

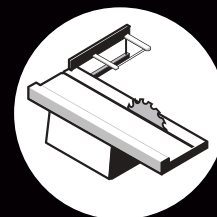
freud

**Precisely
the best**



LU Range
Premium Circular Saw Blades for Squaring Saws

**A COMPLETE RANGE OF CIRCULAR
SAW BLADES FOR SQUARING SAWS**



WOOD



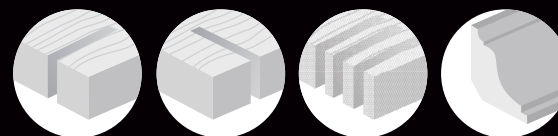
WOOD BASED PANELS



LAMINATED PANELS

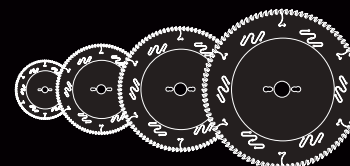


FOR A WIDE RANGE OF APPLICATIONS



AVAILABLE IN A BROAD VARIETY OF DIAMETERS

from 220 mm



to 600 mm

PRODUCT FEATURES

WHY FREUD IS PRECISELY THE BEST FOR SQUARING SAWS



Superior performance
Long lasting TiCo Carbide
in-house manufactured.



**Excellent rust protection
and anti-friction technology**
Silver I.C.E. Coating.



Low noise
Exclusive anti-vibration
slots.



Tensioning ring
to maintain the blade flat,
maximising cutting precision
and performance.



Extreme shock resistance
Freud special Tri-metal Brazing
alloy consists of copper
wrapped between silver layers to
withstand extreme impact.

Laser-cut expansion slots
Enable heat dispersion and
prevent blade deformation.



TiCo Carbide

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



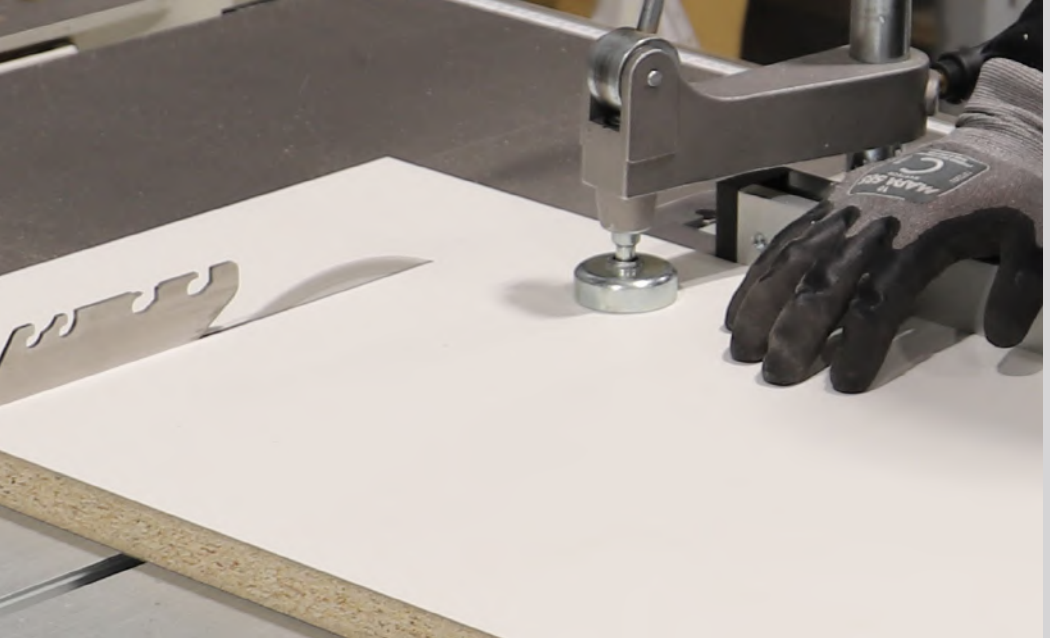
Silver I.C.E. Coating

- 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 slots

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



FLAWLESS FINISH, EVERY TIME

FREUD SQUARING SAW SOLUTIONS FOR JOINERS

Key factors to select Freud LU circular saw blades for your wood applications with squaring saw.

VERSATILE SOLUTION

Perfect for solid wood, wood-based panels, bilaminated MDF and chipboard.

UNMATCHED PERFORMANCE

Delivers precise finish and excellent results.

ENGINEERED EXCELLENCE

Superior cuts achieved leveraging:

- In-House Carbide - Extended durability and edge sharpness.
- Dedicated Tooth Geometries - Optimized for specific materials and applications.
- State-of-the-Art Coating - Enhanced performance and extended blade lifetime.

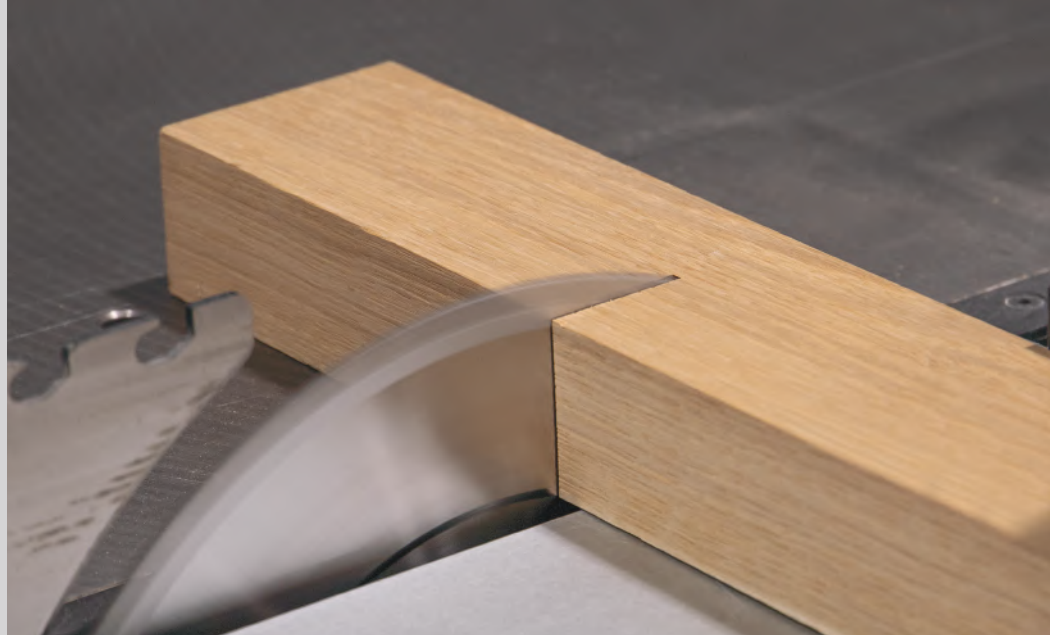
TAILORED FOR YOU

Available in a wide range of diameters, ensuring an exact fit for the specific application.

COMPLETE TOOLKIT

Maximum precision with Freud selection of conical and adjustable scorers.

For a complete overview of Freud solutions, please refer to our General Product Catalogue.



WOOD

LU1C

Saw blades for solid wood ripping



HW H01K - ATB 10° tooth



Technical information:

Saw blades with anti-kickback technology, suitable for ripping softwood and hardwood also with loose knots.

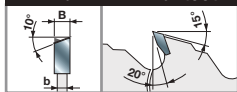
D mm	B mm	b mm	d mm	Z	NL - KN	Freud Code	Art. No.
250	3,2	2,2	30	22	FT01	LU1C 0100	F03FS04590
300	3,2	2,2	30	26	FT01	LU1C 0400	F03FS04595
315	3,2	2,2	30	28	FT01	LU1C 0800	F03FS04601
350	3,5	2,5	30	30	FT02	LU1C 1000	F03FS04603
400	4,0	2,8	30	34	2/10/60	LU1C 1300	F03FS04609
450	4,4	3,0	30	38	2/10/60	LU1C 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

LU1D Saw blades for solid wood ripping



HW H01K - ATB 10° tooth



Technical information:

Saw blades suitable for ripping softwood and hardwood without anti-kickback.

D	B	b	d	Z	NL - KN	Freud Code	Art. No.
mm	mm	mm	mm				
250	3,2	2,2	70	24	4CH 21x5	LU1D 0200	F03FS04617
300	3,2	2,2	30	28	FT01	LU1D 0500	F03FS04620
350	3,5	2,5	30	32	FT02	LU1D 1100	F03FS04628

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



LU1E Thin kerf saw blades for solid wood ripping



HW H01K - Flat tooth



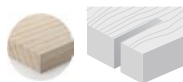
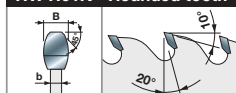
Technical information:

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

D	B	b	d	Z	NL	Freud Code	Art. No.
mm	mm	mm	mm				
250	2,5	1,6	30	24	FT01	LU1E 0100	F03FS04630
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

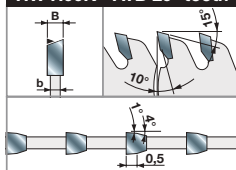


LU1G**Saw blades with rounded teeth sides to cut solid wood****HW H01K - Rounded tooth****Technical information:**

Saw blades suitable for ripping, ideal to achieve a perfectly smooth surface on softwood.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
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

LU1I**Saw blades to cut solid wood frames****HW H00K - ATB 20° tooth****Technical information:**

Saw blades suitable for crosscutting of wooden frames or profiled items.

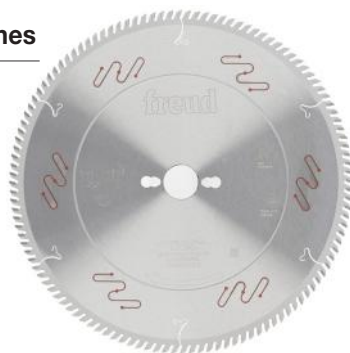
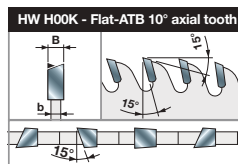
Splintering-free surface and perfect matching of the cut parts guaranteed also if painted, covered by chalk or other delicate and abrasive coatings.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	2,95	2,5	30	96	FT02	LU1I 0400	F03FS04679
300	2,95	2,5	30	96	FT02	LU1I 0600	F03FS04682
330	3,45	3,0	30	96	FT02	LU1I 0800	F03FS04686

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

LU1L

Saw blades with axial angle to cut solid wood frames



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. Suitable for thicker wood pieces and higher feed rates.

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
300	3,0	2,2	30	100	FT01	 LU1L 0500	F03FS04694
350	3,0	2,2	30	120	FT01	 LU1L 0900	F03FS04698

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



WOOD BASED PANELS

LU2A

Saw blades for wood based panels, ripping and crosscutting



HW H01K - ATB 10° tooth



Technical information:

Saw blades suitable for ripping and crosscutting.

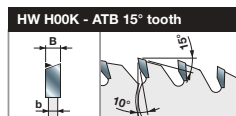
Lower number of teeth for higher thicknesses.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,2	2,2	30	40	FT01	 LU2A 1700	F03FS04830
300	3,2	2,2	30	48	FT01	 LU2A 2100	F03FS04840
315	3,2	2,2	30	48	FT01	 LU2A 2400	F03FS04844
350	3,5	2,5	30	54	FT02	 LU2A 2800	F03FS04849
400	4,0	2,8	30	60	2/10/60	 LU2A 3300	F03FS04856
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

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 and crosscutting

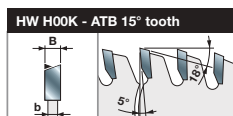


Technical information:

Saw blades suitable for ripping and crosscutting with medium number of teeth.

D mm	B mm	b mm	d mm	Z	NL		Freud Code	Art. No.
250	3,2	2,2	30	48	FT01		LU2B 0500	F03FS04877
250	3,2	2,2	30	60	FT01		LU2B 0700	F03FS04880
300	3,2	2,2	30	60	FT01		LU2B 0900	F03FS04884
300	3,2	2,2	30	72	FT01		LU2B 1100	F03FS04887
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
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

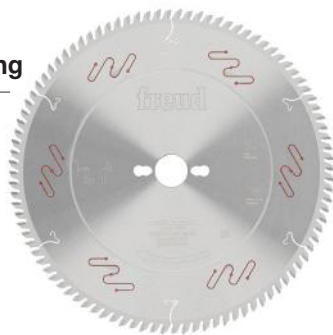
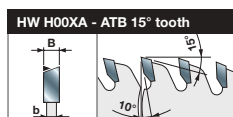
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

LU2C**Saw blades for wood based panels and crosscutting****Technical information:**

Saw blades with higher number of teeth, perfect for crosscutting.
Suitable also to cut thermoplastic-wood composites.

D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	FT01	LU2C 1200	F03FS04922
300	3,2	2,2	30	96	FT01	LU2C 1500	F03FS04927
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

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

**LU2E****Saw blades to cut exotic abrasive wood and panels****Technical information:**

Good finishing in softwood and hardwood crosscutting, in particular exotic abrasive wood.
Suitable also for chipboard (up to 50 mm thickness) and single-side laminated MDF (up to 30 mm thickness).

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

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

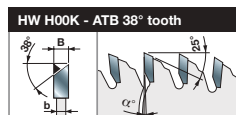




LAMINATED PANELS

LU3A

Saw blades to cut bilaminated panels



Technical information:

To size chipboard and MDF bilaminated panels. The ATB 38° tooth geometry grants extremely accurate finishing on both sides.

Also suitable for vertical panel sizing machines.

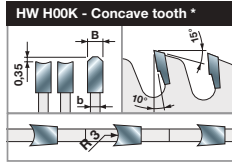
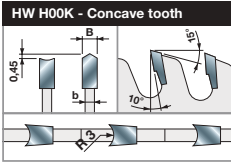
No scoring saw blade needed.

D	B	b	d	Z	α	NL	Freud Code	Art. No.
mm	mm	mm	mm					
250	3,2	2,2	30	80	-2°	FT01	 LU3A 0200	F03FS05061
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

LU3B

Saw blades to cut bilaminated panels



Technical information:

Circular saw blades to size chipboard and MDF bilaminated panels with good finishing and long cutting life.

Also suitable for vertical panel sizing machines.

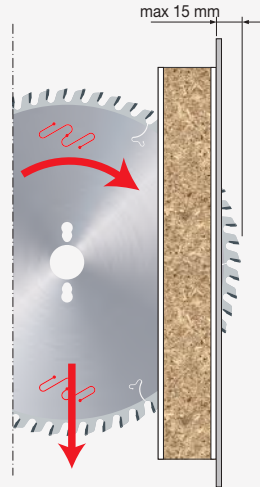
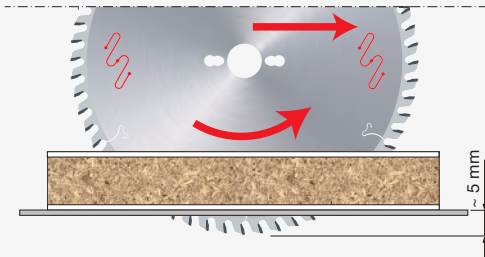
No scoring saw blade needed.

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
303	3,2	2,2	30	60	FT01	LU3B 1300 *	F03FS06478

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

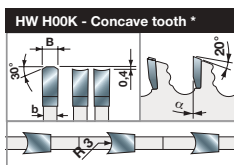
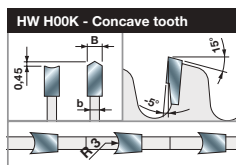
Working with spindle over the working plane

With positive hook angle, the blade cuts through the material with ease and delivers an extremely clean cut thanks to the concave front of the teeth.



LU3C

Saw blades to cut bilaminated panels



Technical information:

Concave tooth to size chipboard and MDF bilaminated panels with good finishing and long cutting life.

Also suitable for vertical panel sizing machines.

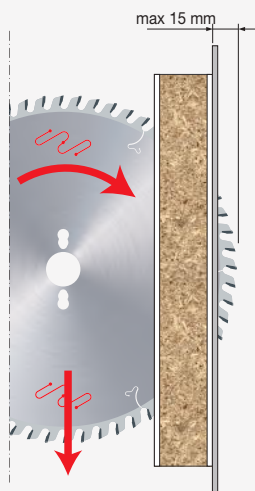
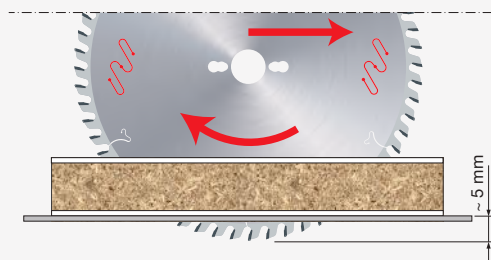
No scoring saw blade needed.

D	B	b	d	Z	α	NL	Freud Code	Art. No.
mm	mm	mm	mm					
250	3,2	2,2	30	48		FT01	LU3C 0200	F03FS05077
303	3,2	2,2	30	60		FT01	LU3C 0300	F03FS05078
303	3,4	2,4	30	66	0°	FT01	LU3C 0302 *	F03FS09038

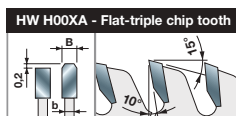
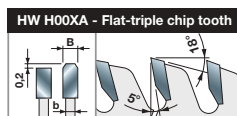
FT01: 2/7/42 + 2/9/46,4 + 2/10/60 - **FT02:** 2/9/46,4 + 2/10/60

Working with spindle over the working plane

With negative hook angle, the quality of cut is extremely accurate on both sides of the panel.



LU3D Saw blades to cut bilaminated panels



Technical information:

Flat-triple chip tooth design to size chipboard and MDF bilaminated panels with good finishing and extremely long lasting cutting life.

Hook angle 5° for cutting height up to 30 mm.

Hook angle 10° for cutting height up to 40 mm.

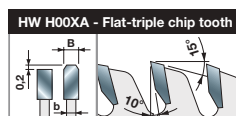
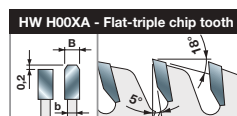
Scoring saw blade needed: LI16 or LI25 depending on the machine.



D mm	B mm	b mm	d mm	Z	α	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	5°	FT01	LU3D 0400	F03FS05088
300	3,2	2,2	30	96	5°	FT01	LU3D 0600	F03FS05093
350	3,5	2,5	30	108	5°	FT02	LU3D 0900	F03FS05098
300	3,2	2,2	30	72	10°	FT01	LU3D 2100	F03FS05810
300	3,2	2,2	30	96	10°	FT01	LU3D 1500	F03FS05104

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

LG3D Saw blades to cut bilaminated panels



Technical information:

Alternative solution to LU3D blade for chipboard and MDF bilaminated panel sizing.

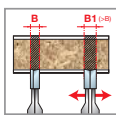
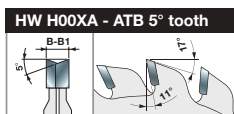
D mm	B mm	b mm	d mm	Z	α	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	5°	FT01	LG3D 0400	F03FS07438
300	3,2	2,2	30	96	5°	FT01	LG3D 0600	F03FS07436
350	3,5	2,5	30	108	5°	FT02	LG3D 0900	F03FS07437
300	3,2	2,2	30	72	10°	FT01	LG3D 2100	F03FS07574

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



LI16M

Adjustable scoring saw blades



B= Minimum kerf of the scoring saw blade.

B1= Maximum kerf of the scoring saw blade.



Technical information:

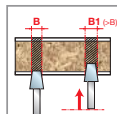
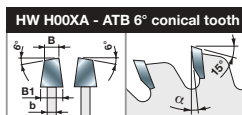
Saw blade to score the coating on bilaminated panels.

D mm	B-B1 mm	d mm	Z	NL	Freud Code	Art. No.
100	2,8 - 3,6	20	12 + 12	Schelling - Panhans - Martin	LI16M BA3	F03FS02491
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
125	2,8 - 3,6	20	12 + 12	Paoloni	LI16M FA3	F03FS02500

* Thickness adjustment controlled by the machines, no spacers required.

LI25M

Conical scoring saw blades



B= Minimum kerf of the scoring saw blade.

B1= Maximum kerf of the scoring saw blade.



Technical information:

Saw blade to score the coating on bilaminated panels.

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

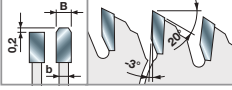
D mm	B-B1 mm	b mm	d mm	Z	NL	Freud Code	Art. No.
100	3,1 - 4,3	2,2	20	24	Schelling	LI25M31BA3	F03FS02610
120	2,8 - 4,0	2,2	20	24	Schelling	LI25M28EA3	F03FS02604
120	3,1 - 4,3	2,2	20	24		LI25M31EA3	F03FS02620
120	3,1 - 4,3	2,2	22	24		LI25M31EB3	F03FS02622
120	3,1 - 4,3	2,5	20	24		LI25M31EC3	F03FS05978
125	3,1 - 4,3	2,2	20	24	Panhans - Schelling	LI25M31FA3	F03FS02623
150	3,4 - 4,6	2,2	30	36	SCM	LI25M34KC3	F03FS02639

LU3F

Saw blades to cut bilaminated panels and plastic materials



HW H00XF - Flat-triple chip tooth



Technical information:

Circular saw blades suitable to work melamine-coated chipboard, MDF, HPL panels and plastic materials.

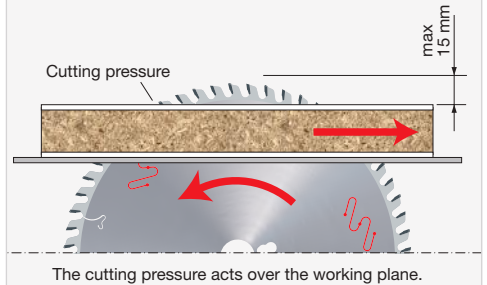
The H00XF Carbide grants extremely long blade lifetime.

No scoring saw blade needed.

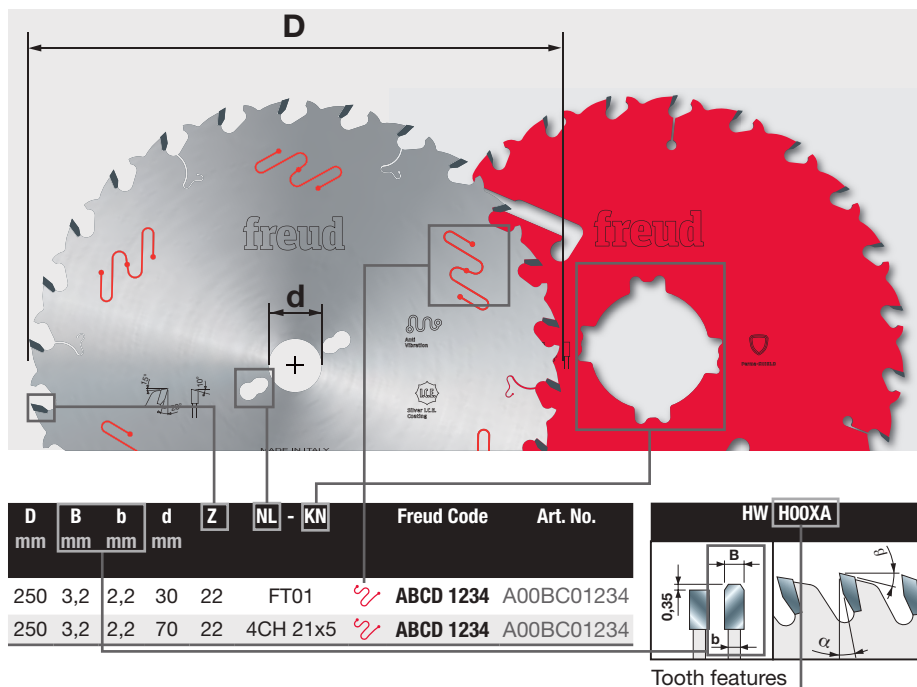
D mm	B mm	b mm	d mm	Z	NL	Freud Code	Art. No.
250	3,2	2,2	30	80	FT01	LU3F 0200	F03FS05119
300	3,2	2,2	30	96	FT01	LU3F 0300	F03FS05121
350	3,5	2,5	30	108	FT02	LU3F 0400	F03FS05124

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

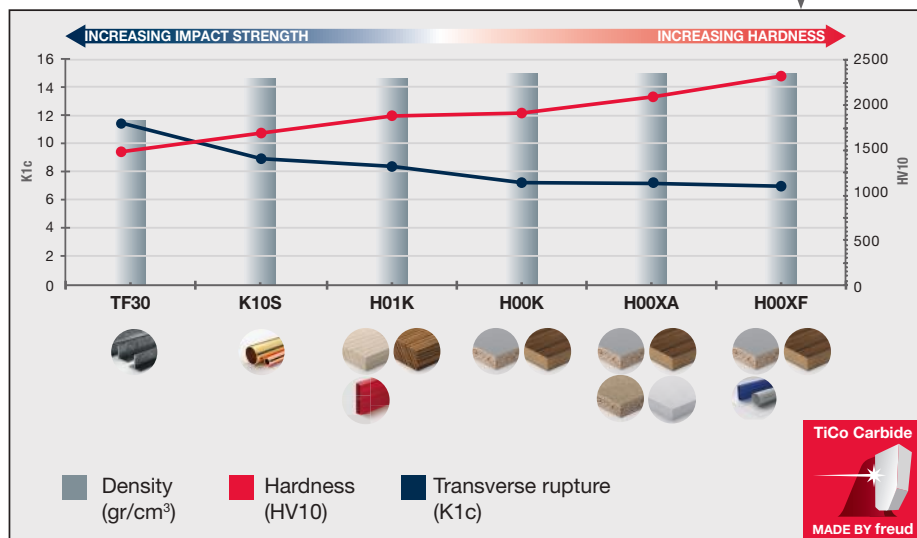
Working with spindle under the working plane



EXPLANATION OF SYMBOLS AND ABBREVIATIONS



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



Precisely the best





Freud - Leading the industrial market since 1962

Freud is a worldwide leader in the cutting tool industry and the biggest manufacturer of premium circular saw blades. Since 1962 Freud designs and produces an extensive range of superior quality circular saw blades, cutter heads & brazed cutters, drilling, routing & CNC tools as well as knives and accessories.

Freud technologies and solutions Perfection crafted for your needs

Freud premium quality cutting tools are produced with unique and innovative features. The company owns and controls the entire tool manufacturing process, with a full and strict monitoring over quality, across its plants in Italy. The continuous investment in Research & Development, combined with Freud strong engineering competence and advanced technologies, results in products with innovative features, extreme precision and extended lifetime. Always the right solution for your application needs.



Technological supremacy In-house Carbide production

Leader in Carbide manufacturing since 1980: Freud prides itself of a unique in the world in-house production and sintering of Carbide components, for superior quality cutting tools. Freud TiCo, a specially formulated, highly compact combination of Titanium and Cobalt Carbide, ensures maximum precision and long lasting sharpness of the cutting edge. The ability to formulate dedicated recipes, for standard and customised applications, delivers the highest tool performance.

Global distribution Worldwide services wherever you are

Freud's belief in "think global and act local" has led the company to develop an extensive network of selected partners and subsidiaries, in over 90 countries worldwide. This to better support their customers wherever they are.



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