



PRODUCT OVERVIEW

PRECISION BAND SAW BLADES

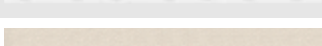
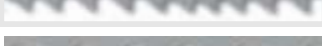


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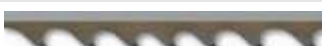
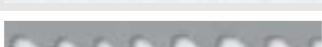
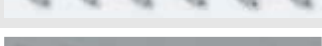
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BLADE SELECTOR

BIMETAL BAND SAW BLADES

	NEW RANGE: MARATHON® M42 / MARATHON® SW M42	
	NEW RANGE: PROFLEX® M42 / PROFLEX® PREMIUM M42	
	PROFLEX® SW M42 / PROFLEX® PREMIUM SW M42	
	SKALAR® M42 / SKALAR® PREMIUM M42	
	SELEKTA® GS M42 / SELEKTA® GS PREMIUM M42	
	NEW RANGE: PRIMAR® M42	
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	SKALAR® X3000®	
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CARBIDE TIPPED BAND SAW BLADES

	DUROSET® / DUROSET® PREMIUM	
	FUTURA® / FUTURA® PREMIUM	
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	TAURUS® / TAURUS® PREMIUM	
	FUTURA® VA / FUTURA® PREMIUM VA	
	FUTURA® 718	
	ECODUR®	
	DUROSET® NE	
	FUTURA® NE / FUTURA® NE RS	
	ARION® FG / ARION® PG	
	ARION® EG	
	FUTURA® SN / FUTURA® PREMIUM SN	
	TCT®	
	TCTYRE®	

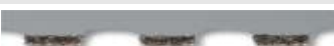
CONTENTS

BLADE SELECTOR

DIAMOND COATED BAND SAW BLADES

	DIAGRIT® K / DIAGRIT® K VA	
	DIAGRIT® S / DIAGRIT® S VA	
	DIAGRIT® U / DIAGRIT® U VA	

CBN-COATED BAND SAW BLADES

	NEW: CUBOGRIT® K	
	NEW: CUBOGRIT® S	
	NEW: CUBOGRIT® U	

CARBIDE COATED BAND SAW BLADES

	TCGRIT® K	
	TCGRIT® U	

CARBON STEEL BAND SAW BLADES

	DIAMANT	
	EXTRA	
	JET	

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

WIKUS BIMETAL BAND SAW BLADES

MARATHON® M42

The All-Rounder for Small and Large Cross Sections



- | | |
|--------------------|---|
| Application | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • M42 cutting edge • Rake angle: positive(hook tooth) • Constant or variable tooth pitch with standard setting |

Dimensions		Tooth Pitch in tpi								
Width x Thickness										
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 | <ul style="list-style-type: none"> • Metal and steel profiles and carriers • Optimal for cutting with interrupted cutting channel. |
| Advantages | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Profile tooth with extremely stable tooth geometry • Variable tooth pitch • Special limitation • M42 tooth edge with positive rake angle |

Dimensions		Tooth Pitch in tpi								
Width x Thickness										
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 Solid 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 1 segment
- 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		Tooth Pitch in tpi									
Width x Thickness		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
mm	Inch										
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/mm² can 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 machined
- 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		Tooth Pitch in tpi					
Width x Thickness 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		Tooth Pitch in tpi				
Width x Thickness 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

WIKUS BIMETAL BAND SAW BLADES

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 1 segment
- 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

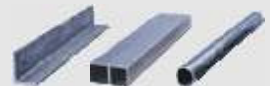
Dimensions		Tooth Pitch in tpi						
Width x Thickness		10-14	8-12	6-10	5-8	4-6	3-4	2-3
mm	Inch							
6 x 0.65	1 / 4 x 0.025	S						
6 x 0.90	1 / 4 x 0.035	S						
10 x 0.90	3 / 8 x 0.035	S						
13 x 0.65	1 / 2 x 0.025	S	S	S				
20 x 0.90	3 / 4 x 0.035	S	S	S	S	K		
27 x 0.90	1-1/16 x 0.035	S	S	S	S	K	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		Tooth Pitch in tpi								
Width x Thickness		10-14	8-12	6-10	5-8	4-6	3-4	2-3	1.4-2	1.0-1.4
mm	Inch									
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 operation 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		Tooth Pitch in tpi					
Width x Thickness							
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 strength

Advantage

Low finishing due to perfect surface quality
Low material allowance by exact gating
Smooth, low vibration and very long running

Features

Patented performance and surface teeth
Tooth edge with special coating, back edge coating for less friction

Dimensions		Tooth Pitch in tpi				
Width x Thickness						
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/mm²
- 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		Tooth Pitch in tpi					
Width x Thickness							
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		Tooth Pitch in tpi				
Width x Thickness						
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® 

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		Tooth Pitch in tpi						
Width x Thickness 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				
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® 

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		Tooth Pitch in tpi					
Width x Thickness 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



PREVENTIVE
MAINTENANCE*

GOLD



PREVENTIVE
MAINTENANCE*
+
OVERHAULING OF
MACHINE**
(1 time)

PLATINUM



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.

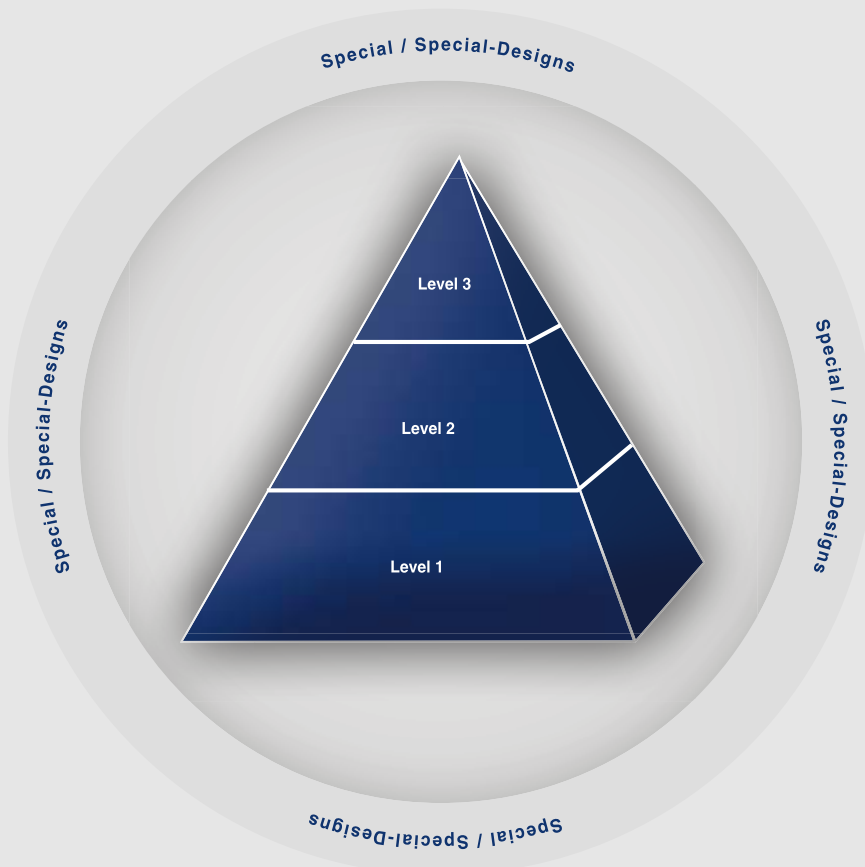
For additional information on the same please refer the Terms and Conditions section.

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-performance sawing technology and very special applications



ParaMaster® 4.0

FOR CUTTING PARAMETER RECOMMENDATIONS PLEASE REFER OUR ONLINE TOOL

Our Online Services

Our innovative cutting data program ParaMaster® 4.0 supports you effectively in optimizing your cutting processes.

Your benefit:

- Recommendation of suitable cutting parameter
- Broad data base with more than 150,000 materials, more than 4,000 band sawing machines, extensive applications and much more.
- User-friendly: all information at a glance, intuitive user interface
- Cutting cost analysis shows potential savings

Access is free for WIKUS customers. Please register under www.paramaster.de





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www.wikus.de



Innovative precision tools
designed and manufactured
in Spangenberg, Germany





Precision at the cutting point

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