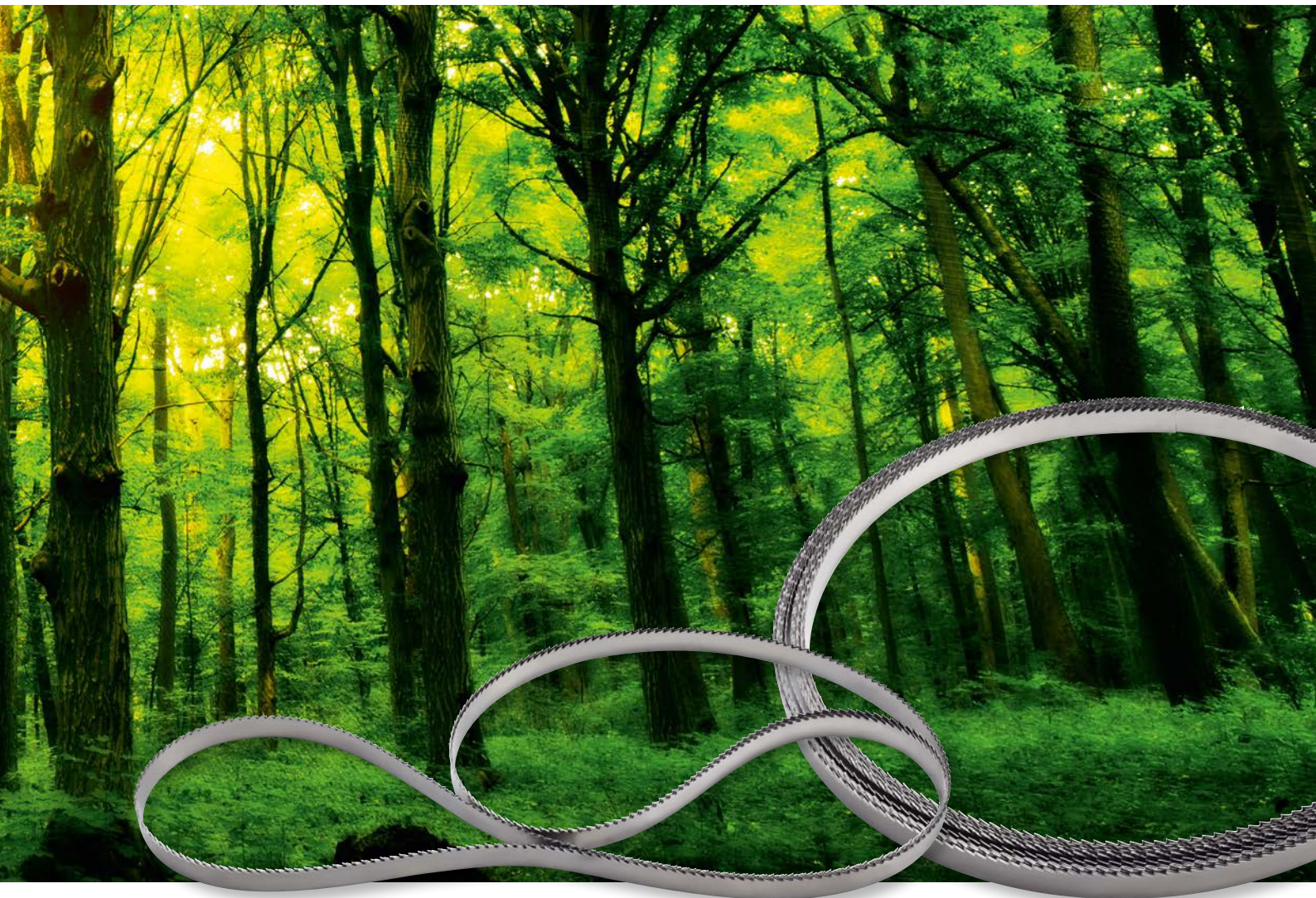




Intelligent success is sustainable success. And clearly a matter for forward thinkers.

Behind the fascination of every moment that nature offers us with its complex beauty there is always a concept for tomorrow. We at WINTERSTEIGER have learned a lesson from this. All our developments are characterized by a holistic forward-looking approach which is well thought through and completely sustainable. The WINTERSTEIGER saw blades are a good example of this.

Our saws – designed and optimized for specific applications – guarantee the best results with maximum quality and cost-effectiveness. Customer satisfaction is at the principle of our quality policy. Quality consciousness is therefore an integral part of corporate governance and characterizes all business areas of WINTERSTEIGER.



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Our broad product portfolio.

Band saw blades for all fields of application.

The WINTERSTEIGER saw blades are optimized for specific applications and the material to be cut, offering our customers best results with maximum quality and cost effectiveness. From selection of the raw material to planning, execution and inspection of production to dispatch of the finished product, our highly-qualified and responsible employees take great care to ensure the best possible quality at the highest levels on an ongoing basis.

Customer satisfaction is at the core of our quality policy. Quality consciousness is therefore an integral part of corporate governance and characterizes all business areas.



■ Joiner saws

For all types of cutting in the narrow range of 6 to 50 mm



■ Saws for mobile sawmills

For longitudinal cutting in the narrow mobile range of 27 to 55 mm



■ Resaw and log band saw blades

For use in the wide mobile range and in the sawmill from 32 to 150 mm



■ Food saws meat, fish, vegetables

For use in the food industry, such as the trenching of fresh meat with bones, frozen meat, fish and vegetables from 16 to 25 mm

Qualities and types.

Carbide ¹

Characteristic of the carbides are very high hardness, wear resistance, and especially the high hot hardness. Carbide band-saw blades are suited for extremely hard woods, tropical woods, and wood grown in very sandy soil.

- Band saw blade dimensions available upon request

Stellite® ²

Stellite® is an alloy of cobalt, chrome and tungsten. Stellite-tipped saws are particularly well-suited for processing all softwoods and hardwoods and offer substantially longer service life than bare saws.

Upset-forged ³

Upset-forged band saw blades have harder tooth tips as a result of the forging process. This gives such blades a longer service life than band saw blades with teeth that have been set.

X-Cut ⁴

- Tooth tips hardened to 60 – 62 HRC, offset in pairs, sharpened
- Every third tooth tipped with Stellite®
- No need to reset the teeth

A combination of teeth with hardened and Stellite® tips ensures minimal cutting pressure and thus maximum performance.

Flex-Back ⁵

- Saw blade with hardened tooth tips and flexible blade back
- Toothed, set and ground
- Tooth tips hardened to 60 – 62 HRC and blade back flattened, structure tempered to 38 HRC

The hardness of tooth tips ensures long service life even for hard raw materials; the flexibility and special tooth shape counteract bending and thus the risk of fracture.

Hardened tooth tips ⁶

- Toothed, set and ground
- Tooth tips hardened to 60 – 62 HRC and blade back flattened

Ready to saw ⁷

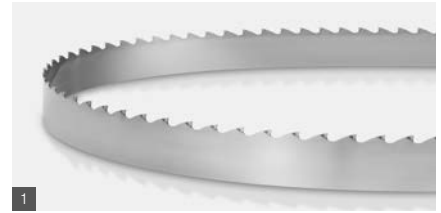
- Toothed, set and ground

Toothed / set ⁷

- Semi-finished products for further processing

Toothed ⁷

- Semi-finished products for further processing



X-Cut

X-Cut

Bandsaw blades for mobile band saws in blade widths from 27 to 55 mm.

WINTERSTEIGER is known for process solutions for quality thin-cutting. The expertise and experience from many years of application engineering in the area of band saw machines and equipment (band saw blades) forms the foundation for the continued development of band saw blades. The band saw blades are developed and manufactured in our own production facility and are offered in various qualities and types.

Customer needs led to the development of the X-Cut. WINTERSTEIGER closed a gap in its product range with this band saw blade: In terms of quality, the X-Cut lies between the Flex Back and Stellite® band saw blades, and impresses with an excellent price-to-performance ratio.

Your benefits summed up:

- Outstanding price-to-performance ratio
- High cutting performance and precision cut surface.
- Efficient saw reconditioning with no need to reset the teeth
- Optimal for softwoods and hardwoods





Joiner saws.

For all types of cutting in the narrow range of 6 to 50 mm.



Types.

Classic			Premium	
Toothed	Toothed / set	Ready to saw	Hardened tooth tips	Flex-Back
1	2	3	4	5
				



Classic

The saw blade for all applications:

- Softwoods, hardwoods
- German high-grade stainless steel
- Excellent price/performance ratio

Premium

The saw blade for high demands:

- Softwoods, hardwoods and some tropical hardwoods
- Reliable even for tougher wood types
- German high-grade stainless steel with rounded edge on back side and polished surface



Tooth shapes.



Saws available starting at **100 m coils** or **3 units endless/ dimension.**

Sales program standard.



Coil in running meters



Continuous saw blade in finished length

Blade width [mm]	Blade thickness [mm]	Blade width [inch]	Blade thickness [inch]	Classic	Premium
				Ready to saw (NV)	Flex-Back (WM)
				Pitches [mm]	Pitches [TPI]
6	0.36	¼	0.013	-	6, 14
6	0.50	¼	0.019	-	6
6	0.60	¼	0.023	-	4, 6, 14
8	0.65	5/16	0.025	-	4, 6
10	0.36	3/8	0.013	-	4, 6
10	0.40	3/8	0.015	4, 6	4, 6
10	0.50	3/8	0.019	6	4, 6
10	0.60	3/8	0.023	6	4, 6
10	0.70	3/8	0.027	6	4
12	0.50	½	0.019	6	4
12	0.60	½	0.023	6	4
12	0.70	½	0.027	6	4
16	0.40	5/8	0.015	5	-
16	0.50	5/8	0.019	6	4
16	0.60	5/8	0.023	7	3
16	0.65	5/8	0.025	-	3
16	0.70	5/8	0.027	6, 7, 8	3, 4
16	0.80	5/8	0.032	-	2
20	0.40	¾	0.015	6	4
20	0.50	¾	0.019	6	3, 4
20	0.60	¾	0.023	6, 7, 8	3, 4
20	0.65	¾	0.025	-	3, 4
20	0.70	¾	0.027	6, 7, 8	3, 4
25	0.40	1	0.015	-	4
25	0.50	1	0.019	8	3, 4
25	0.60	1	0.023	8, 9	3
25	0.65	1	0.025	-	2, 3, 4
25	0.70	1	0.027	8, 9	3
25	0.80	1	0.032	8, 9	2, 3
25	0.90	1	0.035	-	2, 3
30	0.60	1 3/16	0.023	8, 9	3
30	0.70	1 3/16	0.027	8, 9	3
30	0.80	1 3/16	0.032	8, 9	3
30	0.90	1 3/16	0.035	-	3

Details provided without guarantee.

Production program.

Saws available starting at **500 m coils** or **100 units endless/ dimension.**

Blade width [mm]	Blade thickness [mm]	Blade width [inch]	Blade thickness [inch]	Classic		Premium	
				Toothed (NV) Toothed / set (NV)	Ready to saw (NV)	Hardened tooth tips (WM)	Flex-Back (WM)
				Pitches [mm]	Pitches [mm]	Pitches [TPI]	Pitches [TPI]
6	0.36	1/4	0.013	-	-	-	6*, 14*
6	0.50	1/4	0.019	-	-	-	6*
6	0.60	1/4	0.023	-	-	-	4*, 6*, 14*
8	0.65	5/16	0.025	-	-	-	4*, 6*
10	0.36	3/8	0.013	4, 6	4, 6	4, 6	4*, 6*
10	0.40	3/8	0.015	4, 6	4*, 6*	4, 6	4*, 6*
10	0.50	3/8	0.019	4, 6, 8	4, 6*, 8	3, 4, 6	3, 4, 6*
10	0.60	3/8	0.023	4, 6, 8, 9, 10, 12	4, 6*, 8, 9, 10, 12	2, 3, 4, 6	2, 3, 4*, 6*
10	0.70	3/8	0.027	4, 6, 8, 9, 10, 12	4, 6*, 8, 9, 10, 12	2, 3, 4	2, 3, 4*
12	0.50	1/2	0.019	4, 6, 8	4, 6*, 8	3, 4	3, 4*
12	0.60	1/2	0.023	4, 6, 8, 9, 10, 12	4, 6*, 8, 9, 10, 12	2, 3, 4	2, 3, 4*
12	0.70	1/2	0.027	4, 6, 8, 9, 10, 12	4, 6*, 8, 9, 10, 12	2, 3, 4	2, 3, 4*
16	0.40	5/8	0.015	4, 5, 6	4, 5*, 6	4	4
16	0.50	5/8	0.019	4, 6, 8	4, 6*, 8	3, 4	3, 4*
16	0.60	5/8	0.023	4, 6, 7, 8	4, 6, 7*, 8	3, 4	3*, 4
16	0.65	5/8	0.025	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2, 3*, 4
16	0.70	5/8	0.027	6, 7, 8, 9, 10, 12	6*, 7*, 8*, 9, 10, 12	2, 3, 4	2, 3*, 4*
16	0.80	5/8	0.032	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2*, 3, 4
20	0.40	3/4	0.015	4, 6	4, 6*	4	4*
20	0.50	3/4	0.019	4, 6, 8	4, 6*, 8	3, 4	3*, 4*
20	0.60	3/4	0.023	6, 7, 8, 9, 10, 12	6*, 7*, 8*, 9, 10, 12	2, 3, 4	2, 3*, 4*
20	0.65	3/4	0.025	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2, 3*, 4*
20	0.70	3/4	0.027	6, 7, 8, 9, 10, 12	6*, 7*, 8*, 9, 10, 12	2, 3, 4	2, 3*, 4*
25	0.40	1	0.015	4, 6	4, 6	4	4*
25	0.50	1	0.019	4, 6, 8	4, 6, 8*	3, 4	3*, 4
25	0.60	1	0.023	4, 6, 8, 9, 10, 12	4, 6, 8*, 9*, 10, 12	2, 3, 4	2, 3*, 4
25	0.65	1	0.025	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2*, 3*, 4*
25	0.70	1	0.027	6, 8, 9, 10, 12	6, 8*, 9*, 10, 12	2, 3, 4	2, 3*, 4
25	0.80	1	0.032	6, 8, 9, 10, 12, 14	6, 8*, 9*, 10, 12, 14	2, 3, 4	2*, 3*, 4
25	0.90	1	0.035	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2*, 3, 4
30	0.60	1 3/16	0.023	4, 6, 8, 9, 10, 12	4, 6, 8*, 9*, 10, 12	2, 3, 4	2, 3*, 4
30	0.70	1 3/16	0.027	6, 8, 9, 10, 12	6, 8*, 9*, 10, 12	2, 3, 4	2, 3*, 4
30	0.80	1 3/16	0.032	6, 8, 9, 10, 12, 14	6, 8*, 9*, 10, 12, 14	2, 3, 4	2, 3*, 4
30	0.90	1 3/16	0.035	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2, 3*, 4
35	0.60	1 3/8	0.023	4, 6, 8, 9, 10, 12	4, 6, 8, 9, 10, 12	2, 3, 4	2, 3, 4
35	0.70	1 3/8	0.027	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2, 3, 4
35	0.80	1 3/8	0.032	6, 8, 9, 10, 12, 14	6, 8, 9, 10, 12, 14	2, 3, 4	2, 3, 4
35	0.90	1 3/8	0.035	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2, 3, 4
35	1.00	1 3/8	0.039	12, 14	12, 14	2	2
40	0.70	1 5/8	0.027	6, 8, 9, 10, 12	6, 8, 9, 10, 12	2, 3, 4	2, 3, 4
40	0.80	1 5/8	0.032	6, 8, 9, 10, 12, 14	6, 8, 9, 10, 12, 14	2, 3, 4	2, 3, 4
40	0.90	1 5/8	0.035	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2, 3, 4
40	1.00	1 5/8	0.039	12, 14	12, 14	2	2
45	0.80	1 3/4	0.032	6, 8, 9, 10, 12, 14	6, 8, 9, 10, 12, 14	2, 3, 4	2, 3, 4
45	0.90	1 3/4	0.035	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2, 3, 4
50	0.80	2	0.032	6, 9, 10, 12, 14	6, 9, 10, 12, 14	2, 3, 4	2, 3, 4
50	0.90	2	0.035	12, 14	12, 14	2	2

Details provided without guarantee. * Pitch in the standard program available already as of 100 m coils and 3 units/dimension endless.

Saws for mobile sawmills.

For longitudinal cutting in the narrow mobile range of 27 to 55 mm.



Types.

Classic		Premium			
Toothed	Ready to saw	Hardened tooth tips	Flex-Back	X-Cut	Stellite [®] -tipped
1	2	3	4	5	6



Classic

The saw blade for all applications:

- Softwoods, hardwoods
- German high-grade stainless steel
- Excellent price/performance ratio

Premium

The saw blade for high demands:

- Softwoods, hardwoods and some tropical hardwoods
- Reliable even for tougher wood types
- German high-grade stainless steel with rounded edge on back side and polished surface



Tooth shape.



Saws available starting at **100 m coils** or **3 units endless/dimension.**

Sales program standard.



Coil in running meters



Continuous saw blade in finished length

Blade width [mm]	Blade thickness [mm]	Blade width [inch]	Blade thickness [inch]	Pitch* [mm]	Classic		Premium			
					Toothed	Ready to saw	Hardened tooth tips	Flex-Back	X-Cut	Stellite [®] -tipped
27	0.90	1 1/6	0.035	22	■	■	■	■	■	■
32	0.90	1 1/4	0.035	22	■	■	■	■	■	■
32	1.00	1 1/4	0.039	22	■	■	■	■	■	■
32	1.10	1 1/4	0.043	22	■	■	■	■	■	■
35	0.90	1 3/8	0.035	22	■	■	■	■	■	■
35	1.00	1 3/8	0.039	22	■	■	■	■	■	■
35	1.10	1 3/8	0.043	22	■	■	■	■	■	■
35	1.27	1 3/8	0.050	22	■	■	■	■	■	■
38	1.00	1 1/2	0.039	22	■	■	■	■	■	■
38	1.10	1 1/2	0.043	22	■	■	■	■	■	■
38	1.27	1 1/2	0.050	22	■	■	■	■	■	■
40	0.90	1 5/8	0.035	22	■	■	■	■	■	■
40	1.00	1 5/8	0.039	22	■	■	■	■	■	■
40	1.10	1 5/8	0.043	22	■	■	■	■	■	■
40	1.27	1 5/8	0.050	22	■	■	■	■	■	■
50	0.90	2	0.035	22	■	■	■	■	■	■
50	1.00	2	0.039	22	■	■	■	■	■	■
50	1.10	2	0.043	22	■	■	■	■	■	■
55	0.90	2 1/6	0.035	22	■	■	■	■	■	■
55	1.00	2 1/6	0.039	22	■	■	■	■	■	■
55	1.10	2 1/6	0.043	22	■	■	■	■	■	■

Details provided without guarantee. * Pitch of 19, 22.22 and 25 mm upon request

Dimensions for various band saws.

Blade length [mm]	Blade width [mm]	Makers of "mobile" band saws
2760	32	Logosol BS350/320
3570	32	Lennartsfors / Husqvarna / Jonsered
3660	32	Logosol LM40
3660	38	Logosol LM40
3982	38	Pilous Forester CTR 650 S/M/GX
4004	38	Woodmizer LT 10/15/20
4004	38	Woodmizer LT 40
4380	38	Pilous Forester CTR 800 H
4670	38	Woodmizer LT 70
4820	38	Pilous Forester CTR 950 S

Details provided without guarantee.



Resaw and log band saw blades.

For use in the wide mobile range and in the sawmill from 32 to 150 mm.



Types.

Classic			Premium
Toothed	Ready to saw	Upset-forged	Stellite®-tipped
1	2	3	4



Classic

The saw blade for all applications:

- Softwoods, hardwoods
- German high-grade stainless steel
- Excellent price/performance ratio

Premium

The saw blade for high demands:

- Softwoods, hardwoods and some tropical hardwoods
- Reliable even for tougher wood types
- German high-grade stainless steel with rounded edge on back side and polished surface



Tooth shapes.



Saws available starting at **100 m coils** or **3 units endless/ dimension.**

Sales program standard.



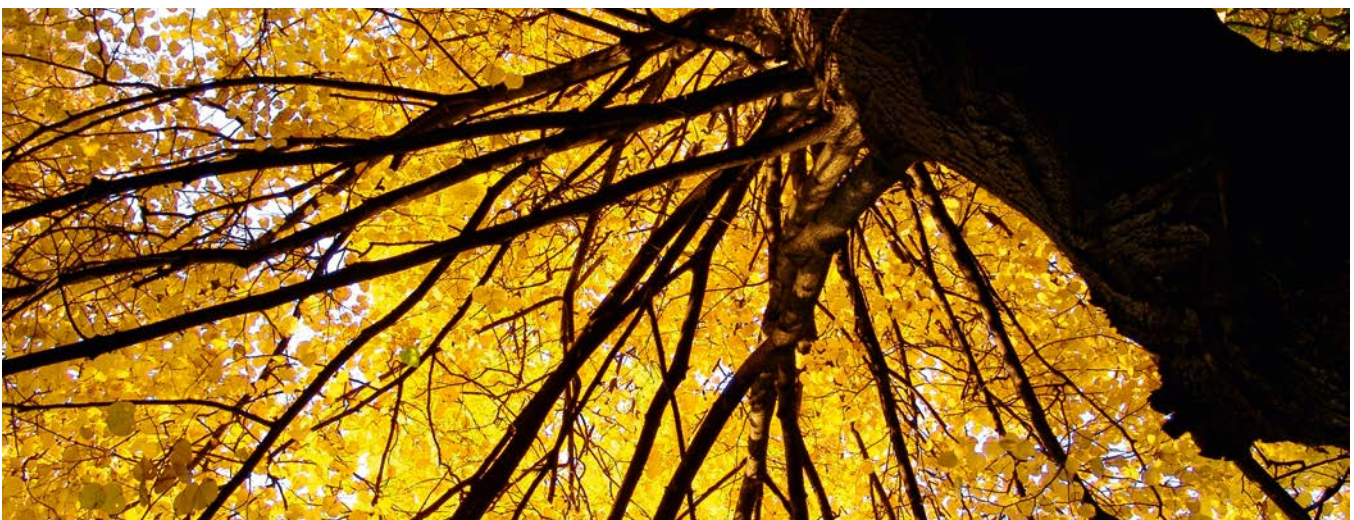
Coil in running meters



Continuous saw blade in finished length

Blade width [mm]	Blade thickness [mm]	Blade width [inch]	Blade thickness [inch]	Pitches [mm]	Tooth shape	Classic			Premium
						Toothed	Ready to saw	Upset-forged*	Stellite [®] -tipped
32	0.90 / 1.00 / 1.10	1 ¼	0.035 / 0.039 / 0.043	19, 22, 25	WM	■	■		■
35	0.90 / 1.00 / 1.10 / 1.27	1 ⅝	0.035 / 0.039 / 0.043 / 0.050	19, 22, 25	WM	■	■		■
38	1.00 / 1.10 / 1.27	1 ½	0.039 / 0.043 / 0.050	19, 22, 25	WM	■	■		■
40	0.90 / 1.00 / 1.10 / 1.27	1 ⅝	0.035 / 0.039 / 0.043 / 0.050	19, 22, 25	WM	■	■		■
50	0.90 / 1.00	2	0.035 / 0.039	19, 22, 25	WM	■	■		■
50	0.90 / 1.00	2	0.035 / 0.039	20, 25, 30	PCP / PV	■	■		■
55	0.90 / 1.00 / 1.10	2 ⅜	0.035 / 0.039 / 0.043	19, 22, 25	WM	■	■		■
55	0.90 / 1.00 / 1.10	2 ⅜	0.035 / 0.039 / 0.043	20, 25, 30, 35	PCP / PV	■	■		■
60	0.90 / 1.00 / 1.10	2 ⅝	0.035 / 0.039 / 0.043	20, 25, 30, 35, 40, 45	PCP / PV	■	■		■
70	0.90 / 1.00	2 ¾	0.035 / 0.039	20, 25, 30, 35, 40, 45	PCP / PV	■	■		■
80	0.90 / 1.00 / 1.10	3 ⅝	0.035 / 0.039 / 0.043	30, 35, 40, 45	PCP / PV	■	■	■	■
90	0.90 / 1.00 / 1.10	3 ½	0.035 / 0.039 / 0.043	30, 35, 40, 45	PCP / PV	■	■	■	■
100	0.90 / 1.00 / 1.10 / 1.20	4	0.035 / 0.039 / 0.043 / 0.047	30, 35, 40, 45	PCP / PV	■	■	■	■
110	1.00 / 1.10	4 ⅜	0.039 / 0.043	30, 35, 40, 45	PCP / PV	■	■	■	■
120	1.00 / 1.10 / 1.20	4 ¾	0.039 / 0.043 / 0.047	30, 35, 40, 45	PCP / PV	■	-	■	■
130	1.20	5 ⅝	0.047	30, 35, 40, 45	PCP / PV	■	-	■	■
140	1.20	5 ½	0.047	30, 35, 40, 45	PCP / PV	■	-	■	■
150	1.20 / 1.30	6	0.047 / 0.051	30, 35, 40, 45	PCP / PV	■	-	■	■

Details provided without guarantee. * Tooth shape only available in the PV version.



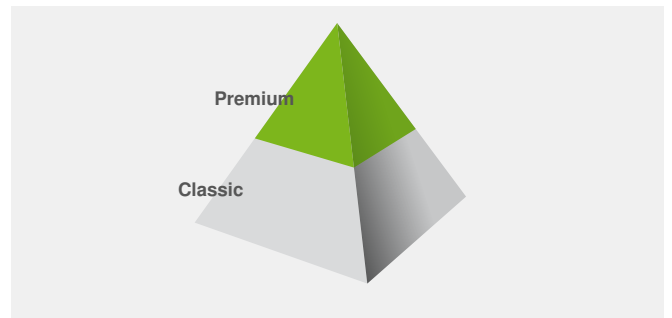
Food saws.

For use in the food industry, such as the trenching of fresh meat with bones, frozen meat, fish and vegetables from 16 to 25 mm.



Types.

Classic	Premium
Ready to saw	Hardened tooth tips
1	2
WM-FB	WM-FB UDT



Classic

The saw blade for all applications:

- German high-grade stainless steel
- Excellent price/performance ratio

Premium

The saw blade for high demands:

- Specially applicable for frozen foods
- German high-grade stainless steel



Tooth shapes.



Saws available starting at 500 mm/dimension.

Production program.



Coil in running meters

						Classic	Premium
Blade width [mm]	Blade thickness [mm]	Blade width [inch]	Blade thickness [inch]	Tooth shape	Pitches [mm]	Ready to saw	Hardened tooth tips
Economic multi-purpose blade							
16	0.50	5/8	0.019	WM-FB	3 TPI	■	-
16	0.56	5/8	0.022	WM-FB	3 TPI	■	-
16	0.50	5/8	0.019	WM-FB	4 TPI	■	-
16	0.56	5/8	0.022	WM-FB	4 TPI	■	-
Meat, fish and vegetables, frozen							
16	0.50	5/8	0.019	WM-FB	3 TPI	-	■
16	0.56	5/8	0.022	WM-FB	3 TPI	-	■
16	0.60	5/8	0.023	WM-FB	3 TPI	-	■
16	0.65	5/8	0.025	WM-FB	3 TPI	-	■
Bone-in fresh meat							
16	0.50	5/8	0.019	WM-FB	4 TPI	-	■
16	0.56	5/8	0.022	WM-FB	4 TPI	-	■
16	0.60	5/8	0.023	WM-FB	4 TPI	-	■
16	0.65	5/8	0.025	WM-FB	4 TPI	-	■
Meat, fish and vegetables, frozen							
20	0.50	3/4	0.019	WM-FB	3 TPI	-	■
20	0.56	3/4	0.022	WM-FB	3 TPI	-	■
20	0.60	3/4	0.023	WM-FB	3 TPI	-	■
20	0.65	3/4	0.025	WM-FB	3 TPI	-	■
25	0.50	1	0.019	WM-FB	3 TPI	-	■
25	0.60	1	0.023	WM-FB	3 TPI	-	■
Bone-in fresh meat							
20	0.50	3/4	0.019	WM-FB	4 TPI	-	■
20	0.56	3/4	0.022	WM-FB	4 TPI	-	■
20	0.60	3/4	0.023	WM-FB	4 TPI	-	■
20	0.65	3/4	0.025	WM-FB	4 TPI	-	■
25	0.50	1	0.019	WM-FB	4 TPI	-	■
25	0.60	1	0.023	WM-FB	4 TPI	-	■
Bone-in fresh meat							
16	0.50	5/8	0.019	UDT	-	-	■
16	0.56	5/8	0.022	UDT	-	-	■
16	0.60	5/8	0.023	UDT	-	-	■
16	0.65	5/8	0.025	UDT	-	-	■
20	0.50	3/4	0.019	UDT	-	-	■
20	0.56	3/4	0.022	UDT	-	-	■
20	0.60	3/4	0.023	UDT	-	-	■
20	0.65	3/4	0.025	UDT	-	-	■

Details provided without guarantee.

WINTERSTEIGER

A clean-cut company.

WINTERSTEIGER sees itself as a high-tech enterprise, and not without good reason. Amongst other things, this is because of the extraordinary precision that makes the saws unique in the world today.



WINTERSTEIGER Sägen GmbH, Arnstadt, Germany

More than four decades of systematic development work have been channelled into WINTERSTEIGER's high-quality band saw blades. Traditional craftsmanship manufacturing of band saw blades – tooth by tooth – has been taken over by an industrial production, whose technology is unparalleled in the world.

This long period was continuously defined by an all-embracing, holistic approach to development which is now concentrated at the WINTERSTEIGER Sägen GmbH. The new building with its 5,000 m² and state-of-the-art production systems, which the company moved into in 2006, is a significant sign of this demanding requirement.

At the same time, the availability and cutting life span of the tools play an important role, too. Optimum tool reconditioning results in a major competitive edge. WINTERSTEIGER provides its customers with the security of always having superbly conditioned tools on hand.



Tempering process



Latest production facilities on 5,000 m²

German high-grade stainless steel throughout.

Raw material.

The production quality of the strip steel is crucial for the quality of the band saw blades. The material properties of quality steel strip described according to DIN standard allows too wide tolerances for our quality criteria, therefore we add additional internal quality criteria for the acceptance of the strip steel before passing our material analyses.

The straightness, flatness and surface condition of the strip steel as well as its dimensional accuracy in respect of thickness should show no substantial differences through-out entire delivery batches consisting of tons of the respective dimension. Only compliance with all of these criteria enables the production of a saw blade with constant accuracy that is maintained during tooth-cutting, sharpening and setting.



The WINTERSTEIGER band saw blades are manufactured from German high-grade steel that offers the perfect combination of hardness, toughness and flexibility. State-of-the-art production methods in tooth-cutting, setting and sharpening ensure highest quality, perfect cutting, and long service life for this saw type.

Production.

There are two ways of cutting the teeth in strip steel to produce a band saw blade: The most common one is tooth-cutting by means of punching. The other alternative – and best in terms of quality – is deep grinding.

Our production facility has four machines for punching with a very high feed rate and one deep grinding machine.

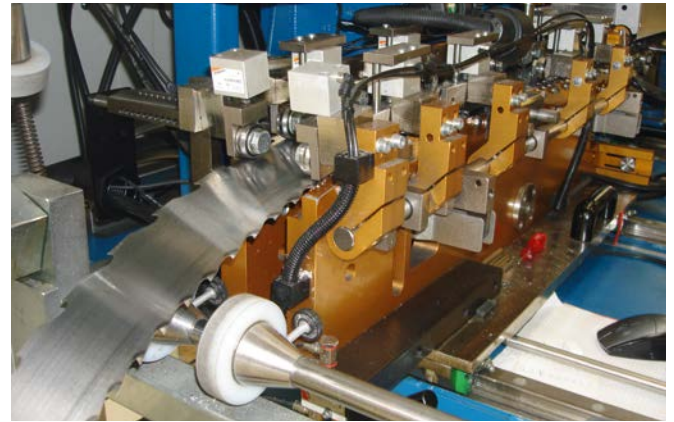


The accuracy of the tooth pitch and tooth shape when punching depends largely on the precision of the forward feed and on the quality of the tooth-cutting tool when it is ground. Both factors are therefore subject to constant inspection by our qualified staff. Manufacture by means of deep grinding links tooth-cutting with precision grinding of the band saw blade. The surface quality of the ground material is free of burrs as the grinding wheel is held permanently in the same place by a diamond dresser.

Dressing.

Several welding machines of different dimensions are available for saw dressing. The quality characteristic common to them all is that they are equipped with temperature-control devices for automatic measurement and control of the tempering temperature. This extremely efficient measure makes it possible to avoid the consequences of incorrect tempering temperatures such as cracks in the weld seam.

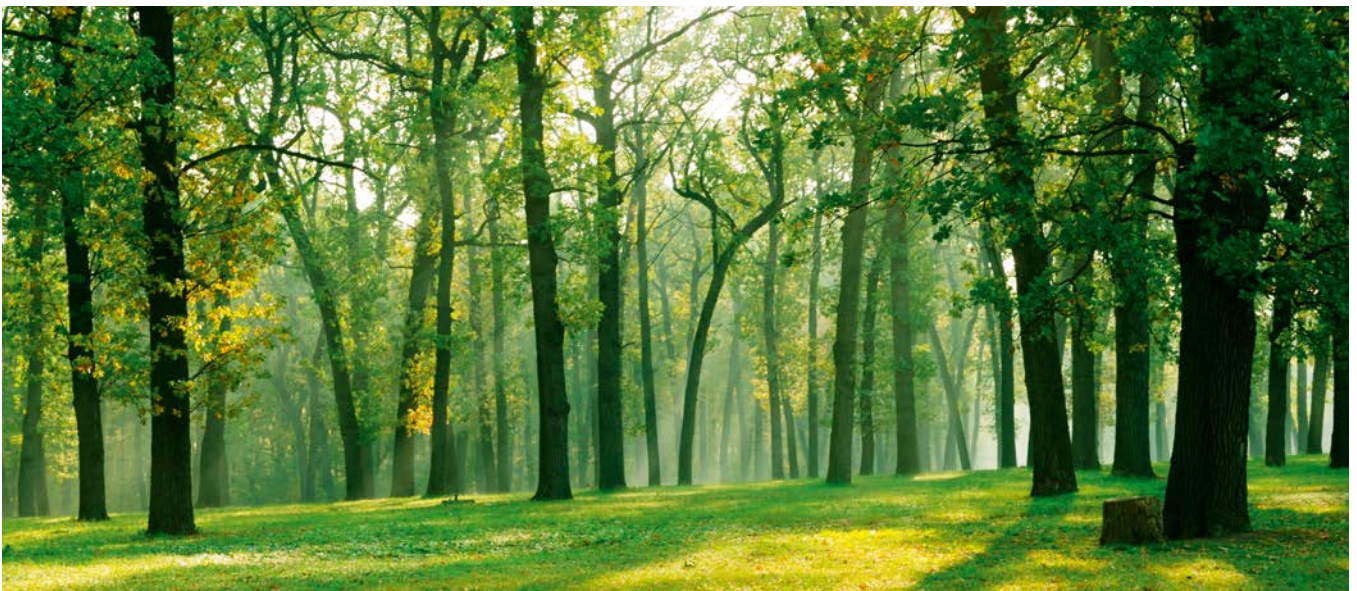
Upstream processes of the dressing, such as setting or grinding, are carried out by a large number of the latest, fully automatic machines.



The setting of several teeth in one work sequence not only has substantial advantages for the forward feed and thus the work output; the setting accuracy is also very beneficial in that the resilient force arising on setting a single tooth is considerably minimized.

Almost all the production – with the exception of just a few special designs – is using Borazon grinding machines. Along with automated production, this has the advantage of a tooth ground with high precision and extreme sharpness. As a result, the surface roughness of conventional sharpening processes is reduced to an absolute minimum, the Borazon grinding wheels retain their profile throughout a very long production period, and the pressurized cooling fluid prevents overheating during the grinding process.

The finished saw blades are packaged to the highest technical requirements with safety, material conservation and environmental compatibility in mind before being sent for dispatch.



WINTERSTEIGER. A Global Player.

WINTERSTEIGER AG is an international machinery and plant engineering group. Founded in 1953, it has gradually established itself as a leading provider of innovative solutions for customers in technically sophisticated niche markets. The business fields of the company consist of:

■ SEEDMECH

- Turnkey solutions for plant breeding and research

■ SPORTS

- One-stop supplier for ski and snowboard rental and servicing
- Systems for hygienic drying of sports goods and work clothes
- Fit-optimizing solutions and individual sports shoe adjustments

■ WOODTECH

- Process solutions for precision thin-cutting, wood repairs and cosmetics
- Saw blades for wood and food

■ METALS

- Levelling technology machines and systems

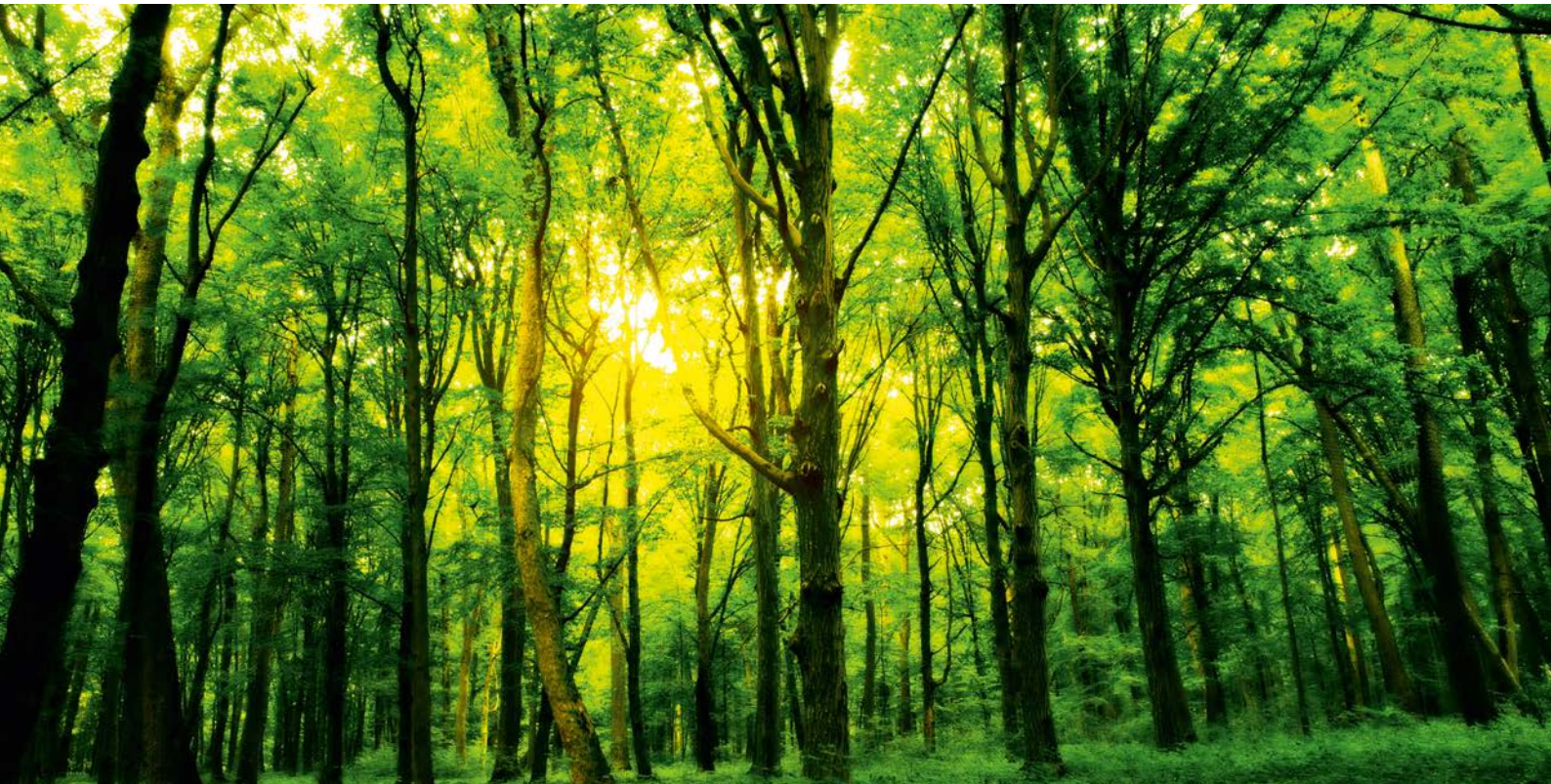
■ AUTOMATION

- Plants and automation solutions for industrial manufacturing companies



Headquarters at Ried im Innkreis, Upper Austria

Success begins with the right decisions.
At the right time. We look forward to you!



WINTERSTEIGER
Thinking about tomorrow.

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