Precision at the cutting point

PRODUCT OVERVIEW

PRECISION
BAND SAW BLADES

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NEW: CUBOGRIT® K 2

NEW: CUBOGRIT® S 2

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CARBIDE COATED BAND SAW BLADES

TCGRIT® K 2

TCGRIT® U 2

CARBON STEEL BAND SAW BLADES

DIAMANT 2

EXTRA 1

JET 1

TECHNICAL PRINCIPLES / APPLICATIONS

TPI SELECTION CHART

SOLIDS (FOR SMALLER SIZE PARTS)

Contact length (mm)	<20	10-30	20-50	30-60	50-90	90-150	150-300
TPI	10-14	8-12	6-10	5-8	4-6	3-4	2-3

SOLIDS (FOR BIGGER SIZE PARTS)

Contact length (mm)	300-500	400-700	500-1000	700-1200	950-3000
TPI	1.4-2	1.2-1.6	1.0-1.4	0.75-1.25	0.7-1.0

PROFILES / SECTIONS

Contact length (mm)	<20	10-40	40-70	50-90	90-160	160-310
TPI	12-16	8-11	5-7	4-6	3-4	2-3

MARATHON® M42

The All-Rounder for Small and Large Cross Sections

Application	• Industrial Applications • Medium-sized to large work pieces • All metals up to 1000 N/mm² tensile strength • Solid material • Single, layer and bundle cutting • Mixed operation
Advantages	• Long blade-life and high productivity due to excellent product characteristics • Less frequent blade changes due to broad application spectrum • Low noise levels due to highly smooth and quiet running • Lower material allowances required due to straight cuts/li> • Reduced post-processing due to finer cutting surface • Significant costs per cut savings
Features	• M42 cutting edge • Rake angle: positive(hook tooth) • Constant or variable tooth pitch with standard setting

Dimensions Width x Thickness		Tooth Pitch in tpi								
mm	Inch	3	4	5-8	4-6	3-4	2-3	1.4-2	1.0-1.4	0.75-1.25
20 x 0.90	3/4 x 0.035	K	K							
27 x 0.90	1-1/16 x 0.035	K	K	K	K	K	K			
34 x 1.10	1-3/8 x 0.042			K	K	K	K	K		
41 x 1.10	1-5/8 x 0.042				K	K	K	K		
41 x 1.30	1-5/8 x 0.050			K	K	K	K	K		
54 x 1.30	2-1/8 x 0.050				K	K	K	K		
54 x 1.60	2-1/8 x 0.063				K	K	K	K	K	
67 x 1.60	2-5/8 x 0.063				K	K	K	K	K	K
80 x 1.60	3-1/8 x 0.063						K	K	K	K
Contact length (mm)		120-200	80-120	30-60	50-90	80-150	120-150	250-500	500-800	550-1200

K = Hook tooth

PROFLEX® M42

The perfect band saw blade for profiles

Application	• Metal and steel profiles and carriers • Optimal for cutting with interrupted cutting channel.
Advantages	• Resistant to broken teeth due to extremely stable. • Tooth geometry • Low finishing due to low burr cutting edges • Less susceptible to vibration due to the special teeth form • Less broken bands due to new production procedure • Low noise emission due to variable tooth pitch and positive rake angle
Features	• Profile tooth with extremely stable tooth geometry • Variable tooth pitch • Special limitation • M42 tooth edge with positive rake angle

Dimensions Width x Thickness		Tooth Pitch in tpi								
mm	Inch	14-18	12-16	10-14	8-11	7-9	5-7	4-6	3-4	2-3
13 x 0.65	1/2 x 0.025	P		P	P	P				
13 x 0.90	1/2 - 0.035			P	P	P				
20 x 0.90	3/4 x 0.035		P	P	P	P	P	P		
27 x 0.90	1-1/16 x 0.035		P	P	P	P	P	P	P	
34 x 1.10	1-3/8 x 0.042				P	P	P	P	P	P
41 x 1.30	1-5/8 x 0.050				P	P	P	P	P	P
54 x 1.30	2-1/8 x 0.050							P	P	P
54 x 1.60	2-1/8 x 0.063							P	P	P
67 x 1.60	2-5/8 x 0.063									P
Contact length (mm)		<5	<20	<15	15-30	20-30	40-70	50-90	80-160	150-310

P = Profile tooth

WIKUS BIMETAL BAND SAW BLADES

NOVOFLEX® M42

The new generation economical band saw blade for cutting bigger size blocks.

Application	• The NOVOFLEX® M42 is the new economical solution for sawing of bigger size blocks. • Best suited for Soild Materials. • For Universal use in almost all material types. • Best suited for Engineering Steels, Free Cutting Steels. • Restricted recommendation for Profiles.
Advantage	• Very good price-performance ratio in the level 1segment • Good blade-life thanks to new production procedure • Low noise levels due to highly smooth and quiet running
Features	• M42 tooth edge with customized rake angle • Rake angle: positive (hook tooth) • Optimized Tool Geometry for cutting solid material/Bigger size blocks

Dimensions Width x Thickness		Tooth Pitch in tpi									
mm	Inch	10-14	8-11	6-10	5-7	4-6	3-4	2-3	1.4-2	1.0-1.4	0.75-1.25
27 x 0.90	1-1/16 x 0.035		P		P	P	P				
34 x 1.10	1-3/8 x 0.042				P	P					
41 x 1.30	1-5/8 x 0.050					K	K	K	K		
54 x 1.30	2-1/8 x 0.050						K	K	K	K	
67 x 1.60	2-5/8 x 0.063						K	K	K	K	K
Contact length (mm)		<20	10-30	20-50	30-60	50-90	90-150	150-200	250-500	500-800	550-1200

K = Hook tooth P = Profile tooth

CHIP BRUSHES

STEEL WIRE BRUSHES
FOR BAND SAW BLADES

NYLON WIRE BRUSHES
FOR BAND SAW BLADES

Band saw Chip brushes are essential to the longevity and cost-effectiveness of band saws and sawing machines.
WIKUS Chip brushes are a very cost effective method of extending the blade life.

Select brushes in various sizes available for Steel Wire Brush and Nylon Wire Brush

SKALAR® M42

The High-performer for large cross-section

Applications	• Large blocks in industrial production • Especially for mixing programs with a large material mix • Also for difficult-to-machine non-ferrous special alloys • All metals up to a tensile strength of 1000 N/mm2can be used
Advantages	• Extremely high cutting rates even with large cross sections and in continuous operation • Short cutting time, lower cutting forces • Smooth running and straight cutting surfaces • Wide variety of materials to be machined32 • Less frequent blade changes, higher machine availability and output
Features	• High productivity and efficiency due to specially designed cutting geometry • Ground contour with specially matched tooth pitch • M42 cutting edge with extra positive rake angle • Special set for optimal chip division • Stability increases in the backing material • Excellent chip removal at contact lengths of 2000mm

Dimensions Width x Thickness		Tooth Pitch in tpi					
mm	Inch	2.5-3.4	1.8-2.5	1.4-1.8	1.2-1.6	1.0-1.4	0.7-1.0
27 x 0.90	1-1/16 x 0.035	K					
34 x 1.10	1-3/8 x 0.042	K	K				
41 x 1.30	1-5/8 x 0.050	K	K	K			
54 x 1.30	2-1/8 x 0.050	K	K	K			
54 x 1.60	2-1/8 x 0.063	K	K	K	K	K	
67 x 1.60	2-5/8 x 0.063			K	K	K	K
80 x 1.60	3-1/8 x 0.063				K	K	K
Contact length (mm)		90-200	200-340	340-530	350-600	500-800	800-2000

K = Hook tooth

SELEKTA® GS M42

High performance with Superfinishing

Applications	• Metals up to 1000 N/mm² tensile strength • High cutting rate with small and large solid material
Advantages	• Low finishing due to perfect surface quality • Low material allowance by exact gating • Short cutting time by high performance
Features	• Patented performance and surface teeth • M42 cutting edge with extra positive rake angle

Dimensions Width x Thickness		Tooth Pitch in tpi				
mm	Inch	4-6	3-4	2-3	1.4-2	1.0-1.4
27 x 0.90	1-1/16 x 0.035	K	K	K		
34 x 1.10	1-3/8 x 0.042	K	K	K		
41 x 0.90	1-5/8 x 0.050			K		
41 x 1.30	1-5/8 x 0.050	K	K	K	K	
54 x 1.30	2-1/8 x 0.050		K	K	K	
54 x 1.60	2-1/8 x 0.063		K	K	K	K
67 x 1.60	2-5/8 x 0.063				K	K
80 x 1.60	3-1/8 x 0.063				K	K
Contact length (mm)		50-90	90-150	120-250	250-500	500-800

K = Hook tooth

PRIMAR® M42

The versatile tool for small and medium workpieces

Applications	• Workshop and lighter industrial applications • Small to medium cross-sections with diameters up to 900 mm • Small lot sizes • Solid materials and profiles • All metals up to 1000 N/mm² tensile strength
Advantages	• Very good price-performance ratio in the level 1segment • Less frequent blade changes due to a wide range of applications and thus less downtime • and waiting times • Good blade-life thanks to new production procedure • Low noise generation due to variable tooth pitch • Good cutting surface due to precise set of the teeth
Features	• M42 tooth edge with customized rake angle • Rake angle: positive (hook tooth) • Rake angle: 0° (standard tooth) • Constant or variable tooth pitch with standard setting

Dimensions Width x Thickness		Tooth Pitch in tpi						
mm	Inch	10-14	8-12	6-10	5-8	4-6	3-4	2-3
6 x 0.65	1 /4 x 0.025	S						
6 x 0.90	1 /4 x 0.035	S						
10 x 0.90	3 / 8 x 0.035	S						
13 x 0.65	1 /2 x 0.025	S	S	S				
20 x 0.90	3 /4 x 0.035	S	S	S	S	K		
27 x 0.90	1-1/16 x 0.035	S	S	S	S	K	K	
34 x 1.10	1-3/8 X 0.042		S	S	S	K	K	K
Contact length (mm)		<20	10-30	20-50	30-60	50-90	80-150	80-150

S = Standard tooth K = Hook tooth

BASIC® M42

The well-priced band saw blade for numerous cutting application

Applications	Economical blade for the price sensitive segment Suitable for simple and easy cutting applications
Advantages	Suitable for cutting a wide range of materials
Features	Constant and Variable Tooth Pitch with Standard Setting

Dimensions Width x Thickness		Tooth Pitch in tpi								
mm	Inch	10-14	8-12	6-10	5-8	4-6	3-4	2-3	1.4-2	1.0-1.4
20 x 0.90	3/4 x 0.035	S	S	S	S	K				
27 x 0.90	1-1/16 x 0.035	S	S	S	S	K	K			
34 x 1.10	1-3/8 x 0.042		S	S	S	K	K	K		
41 x 1.30	1-5/8 x 0.050					K	K	K		
54 x 1.60	2-1/8 x 0.063						K	K	K	
67 x 1.60	2-5/8 x 0.063							K	K	K
Contact length (mm)		<20	10-30	20-50	30-60	50-90	90-150	120-250	250-500	500-800

S = Standard tooth K = Hook tooth

SKALAR® PREMIUM M42

High performance and extra blade-life

Application	High cutting rate, also continuous opration in large sawmills All metals with a tensile strength up to 1000N/mm2
Advantage	Long Lifetime, smooth running with low vibration Reliable and efficient multiple-machine operation
Features	Tooth edge with special coating, back edge coating for less friction

Dimensions Width x Thickness		Tooth Pitch in tpi					
mm	Inch	2.5-3.4	1.8-2.5	1.4-1.8	1.2-1.6	1.0-1.4	0.7-1.0
27 x 0.90	1-1/16 x 0.035	K					
34 x 1.10	1-3/8 x 0.042	K	K				
41 x 1.30	1-5/8 x 0.050	K	K				
54 x 1.30	2-1/8 x 0.050	K					
54 x 1.60	2-1/8 x 0.063	K	K	K	K		
67 x 1.60	2-5/8 x 0.063			K	K	K	
80 x 1.60	3-1/8 x 0.063				K	K	K
Contact length (mm)		90-200	200-340	340-530	350-600	500-800	800-2000

K = Hook tooth

SELEKTA® GS PREMIUM M42

High performance, Superfinishing and blade-life

Application	For increased cutting rate and blade-life in solid material Metals up to 1400N/mm² tensile strenght
Advantage	Low finishing due to perfect surface quality Low material allowance by exact gating Smooth, low vibration and very long runing
Features	Patented performance and surface teeth Tooth edge with special coating, back edge coating for less friction

Dimensions Width x Thickness		Tooth Pitch in tpi				
mm	Inch	4-6	3-4	2-3	1.4-2	1.0-1.4
34 x 1.10	1-3/8 x 0.042		K			
41 x 1.30	1-5/8 x 0.050		K			
54 x 1.60	2-1/8 x 0.063			K	K	
67 x 1.60	2-5/8 x 0.063				K	
80 x 1.60	3-1/8 x 0.063					K
Contact length (mm)		50-90	90-150	120-250	250-500	500-1000

K = Hook tooth

WIKUS CARBIDE TIPPED BAND SAW BLADES

DUROSET®

The robust all-rounder for increased performance

Application	• All steels, suitable for forged and scaled surfaces • Cast iron and aluminum bronze • Also suitable for tempered materials with tensile strength greater than 1000N/mm 2 • Solid material and thick-walled tubes
Advantages	• Universal use on standard band saw machines(without carbide package) • Significant increase in productivity of the machine park • Robust design for high wear resistance • Low vibration and smooth running
Features	• Set tooth geometry with positive rake angle at variable tooth pitch • Optimized sectional chip division

Dimensions Width x Thickness		Tooth Pitch in tpi					
mm	Inch	3	2.5-3.4	1.8-2.5	1.4-1.8	1.0-1.4	0.7-1
27 x 0.90	1-1/16 x 0.035	K	K	K			
34 x 1.10	1-3/8 x 0.042		K	K			
41 x 1.30	1-5/8 x 0.050		K	K	K		
54 x 1.30	2-1/8 x 0.050		K	K			
54 x 1.60	2-1/8 x 0.063			K	K		
67 x 1.60	2-5/8 x 0.063				K	K	
80 x 1.60	3-1/8 x 0.063					K	K
100 x 1.60	4 x 0.063						K
Contact length (mm)		120-200	90-200	200-340	340-530	500-800	800-2000

K = Hook tooth

ECODUR®

The low cost band saw blade for non-ferrous foundries

Application	• Cutting gates and risers on non-ferrous castings • Aluminum and aluminum alloys as solid materials or profiles • Copper and copper alloys as solid materials or profiles • Aluminum round bars, blocks and precision plates
Advantages	• Very good price-performance-ratio • High productivity due to short cutting times • Carbide cutting edge with high resistance to abrasive wear and thus high blade-life • Good cutting surface for minimal finishing
Features	• Tooth edges made of specific carbide against abrasive wear • Polished trapezoid tooth with positive rake angle and thus clean and fast • separation of solid materials • Patented chip division for high productivity and blade-life as well as good cutting • surface quality

Dimensions Width x Thickness		Tooth Pitch in tpi				
mm	Inch	3	3-4	2-3	1.4-2	0.85 - 1.15
13 x 0.65	1/2 x 0.025	T				
13 x 0.80	1/2 - 0.032		T			
20 x 0.80	3/4 x 0.035		T			
27 x 0.90	1-1/16 x 0.035		T	T		
34 x 1.10	1-3/8 x 0.042		T	T	T	
41 x 1.30	1-5/8 x 0.050		T	T	T	
54 x 1.30	2-1/8 x 0.050			T	T	
54 x 1.60	2-1/8 x 0.063			T	T	T
67 x 1.60	2-5/8 x 0.063				T	
Contact length (mm)		120-200	80-170	130-250	250-500	700-1200

T= Trapezoid tooth

WIKUS CARBIDE TIPPED BAND SAW BLADES

FUTURA® 3

The powerful best seller band saw blade

Application	• Case-hardening, tempering and tool steels • Suitable for multiple cuts in the material mix
Advantages	• Very high cutting performance and thus productivity • High wear resistance and thus long lifetime • Very smooth and quiet running, low cutting forces and straight cuts
Features	• Polished trapezoid tooth with positive rake angle • Optimized chip division

Dimensions Width x Thickness		Tooth Pitch in tpi						
mm	Inch	3-4	2-3	1.7-2	1.4-2	1.2-1.6	1.0-1.4	0.85-1.15
27 x 0.90	1-1/16 x 0.035	T						
34 x 1.10	1-3/8 x 0.042	T	T					
41 x 1.30	1-5/8 x 0.050	T	T	T	T			
54 x 1.30	2-1/8 x 0.050		T		T			
54 x 1.60	2-1/8 x 0.063		T	T	T	T	T	
67 x 1.60	2-5/8 x 0.063		T		T	T	T	T
80 x 1.60	3-1/8 x 0.063				T		T	T
Contact length (mm)		90-150	130-250	250-300	250-400	350-600	500-800	700-1200

T = Trapezoid tooth

TAURUS® 1

The inexpensive entry-level band saw blade with great features

Application	• All steels and non-ferrous metals • Solid material
Advantages	• Inexpensive carbide band saw blade with multiple uses. • Also for band saw machines without carbide package. • Productivity increase in the event of capacity bottlenecks • Low post-processing due to good cut surface quality
Features	• Innovative tooth geometry • Proven carbide cutting material • High cutting rate due to trapezoid tooth with positive rake angle • Variable tooth pitch

Dimensions Width x Thickness		Tooth Pitch in tpi					
mm	Inch	3-4	2-3	1.7-2	1.4-2	1.0-1.4	0.7-1.0
27 x 0.90	1-1/16 x 0.035	T	T				
34 x 1.10	1-3/8 x 0.042	T	T				
41 x 1.30	1-5/8 x 0.050	T	T	T	T		
54 x 1.30	2-1/8 x 0.063	T	T	T	T		
54 x 1.60	2-1/8 x 0.063	T	T	T	T		
67 x 1.60	2-5/8 x 0.063			T	T	T	
80 x 1.60	3-1/8 x 0.063				T	T	T
Contact length (mm)		90-150	130-250	200-300	250-500	500-800	800-2000

T = Trapezoid tooth

Wiserve

The service offering from WIKUS

For all kinds of Band Saw Machines

OUR PRODUCTS / OFFERS

- AMC – ANNUAL MAINTENANCE CONTRACT
- PREVENTIVE MAINTENANCE
- OVERHAULING OF MACHINES
- REPAIR / BREAKDOWN MAINTENANCE
- MODIFICATION RELATED PROJECTS

AMC - ANNUAL MAINTENANCE CONTRACT

SILVER	GOLD	PLATINUM
PREVENTIVE MAINTENANCE*	PREVENTIVE MAINTENANCE* + OVERHAULING OF MACHINE** (1 time)	PREVENTIVE MAINTENANCE* + OVERHAULING OF MACHINE** (1 time) + REPAIR CALLS** (2/year)

* Would involve replacement of the worn out parts which will need to be provided by the Customer

** Maximum 2 days for this activity are covered under this package.

For additional information on the same please refer the Terms and Conditions section.

YOUR BENEFITS

"Prevention is Better than cure."

"Spend on Maintenance Save on repair."

"Well Maintained Machine = Reduced Blade Consumption."

- **Level 1**
  Standard band saw blades that can be used universally
- **Level 2**
  Band saw blades that offer high performance
- **Level 3**
  High-tech band saw blades that meet the highest standards
- **Special**
  Special products for use in high-perfirmance sawing technology and very special applications

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Access is free for WIKUS customers. Please register under
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Headquarters in Spangenberg, Germany

WIKUS-Sägenfabrik
Wilhelm H. Kullmann GmbH & Co. KG

Melsunger Str. 30
34286 Spangenberg, Germany

Phone: +49 5663 500-0
Fax: +49 5663 500-57
www.wikus.de

Innovative precision tools designed and manufactured in Spangenberg, Germany

Precision at the cutting point

WIKUS INDIA PVT. LTD.

Plot No. PAP-A-38, Chakan Industrial Area Ph-IV
MIDC, Village Nighoje, Taluka Khed,
410501 Pune India

Phone (02135) 623500
sales@wikus-india.in

www.wikus-india.in

Precision at the cutting point

PRECISION SAWING TOOLS

STATUS: 13.08.2024

Precision at the cutting point

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MARATHON® X3000®

— The special band saw blade for high-strength and difficult-to-cut materials

Product level 2

Hook tooth

Profiles + Solid materials

Band witdh 27 x 0.9 - 67 x 1.6mm
Band witdh 1-1/16 x 0.035 - 2-5/8 x 0.063 Inch

Product Information

MARATHON® X3000® — The special band saw blade for high-strength and difficult-to-cut materials

For the sawing of high-alloyed, difficult-to-machine materials as well as tempered steels (over 1000 N /mm² tensile strength), WIKUS has developed the cutting material X3000®.

X3000® is characterized by its high hardness and excellent toughness. This combination of material properties results in a particularly good cutting edge stability with MARATHON® X3000®.

In combination with the carrier band made of alloyed tempering steel, the MARATHON® X3000® bimetal band saw blade achieves outstanding continuous operation properties.

Advantages

- Good blade-life despite difficult-to-machine materials
- Low material loss due to good cutting section flatness
- High wear resistance with hard materials
- Cost savings due to less frequent blade changes
- Excellent continuous operation properties
- Excellent cutting quality due to highly smooth and quiet running

Features

- Tooth edge made of the cutting material X3000® with positive rake angle
- High cutting edge stability and high wear resistance
- Variable tooth pitch and standard set

Application Range

Application

- High-alloy austenitic materials
- Steels from 1000 N/mm² tensile strength
- Scaled forging ingots

Technical Data

Dimensions		Tooth pitch in tpi				
Width x thickness						
mm	Inch	5 - 8	4 - 6	3 - 4	2 - 3	1.4 - 2
27 x 0.90	1-1/16 x 0.035	K	K	K		
34 x 1.10	1-3/8 x 0.042		K	K	K	
41 x 1.30	1-5/8 x 0.050		K	K	K	
54 x 1.60	2-1/8 x 0.063			K	K	K
67 x 1.60	2-5/8 x 0.063			K	K	K
Contact length	[mm] [Inch]	30-60 1.2-2.4	50-100 2-3.9	80-170 3.1-6.7	150-300 5.9-11.8	250-550 9.8-21.6

K = Hook tooth

Materials Overview

- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Duplex and heat-resistant steels
- Aluminium bronzes

SKALAR® X3000®

The high-performer for high-strength materials

Product level 3

Hook tooth

Solid materials

Band width 27 x 0.9 - 100 x 1.6mm
Band width 1-1/16 x 0.035 - 4 x 0.063 Inch

Product Information

SKALAR® X3000® — The high-performer for high-strength materials

The modified X3000® cutting material enables high-strength materials and special alloys to be cut precisely. This cutting material, available exclusively from WIKUS, combines even higher tooth tip hardness and wear resistance with excellent toughness compared to the M42 cutting material.

In combination with the carrier band made of alloyed tempering steel, the SKALAR® X3000® bimetal band saw blade achieves outstanding continuous operation properties.

Application

- High cutting performance with high-alloy austenitic materials
- Continuous operation on large sawmills and on large blocks
- Especially for mixing programs with a large material mix
- Also for difficult-to-machine non-ferrous special alloys
- ESU material, materials above 1000 N/mm^2 tensile strength

Advantages

- High productivity due to excellent cutting rates
- Lower cutting forces, smooth running and straight cutting surfaces
- Optimal tip geometry for chip division
- Fewer blade changes due to increased blade-life

Features

- Ground contour with specially matched tooth pitch
- Tooth edge made of the cutting material X3000 ® with positive rake angle
- Special set for optimal chip division
- High hardness, wear resistance and toughness due to the cutting material X3000®

Technical Data

Dimensions Width x thickness		Tooth pitch in tpi					
mm	**Inch**	**2.5 - 3.4**	**1.8 - 2.5**	**1.4 - 1.8**	**1.2 - 1.6**	**1 - 1.4**	**0.7 - 1**
27 x 0.90	1-1/16 x 0.035	K					
34 x 1.10	1-3/8 x 0.042	K	K				
41 x 1.30	1-5/8 x 0.050	K	K	K			
54 x 1.30	2-1/8 x 0.050		K				
54 x 1.60	2-1/8 x 0.063		K	K			
67 x 1.60	2-5/8 x 0.063		K	K		K	K
80 x 1.60	3-1/8 x 0.063			K	K	K	K
100 x 1.60	4 x 0.063						K
Contact length	**[mm]** **[Inch]**	100-220 3.9-8.7	180-350 7.1-13.8	300-600 11.8-23.6	400-700 15.7-27.6	500-1000 19.7-39.4	900-2000 35.4-78.7

K = Hook tooth

Materials Overview

- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Aluminium bronzes

SELEKTA® GS X3000®

High performance with Superfinishing for materials difficult to cut

Product level 3

Hook tooth

Solid materials

Band width 27 x 0.9 - 80 x 1.6mm
Band width 1-1/16 x 0.035 - 3-1/8 x 0.063 Inch

Product Information

SELEKTA® GS X3000® — High performance with Superfinishing for materials difficult to cut

High- and ultra-high-alloy materials are a particu- lar challenge for sawing tools. Our response: the SELEKTA® GS X3000®. The bimetal band saw blade with a special tooth sequence and ground guide teeth enables maximum surface quality and straightness in high-performance applications with hard-to-cut materials.

Applications

- Rust- and acid-resistant steels and alloys (austenitic)
- Duplex and heat-resistant steels
- For outstanding demands in surface quality and gating

Advantages

- Excellent productivity by short cutting times
- Fewer blade changes due to increased blade-life
- Perfect surfaces for low finishing

Features

- Tooth edge made of the cutting material X3000® with positive rake angle
- High cutting edge stability and high wear resistance
- Patented performance and surface teeth

Technical Data

Dimensions		Tooth pitch in tpi					
Width x thickness							
mm	Inch	4 - 6	3 - 4	2 - 3	1.4 - 2	1 - 1.4	0.7 - 1
27 x 0.90	1-1/16 x 0.035	K	K	K			
34 x 1.10	1-3/8 x 0.042	K	K	K			
41 x 1.30	1-5/8 x 0.050	K	K	K	K		
54 x 1.30	2-1/8 x 0.050				K		
54 x 1.60	2-1/8 x 0.063		K		K		
67 x 1.60	2-5/8 x 0.063			K	K	K	K
80 x 1.60	3-1/8 x 0.063						
Contact length	**[mm]** **[Inch]**	50-100 2-3.9	80-170 3.1-6.7	150-300 5.9-11.8	250-550 9.8-21.6	500-1000 19.7-39.4	900-2000 35.4-78.7

K = Hook tooth

Materials Overview

- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Aluminium bronzes

Precision at the cutting point

WIKUS-Sägenfabrik
Wilhelm H. Kullmann GmbH & Co. KG

Melsunger Str. 30
34286 Spangenberg, germany

Tel.: +49 5663 500-0

www.wikus.de
info@wikus.de

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Innovative precision tools designed and manufactured in Spangenberg, Germany