Arntz

Passionate Cutting!

FACT BOOK

BAND SAW BLADES

Edition 2024

Arntz
Passionate Cutting!

HIGH PERFORMANCE BAND SAW BLADES

SAWING TECHNOLOGY IS OUR PASSION

We are an internationally positioned manufacturer and trend-setting technologist of high-end Band Saw Blades. We specialise in customised solutions for cutting metals and all common construction and insulating materials.

For 230 years, ARNTZ has been a plannable partner for a wide range of industries – from steel construction and light metal casting to aerospace. Being a 7th generation family-owned company, we speak from experience and use our technical know-how for cutting-edge product developments, always standing by our customers' side.

Our sales engineers know the special features and requirements of the most diverse band saw machines and solve your sawing tasks with passion. Three modern production sites and an international sales network guarantee our comprehensive service, even in your vicinity.

The ARNTZ expert team provides you with close support at all levels of the purchasing process and beyond. We regularly provide training on basic questions all the way to fine-tuning your cutting process.

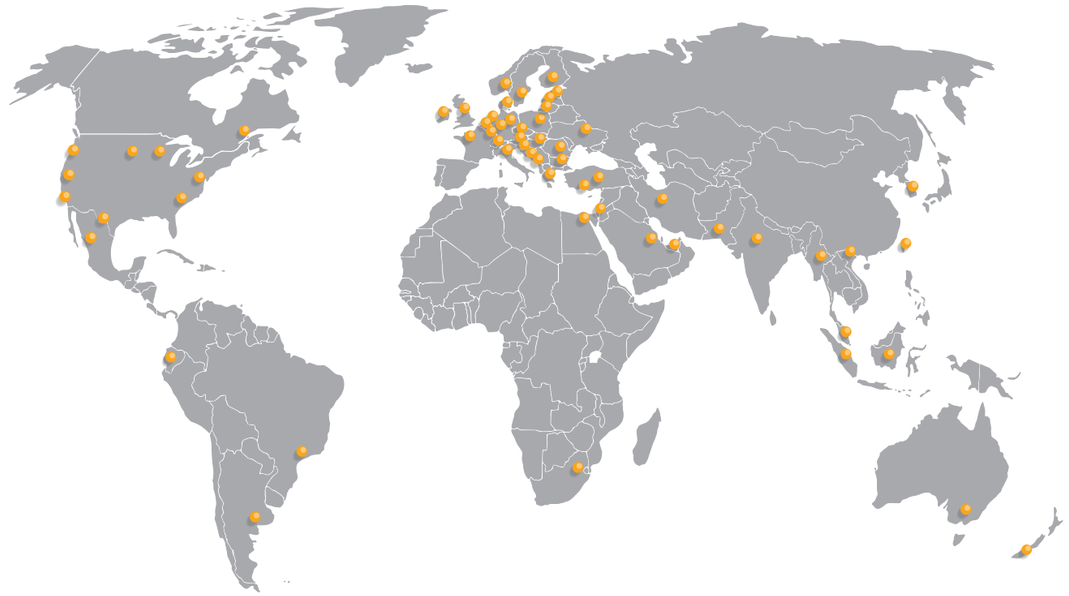
Your goal is our motivation!

EXPERIENCE TRADITION
230 years
Arntz
1793-2023
INNOVATION

Facts and figures

- Owner-managed in 7th generation
- 180 employees
- 230 years of metal processing
- Manufacturer of high-performance Band Saw Blades with three production sites
- International distribution network
- Export ratio over 70 %
- Concept solutions for the specialised trade
- Supplier of Power Tool Accessories

At your side worldwide




Johann Wilhelm Arntz
*1736 † 1834


Johann Ferdinand Arntz
*1806 † 1867


Johann Wilhelm Arntz
*1846 † 1908


Johann Wilhelm Arntz
*1873 † 1932


Johann Wilhelm Arntz
*1908 † 1957


Johann Wilhelm Arntz
*1939 † 2021

1793 Company founded as a hammer mill

1879 Relocation to Lenneper Straße, RS

1900 Saw blade production

1944 Production of segmental circular saw blades

1966 Entry Johann Wilhelm Arntz

1978 Production of carbide circular saw blades

1981 Foundation ARNTZ, Inc. in Summerville, USA

1988 Start production of Bi-Metal Band Saw Blades

1990 Foundation of ARNTZ Sägetechnik GmbH Schmölln

1996 Entry Jan Wilhelm Arntz

1999 Foundation ARNTZ Netherlands

2001 Start of Carbide Tipped Band Saw Blade production

2010 Foundation of the welding centre Schmölln

2015 Relocation / site expansion ARNTZ SLN

2017 Expansion of Bi-Metal and carbide production capacity

2018 225 years ARNTZ

2022 Capacity expansion to one of the largest welding centres in Europe

2023 230 years ARNTZ

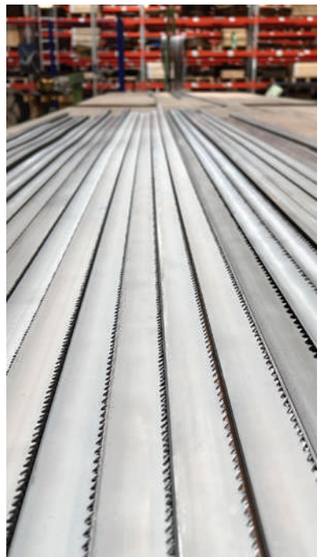
PRODUCTION

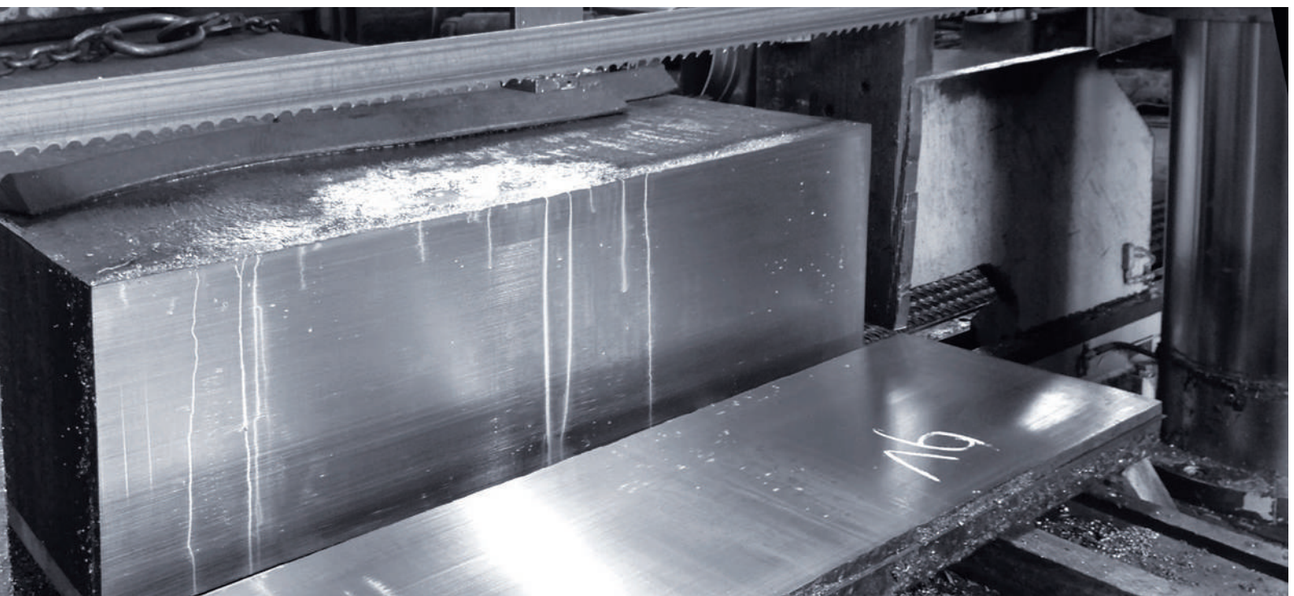
Bi-Metal and Carbide Tipped Band Saw Blades

ARNTZ Band Saw Blades undergo a consistent quality control throughout each stage of the production process. The right choice of materials, precise tooth manufacturing, and the utilization of dependable welding procedures are critical factors in the production of Band Saw Blades with high performance and long blade life.

WELDING CENTRE
Schmölln

With the move into our new facility, one of the largest welding centres in Europe has been established. Expert knowledge and state-of-the-art IDEAL welding machines create an inseparable connection while adhering to the highest quality standards. ARNTZ endless welded Band Saw Blades are characterised by consistency and linearity at the welding point, providing process reliability.





THE RIGHT BREAK-IN

Guarantee for extended blade life

ARNTZ Band Saw Blades should be adhered to a special break-in procedure for extended blade life, less blade changes and best payback of your tool cost. Overload of the razor-sharp tooth tips should be avoided at the start of the cutting operation. Aggressive cutting with a new blade will lead to premature tooth breakages. Correct break-in will control the gentle rounding of the cutting edges.

Bi-Metal Band Saw Blades

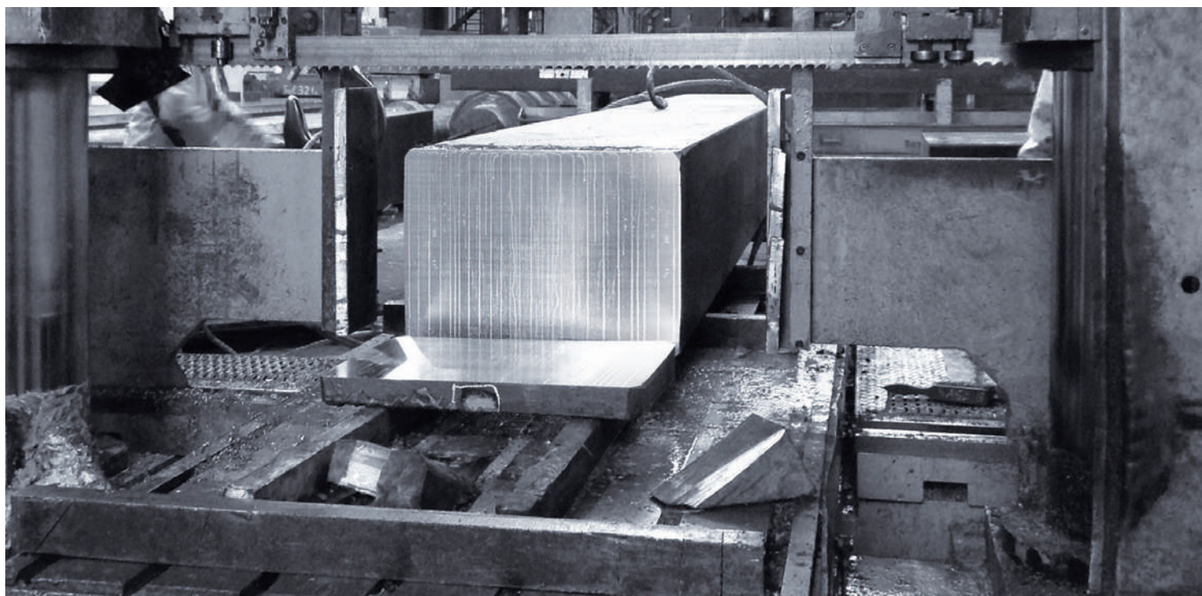
Starting feed should be half of final feed rate at the recommended cutting speed for the first 300 – 500 cm^2 cutting surface. After that, feed rate should be gradually increased to the maximum cutting rate. In case vibrations or noises should occur at the beginning of the cutting operation, the cutting speed should be slightly adjusted.

Carbide Tipped Band Saw Blades

Depending on the material, we recommend the following parameters for break-in during the first at least 30 minutes:

Material cross-section up to 600 mm	Cutting speed	= 30 m/min
	Feed	= 5 mm/min
Material cross-section over 600 mm	Cutting speed	= 25 m/min
	Feed	= 3 mm/min

Only when the Band Saw Blades are cutting without any vibrations, cutting speed and feed can be increased step by step to the maximum. The blades are working perfectly when no audible vibration appears.



C-TEC:
The optional coating – highest performance for your Band Saw Blade

C-TEC optional **from 41 mm blade width**

High cutting speeds and feeds can lead to premature wear of the tooth cutting edges during sawing. Applying a hard coating protects the saw blade from wear, heat and friction and supports performance. ARNTZ C-TEC is an aluminium titanium nitride (AlTiN) coating specially developed for high performance sawing and helps to make your sawing process significantly more efficient.

R-TEC:
The optional blade back – ramp-shaped ground for more power

R-TEC optional **from 41 mm saw band width**

The second generation with improved ramp design for individual solutions in demanding sawing applications.

- Increases the cutting performance without additional feed pressure of the sawing machine
- Individual ramp definition
- Improved ramp design for faster and straighter cutting
- Precise machining of the saw band back reduces the load on the carrier band and increases the blade life
- Enables sawing of a wider range of workpiece dimensions

WS:
Wide set for larger cutting width

- Band Saw Blades in this special design have a particularly wide tooth restriction and thus a larger cutting width
- Prevents jamming of the saw blade in the cutting channel for wide and thick-walled steel profiles, bundle cuts, and materials with residual stress.

SYMBOL EXPLANATION

Workpiece

- Solid material round small
- Solid material round medium
- Solid material round large
- Solid material special alloy
- Solid material rectangular large
- Metal sheet
- Round tube thick-walled
- Small round tube thin-walled
- Tube bundle
- Round tube normal wall
- Square tube
- Normal steel beam
- Wide steel beam
- Thick-walled steel beam
- U-steel
- Larger bundle packages
- L-steel
- Surface-hardened material
- Block, perforated and plane bricks
- Aerated concrete, gas concrete, insulating material, insulation boards
- Wooden pallet

ARTICLE GROUPS AT A CLANCE

Performance level	Article Group un-coated	Article Group C-TEC coated	Designation		The specialist for	Material cross-section	Page
			BI-METAL BAND SAW BLADES				
Standard Universal use at a good price-performance ratio	431		SPRINT-PLUS		Solid material, profile		17
	457		X-FIT		Mix		18
Professional Professional sawing of large steel construction profiles and hard materials	445	845	PROFILER		Profile		19
	544		BLIZZARD		Solid material		20
Professional Plus High-performance sawing	440	840	X-CELL		Solid material		21
	437	837	TYPHOON	ground	Solid material		22
	537	867	TYPHOON-MAXIMA	ground	Solid material		23
Basic The less expensive alternative to our Made in Germany products	401		BASIC-PLUS		Solid material, profile		24
	402		BASIC-GP		Mix		25
			CARBIDE TPPED BAND SAW BLADES				
Standard Expert for the universal application	626	826	BLACK-LINE-GP	Triple chip geometry	Universal use		28
	627	827	Q-LINE	Multi chip geometry	Universal use		29
Professional Professional sawing of difficult to cut materials and non-ferrous metals	622	822	BLACK-LINE-S	Triple chip set	Difficult to cut and abrasive materials		30
	643		BLUE-LINE	Triple chip geometry	Non-ferrous metals and graphite		31
Professional Plus High-performance sawing	650	850	SILVER-LINE	Multi chip geometry	High-alloy steels and non-ferrous metals		32
	651		SILVER-LINE-N	Multi chip geometry negative	Extremely hard or surface hardened materials		33
			OTHER APPLICATIONS				
	623		STONE-LINE-S	Set	Building and insulating materials		34
	621		STONE-LINE-RT	Multi chip geometry	Building and insulating materials		35
	490		PAL-CUT		Wooden pallets		36
			CARBON BAND SAW BLADES				
	100		CS-1	Flexible back			37
	110		CS-2-PLUS	Spring hardened and tempered back			37
			PROFESSIONAL ACCESSORIES				
			Blade Tension Meter, Refractometer, Application Toolkit				38
			POWER TOOL ACCESSORIES				
			Hole saws, hole saw set, annular cutter, annular cutter set, reciprocating saw blades, circular saw blades, power hacksaw blades, hand hacksaw blades, cooling lubricants				39

HIGHLY FLEXIBLE

The backer of the Bi-Metal Band Saw Blade is made of specially alloyed spring steel. Highly flexible with a strength of approx. 50 HRC.

HARD AND RESISTANT

Tooth tips made from hardened HSS in qualities M42 and powder metallurgical M51 ensure the highest wear resistance due to an extensive heat treatment.

OPTIMALLY CONNECTED

The backer and the HSS flat wire are undetachably welded together by a special electron or laser beam welding process.

ADVANTAGES

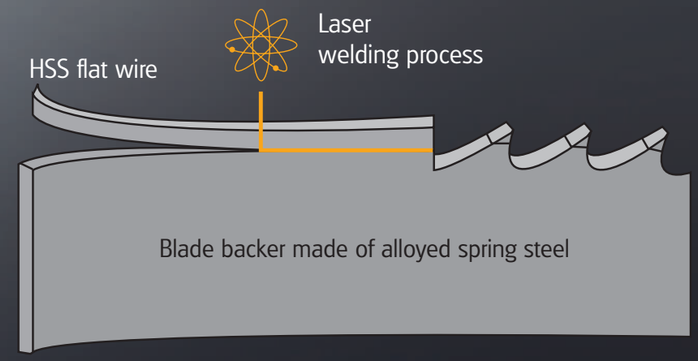
The high-quality Bi-Metal Band Saw Blade combines the flexibility of the spring steel backer with the enormous wear resistance of the high speed steel. Each tooth tip of the finished band is made of hardened HSS, extremely durable for best performance.

M42

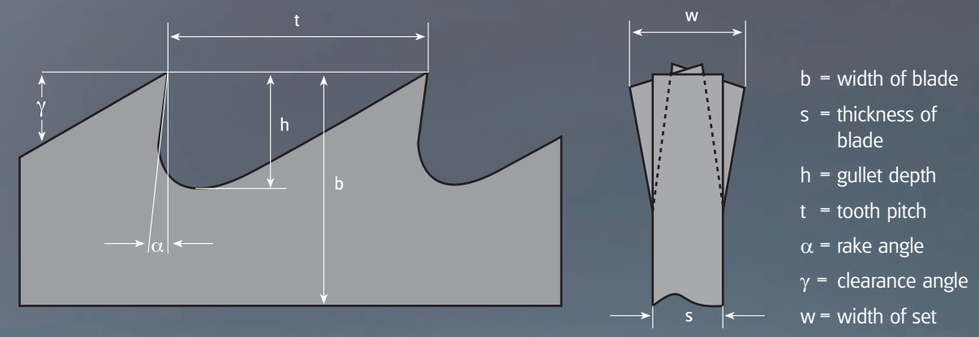
Material1.3247
Hardness approx. 68 - 69 HRC

M51

Material 1.3207
Hardness approx. 69 HRC,
with high tungsten and cobalt content.

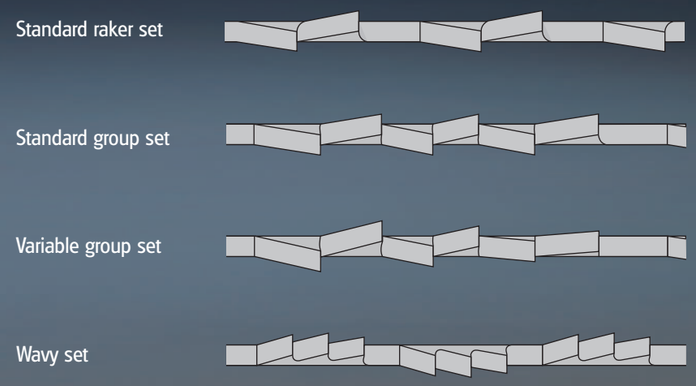


BAND SAW GEOMETRY – TERMINOLOGY



TOOTH SET – WHAT GROUPS AND WAVES DO

Beside the tooth pitch and the tooth form, the exact setting is essential for the performance of the sawblade. The correct clearance results from the corresponding setting. It avoids blade pinching, which is especially important in problematic steels. Width and type of set are precisely tailored to the cutting application.



The choice of the correct toothing for the material cross section to be cut is decisive for the optimum use of a Bi-Metal Band Saw Blade.
The combi-tooth with variable tooth pitch is recommended for low-vibration sawing. Vibration resonances are reduced.

Toothing recommendation for solid material

Variable tooth pitch	
Cross section	Teeth per inch
mm	tpi
from 550	0,75/1,25
380 - 750	1/1,3
250 - 550	1,4/2
120 - 350	2/3
80 - 140	3/4
60 - 110	4/6
40 - 70	5/7 | 5/8
30 - 60	6/10
20 - 40	8/11 | 8/12
to 25	10/14

Toothing recommendation for profiles

Thin-walled profiles							
Wall thickness	Profile outer diameter in mm						
in mm	20	40	60	80	100	120	150
2	14	14	14	14	14	14	10/14
3	14	14	14	14	10/14	10/14	8/11 | 8/12
4	14	14	10/14	10/14	8/11 | 8/12	8/11 | 8/12	6/10
5	14	10/14	10/14	8/11 | 8/12	8/11 | 8/12	6/10	6/10
6	14	10/14	8/11 | 8/12	8/11 | 8/12	6/10	6/10	5/7 | 5/8
8	14	8/11 | 8/12	6/10	6/10	5/7 | 5/8	5/7 | 5/8	5/7 | 5/8
10	-	6/10	6/10	5/7 | 5/8	5/7 | 5/8	5/7 | 5/8	–

Especially when cutting profiles, the choice of toothing has a decisive influence on the sawing result. The variable tooth pitch has proven to be the ideal toothing. The required tooth pitch depends on the wall thickness and diameter of the profiles to be cut. The tables apply to single cuts. If two or more profiles are cut next to each other, the tables apply taking into account two times the wall thickness with a single profile outer diameter.

Thick-walled profiles								
Wall thickness	Profile outer diameter in mm							
in mm	80	100	120	150	200	300	500	750
10	-	-	-	4/6	4/6	4/6	3/4	2/3
15	4/6	4/6	4/6	4/6	4/6	3/4	2/3	2/3
20	4/6	4/6	4/6	4/6	3/4	3/4	2/3	2/3
30	4/6	4/6	4/6	3/4	3/4	2/3	2/3	2/3
50	-	-	3/4	3/4	2/3	2/3	2/3	1,4/2
80	-	-	-	-	2/3	2/3	1,4/2	1,4/2
100	-	-	-	-	-	2/3	1,4/2	1,4/2

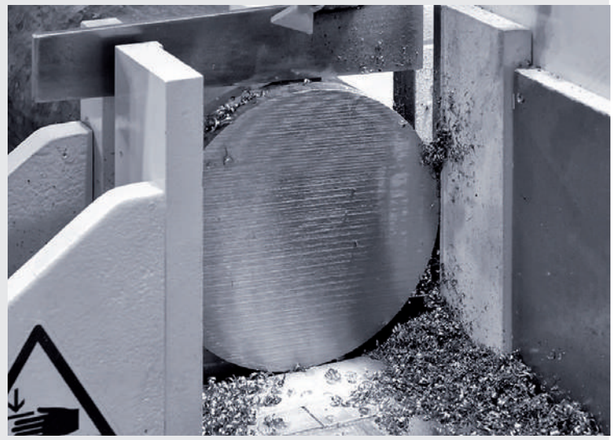
ARNTZ Bi-Metal Band Saw Blades are supplied as endless welded loops to fit your band saw machines, or in coils.
Coils can be delivered in different coil length. Please notice that the minimum order quantities refer to the production length.

6-13 mm in length of approx 30+76 m | 20-34 mm in length of approx 100 m | 41 mm in length of approx 80 m
54-67 mm in length of approx 90 m | 80 mm in length of approx 40 m

Article group 431 | **Standard**

SPRINT-PLUS

- The classic with a wide range of applications for plannable cutting costs and reproducible results
- Extensive toothing selection with neutral and positive rake angle for all common material cross-sections



M42

Dimensions		Tooth												
mm	inch	0,75/1,25	1,4/2	2/3	3	3/4	4	4/6	6	5/8	6/10	8/12	10/14	14	18
6 x 0,90	1/4 x 0,035												■		
10 x 0,90	3/8 x 0,035						■						■		
13 x 0,65	1/2 x 0,025						■		■	■	■	■	■	■	■
13 x 0,90	1/2 x 0,035				■		■		■	■	■	■	■		
20 x 0,90	3/4 x 0,035				■			■		■	■	■	■	■	■
27 x 0,90	1 x 0,035			■	■	■	■	■		■	■	■	■	■	
34 x 1,10	1 1/4 x 0,042		■	■		■		■		■	■	■			
41 x 1,30	1 1/2 x 0,050		■	■		■		■		■	■				
54 x 1,30	2 x 0,050		■	■		■									
54 x 1,60	2 x 0,063	■	■	■		■		■							
67 x 1,60	2 5/8 x 0,063	■	■	■											
80 x 1,60	3 x 0,063	■	■												

Article group 457 | Standard

X-FIT

- The all-rounder with particularly strong tooth back for use in mixed operation
- Longer blade life
- Reduced blade changes
- Lower inventory costs

M42

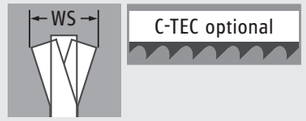
Dimensions		Tooth				
mm	inch	2/3	3/4	4/6	5/7	8/11
20 x 0,90	3/4 x 0,035			■	■	■
27 x 0,90	1 x 0,035		■	■	■	■
34 x 1,10	1 1/4 x 0,042	■	■	■	■	
41 x 1,30	1 1/2 x 0,050	■	■	■		
54 x 1,30	2 x 0,050		■	■		

Article group 445 | 845 C-TEC | Professional

PROFILER

- The powerhouse for machining large profiles and beams
- Extended blade life due to robust tooth design even in bundle cutting with chip nests
- Extra wide set prevents jamming in materials with high residual stress

M42



C-TEC optional

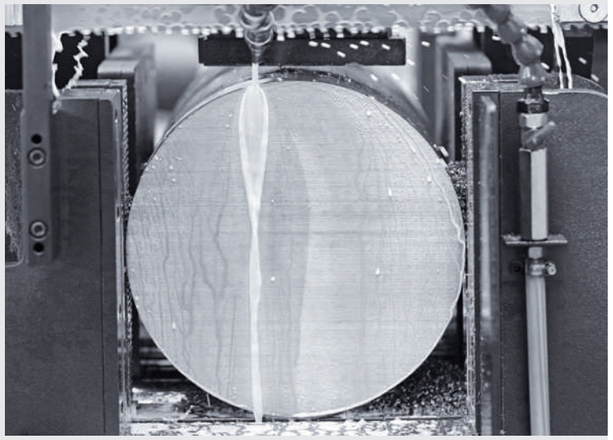
Dimensions		Tooth	
mm	inch	2/3	3/4
54 x 1,60	2 x 0,063	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■

■ Coated variant C-TEC optional

Article group 544 | Professional

BLIZZARD

- The high-performance Band Saw Blade for demanding materials up to 1700 N/mm² tensile strength
- Aggressive cutting angle enhances cutting performance



M51

R-TEC optional

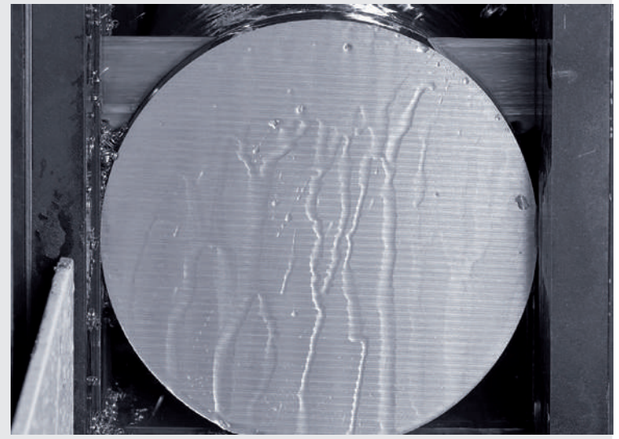
Dimensions		Tooth						
mm	inch	0,75/1,25	1/1,3	1,4/2	2/3	3/4	4/6	5/8
27 x 0,90	1 x 0,035				■	■	■	■
34 x 1,10	1 1/4 x 0,042				■	■	■	
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■	■ ■		
54 x 1,60	2 x 0,063		■ ■	■ ■	■ ■			
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■			
80 x 1,60	3 x 0,063	■ ■	■ ■	■ ■				

■ Ramping technology R-TEC optional

Article group 440 | 840 C-TEC | Professional Plus

X-CELL

- The new limit pusher for high-performance cutting processes where conventional M42 qualities fall short
- Especially robust tooth design and newly developed aggressive tooth geometry
- Extra-large chip chamber volume for higher machining rates



C-TEC optional

R-TEC optional

Dimensions		Tooth			
mm	inch	0,75/1,25	1/1,3	1,4/2	2/3
41 x 1,30	1 1/2 x 0,050			■* ■	■* ■
54 x 1,60	2 x 0,063		■ ■	■* ■	■* ■
67 x 1,60	2 5/8 x 0,063	■* ■	■ ■	■* ■	
80 x 1,60	3 x 0,063	■* ■	■ ■		

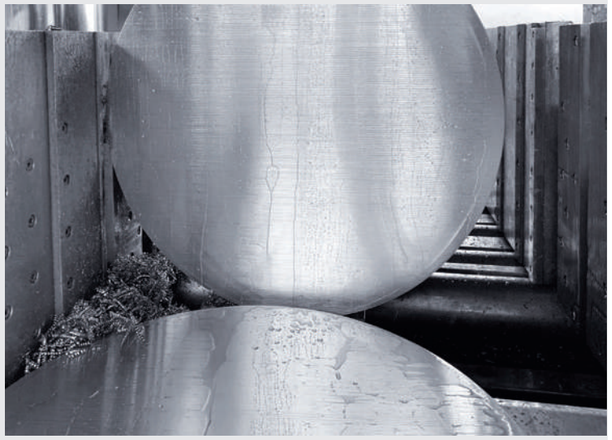
■ Coated variant C-TEC optional / Ramping technology R-TEC optional

*available from Q1 2024

Article group 437 | 837 C-TEC | Professional Plus

TYPHOON

- The powerhouse with ground tooth tips for robust performance in versatile applications on steels and non-ferrous metals up to 1400 N/mm² tensile strength
- Excellent cutting surfaces and precise cuts



M42

C-TEC optional | R-TEC optional

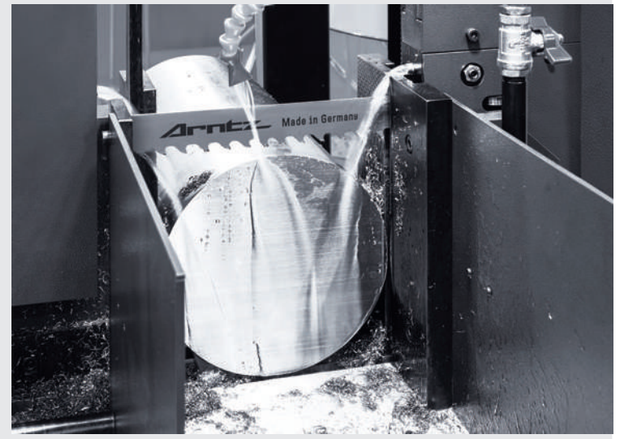
Dimensions		Tooth				
mm	inch	0,75/1,25	1/1,3	1,4/2	2/3	3/4
27 x 0,90	1 x 0,035				■	■
34 x 1,10	1 1/4 x 0,042			■	■	■
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■	■ ■
54 x 1,30	2 x 0,050			■ ■	■ ■	■ ■
54 x 1,60	2 x 0,063	■ ■		■ ■	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■	■ ■
80 x 1,60	3 x 0,063	■ ■	■ ■	■ ■		

■ Coated variant C-TEC optional / Ramping technology R-TEC optional

Article group 537 | 867 C-TEC | Professional Plus

TYPHOON-MAXIMA

- The top-tier of high-performance Band Saw Blades with ground teeth and extremely aggressive tooth geometry for materials up to 1700 N/mm² tensile strength
- Bi-Metal Band Saw Blade delivering carbide-level performance for heavy-duty cutting tasks on machines without carbide package
- Straight cuts with increased throughput, impressive machining rates and faster feeds



S

M51

C-TEC optional | R-TEC optional

Dimensions		Tooth			
mm	inch	0,75/1,25	1/1,3	1,4/2	2/3
27 x 0,90	1 x 0,035				■
34 x 1,10	1 1/4 x 0,042				■
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■
54 x 1,60	2 x 0,063		■ ■	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■
80 x 1,60	3 x 0,063	■ ■	■ ■	■ ■	

■ Coated variant C-TEC optional / Ramping technology R-TEC optional

Article group 401 | Basic

BASIC-PLUS

- The budget-friendly choice with a wide range of tooth profiles
- Versatile application for thin-walled profiles up to large solid material workpieces

M42

Dimensions		Tooth									
mm	inch	0,75/1,25	1/1,3	1,4/2	2/3	3/4	4/6	5/8	6/10	8/12	10/14
13 x 0,65	1/2 x 0,025							■	■	■	■
13 x 0,90	1/2 x 0,035							■	■	■	■
20 x 0,90	3/4 x 0,035						■	■	■	■	■
27 x 0,90	1 x 0,035				■	■	■	■	■	■	■
34 x 1,10	1 1/4 x 0,042			■	■	■	■	■	■	■	■
41 x 1,30	1 1/2 x 0,050			■	■	■	■				
54 x 1,30	2 x 0,050			■	■	■	■				
54 x 1,60	2 x 0,063	■		■	■	■	■				
67 x 1,60	2 5/8 x 0,063	■	■	■	■	■					
80 x 1,60	3 x 0,063	■	■	■							

Article group 402 | Basic

BASIC-GP

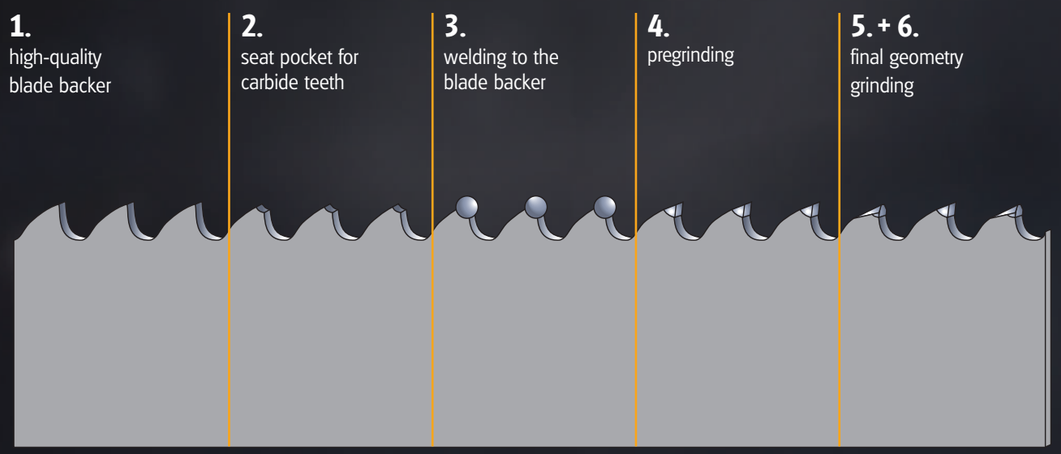
- The budget-friendly multitool with a robust tooth design for varying cutting tasks
- Saves inventory costs with extended tool life in mixed operations
- Reduced blade changes

M42

Dimensions		Tooth					
mm	inch	2/3	3/4	4/6	5/7	8/11	12/16
20 x 0,90	3/4 x 0,035				■	■	■
27 x 0,90	1 x 0,035		■	■	■	■	■
34 x 1,10	1 1/4 x 0,042		■	■	■		
41 x 1,30	1 1/2 x 0,050	■	■	■	■		
54 x 1,60	2 x 0,063	■	■	■			
67 x 1,60	2 5/8 x 0,063	■	■				

EXTREMELY POWERFUL

Our Carbide Tipped Band Saw Blades are true high-performance professionals, developed for absolutely clean and smooth results under extreme cutting conditions.



FLEXIBLE:

The blade backer consists of a specially alloyed spring steel and forms the optimal foundation for high-performance cutting.

PRECISELY GROUND:

The subsequent grinding processes are crucial to ensure the correct tooth geometry and excellent performance.

PERFECTLY CONNECTED:

Each ARNTZ Band Saw Blade undergoes a specialized process in which the highly wear-resistant carbide teeth are securely bonded to the backing strip through welding techniques.

TARGETED:

The carbide tipped tooth tips work highly efficiently and achieve up to 3 times higher cutting performance in low-vibration cuts.

THE RIGHT APPLICATION:

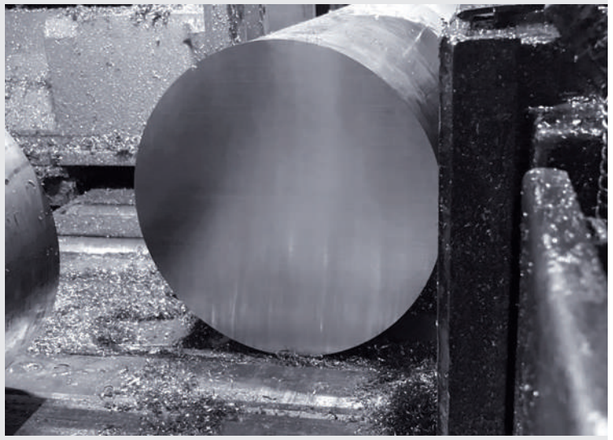
For optimum performance, ARNTZ Carbide Tipped Band Saw Blades should be used on bandsaw machines specially designed for this purpose.

ARNTZ Carbide Tipped Saw Blades are supplied as endless welded loops, customfit for your sawing machine, or in coils:
27 – 80 mm in lengths of approx. 50 meters

Article group 626 | 826 C-TEC | Standard

BLACK-LINE-GP

- The Carbide Tipped all-rounder with a robust triple chip geometry
- Consistent performance with changing materials



C-TEC optional | R-TEC optional

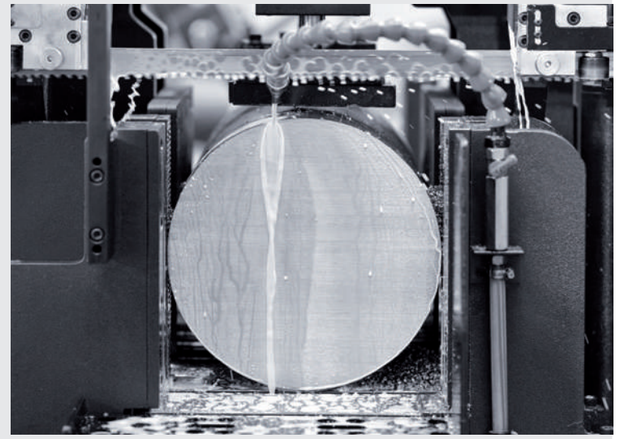
Dimensions		Tooth			
mm	inch	0,75/1,25	1/1,5	1,4/2	2/3
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■
54 x 1,60	2 x 0,063		■ ■	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■
80 x 1,60	3 x 0,063	■ ■		■ ■	

■ Coated variant C-TEC optional / Ramping technology R-TEC optional

Article group 627 | 827 C-TEC | Standard

Q-LINE

- The universal talent with precision-ground multichip geometry
- Perfectly matched rake angle for exceptional tooth stability at high machining rates



S | C-TEC optional

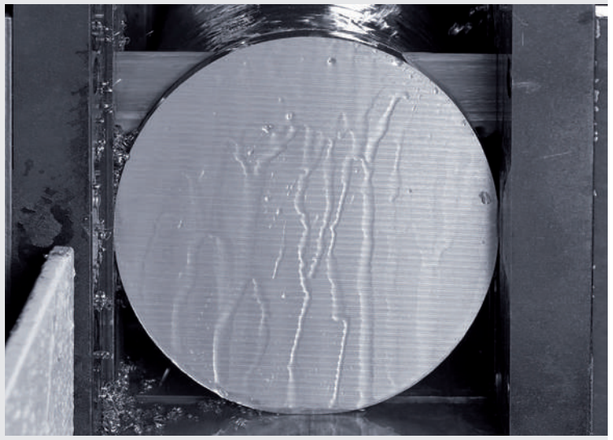
Dimensions		Tooth				
mm	inch	0,75/1,25	1/1,5	1,4/2	2/3	3/4
27 x 0,90	1 x 0,035					■
34 x 1,10	1 1/4 x 0,042			■	■	■
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■	■ ■
54 x 1,30	2 x 0,050			■ ■	■ ■	
54 x 1,60	2 x 0,063	■ ■	■ ■	■ ■	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■	
80 x 1,60	3 x 0,063	■ ■		■ ■		

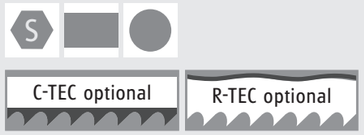
■ Coated variant C-TEC optional

Article group 622 | 822 C-TEC | Professional

BLACK-LINE-S

- The professional with precisely set teeth
- Extended free cut prevents jamming in materials with significant residual stress
- Applicable on machines with and without carbide software





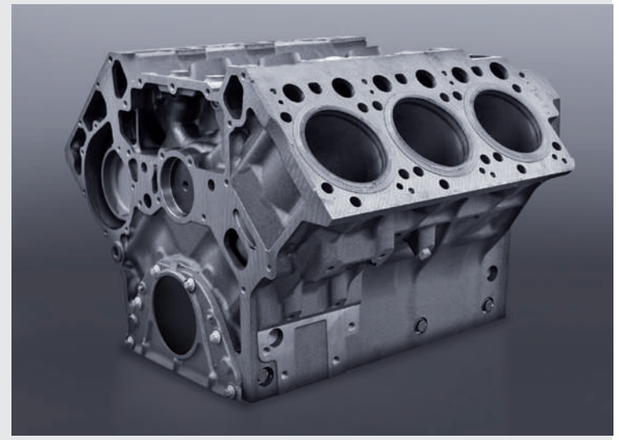
Dimensions		Tooth				
mm	inch	0,75/1,25	1,4/2	2/3	3	3/4
20 x 0,90	3/4 x 0,035				■	
27 x 0,90	1 x 0,035			■	■	■
34 x 1,10	1 1/4 x 0,042		■	■		■
41 x 1,30	1 1/2 x 0,050		■ ■	■ ■		■ ■
54 x 1,30	2 x 0,050		■ ■	■ ■		
54 x 1,60	2 x 0,063	■ ■	■ ■	■ ■		
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■			
80 x 1,60	3 x 0,063	■ ■	■ ■			

■ Coated variant C-TEC optional / Ramping technology R-TEC optional

Article group 643 | Professional

BLUE-LINE

- The specialist for non-ferrous metals and graphite with triple chip geometry
- Cutting edges with the special grind

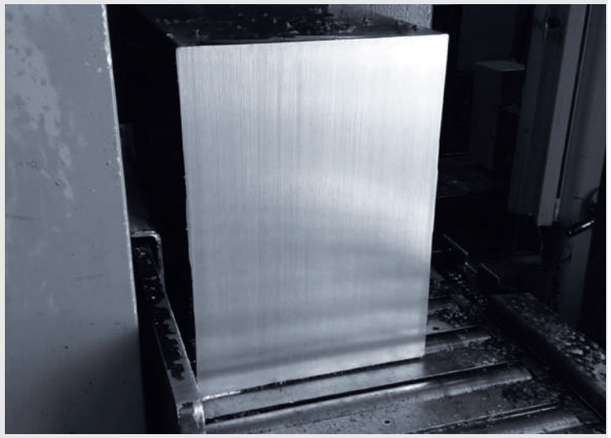


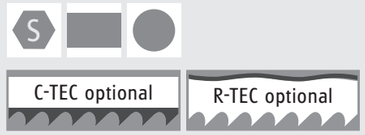
Abmessung		Tooth					
mm	inch	0,65/0,95	0,75/1,25	1,4/2	2/3	3	3/4
20 x 0,90	3/4 x 0,035					■	
27 x 0,90	1 x 0,035				■	■	■
34 x 1,10	1 1/4 x 0,042			■	■	■	■
41 x 1,30	1 1/2 x 0,050			■	■		■
54 x 1,30	2 x 0,050			■	■		
54 x 1,60	2 x 0,063		■	■	■		
67 x 1,60	2 5/8 x 0,063			■			
80 x 1,60	3 x 0,063	■	■	■			

Article group 650 | 850 C-TEC | Professional Plus

SILVER-LINE

- The champion with complex multi chip geometry for highest demands
- Best performance rates in extremely difficult-to-machine materials up to 1900 N/mm² tensile strength
- Precision-ground teeth with aggressive rake angle





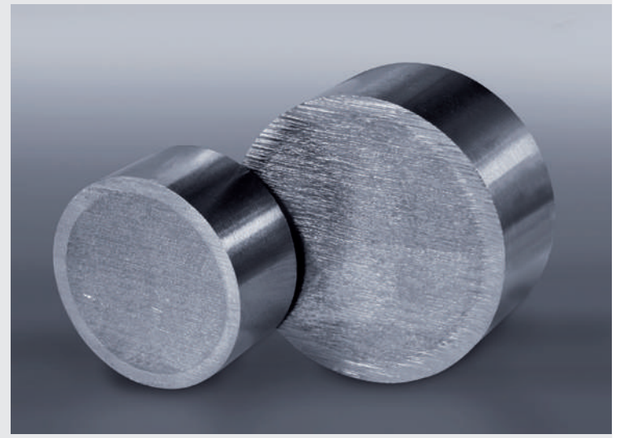
Dimensions		Tooth				
mm	inch	0,75/1,25	1/1,5	1,4/2	2/3	3/4
27 x 0,90	1 x 0,035				■	■
34 x 1,10	1 1/4 x 0,042			■	■	■
41 x 1,30	1 1/2 x 0,050			■ ■	■ ■	■ ■
54 x 1,30	2 x 0,050			■ ■	■ ■	
54 x 1,60	2 x 0,063	■ ■	■ ■	■ ■	■ ■	■ ■
67 x 1,60	2 5/8 x 0,063	■ ■	■ ■	■ ■	■ ■	
80 x 1,60	3 x 0,063	■ ■		■ ■		

■ Coated variant C-TEC optional / Ramping technology R-TEC optional

Article group 651 | Professional Plus

SILVER-LINE-N

- The expert for surface hardened workpieces
- Special blade with negative rake angle and multi chip geometry for highest cutting performance



Dimensions		Tooth		
mm	inch	1,4/2	2/3	3/4
27 x 0,90	1 x 0,035		■	■
34 x 1,10	1 1/4 x 0,042		■	■
41 x 1,30	1 1/2 x 0,050	■	■	■
54 x 1,60	2 x 0,050	■	■	■

Article group 623

Carbide Tipped

STONE-LINE-S

- The confident choice for softer construction materials like aerated concrete, insulation boards, and insulating materials
- Set Carbide Tipped Band Saw Blade with wide clearance reduces jamming and buildup of deposits

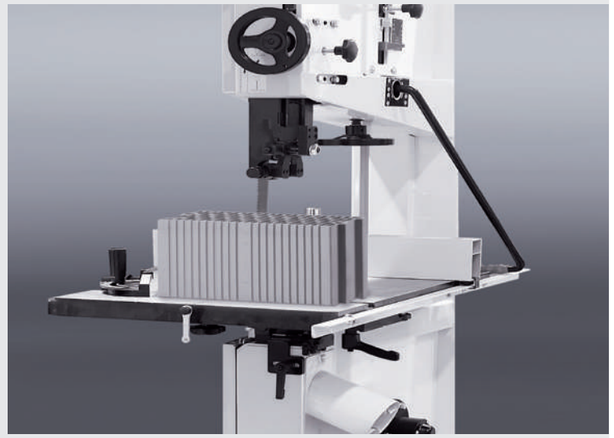
Dimensions		Tooth
mm	inch	3
27 x 0,90	1 x 0,035	■

Article group 621

Carbide Tipped

STONE-LINE-RT

- The master for hard and abrasive construction materials like solid, engineered, and perforated bricks
- Vibration-free cutting with reduced force required due to high-performance, precision-ground tooth geometry
- Perfect cutting results



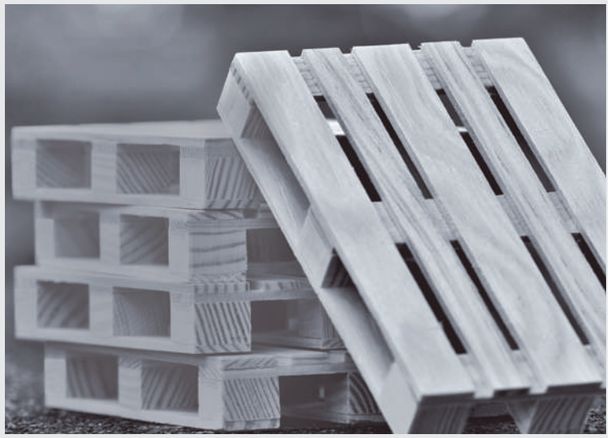
Dimensions		Tooth
mm	inch	2/3
27 x 0,90	1 x 0,035	■
34 x 1,10	1 1/4 x 0,042	■

Article group 490

Bi-Metal

PAL-CUT

- The rustic for repair and dismantling of wooden pallets
- Special tooth geometry guarantees constant performance while sawing through nails and staples



Dimensions		Tooth
mm	inch	5/8
34 x 1,10	1 1/4 x 0,042	■

Article group 100

CS-1

Flexible band back in pin-point quality with hardened teeth.
Suitable for everyday workshop purposes.

Dimensions		Tooth									
mm	inch	3	4	4	6	6	8	10	14	18	24
6 x 0,65	1/4 x 0,025	■		■		■	■	■	■	■	■
10 x 0,65	3/8 x 0,025	■		■	■	■	■	■	■	■	■
13 x 0,65	1/2 x 0,025	■		■	■	■	■	■	■	■	■
16 x 0,80	5/8 x 0,032	■		■	■		■	■	■	■	■*
20 x 0,80	3/4 x 0,032	■		■	■	■	■	■	■	■	■
25 x 0,90	1 x 0,035	■	■	■	■		■	■	■		

■ Neutral rake angle ■ Positive rake angle *= Special item

Article group 110

CS-2-PLUS

Spring hardened backer with hardened teeth.
For increased wear resistance and long tool life.

Dimensions		Tooth									
mm	inch	3	4	4	6	6	8	10	14	18	24
6 x 0,65	1/4 x 0,025			■		■		■	■	■	■
8 x 0,65	5/16 x 0,025		■	■					■		
10 x 0,65	3/8 x 0,025	■		■		■	■	■	■	■	
13 x 0,65	1/2 x 0,025	■		■	■	■	■	■	■	■	■
16 x 0,80	5/8 x 0,032	■						■	■	■*	
20 x 0,80	3/4 x 0,032	■	■	■	■		■	■*	■	■*	
25 x 0,90	1 x 0,035	■			■		■	■	■*		

■ Neutral rake angle ■ Positive rake angle *= Special item

Tension measuring device

Wrong tension of band can be the reason for crooked cuts or can cause blade breakage. Therefore, the band tension should be checked frequently. Detailed instructions explain how to select and control the right tension of the band saw blade.

Refractometer

The correct concentration of cooling liquid is important for optimum life time of ARNTZ Band Saw Blades. To check the right concentration of liquid while operating it is recommended to use the ARNTZ Refractometer.

Application toolkit

Making sure your blade runs under perfect conditions. Featuring: Tension measuring device, refractometer, tacho-meter, accessories and more.

NEW

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