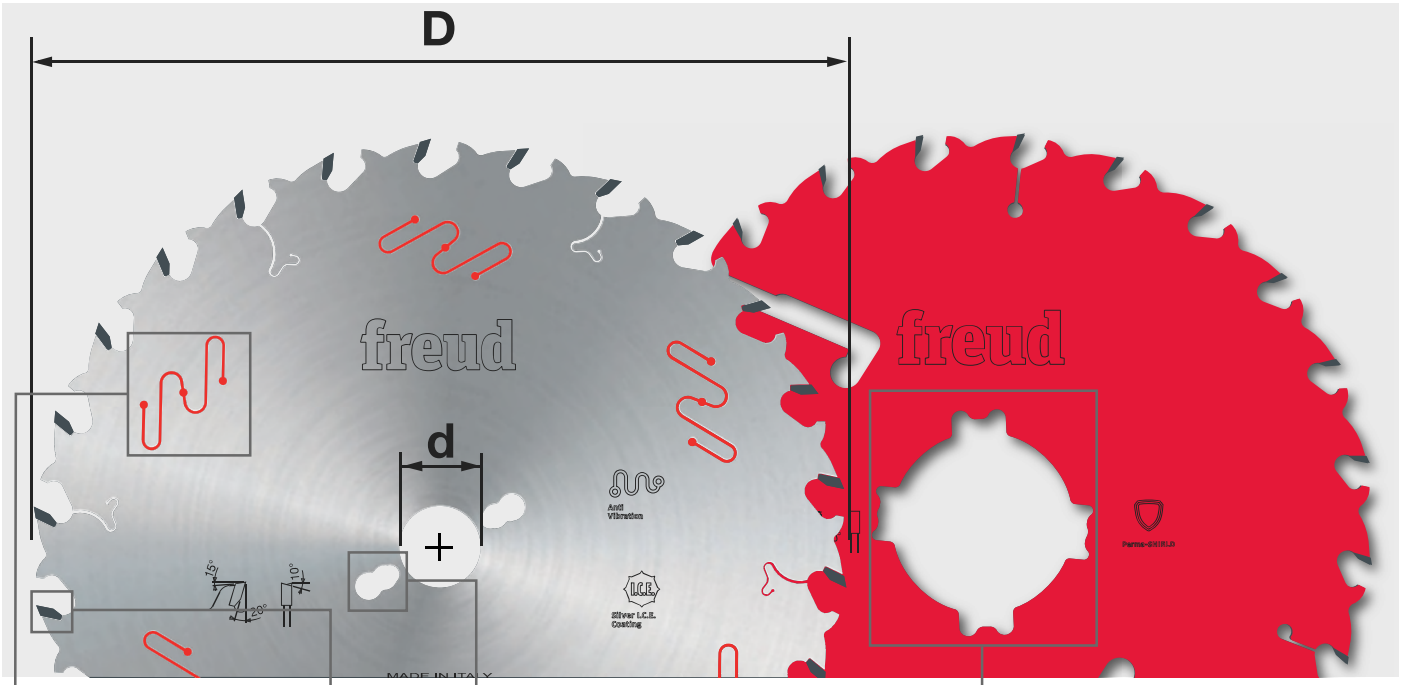
Correct tooth feed rate, material feedrate, number of teeth and RPM

Recommended tooth feed rate (Sz= mm/tooth)	Recommended for
0,20 - 0,30	Softwood with grain
0,10 - 0,20	Softwood cross grain
0,06 - 0,15	Hardwood
0,10 - 0,25	Chipboard

Recommended tooth feed rate (Sz= mm/tooth)	Recommended for
0,05 - 0,12	Plywood
0,05 - 0,10	Laminated board
0,02 - 0,05	Aluminium and plastic laminated chipboard

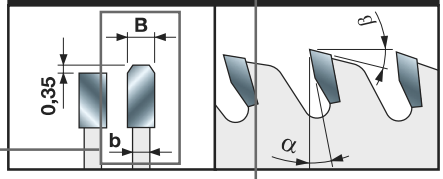


EXPLANATION OF SYMBOLS AND ABBREVIATIONS



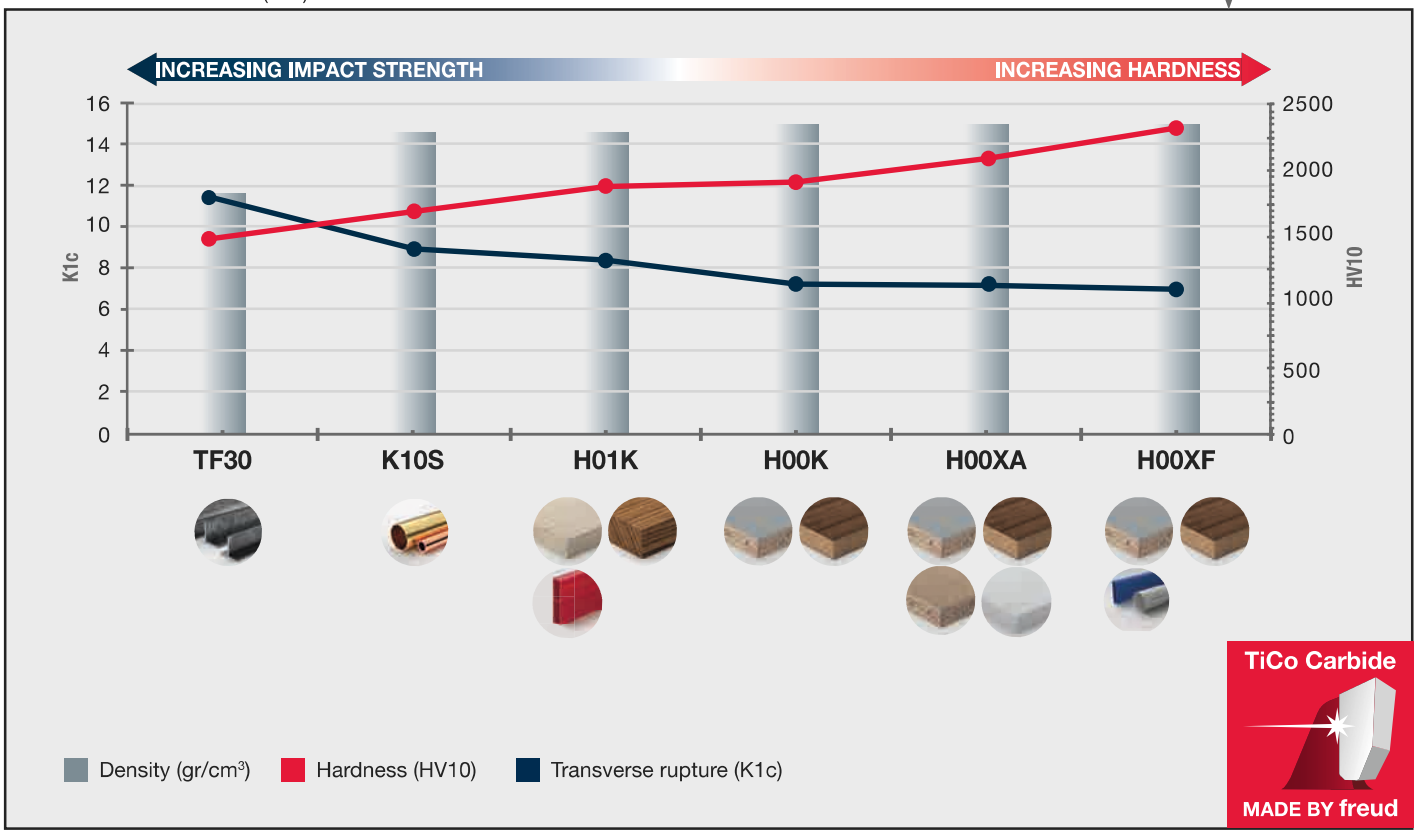
D mm	B mm	b mm	d mm	Z	NL - KN	Freud Code	Art. No.
250	3,2	2,2	30	22	FT01	**ABCD 1234**	A00BC01234
250	3,2	2,2	70	22	4CH 21x5	**ABCD 1234**	A00BC01234
300	3,2	2,2	30	26	FT01	**ABCD 1234**	A00BC01234

HW H00XA



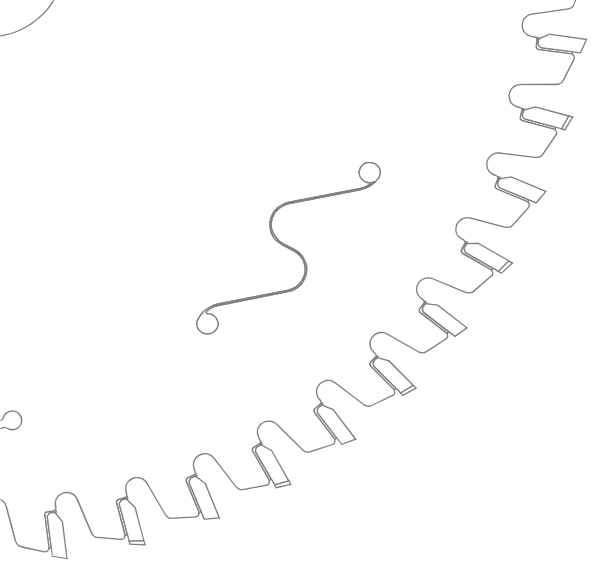
Tooth features

MICRO-GRAIN CARBIDE (HW) HARDNESS USED FOR MANUFACTURING TIPS

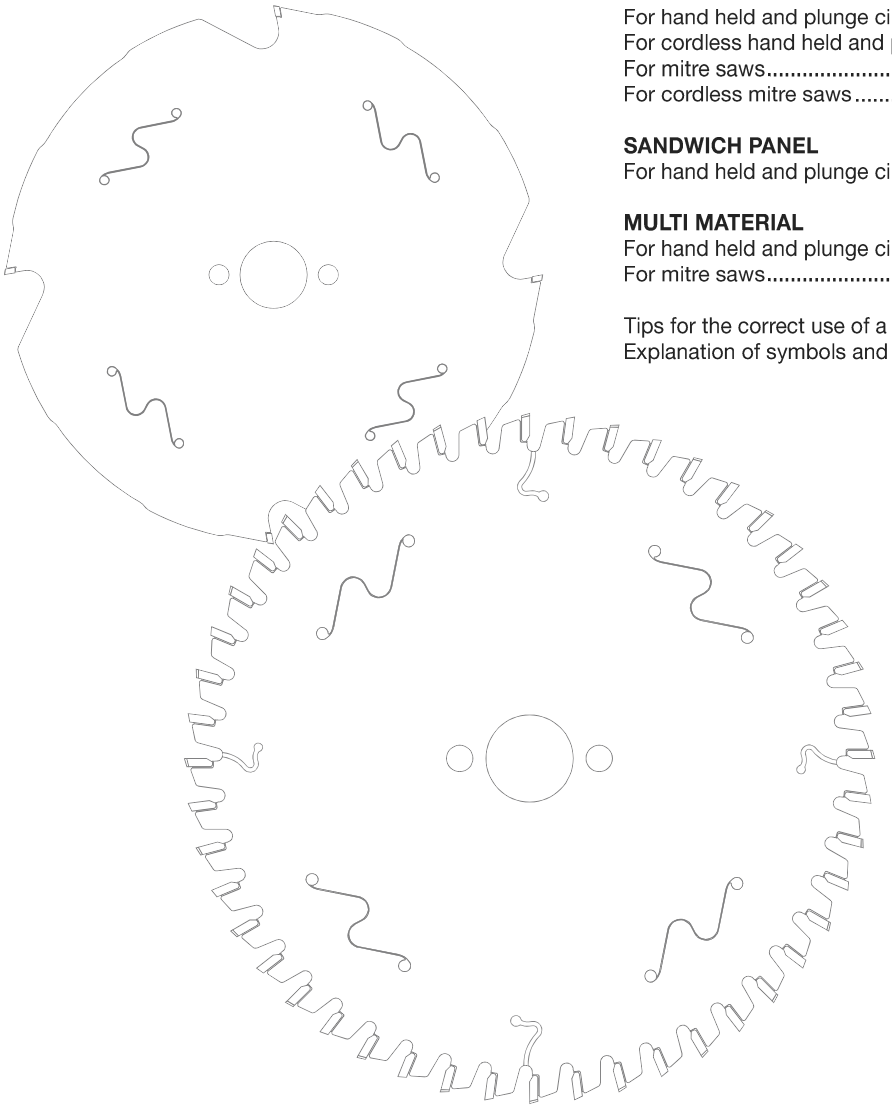


Circular Saw Blades for Portable Machines

Freud's wide range of circular saw blades for portable machines offers dedicated solutions for all main power tool brands. Each blade is specifically engineered per application material and machine type. The portfolio includes dedicated blades designed for cordless power tools and featuring extra thin kerf teeth with optimised geometries that enable maximised cuts per battery charge, optimum ease of cut and excellent lifetime.
The range offers a wide variety of solutions dedicated to wood, laminated panel, construct wood, high pressure laminate, aluminium, fibre cement, sandwich panel and multi material.
All circular saw blades feature Freud's unique and industry-first attributes.



CIRCULAR SAW BLADES FOR PORTABLE MACHINES

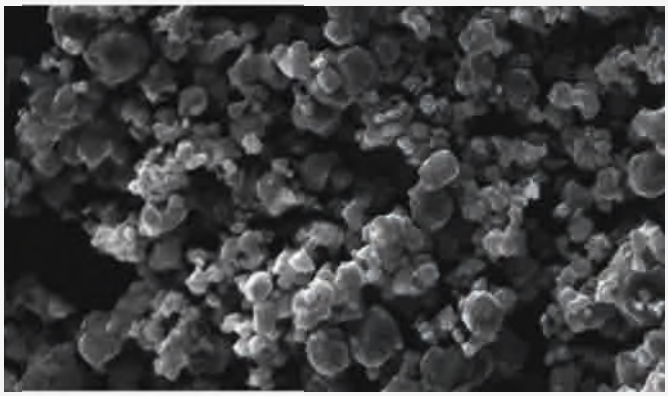


LEADING TECHNOLOGY

TICO CARBIDE TECHNOLOGY

Freud's ownership and control of the entire Carbide production cycle ensures that the correct formula is used for the specific application needs, to constantly maximise the saw blade performance.

TiCo Carbide
A specially formulated, highly compact Titanium Cobalt Carbide, engineered and manufactured by Freud.
It provides a sharper edge and a flawless finish with a dramatically longer cutting life.

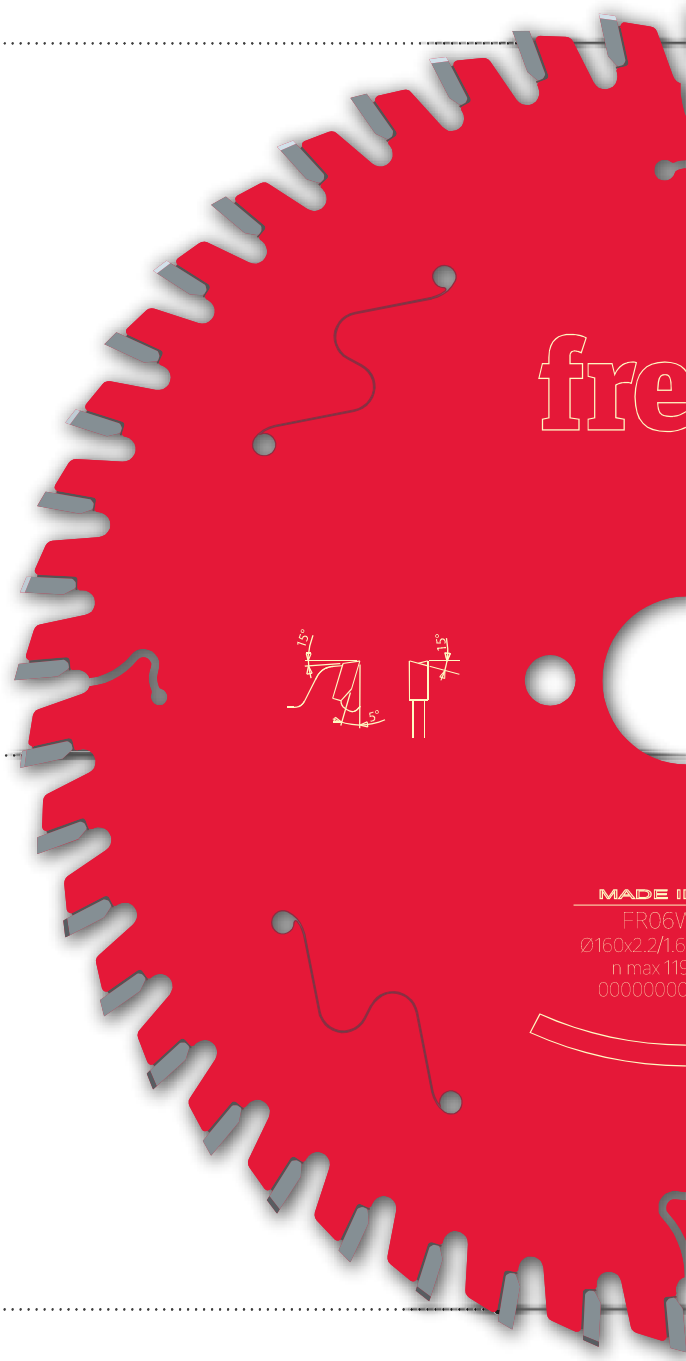


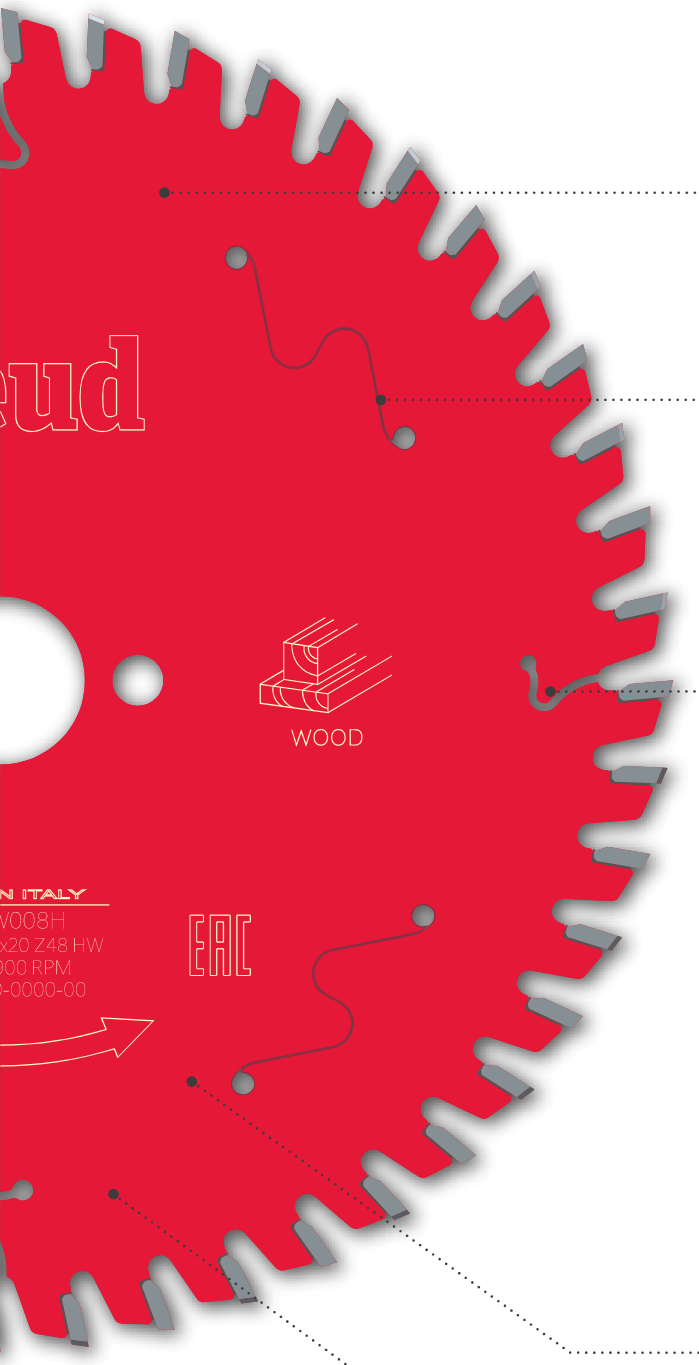
DESIGN INNOVATION

Freud's special tooth designs and geometries are engineered to perform perfect cuts and deliver extraordinary durability. Freud's tooth designs are optimised for specific material applications and portable machine types, both corded and cordless.

EXTREME SHOCK RESISTANCE

All Freud's circular saw blades undergo an innovative **Tri-Metal Brazing** process that bonds the Carbide tips to the steel blade body. This special method consists of copper alloy sandwiched between layers of silver alloy, for extra flexibility and maximum impact resistance.





COATING TECHNOLOGY

All Freud's circular saw blades feature an industry-first premium coating for superior protection from heat, pitch build-up and corrosion.
Freud's circular saws for portable machines display Perma-SHIELD Coating for the highest performance on dedicated applications.

Perma-SHIELD Coating
A non-stick coating formulation that withstands the toughest applications. It provides thermal insulation, protects from corrosion and eliminates resin build-up, reducing downtime for cleaning.

ANTI-VIBRATION SOLUTIONS

Anti-vibration Slots
Freud's circular saw blades for portable machines display specially designed anti-vibration slots, laser cut on the blade body that enable a smooth running and minimise noise.

LASER-CUT EXPANSION SLOTS

Special laser-cut expansion slots enable heat dispersion and prevent the blade deformation caused by overheating, granting the greatest blade stability.

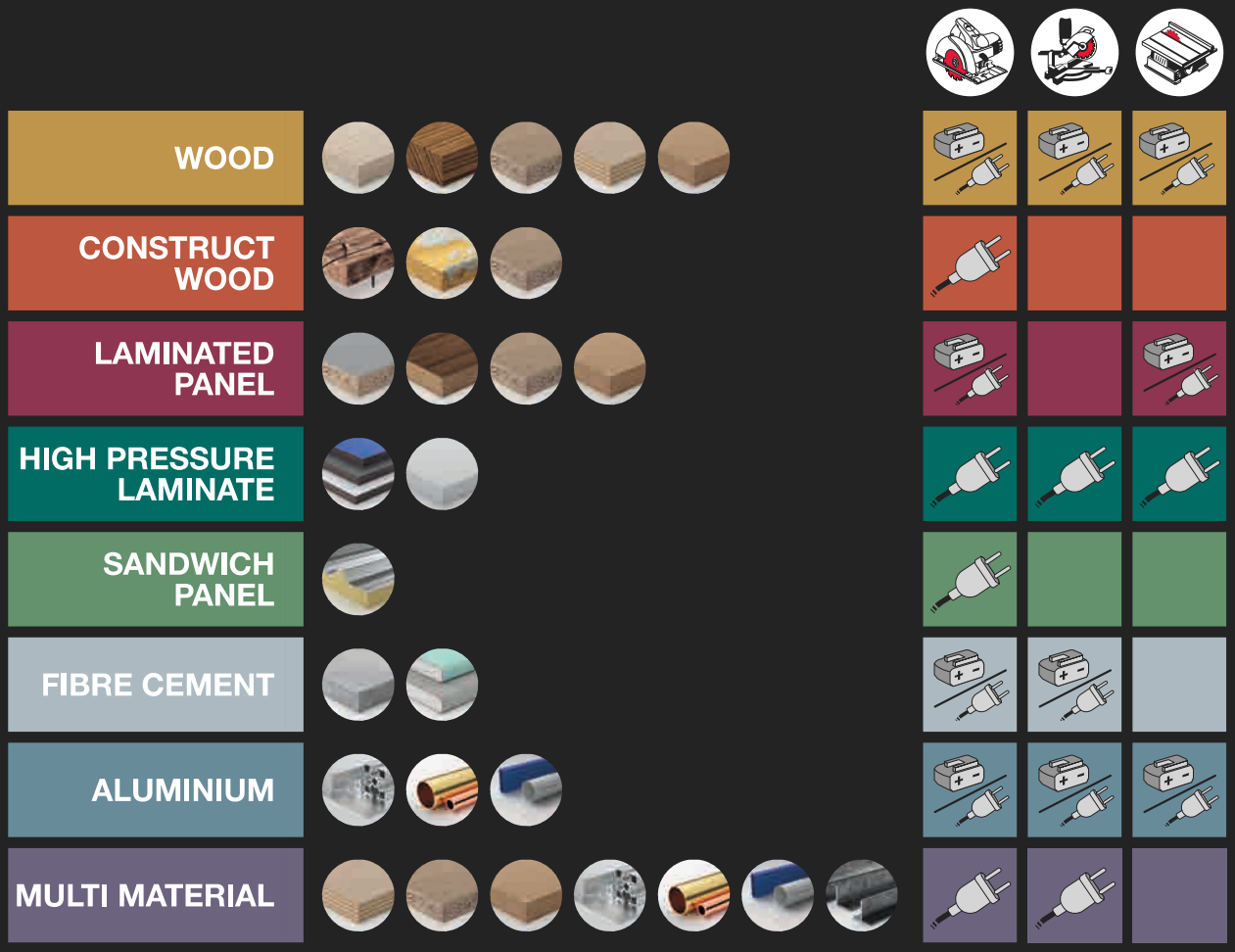
BALANCING

Tensioning
Freud's circular saw blades (≥200mm) include a tensioning ring to maintain the blade flat, maximising cutting precision and performance.

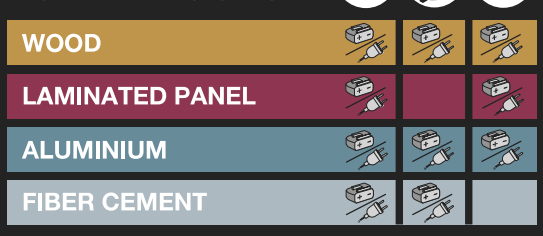
PREMIUM MATERIALS

Premium Steel
Freud's circular blades for portable machines are made from pre-hardened and pre-flattened superior quality steel (up to HRC 46) that delivers the highest precision, performance and durability.

THE WIDEST PROFESSIONAL RANGE FOR ANY APPLICATION NEED



OPTIMISED FOR
CORDLESS
POWER TOOLS



SPECIAL RANGE FOR CORDLESS POWER TOOLS

- Maximised battery runtime
- Optimised ease of cut

BATTERY RUNTIME

Optimised range (cordless)

Regular range (corded)

EASE OF CUT

Optimised range (cordless)

Regular range (corded)

BLADE LIFETIME

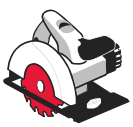
Optimised range (cordless)

Regular range (corded)

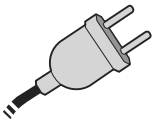
Wood

CIRCULAR SAW BLADES FOR WOOD

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Corded

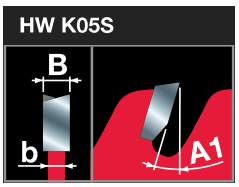

Softwood


Hardwood


Chipboard


Plywood


MDF



Machines:
Hand-held circular saws and plunge circular saws.

Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

Technical information:
ATB tooth with positive cutting angle.


Ripping


Crosscutting

● Good
●● High
●●● Ultimate

D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
120	1,8	1,3	20	12	15°	●●●	●	-	**FR02W001H**	F03FS09663
120	1,8	1,3	20	40	5°	●	●●●	-	**FR02W002H**	F03FS09664
130	2,4	1,6	20	24	15°	●●	●●	2/6/32,5	**FR03W001H**	F03FS09665
130	2,4	1,6	20	36	5°	●	●●●	2/6/32,5	**FR03W002H**	F03FS09666
140	1,8	1,3	20	24	15°	●●●	●	2/6/32,5	**FR04W001H**	F03FS09667
140	1,8	1,3	20	36	10°	●●	●●	2/6/32,5	**FR04W002H**	F03FS09668
140	1,8	1,3	20	42	5°	●	●●●	2/6/32,5	**FR04W003H**	F03FS09669
150	2,4	1,6	16	24	15°	●●●	●	2/6/32,5	**FR05W001H**	F03FS09670
150	2,4	1,6	20	24	15°	●●●	●	2/6/32,5	**FR05W002H**	F03FS09671
150	2,4	1,6	20	42	5°	●	●●●	2/6/32,5	**FR05W003H**	F03FS09672
160	2,4	1,6	16	24	15°	●●●	●	2/6/32,5	**FR06W001H**	F03FS09673
160	2,4	1,6	16	48	5°	●	●●●	2/6/32,5	**FR06W002H**	F03FS09674
160	1,8	1,3	20	24	15°	●●●	●	2/6/32,5	**FR06W003H**	F03FS09675
160	1,8	1,3	20	36	10°	●●	●●	2/6/32,5	**FR06W004H**	F03FS09676
160	1,8	1,3	20	48	5°	●	●●●	2/6/32,5	**FR06W005H**	F03FS09677
160	2,2	1,6	20	24	15°	●●●	●	2/6/32,5	**FR06W006H**	F03FS09678
160	2,2	1,6	20	36	10°	●●	●●	2/6/32,5	**FR06W007H**	F03FS09679
160	2,2	1,6	20	48	5°	●	●●●	2/6/32,5	**FR06W008H**	F03FS09680
160	2,4	1,6	20	24	15°	●●●	●	2/6/32,5	**FR06W009H**	F03FS09681
160	2,4	1,6	20	36	10°	●●	●●	2/6/32,5	**FR06W010H**	F03FS09682
160	2,4	1,6	20	48	5°	●	●●●	2/6/32,5	**FR06W011H**	F03FS09683
160	2,4	1,6	30	24	15°	●●●	●	2/6/42	**FR06W012H**	F03FS09684
160	2,4	1,6	30	48	5°	●	●●●	2/6/42	**FR06W013H**	F03FS09685
165	1,7	1,3	20	12	20°	●●●	●	-	**FR07W009H**	F03FS10040
165	1,7	1,3	20	24	15°	●●●	●	-	**FR07W001H**	F03FS09686
165	1,7	1,3	20	40	18°	●	●●●	-	**FR07W002H**	F03FS09687
165	2,4	1,6	20	24	15°	●●●	●	2/6/32,5	**FR07W003H**	F03FS09688
165	2,4	1,6	20	36	10°	●●	●●	2/6/32,5	**FR07W004H**	F03FS09689
165	2,4	1,6	20	48	5°	●	●●●	2/6/32,5	**FR07W005H**	F03FS09690
165	2,4	1,6	30	24	15°	●●●	●	2/7/42	**FR07W006H**	F03FS09691
165	2,4	1,6	30	36	10°	●●	●●	2/7/42	**FR07W007H**	F03FS09692
165	2,4	1,6	30	48	5°	●	●●●	2/7/42	**FR07W008H**	F03FS09693
170	2,4	1,6	30	40	10°	●●	●●	2/7/42	**FR08W002H**	F03FS09695
180	2,4	1,6	20	24	15°	●●●	●	2/6/32,5	**FR09W001H**	F03FS09696
180	2,4	1,6	20	48	5°	●	●●●	2/6/32,5	**FR09W002H**	F03FS09697
180	2,4	1,6	30	24	15°	●●●	●	2/7/42	**FR09W003H**	F03FS09698
180	2,4	1,6	30	48	5°	●	●●●	2/7/42	**FR09W004H**	F03FS09699
182	1,7	1,3	19,05	30	15°	●●●	●	-	**FR10W001H**	F03FS09700
182	1,7	1,3	19,05	40	15°	●●	●●	-	**FR10W002H**	F03FS09701
182	1,7	1,3	19,05	60	15°	●	●●●	-	**FR10W003H**	F03FS09702
184	2,4	1,6	16	24	15°	●●●	●	2/6/32,5	**FR11W001H**	F03FS09703
184	2,4	1,6	16	40	10°	●●	●●	2/6/32,5	**FR11W002H**	F03FS09704
184	2,4	1,6	30	24	15°	●●●	●	2/7/42	**FR11W007H**	F03FS09709
190	2,4	1,6	16	24	15°	●●●	●	2/6/32,5	**FR13W001H**	F03FS09712
190	2,4	1,6	16	48	10°	●	●●●	2/6/32,5	**FR13W002H**	F03FS09713
190	2,4	1,6	20	24	15°	●●●	●	2/6/32,5	**FR13W003H**	F03FS09714
190	2,4	1,6	20	48	10°	●	●●●	2/6/32,5	**FR13W004H**	F03FS09715
190	2,4	1,6	20	56	5°	●	●●●	2/6/32,5	**FR13W005H**	F03FS09716
190	2,4	1,6	30	24	15°	●●●	●	2/7/42	**FR13W006H**	F03FS09717
190	2,4	1,6	30	40	10°	●●	●●	2/7/42	**FR13W007H**	F03FS09718
190	2,4	1,6	30	48	10°	●	●●●	2/7/42	**FR13W008H**	F03FS09719

CIRCULAR SAW BLADES FOR WOOD

D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
190	2,4	1,6	30	56	5°	•	•••	2/7/42	**FR13W009H**	F03FS09720
200	2,4	1,6	30	24	15°	•••	•	2/7/42	**FR14W001H**	F03FS09721
200	2,4	1,6	30	48	10°	•	•••	2/7/42	**FR14W002H**	F03FS09722
210	2,4	1,8	30	24	15°	•••	•	2/7/42	**FR15W003H**	F03FS09725
210	2,4	1,8	30	40	15°	••	••	2/7/42	**FR15W001H**	F03FS09723
210	2,4	1,8	30	48	10°	•	•••	2/7/42	**FR15W004H**	F03FS09726
210	2,4	1,8	30	56	5°	•	•••	2/7/42	**FR15W002H**	F03FS09724
230	2,8	1,8	30	24	15°	•••	•	2/6/42	**FR19W001H**	F03FS09728
230	2,8	1,8	30	36	15°	••	••	2/7/42	**FR19W002H**	F03FS09729
230	2,8	1,8	30	48	15°	••	••	2/7/42	**FR19W003H**	F03FS09730
235	2,8	1,8	30	24	15°	•••	•	2/6/42	**FR20W003H**	F03FS09733
235	2,8	1,8	30	36	15°	••	••	2/7/42	**FR20W004H**	F03FS09734
235	2,8	1,8	30	48	15°	••	••	2/7/42	**FR20W005H**	F03FS09735
235	2,8	1,8	30	56	10°	•	•••	2/7/42	**FR20W006H**	F03FS09736
237	2,5	1,8	30	24	15°	•••	•	2/7/42	**FR21W001H**	F03FS09737
237	2,5	1,8	30	56	10°	•	•••	2/7/42	**FR21W002H**	F03FS09738
240	2,8	1,8	30	48	15°	••	••	2/7/42	**FR22W001H**	F03FS09739
270	2,8	1,8	30	60	10°	••	••	FT121	**FR27W001H**	F03FS09740
350	3,5	2,2	30	24	20°	•••	•	2/7/42	**FR32W001H***	F03FS09742
355	3,0	2,2	30	60	15°	•••	•	FT121	**FR33W001H***	F03FS09743

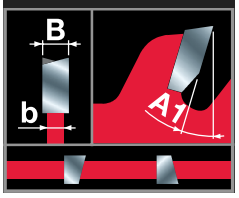
*HW K10S

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW K05S



Machines:
Cordless hand-held and plunge circular saws.

Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

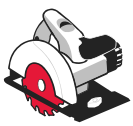
Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless saws.
Thin kerf teeth and axial shear angle on tooth front.
ATB tooth with positive cutting angle.


Ripping

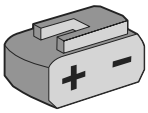

Crosscutting

● Good
●● High
●●● Ultimate

For cordless hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Cordless

OPTIMISED FOR CORDLESS POWER TOOLS


Softwood


Hardwood


Chipboard


Plywood

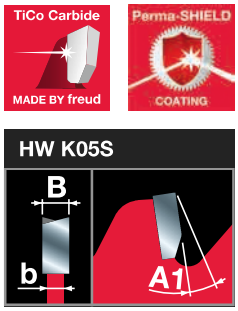

MDF

D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
120	1,7	1,2	20	24	20°	••	••	-	**FR02W003HC**	F03FS10043
136	1,5	1,0	20	24	20°	••	••	-	**FR03W003HC**	F03FS10044
140	1,8	1,3	20	24	15°	•••	•	-	**FR04W004HC**	F03FS10045
140	1,8	1,3	20	42	5°	•	•••	-	**FR04W005HC**	F03FS10046
160	1,5	1,0	20	24	25°	•••	•	-	**FR05W015HC**	F03FS10048
160	1,5	1,0	20	36	15°	••	••	-	**FR05W016HC**	F03FS10049
160	1,5	1,0	20	48	10°	•	•••	-	**FR05W017HC**	F03FS10050
160	1,8	1,3	20	24	15°	•••	•	2/6/32,5	**FR06W003H**	F03FS09675
160	1,8	1,3	20	36	10°	••	••	2/6/32,5	**FR06W004H**	F03FS09676
160	1,8	1,3	20	48	5°	•	•••	2/6/32,5	**FR06W005H**	F03FS09677
160	2,2	1,6	20	24	15°	•••	•	2/6/32,5	**FR06W006H**	F03FS09678
160	2,2	1,6	20	36	10°	••	••	2/6/32,5	**FR06W007H**	F03FS09679
160	2,2	1,6	20	48	5°	•	•••	2/6/32,5	**FR06W008H**	F03FS09680
165	1,5	1,0	20	12	25°	•••	•	-	**FR07W009HC**	F03FS10051
165	1,5	1,0	20	24	25°	•••	•	-	**FR07W010HC**	F03FS10052
165	1,5	1,0	20	36	15°	••	••	-	**FR07W011HC**	F03FS10053
165	1,5	1,0	20	48	10°	•	•••	-	**FR07W012HC**	F03FS10054
165	1,7	1,3	20	12	20°	•••	•	-	**FR07W009H**	F03FS10040
165	1,7	1,3	20	24	15°	•••	•	-	**FR07W001H**	F03FS09686
165	1,7	1,3	20	40	18°	•	•••	-	**FR07W002H**	F03FS09687
182	1,7	1,3	19,05	30	15°	•••	•	-	**FR10W001H**	F03FS09700
182	1,7	1,3	19,05	40	15°	••	••	-	**FR10W002H**	F03FS09701
182	1,7	1,3	19,05	60	15°	•	•••	-	**FR10W003H**	F03FS09702
184	1,6	1,0	20	24	25°	•••	•	-	**FR11W010HC**	F03FS10055

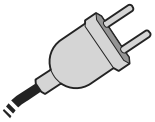
CIRCULAR SAW BLADES FOR WOOD

D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
184	1,6	1,0	20	48	10°	•	•••	-	**FR11W011HC**	F03FS10056
190	1,5	1,0	30	18	25°	•••	•	-	**FR13W010HC**	F03FS10057
190	1,5	1,0	30	24	25°	•••	•	-	**FR13W011HC**	F03FS10058
190	1,5	1,0	30	48	15°	••	••	-	**FR13W012HC**	F03FS10059
190	1,5	1,0	30	60	10°	•	•••	-	**FR13W013HC**	F03FS10060

For mitre saws




Mitre Saws


Corded


Softwood Hardwood Chipboard Plywood MDF

Machines:
Mitre saws.

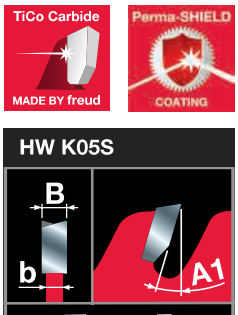
Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

Technical information:
ATB tooth with negative cutting angle.

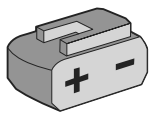
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
210	2,4	1,8	30	48	-5°	2/7/42	**FR15W001M**	F03FS09747
216	2,4	1,8	25,4	48	-5°	2/6/42	**FR16W004M**	F03FS09751
216	2,4	1,8	25,4	64	-5°	2/6/42	**FR16W005M**	F03FS09752
216	2,4	1,8	30	24	-5°	2/6/42	**FR16W001M**	F03FS09748
216	2,4	1,8	30	40	-5°	2/7/42	**FR16W002M**	F03FS09749
216	2,4	1,8	30	48	-5°	2/7/42	**FR16W003M**	F03FS09750
250	2,4	1,8	30	40	-5°	FT121	**FR23W001M**	F03FS09753
250	2,4	1,8	30	60	-5°	FT121	**FR23W002M**	F03FS09754
254	2,4	1,8	30	60	-5°	FT121	**FR24W001M**	F03FS09755
260	2,4	1,8	30	60	-5°	FT121	**FR26W001M**	F03FS09760
300	2,4	1,8	30	72	-5°	FT121	**FR28W001M**	F03FS09761
305	2,4	1,8	30	48	-5°	-	**FR29W001M**	F03FS09762
305	2,4	1,8	30	72	-5°	FT121	**FR29W002M**	F03FS09763
315	2,4	1,8	30	72	-5°	FT121	**FR30W001M**	F03FS09766

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

For cordless mitre saws




Mitre Saws


Cordless

OPTIMISED FOR CORDLESS POWER TOOLS


Softwood Hardwood Chipboard Plywood MDF

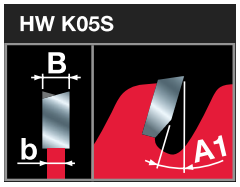
Machines:
Cordless mitre saws.

Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless mitre saws. Thin kerf teeth and axial shear angle on tooth front. ATB tooth with positive cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
216	1,7	1,2	30	24	5°	-	**FR16W006MC**	F03FS10061
216	1,7	1,2	30	48	5°	-	**FR16W007MC**	F03FS10062
250	2,1	1,6	30	24	5°	-	**FR23W003MC**	F03FS10063
250	2,1	1,6	30	48	5°	-	**FR23W004MC**	F03FS10064
305	2,2	1,6	30	42	5°	-	**FR29W004MC**	F03FS10065
305	2,2	1,6	30	60	5°	-	**FR29W005MC**	F03FS10066
305	2,2	1,6	30	96	5°	-	**FR29W006MC**	F03FS10067

For small table saws



Machines:
Small table saws.

Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

Technical information:
ATB tooth with positive cutting angle.


Ripping

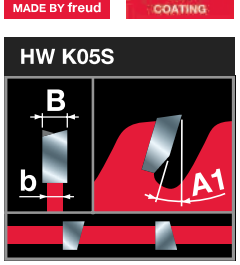

Crosscutting

● Good
●● High
●●● Ultimate

D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
190	2,0	1,3	30	24	15°	●●●	●	2/7/42	**FR13W001T**	F03FS09767
190	2,0	1,3	30	48	5°	●	●●●	2/7/42	**FR13W002T**	F03FS09768
190	2,4	1,6	Star	24	15°	●●●	●	-	**FR13W003T**	F03FS09769
190	2,4	1,6	Star	48	5°	●	●●●	-	**FR13W004T**	F03FS09770
220	2,6	1,6	30	48	10°	●●	●●	2/7/42	**FR17W001T**	F03FS09771
225	2,6	1,6	30	32	15°	●●●	●	2/7/42	**FR18W001T**	F03FS09772
225	2,6	1,6	30	48	10°	●●	●●	2/7/42	**FR18W002T**	F03FS09773
250	2,8	1,8	30	24	20°	●●●	●	2/6/42	**FR23W001T**	F03FS09774
250	2,8	1,8	30	40	15°	●●●	●	2/6/42	**FR23W002T**	F03FS09775
250	2,8	1,8	30	60	10°	●●	●●	2/6/42	**FR23W003T**	F03FS09776
250	2,8	1,8	30	80	5°	●	●●●	FT121	**FR23W004T**	F03FS09777
254	2,6	1,8	30	24	20°	●●●	●	2/6/42	**FR24W001T**	F03FS09778
254	2,6	1,8	30	40	15°	●●●	●	2/6/42	**FR24W002T**	F03FS09779
254	2,6	1,8	30	60	10°	●●	●●	FT121	**FR24W003T**	F03FS09780
254	2,6	1,8	30	80	5°	●	●●●	FT121	**FR24W004T**	F03FS09781
255	2,8	1,8	25,4	40	15°	●●●	●	-	**FR25W002T**	F03FS10134
255	2,8	1,8	25,4	60	15°	●●	●●	-	**FR25W003T**	F03FS10135
255	2,8	1,8	25,4	80	15°	●	●●●	-	**FR25W004T**	F03FS10136
260	2,6	1,8	30	60	10°	●●	●●	-	**FR26W001T**	F03FS09782
260	2,6	1,8	30	80	5°	●	●●●	FT121	**FR26W002T**	F03FS09783
300	2,5	1,8	30	48	15°	●●●	●	2/10/60	**FR28W001T**	F03FS09784
300	2,5	1,8	30	72	10°	●●	●●	2/10/60	**FR28W002T**	F03FS09785
300	2,5	1,8	30	100	5°	●	●●●	FT121	**FR28W003T**	F03FS09786
305	2,8	1,8	25,4	96	15°	●	●●●	-	**FR29W002T**	F03FS10138
305	2,8	1,8	30	100	5°	●	●●●	2/10/60	**FR29W001T**	F03FS09787
355	3,0	2,2	25,4	108	15°	●	●●●	-	**FR33W001T**	F03FS10137

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

For cordless small table saws



Machines:
Cordless small table saws.

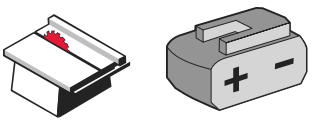
Materials:
Soft and hard solid wood, chipboard, plywood, MDF and other wood based materials.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless table saws. Thin kerf teeth and axial shear angle on tooth front. ATB tooth with positive cutting angle.


Ripping


Crosscutting

● Good
●● High
●●● Ultimate

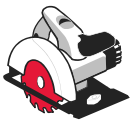


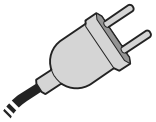
D mm	B mm	b mm	d mm	Z	Hook A1	Rip cut quality	Cross cut quality	NL	Freud Code	Art. No.
210	2,0	1,4	30	24	25°	●●●	●	-	**FR15W001TC**	F03FS10068
210	2,0	1,4	30	48	15°	●	●●●	-	**FR15W002TC**	F03FS10069
216	2,0	1,4	30	24	25°	●●●	●	-	**FR16W001TC**	F03FS10070
216	2,0	1,4	30	48	15°	●	●●●	-	**FR16W002TC**	F03FS10071
254	2,1	1,6	30	24	25°	●●●	●	-	**FR24W005TC**	F03FS10072
254	2,1	1,6	30	40	20°	●●	●●	-	**FR24W006TC**	F03FS10073
254	2,1	1,6	30	60	15°	●	●●●	-	**FR24W007TC**	F03FS10074

Construct Wood

CIRCULAR SAW BLADES FOR CONSTRUCT WOOD

For hand-held circular saws


Hand-held Circular Saws

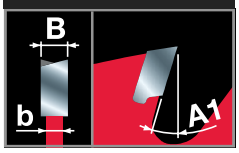

Corded


Construction Timber


Shuttering Board


Chipboard

HW K10S



Machines:
Hand-held circular saws.

Materials:
Construction timber with nails and concrete residues, chipboard and formwork boards.

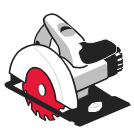
Technical information:
Special Carbide recipe and innovative tooth design ensure high cutting resistance, also when hitting nails.
ATB tooth with positive cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
160	2,0	1,3	20	14	18°	2/6/32,5	**FR06C001H**	F03FS09788
165	2,0	1,3	20	14	18°	2/6/32,5	**FR07C001H**	F03FS09789
180	2,0	1,3	30	14	18°	2/6/42	**FR09C001H**	F03FS09790
184	2,0	1,3	16	14	18°	2/6/32,5	**FR11C001H**	F03FS09791
190	2,0	1,3	30	14	18°	2/7/42	**FR13C001H**	F03FS09792
200	2,0	1,3	30	16	18°	2/7/42	**FR14C001H**	F03FS09793
210	2,0	1,3	30	16	18°	2/7/42	**FR15C001H**	F03FS09794
230	2,2	1,6	30	20	18°	2/7/42	**FR19C001H**	F03FS09795
235	2,2	1,6	30	20	18°	2/7/42	**FR20C001H**	F03FS09796

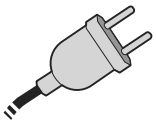
Laminated Panel

CIRCULAR SAW BLADES FOR LAMINATED PANEL

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws

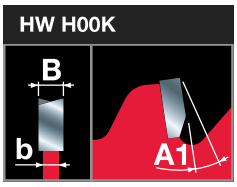

Corded

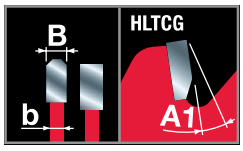

Laminated Chipboard


Laminated MDF


Chipboard


MDF





*

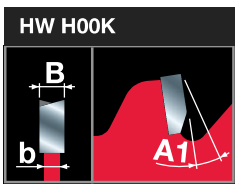
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	42	-5°	2/6/32,5	**FR04L001H**	F03FS09797
160	1,8	1,2	20	48	-5°	-	**FR06L003HC**	F03FS10075
160	2,2	1,6	20	48	-5°	2/6/32,5	**FR06L001H**	F03FS09798
160	2,2	1,6	20	48	-5°	-	**FR06L002H***	F03FS09799
165	2,6	1,6	20	48	-5°	2/6/32,5	**FR07L001H**	F03FS09800
185	2,4	1,6	20	60	-5°	-	**FR12L001H**	F03FS09801
190	2,6	1,6	30	60	-5°	2/7/42	**FR13L001H**	F03FS09802

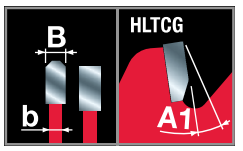
Machines:
Hand-held and plunge circular saws.

Materials:
Laminated and bilaminated panels, chipboard, MDF and fine-coated or veneered panels.

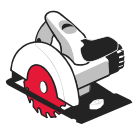
Technical information:
ATB tooth with negative cutting angle.
*HLTCG with negative cutting angle.

For cordless hand-held and plunge circular saws

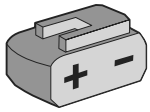




*


Hand-held Circular Saws


Plunge Saws


Cordless


Laminated Chipboard


Laminated MDF


Chipboard


MDF

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	42	-5°	2/6/32,5	**FR04L001H**	F03FS09797
160	1,8	1,2	20	48	-5°	-	**FR06L003HC**	F03FS10075
160	2,2	1,6	20	48	-5°	2/6/32,5	**FR06L001H**	F03FS09798
160	2,2	1,6	20	48	-5°	-	**FR06L002H***	F03FS09799
165	1,8	1,2	20	48	-5°	-	**FR07L002HC**	F03FS10076
190	2,1	1,4	30	60	-5°	-	**FR13L002HC**	F03FS10077

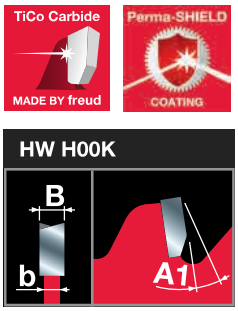
Machines:
Cordless hand-held and plunge circular saws.

Materials:
Laminated and bilaminated panels, chipboard, MDF and fine-coated or veneered panels.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless saws.
Thin kerf and ATB tooth with negative cutting angle.
*HLTCG with negative cutting angle.

CIRCULAR SAW BLADES FOR LAMINATED PANEL

For small table saws



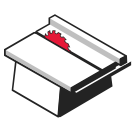
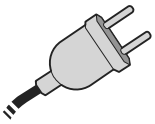


Table saws



Corded

Laminated Chipboard | Laminated MDF | Chipboard | MDF

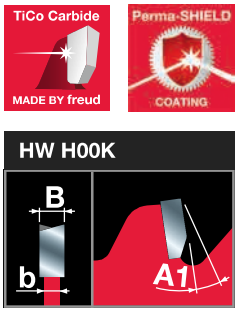
Machines:
Small table saws.

Materials:
Laminated and bilaminated panels, chipboard, MDF and fine-coated or veneered panels.

Technical information:
ATB tooth with negative cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
200	2,5	1,8	30	64	-2°	-	**FR14L001T**	F03FS09803
250	2,8	1,8	30	80	-2°	-	**FR23L001T**	F03FS09804
300	2,8	1,8	30	96	-2°	-	**FR28L001T**	F03FS09805

For cordless small table saws



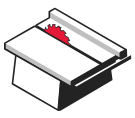
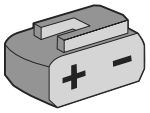


Table saws



Cordless

OPTIMISED FOR CORDLESS POWER TOOLS

Laminated Chipboard | Laminated MDF | Chipboard | MDF

Machines:
Cordless small table saws.

Materials:
Laminated and bilaminated panels, chipboard, MDF and fine-coated or veneered panels.

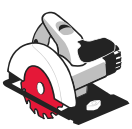
Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless table saws. Thin kerf and ATB tooth with negative cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
210	2,1	1,4	30	66	-5°	-	**FR15L001TC**	F03FS10078
216	2,1	1,4	30	66	-5°	-	**FR16L001TC**	F03FS10079

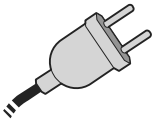
High Pressure Laminate

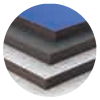
CIRCULAR SAW BLADES FOR HIGH PRESSURE LAMINATE

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Corded

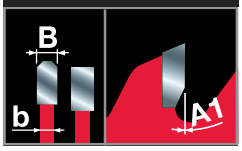

HPL


Solid surface

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW H00K



Machines:
Hand-held and plunge circular saws.

Materials:
High pressure laminate panels, suitable for Trespa© panels.

Technical information:
HLTCG with 0° cutting angle.

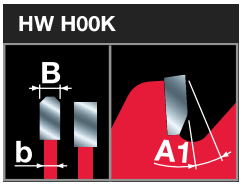
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	42	0°	2/6/32,5	**FR04H001H**	F03FS09864
160	2,2	1,6	20	48	0°	2/6/32,5	**FR06H001H**	F03FS09865
165	2,6	1,6	20	48	0°	2/6/32,5	**FR07H001H**	F03FS09866
190	2,6	1,6	20	56	0°	2/6/32,5	**FR13H001H**	F03FS09867
190	2,6	1,6	30	56	0°	2/7/42	**FR13H002H**	F03FS09868
210	2,8	1,8	30	60	0°	2/7/42	**FR15H001H**	F03FS09869
235	2,8	1,8	30	64	0°	2/7/42	**FR20H001H**	F03FS09871

For mitre saws

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW H00K

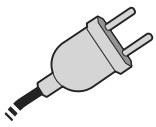


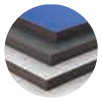
Machines:
Mitre saws.

Materials:
High pressure laminate panels, suitable for Trespa© panels.

Technical information:
HLTCG with negative cutting angle.


Mitre saws


Corded


HPL


Solid surface

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
216	2,8	1,8	30	64	-3°	2/7/42	**FR16H001M**	F03FS09872
250	2,8	1,8	30	80	-3°	FT121	**FR23H001M**	F03FS09873
254	2,8	1,8	30	80	-3°	FT121	**FR24H001M**	F03FS09874
305	3,2	2,2	30	96	-3°	FT121	**FR29H001M**	F03FS09876

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

CIRCULAR SAW BLADES FOR HIGH PRESSURE LAMINATE

For small table saws

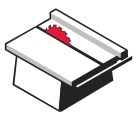
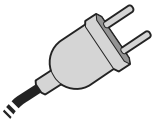


Table saws

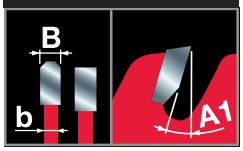


Corded

HPL

Solid surface

HW H00K



Machines:
Small table saws.

Materials:
High pressure laminate panels, suitable for Trespa© panels.

Technical information:
HLTCG with positive cutting angle.

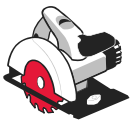
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
250	2,8	1,8	30	80	10°	FT121	**FR23H001T**	F03FS09877
300	3,2	2,2	30	96	10°	FT121	**FR28H001T**	F03FS09878

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

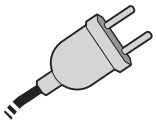
Aluminium

CIRCULAR SAW BLADES FOR ALUMINIUM

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Corded

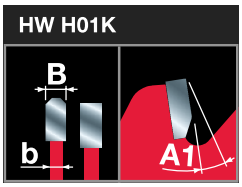

Aluminium


Copper and Brass


Plastics

TiCo Carbide MADE BY freud

Perma-SHIELD COATING



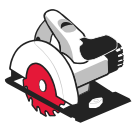
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	42	-5°	2/6/32,5	**FR04A001H**	F03FS09806
150	2,5	1,6	20	42	-5°	2/6/32,5	**FR05A001H**	F03FS09807
160	2,2	1,6	20	52	-5°	2/6/32,5	**FR06A001H**	F03FS09808
165	2,5	1,6	20	52	-5°	2/6/32,5	**FR07A001H**	F03FS09809
165	2,5	1,6	30	52	-5°	2/7/42	**FR07A002H**	F03FS09810
180	2,5	1,6	30	56	-5°	2/7/42	**FR09A001H**	F03FS09811
190	2,5	1,6	20	56	-5°	2/6/32,5	**FR13A001H**	F03FS09814
190	2,5	1,6	30	56	-5°	2/7/42	**FR13A002H**	F03FS09815
200	2,8	1,8	30	60	-5°	2/7/42	**FR14A001H**	F03FS09816
210	2,3	1,8	30	72	-5°	2/7/42	**FR15A001H**	F03FS09817
230	2,8	1,8	30	64	-5°	2/7/42	**FR19A001H**	F03FS09818
235	2,5	1,8	30	80	-5°	2/7/42	**FR20A001H**	F03FS09819

Machines:
Hand-held and plunge circular saws.

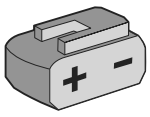
Materials:
Aluminium, other non-ferrous metals and plastics. Also suitable for chipboard and MDF.

Technical information:
HLTCG tooth with negative cutting angle.

For cordless hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Cordless

OPTIMISED FOR CORDLESS POWER TOOLS

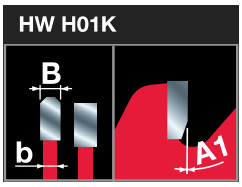

Aluminium


Copper and Brass


Plastics

TiCo Carbide MADE BY freud

Perma-SHIELD COATING



D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
136	1,6	1,0	20	48	0°	-	**FR03A001HC**	F03FS10082
140	1,8	1,3	20	48	-5°	-	**FR04A002HC**	F03FS10083
150	1,8	1,3	20	48	0°	-	**FR05A002HC**	F03FS10084
160	1,8	1,3	20	54	0°	-	**FR06A002HC**	F03FS10085
160	2,2	1,6	20	52	-5°	2/6/32,5	**FR06A001H**	F03FS09808
165	1,8	1,3	20	54	0°	-	**FR07A002HC**	F03FS10086
190	1,8	1,3	30	54	0°	-	**FR13A003HC**	F03FS10088

Machines:
Cordless hand-held and plunge circular saws.

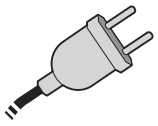
Materials:
Aluminium, other non-ferrous metals and plastics. Also suitable for chipboard and MDF.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless saws.
Thin kerf and HLTCG tooth with 0° or negative cutting angle.

CIRCULAR SAW BLADES FOR ALUMINIUM

For mitre saws


Mitre saws


Corded


Aluminium


Copper and Brass

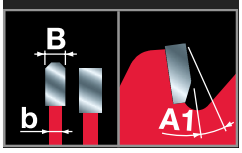

Plastics

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
210	2,5	1,8	30	54	-5°	FT121	**FR15A001M**	F03FS09820
216	2,5	1,8	30	64	-5°	FT121	**FR16A001M**	F03FS09821
250	2,8	2,0	30	80	-5°	FT121	**FR23A001M**	F03FS09822
254	2,8	2,0	30	80	-5°	FT121	**FR24A001M**	F03FS09823
260	2,3	1,8	30	80	-5°	FT121	**FR26A001M**	F03FS09827
300	2,8	2,0	30	96	-5°	FT121	**FR28A001M**	F03FS09828
305	2,8	2,0	30	96	-5°	FT121	**FR29A001M**	F03FS09829
315	2,8	2,2	30	96	-5°	FT121	**FR30A001M**	F03FS09832

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

TiCo Carbide MADE BY freud — Perma-SHIELD COATING

HW H01K



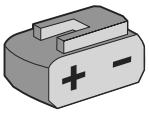
Machines:
Mitre saws.

Materials:
Aluminium, other non-ferrous metals and plastics.
Also suitable for chipboard and MDF.

Technical information:
HLTCG tooth with negative cutting angle.

For cordless mitre saws


Mitre saws


Cordless

OPTIMISED FOR CORDLESS POWER TOOLS


Aluminium

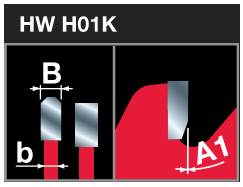

Copper and Brass


Plastics

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
216	2,0	1,4	30	66	0°	-	**FR16A002MC**	F03FS10089
250	2,4	1,8	30	78	0°	-	**FR23A002MC**	F03FS10090
305	2,4	1,8	30	96	0°	-	**FR29A004MC**	F03FS10091

TiCo Carbide MADE BY freud — Perma-SHIELD COATING

HW H01K



Machines:
Cordless mitre saws.

Materials:
Aluminium, other non-ferrous metals and plastics.
Also suitable for chipboard and MDF.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless mitre saws.
Thin kerf and HLTCG tooth with 0° cutting angle.

For small table saws

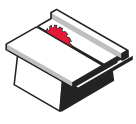
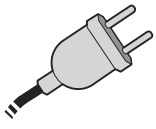


Table saws


Corded


Aluminium


Copper and Brass

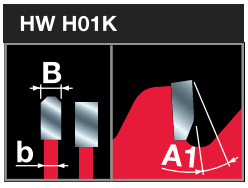

Plastics

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
190	2,6	1,8	Star	58	-5°	-	**FR13A001T**	F03FS09833
225	2,6	1,8	30	68	-5°	FT121	**FR18A001T**	F03FS09834
250	2,8	2,0	30	68	-5°	FT121	**FR23A001T**	F03FS09835

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

TiCo Carbide MADE BY freud — Perma-SHIELD COATING

HW H01K



Machines:
Small table saws.

Materials:
Aluminium, other non-ferrous metals and plastics.
Also suitable for chipboard and MDF.

Technical information:
HLTCG tooth with negative cutting angle.

CIRCULAR SAW BLADES FOR ALUMINIUM

For cordless small table saws

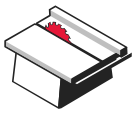
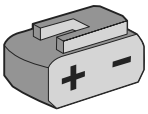


Table saws



Cordless

OPTIMISED FOR CORDLESS POWER TOOLS

Aluminium

Copper and Brass

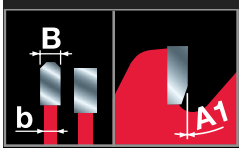
Plastics

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
210	2,0	1,4	30	66	0°	-	**FR15A001TC**	F03FS10092
216	2,0	1,4	30	66	0°	-	**FR16A001TC**	F03FS10093

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW H01K



Machines:
Cordless small table saws.

Materials:
Aluminium, other non-ferrous metals and plastics. Also suitable for chipboard and MDF.

Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless table saws. Thin kerf and HLTCG tooth with 0° cutting angle.

LP88M Saw blades to cut non-ferrous metals

Mitre saws

Aluminium

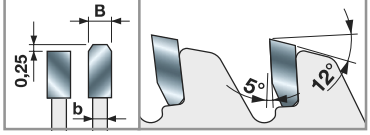
Copper and Brass

D mm	B mm	b mm	d mm	Z	Hook A1	Freud Code	Art. No.
255	2,6	2,0	15,88	100	5°	**LP88M 003P**	F03FS09410
255	2,6	2,0	25,4	100	5°	**LP88M 007P**	F03FS09590
255	2,6	2,0	15,88	120	5°	**LP88M 004P**	F03FS09411
255	2,6	2,0	25,4	120	5°	**LP88M 002P**	F03FS09289
305	2,8	2,2	25,4	100	5°	**LP88M 005P**	F03FS09412
305	2,8	2,2	25,4	120	5°	**LP88M 006P**	F03FS09413

TiCo Carbide MADE BY freud

Silver I.C.E. COATING

HW K10S - HLTCG



Machines:
Mitre saws.

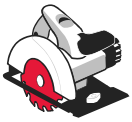
Materials:
Aluminium and non-ferrous metals.

Technical information:
HLTCG with positive cutting angle.

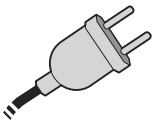
Fibre Cement

CIRCULAR SAW BLADES FOR FIBRE CEMENT

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Corded

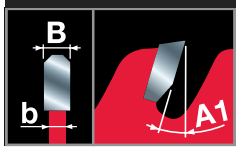

Fibre Cement


Plasterboard

Polycrystalline Diamond TECHNOLOGY

Perma-SHIELD COATING

Polycrystalline Diamond



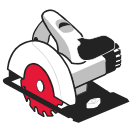
Machines:
Hand-held and plunge circular saws.

Materials:
Fibre cement and plasterboard.

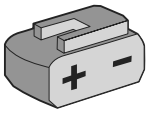
Technical information:
Polycrystalline Diamond teeth for long lifetime in abrasive materials.
TCG tooth with positive cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	4	10°	2/6/32,5	**FR04F001H**	F03FS09836
160	1,8	1,2	20	4	10°	-	**FR06F002HC**	F03FS10095
160	2,2	1,6	20	4	10°	2/6/32,5	**FR06F001H**	F03FS09837
165	2,2	1,6	20	4	10°	2/6/32,5	**FR07F001H**	F03FS09838
184	2,2	1,6	30	4	10°	2/7/42	**FR11F001H**	F03FS09840
190	2,2	1,6	20	4	10°	2/6/32,5	**FR13F001H**	F03FS09841
190	2,2	1,6	30	4	10°	2/7/42	**FR13F002H**	F03FS09842
210	2,2	1,6	30	6	10°	2/7/42	**FR15F001H**	F03FS09843
230	2,2	1,6	30	6	10°	2/7/42	**FR19F001H**	F03FS09844
235	2,2	1,6	30	6	10°	2/7/42	**FR20F001H**	F03FS09845

For cordless hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Cordless

OPTIMISED FOR CORDLESS POWER TOOLS

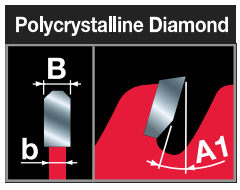

Fibre Cement


Plasterboard

Polycrystalline Diamond TECHNOLOGY

Perma-SHIELD COATING

Polycrystalline Diamond



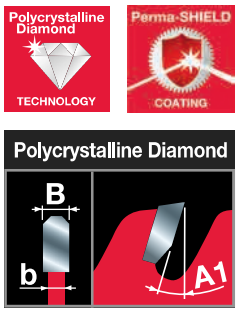
Machines:
Cordless hand-held and plunge circular saws.

Materials:
Fibre cement and plasterboard.

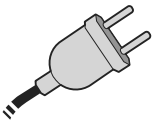
Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless saws.
Thin kerf and TCG tooth with positive cutting angle.
Polycrystalline Diamond teeth for long lifetime in abrasive materials.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
140	1,8	1,3	20	4	10°	2/6/32,5	**FR04F001H**	F03FS09836
160	1,8	1,2	20	4	10°	-	**FR06F002HC**	F03FS10095
160	2,2	1,6	20	4	10°	2/6/32,5	**FR06F001H**	F03FS09837
165	1,8	1,2	20	4	10°	-	**FR07F002HC**	F03FS10096
190	1,8	1,2	30	4	10°	-	**FR13F003HC**	F03FS10097

For mitre saws




Mitre saws


Corded


Fibre Cement


Plasterboard

Machines:
Mitre saws.

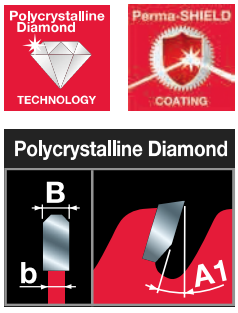
Materials:
Fibre cement and plasterboard.

Technical information:
Polycrystalline Diamond teeth for long lifetime in abrasive materials.
TCG tooth with positive cutting angle.

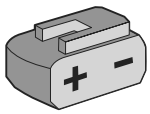
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
216	2,2	1,6	30	6	10°	2/7/42	**FR16F001M**	F03FS09846
250	2,4	1,8	30	6	10°	FT121	**FR23F001M**	F03FS09847
254	2,4	1,8	30	6	10°	FT121	**FR24F001M**	F03FS09848
260	2,4	1,8	30	6	10°	FT121	**FR26F001M**	F03FS09849
300	2,4	1,8	30	8	10°	FT121	**FR28F001M**	F03FS09850
305	2,4	1,8	30	8	10°	FT121	**FR29F001M**	F03FS09851

FT121: 2/7/42 + 2/9/46 + 2/9,5/46,5 + 2/10/60

For cordless mitre saws




Mitre saws


Cordless


Fibre Cement


Plasterboard

Machines:
Cordless mitre saws.

Materials:
Fibre cement and plasterboard.

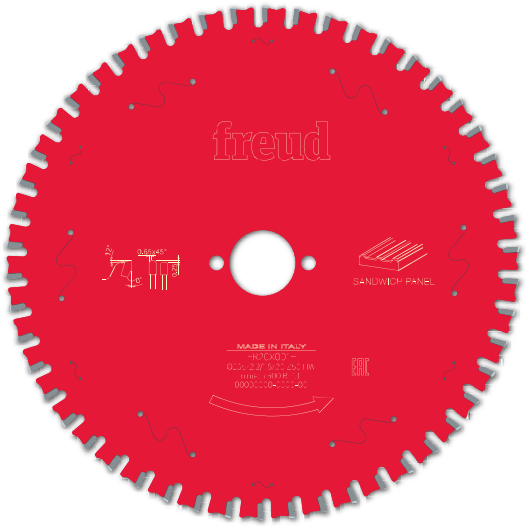
Technical information:
Specifically designed to maximise battery runtime and optimise ease of cut on cordless mitre saws.
Thin kerf and TCG tooth with positive cutting angle.
Polycrystalline Diamond teeth for long lifetime in abrasive materials.

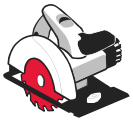
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
216	2,0	1,4	30	6	10°	-	**FR16F002MC**	F03FS10098
250	2,2	1,6	30	6	10°	-	**FR23F002MC**	F03FS10099
305	2,2	1,6	30	8	10°	-	**FR29F002MC**	F03FS10100

Sandwich Panel

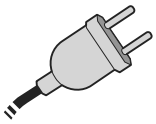
CIRCULAR SAW BLADES FOR SANDWICH PANEL

For hand-held circular saws





Hand-held Circular Saws



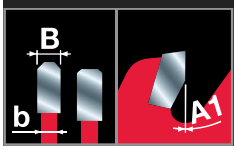
Corded

Sandwich Panel

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW TF30



Machines:
Hand-held circular saws.

Materials:
Sandwich panels with sheet steel layers.

Technical information:
HLTCG with chamfer also on second tooth.
0° cutting angle.

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
160	2,0	1,6	20	30	0°	2/6/32,5	**FR06X001H**	F03FS09852
165	2,0	1,6	20	30	0°	2/6/32,5	**FR07X001H**	F03FS09853
190	2,0	1,6	30	36	0°	2/7/42	**FR13X001H**	F03FS09854
210	2,4	2,0	30	36	0°	2/7/42	**FR15X001H**	F03FS09855
230	2,2	1,8	30	48	0°	2/7/42	**FR19X001H**	F03FS09856
235	2,2	1,8	30	50	0°	2/7/42	**FR20X001H**	F03FS09857
240	2,6	1,6	30	48	0°	2/7/42	**FR22X001H**	F03FS09858
270	2,4	2,0	30	60	0°	2/7/42	**FR27X001H**	F03FS09859
350	2,9	2,5	30	60	0°	2/7/42	**FR32X001H**	F03FS09861
355	2,6	2,2	30	80	0°	2/7/42	**FR33X001H**	F03FS09862

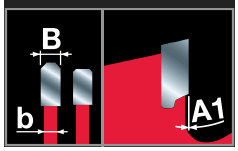
Multi Material

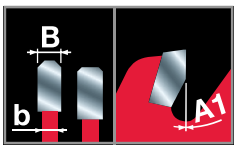
CIRCULAR SAW BLADES FOR MULTI MATERIAL

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW TF30 *



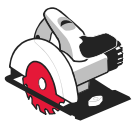


Machines:
Hand-held and plunge circular saws.

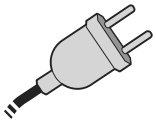
Materials:
Wood based materials, aluminium and other non-ferrous materials, plastics and thin-walled steel profiles.

Technical information:
Suitable to cut a variety of different materials.
HLTCG with chamfer also on second tooth.
0° cutting angle.

For hand-held and plunge circular saws


Hand-held Circular Saws


Plunge Saws


Corded


Plywood


Chipboard


MDF


Aluminium


Copper and Brass


Plastics

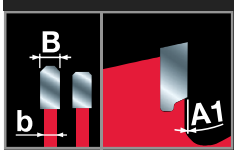

Thin-walled Steel

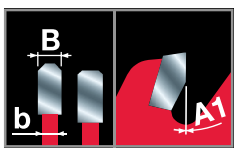
D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
160	2,0	1,6	20	30	0°	-	**FR06M001H ***	F03FS10114
184	2,0	1,6	30	36	0°	-	**FR11M001H ***	F03FS10113
190	2,0	1,6	30	38	0°	-	**FR13M001H ***	F03FS10041
230	2,4	2,0	30	44	0°	-	**FR19M001H**	F03FS10042

TiCo Carbide MADE BY freud

Perma-SHIELD COATING

HW TF30 *





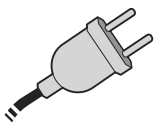
Machines:
Mitre saws.

Materials:
Wood based materials, aluminium and other non-ferrous materials, plastics and thin-walled steel profiles.

Technical information:
Suitable to cut a variety of different materials.
HLTCG with chamfer also on second tooth.
0° cutting angle.

For mitre saws


Mitre Saws


Corded

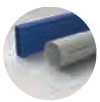

Plywood


Chipboard


MDF


Aluminium


Copper and Brass

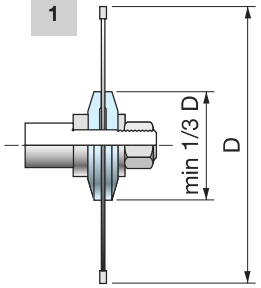

Plastics


Thin-walled Steel

D mm	B mm	b mm	d mm	Z	Hook A1	NL	Freud Code	Art. No.
210	2,0	1,6	30	40	0°	-	**FR15M001M ***	F03FS09886
216	2,0	1,6	30	40	0°	-	**FR16M001M ***	F03FS09887
250	2,4	2,0	30	48	0°	-	**FR23M001M**	F03FS09888
254	2,4	2,0	30	48	0°	-	**FR24M001M**	F03FS09889
300	2,6	2,0	30	80	0°	-	**FR28M001M**	F03FS09890
305	2,6	2,0	30	80	0°	-	**FR29M001M**	F03FS09891

TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

1



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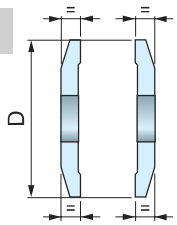

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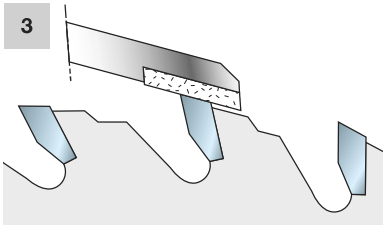

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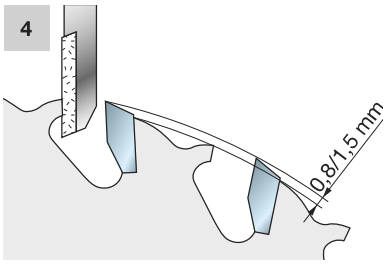

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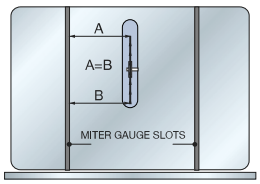

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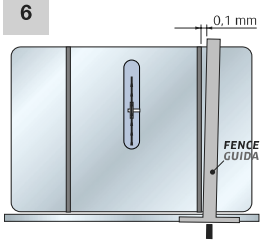

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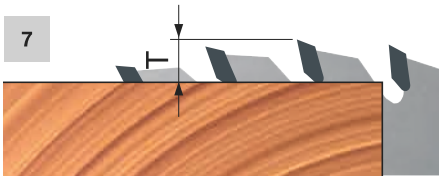

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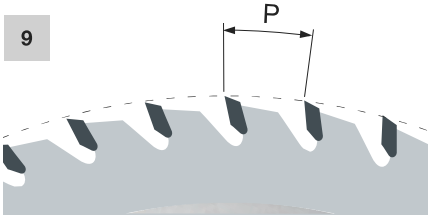


10

To obtain the best performance from a saw blade we suggest following these simple instructions:

- The machine must be in good condition, free from vibrations.
- The flanges used to secure the blade must be of the same diameter, at least 1/3 of the blade diameter (Fig. 1).
- The flanges must be parallel to each other. Also check tolerances on diameters, sides and concentricity, by using a clock gauge (Fig. 2).
- After continuous use, remove the blade and clean it with the appropriate solvents making sure to get rid of built up resin. For the synthetic coated (Perma-SHIELD Coating) blades, it is sufficient to use warm water. In any case, avoid using solvents containing caustic soda.
- The blades must be sharpened as soon as they become dull, maintaining the original tooth angles.
- For sharpening, always use the correct grinding wheels and plenty of cooling liquid.
- Always keep flanges clean.
- When sharpening, the shoulder of the teeth must not be lowered more than needed. This operation must be done with appropriate precision machinery and never by hand. There is the risk of breaking the tip or upsetting the blade balance (Fig. 3 - 4).
- Before starting the cut of the material, make sure the blade is correctly locked according to the machines specifications.

Saw blade alignment on a table saw

- If the saw blade and the saw are not correctly aligned to the table and the fence, then there is the possibility that a serious accident may occur (for example, violent kickbacks) or that the workpiece may scorch or splinter. The first thing you must do is read the instruction sheet carefully. This is necessary to acquire the understanding and comprehension of the corrections suggested in this section.
- Before carrying out the following instuctions, make sure that the starter switch is off and that the machine is not connected to the socket.
- Mounting the saw blade onto the table:
  We advise using precise measuring instruments when mounting a saw blade. Clean the saw blade well, before mounting it onto the machine. Mount the saw blade onto the arbor. Adjust the arbor to its maximum height. With the aid of the most precise measuring instrument available, verify that the saw blade is parallel to the mitre gauge slots (Fig. 5). Adjust as needed. This step is necessary to obtain crosscuts with the maximum in quality finish and for setting up the fence for ripping.
- Positioning the fence for ripping:
  After having positioned the saw blade so as it is parallel to the mitre gauge slots, you may proceed with setting the fence. The fence should ideally be parallel to the saw blade. However since it is impossible to position the guide “exactly” it is necessary to leave a slight margin of clearance on the exit side of the cut so as to avoid the wood becoming wedged in between the fence and the saw blade.
  Adjust the fence so as when it is aligned to the mitre gauge slots, there is a space of 0,1 mm (Fig. 6; for the correct adjustment, consult the machine’s instruction manual).
- The maximum RPM of a circular saw blade varies according to the diameter of the blade itself (table 1). If you exceed this limit, the saw blade will lose its characteristics, therefore influencing the cutting quality and the work life of the blade itself, not to mention the dangers implied to the user who may incur serious injury.
- The saw blade’s projection (T) with respect to the workpiece must be at least equal to the height of the blade’s tooth (Fig. 7). Increase or decrease the projection of the saw blade to improve the quality of the cutting finish.
- The number of teeth cutting the wood simultaneously (Fig. 8) must be between 3 or 4. With less than three teeth cutting, the saw blade begins to vibrate leading to an uneven cut. If you want to cut workpieces with increased thicknesses (S - Fig. 10), but wish to maintain the same diameter saw blade, then use a blade with less teeth. If instead you want to cut workpieces with a reduced thickness, but also maintain the same diameter saw blade, then use a blade with more teeth.
- To obtain the pitch **(P)** of a blade (the distance between teeth: Fig. 9 - see formula **“A”**) multiply the thickness of the workpiece by 1,4142 and divide by 3 (if you want 3 teeth cutting) or by 4 (if you want 4 teeth cutting).
- Formula **“B”**: to obtain the number of teeth **(Z)** of the saw blade, multiply the diameter **(D)** of the saw blade by 3,14 (π) and divide by the pitch of the saw blade - obtained from the previous formula. The shorter formula **“C”** allows you to obtain the number of the saw blade’s teeth, knowing its diameter and the thickness of the workpiece.

Formula A	Formula B	Formula C
$P = \frac{S \times 1{,}4142}{3}$	$Z = \frac{D \times 3{,}14}{P}$	$Z = \frac{D \times 8}{S}$

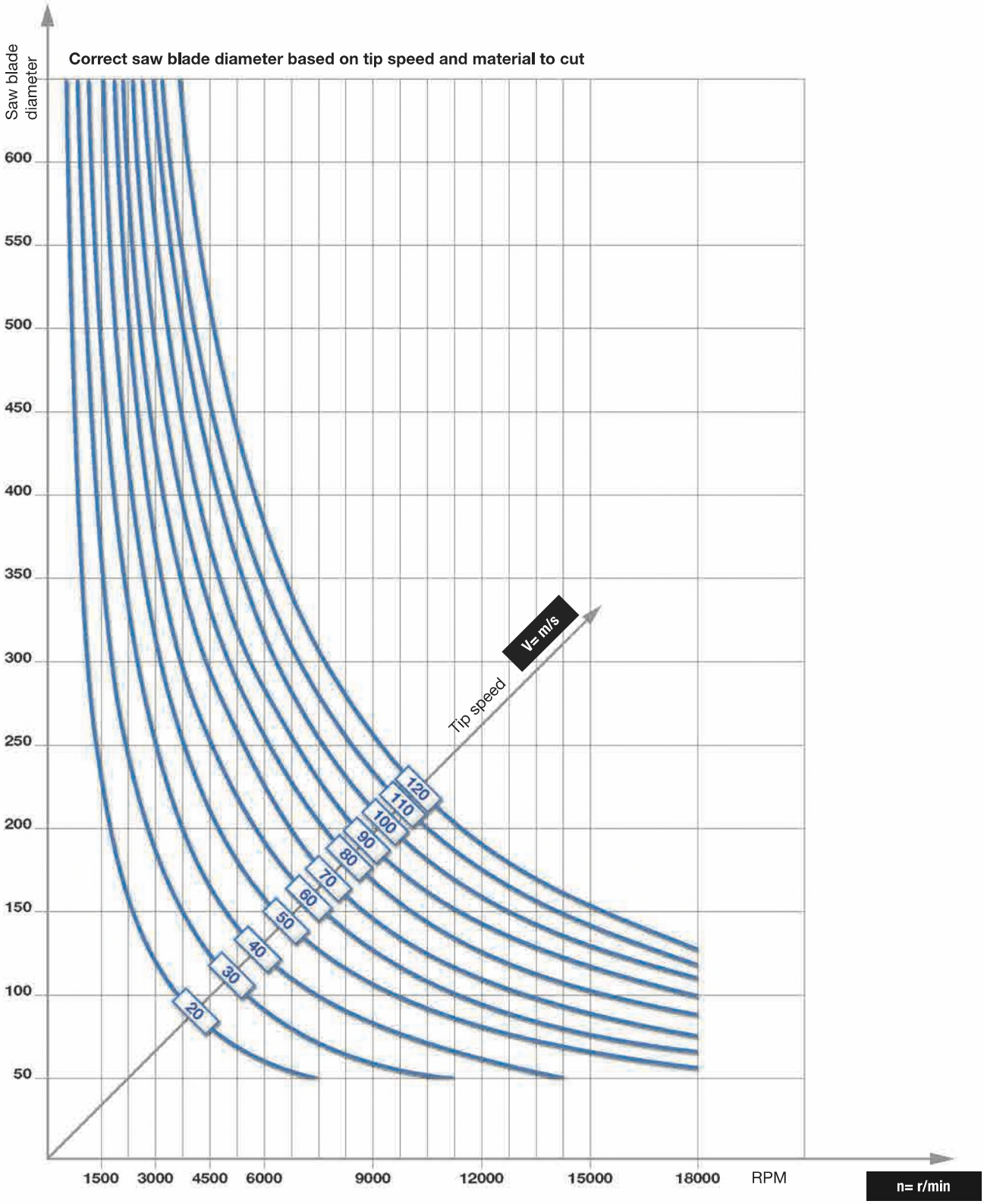
KEY:
P= Pitch
S= Thickness of the workpiece
Z= Number of teeth of the saw blade
D= Diameter of the saw blade

Attention:
These formulas are valid for crosscutting and cutting other wood composites (MDF, plywood, chipboard and laminated panels) and cannot be applied for ripping.

TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

Tip speed (m/s)	Recommended for
50 - 90	Softwood
50 - 80	Hardwood
50 - 85	Exotic wood
60 - 80	Chipboard
60 - 80	Joinery wood
30 - 60	MDF
40 - 60	Laminated and bilaminated

Correct saw blade diameter based on tip speed and material to cut

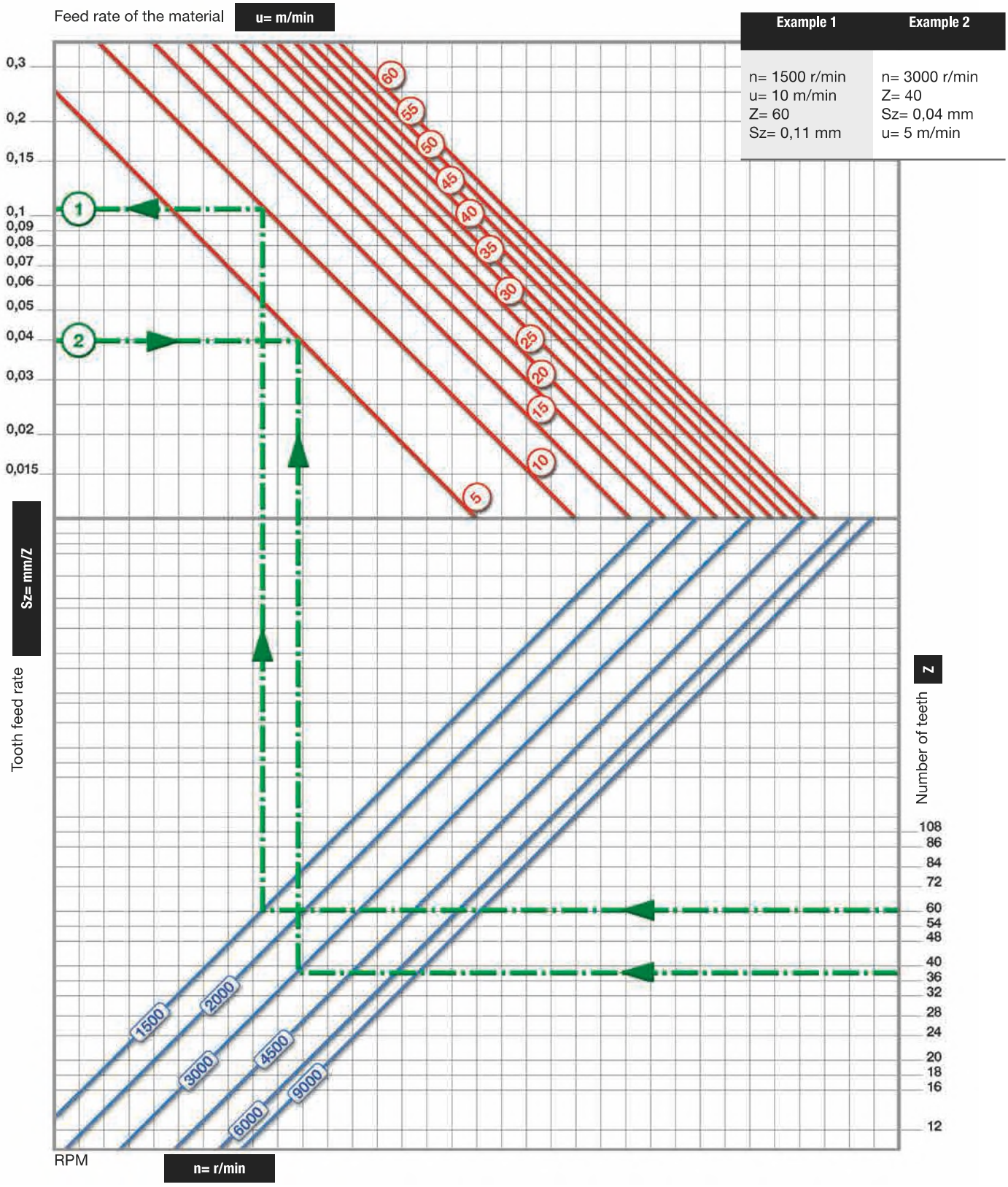


TIPS FOR THE CORRECT USE OF A CIRCULAR SAW BLADE

Correct tooth feed rate, material feedrate, number of teeth and RPM

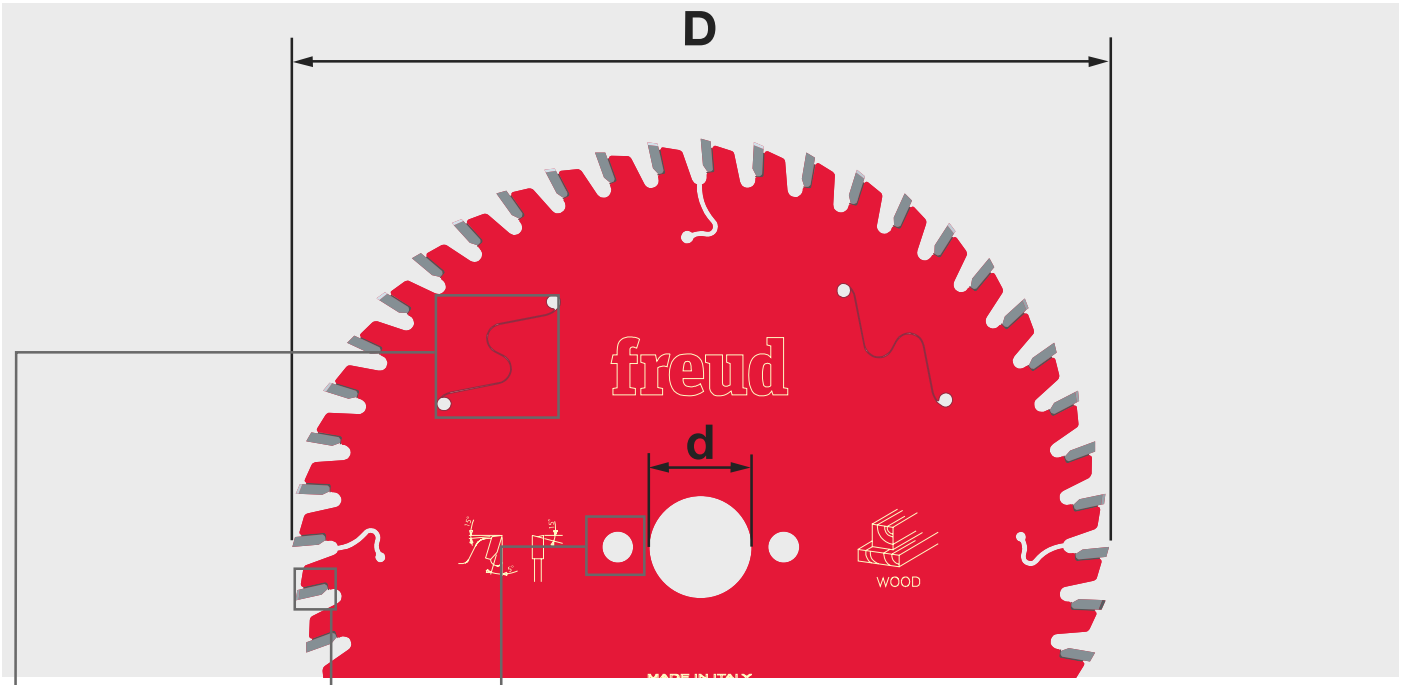
Recommended tooth feed rate (Sz= mm/tooth)	Recommended for
0,20 - 0,30	Softwood with grain
0,10 - 0,20	Softwood cross grain
0,06 - 0,15	Hardwood
0,10 - 0,25	Chipboard

Recommended tooth feed rate (Sz= mm/tooth)	Recommended for
0,05 - 0,12	Plywood
0,05 - 0,10	Laminated board
0,02 - 0,05	Aluminium and plastic laminated chipboard

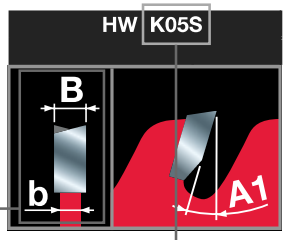


Example 1	Example 2
n= 1500 r/min u= 10 m/min Z= 60 Sz= 0,11 mm	n= 3000 r/min Z= 40 Sz= 0,04 mm u= 5 m/min

EXPLANATION OF SYMBOLS AND ABBREVIATIONS



D mm	B mm	b mm	d mm	Z	NL	Code	SAP
250	3,2	2,2	30	22	FT01	**ABCD 1234**	A00BC01234
250	3,2	2,2	70	22	4CH 21x5	**ABCD 1234**	A00BC01234
300	3,2	2,2	30	26	FT01	**ABCD 1234**	A00BC01234



Tooth features

MICRO-GRAIN CARBIDE (HW) HARDNESS USED FOR MANUFACTURING TIPS