

**SÄGE  
VOLU  
TION** **1950  
2023**

**2023**



**VALUE ADDED CUTTING**



# **PRODUCT RANGE 2023**

---

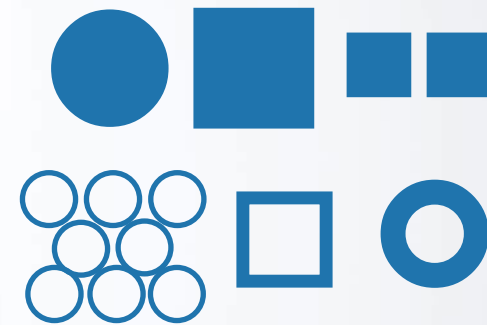
**METAL BANDSAW BLADES**

  
MADE IN GERMANY

Stand 01/2023

# → Products

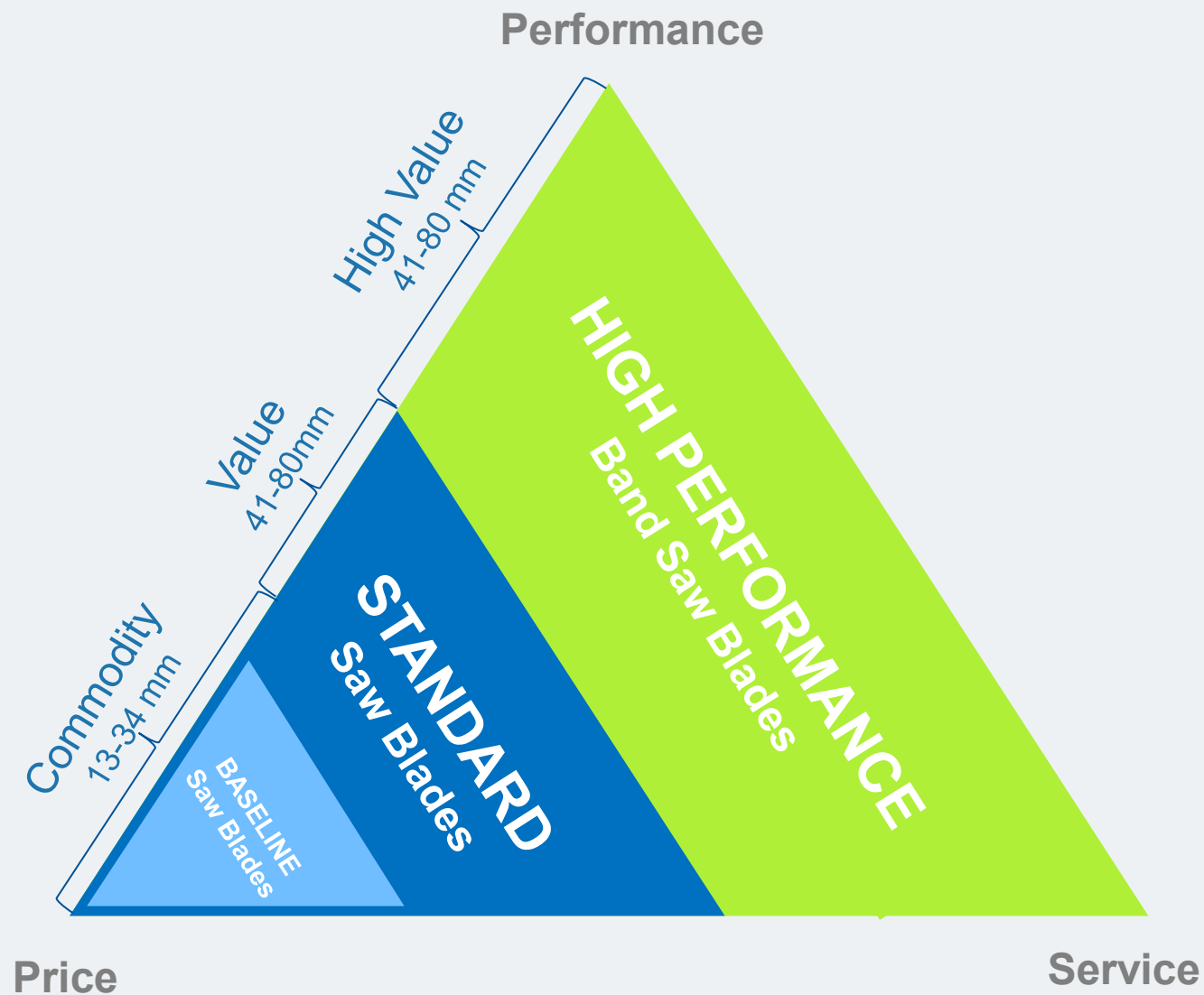
Metal saw blades for every application



**H L U O**



# → Sawing Concept



# → Product Range

machinability / material resistance

GALAXY HMD/HMS

EVOTEC SCL

SCL GT

**NEW**

SUPER SCL

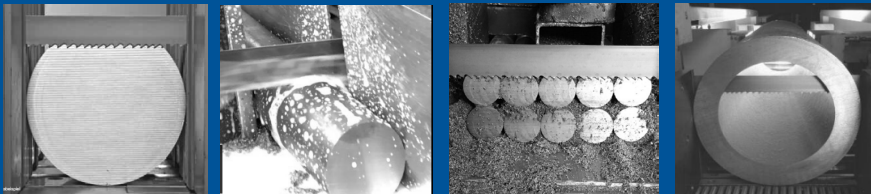
CROSSTEC

**NEW**

BITEC ONE

XENOTEC

XTREMA



MATERIAL FORM – SOLID MATERIAL



MATERIAL FORM – PROFILE



# M42 BASELINE

BI-METAL - BASELINE



## M42 BASE Product Group 430

inch	mm/TPI	14	10/14	8/12	6/10	5/8
1/2	13x0,65	■	■	■	■	
1/2	13x0,90	■		■	■	
3/4	20x0,90		■	■	■	■
1	27x0,90		■	■	■	■
1 1/4	34x1,10				■	■
1 1/2	41x1,30					■



### Specifications

- ✓ M42 HSS
- ✓ 0° Rake Angle
- ✓ Standard tooth form N
- ✓ Suitable for small to medium dimensions

## M42 BASE plus Product Group 432

inch	mm/TPI	4/6	3/4	2/3	1,4/2
1	27x0,90	■	■	■	
1 1/4	34x1,10	■	■	■	
1 1/2	41x1,30	■	■	■	■
2	54x1,60			■	■

### Specifications

- ✓ M42 HSS
- ✓ 9° Rake Angle
- ✓ Variable tooth form Positive
- ✓ Suitable for medium to large dimensions

## M42 BASE pro Product Group 434

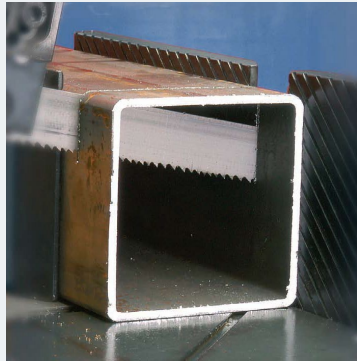
inch	mm/TPI	5/7	4/6	3/4
3/4	20x0,90		■	
1	27x0,90	■	■	■
1 1/4	34x1,10	■	■	■

### Specifications

- ✓ M42 HSS
- ✓ 7° Rake Angle
- ✓ Turtle back Tooth form
- ✓ Suitable for material mix

# → BITEC ONE

BI-METAL - STANDARD

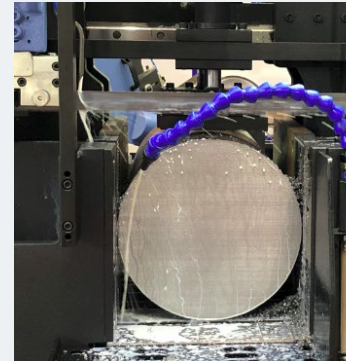


### Application:

- ✓ Small dimensions & profiles
- ✓ Easily machinable materials

### Advantages:

- ✓ Vibration reduced sawing
- ✓ Conventional tooth geometry



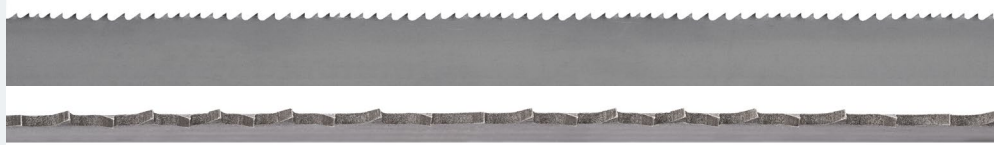
### Application:

- ✓ Medium to large dimensions & profiles
- ✓ Easy to medium machinable materials

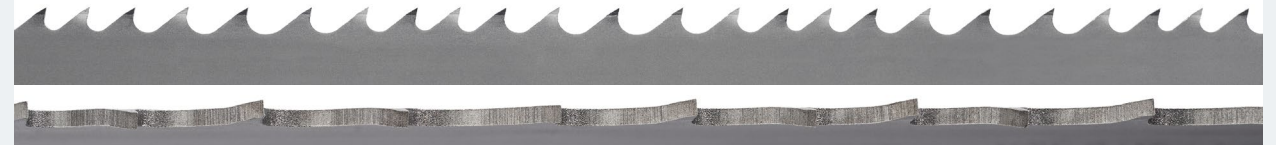
### Advantages:

- ✓ Vibration reduced sawing
- ✓ positive tooth geometry

Inch	mm/TPI	Product Group 450 0° Rake Angle						
		18	14	10	10/14	8/12	6/10	5/8
1/4	6x0,90		■	■	■			
3/8	10x0,90		■	■	■			
1/2	13x0,65	■	■	■	■	■	■	
1/2	13x0,90		■	■	■	■	■	
3/4	20x0,90		■		■	■	■	■
1	27x0,90		■		■	■	■	■
1 1/4	34x1,10							■
1 1/2	41x1,30							■
2	54x1,30							
2	54x1,60							
2 5/8	67x1,60							
3 1/8	80x1,60							



Product Group 452 Positiv Rake Angle										
6	4	4/6	3	3/4	2	2/3	1,25	1,4/2	1,1/1,4	0,75/1,25
■										
■	■									
■	■		■							
■		■	■	■	■	■				
		■		■		■	■			
		■		■		■	■	■		
		■		■		■	■	■	■	■
		■		■		■	■	■	■	■

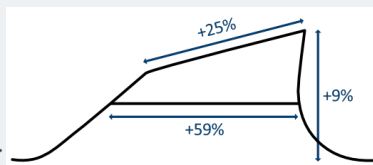


# → XENOTEC

BI-METAL - STANDARD



XENOTEC		Produktgruppe 454						
Zoll	mm/ZpZ	12/16	8/11	6/9	5/7	4/6	3/4	2/3
3/4	20	■	■	■	■	■		
1	27	■	■	■	■	■	■	■
1 1/4	34		■	■	■	■	■	■



### Specs:

- ✓ 2° - 9° Rake angle
- ✓ Reinforced tooth form

### Application:

- ✓ Small dimensions & thin-walled profiles
- ✓ Bundle or single cut
- ✓ Easily machinable materials

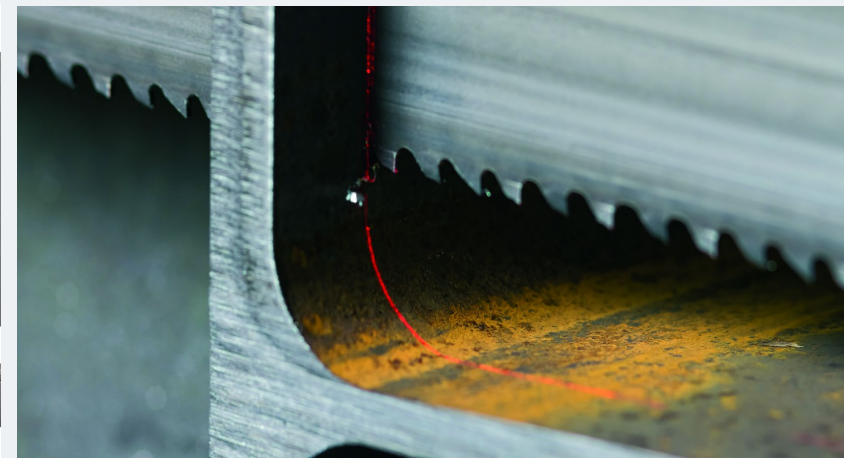
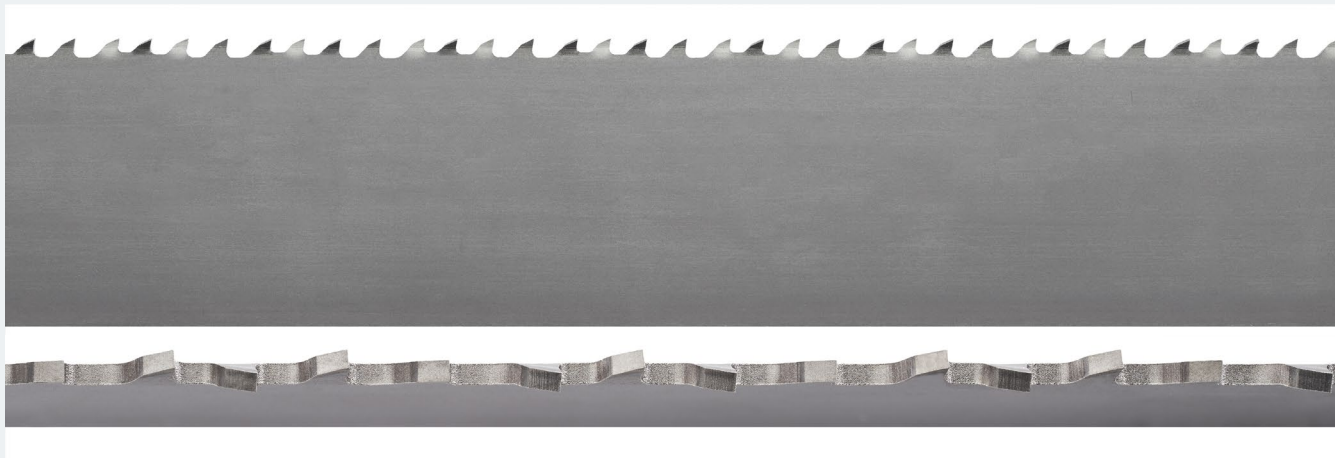
### Advantages:

- ✓ Quiet cut
- ✓ Protection against tooth breaking
- ✓ High wear resistance
- ✓ Wide range of applications



# XTREMA

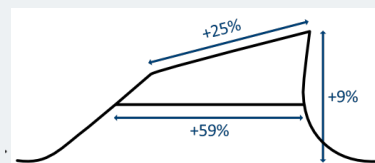
BI-METAL - STANDARD



## XTREMA

Product Group 456

Inch	mm/TPI	4/6	3/4	2/3
1 1/2	41x1,30	■	■	■
2	54x1,60	■	■	■
2 5/8	67x1,60		■	■
3 1/8	80x1,60		■	■



### Specs:

- ✓ 9° Rake angle
- ✓ Reinforced tooth form

### Application:

- ✓ Beams and profiles
- ✓ Large Beams with inherent tension
- ✓ Bundle or single cut
- ✓ Easily machinable materials

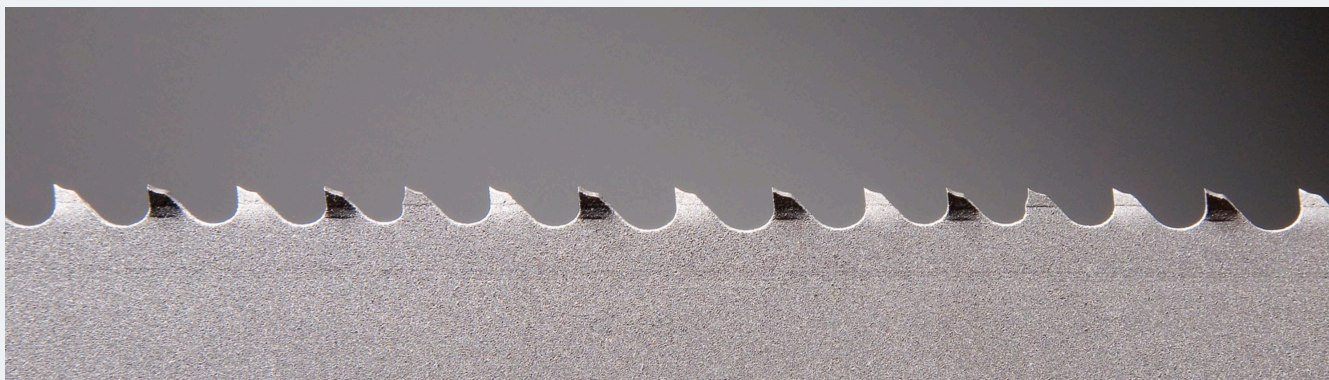
### Advantages:

- ✓ Quiet cut
- ✓ Protection against tooth breaking
- ✓ High wear resistance
- ✓ Extra heavy set



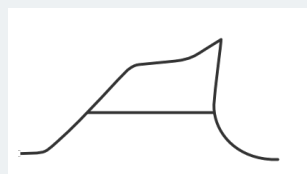
# → CROSSTEC

BI-METAL - STANDARD



## CROSSTEC NEW Product Group 455

Inch	mm/TPI	5/7	4/6	3/4	2/3
1	27x0,90	■	■	■	■
1 1/4	34x1,10	■	■	■	■
1 1/2	41x1,30		■	■	■
2	54x1,60			■	■



### Specs:

- ✓ 6° - 8° Rake angle
- ✓ reinforced tooth back

### Application:

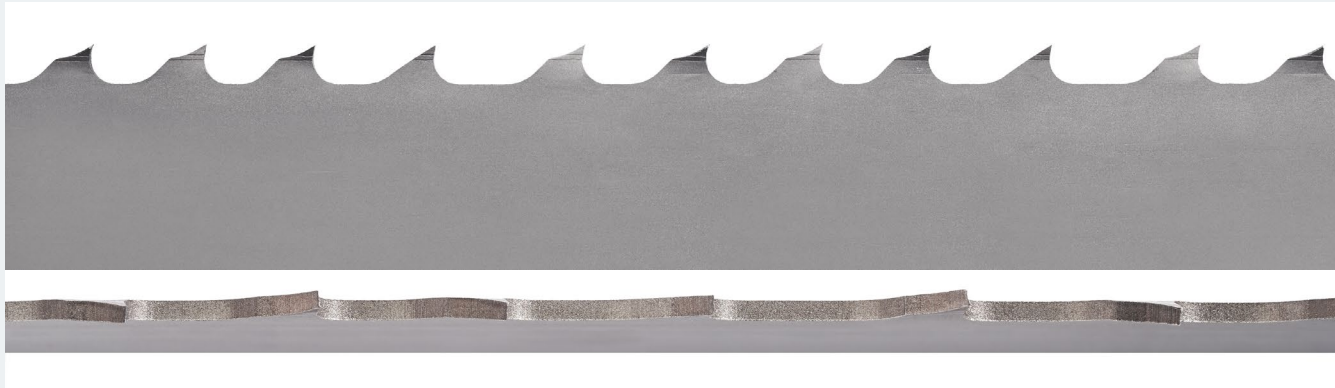
- ✓ Mix-Material – Solid to profile/tube
- ✓ Structural steel
- ✓ Bundle or single cut
- ✓ Easily machinable materials

### Advantages:

- ✓ optimized blade life for tubes and profiles
- ✓ high cutting accuracy, also for stainless steel tubes and profiles
- ✓ reinforced tooth back and thus high resistance against tooth breaking

# → SUPER SCL

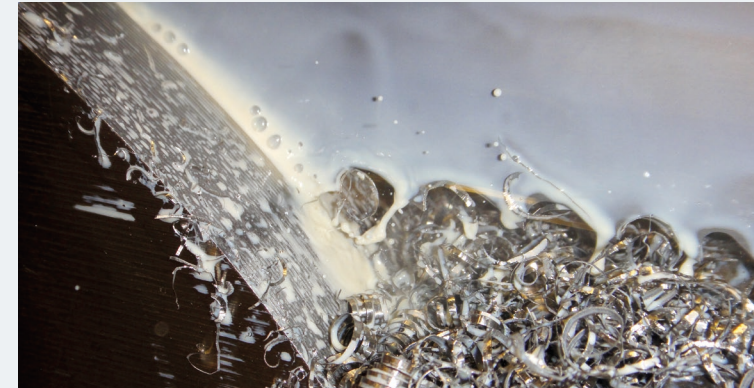
BI-METAL - HIGH PERFORMANCE



## SUPER SCL

Product Group 453

Inch	mm/TPI	4/6	3/4	2/3	1,4/2	1,1/1,4	0,7/0,9
1	27x0,90	■	■	■			
1 1/4	34x1,10	■	■	■			
1,5	41x1,30	■	■	■	■		
2	54x1,30			■			
2	54x1,60		■	■	■	■	
2 5/8	67x1,60				■	■	■
3 1/8	80x1,60					■	■



### Application:

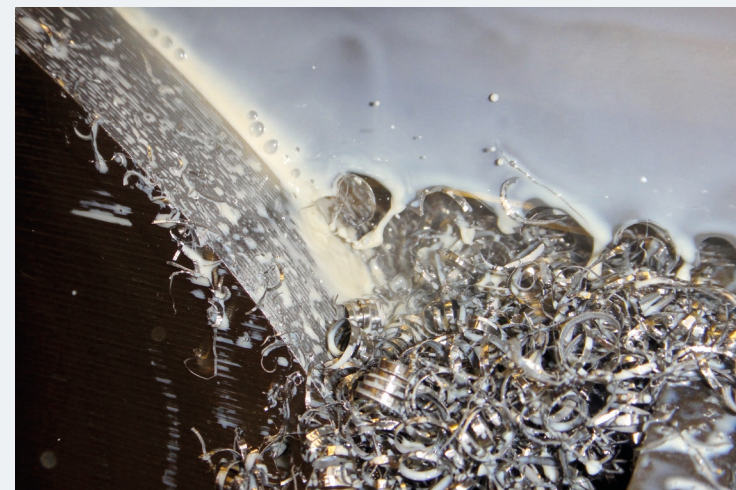
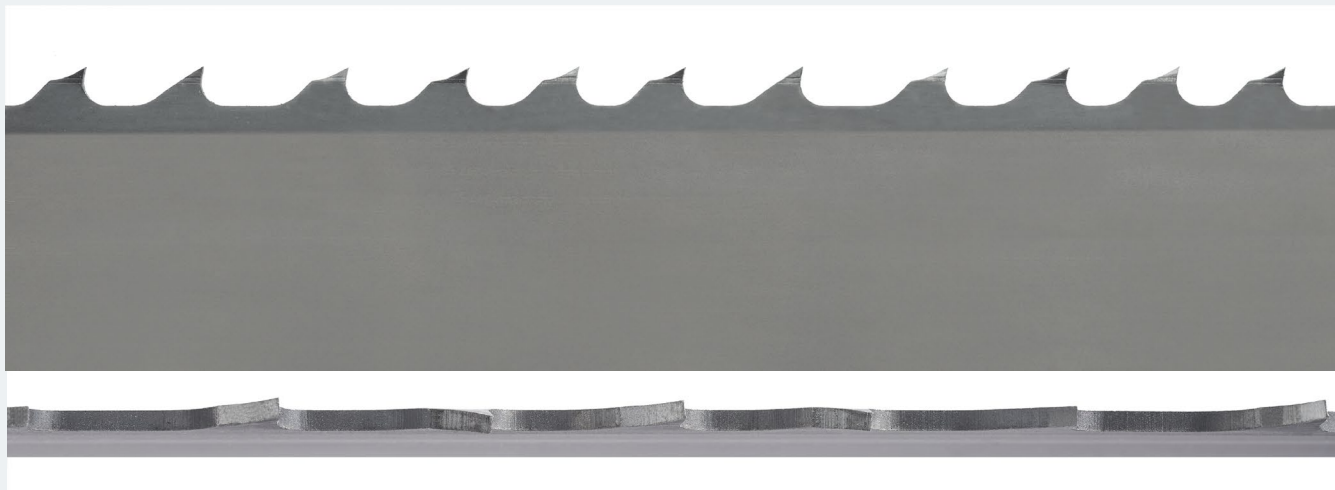
- ✓ Solid Material
- ✓ Hard Material
- ✓ Stainless Steels

### Advantages:

- ✓ Unique tooth geometry
- ✓ Positive rake angle
- ✓ Quiet cut and smooth surface

# → SUPER SCL IPC coated

BI-METAL - HIGH PERFORMANCE



## SUPER SCL IPC Coated *Product Group 453-IPC*

Inch	mm/TPI		2/3	1,4/2	1,1/1,4	0,7/0,9	
1 1/2	41x1,30		■	■			
2	54x1,60		■	■	■		
2 5/8	67x1,60			■	■	■	

### Application:

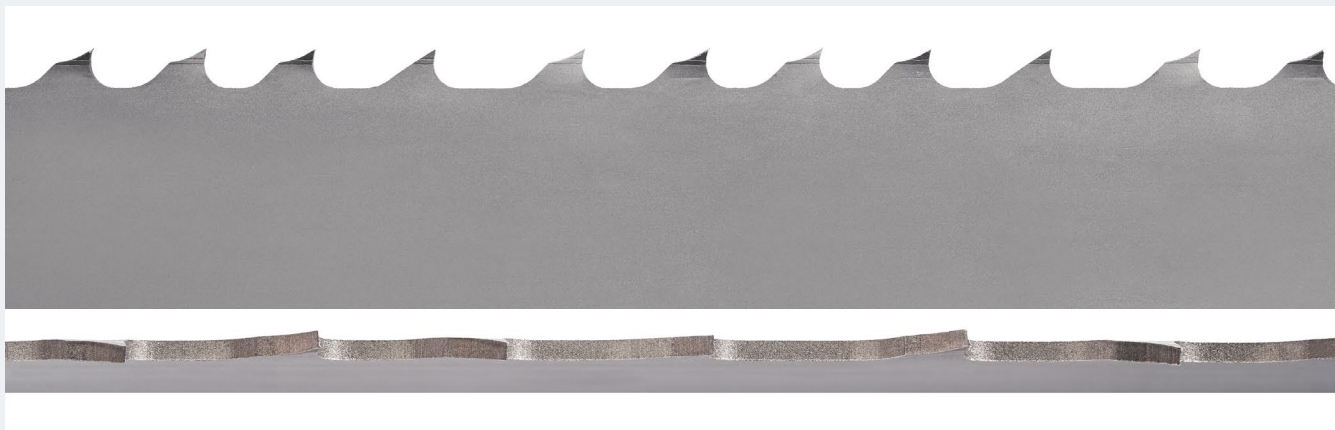
- ✓ Solid Material
- ✓ Hard Material
- ✓ Stainless Steels

### Advantages:

- ✓ Unique tooth geometry
- ✓ Positive rake angle
- ✓ Quiet cut and smooth surface
- ✓ Improving cutting time (20-50%)
- ✓ Improving bladeflife

# → SCL GT

BI-METAL - HIGH PERFORMANCE



## SCL GT

**NEW**

Product Group 457

Inch	mm/TPI	3/4	2/3	1,4/2	1,1/1,4	0,7/0,9	
1 1/4	34x1,10	■	■				
1 1/2	41x1,30	■	■	■			
2	54x1,60		■	■	■		
2 5/8	67x1,60			■	■	■	
3 1/8	80x1,60				■	■	



### Specs:

- ✓ 11° Rake angle
- ✓ ground tooth



### Application:

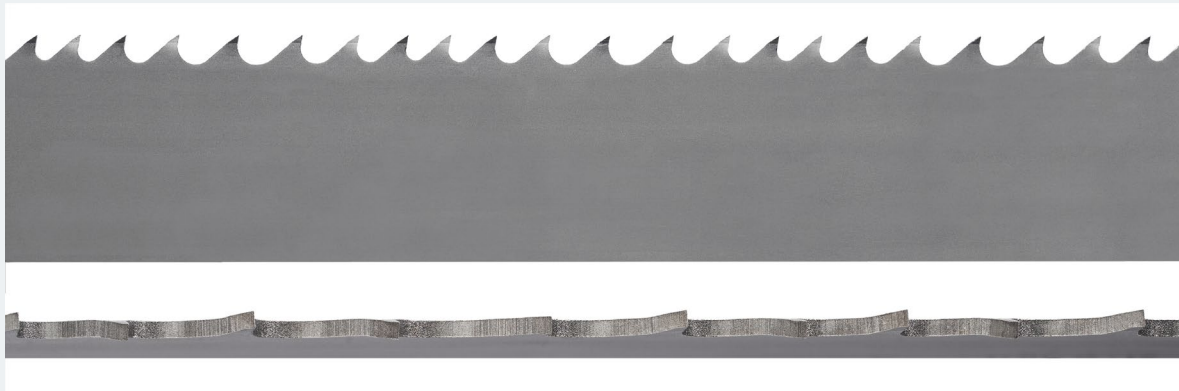
- ✓ Solid Material
- ✓ Hard Material
- ✓ Stainless Steels

### Advantages:

- ✓ Unique tooth geometry
- ✓ Extra positive rake angle
- ✓ lower cutting forces and smooth running
- ✓ optimal chip formation
- ✓ clean cutting surface

# → EVOTEC PLUS

BI-METAL - HIGH PERFORMANCE



## EVOTEC plus

Product Group 465

Inch	mm/TPI	4/6	3/4	2/3			
1	27x0,90	■	■				
1 1/4	34x1,10	■	■	■			
1 1/2	41x1,30	■					

### Application:

- ✓ Solid material
- ✓ Hard Steel
- ✓ Stainless steel

### Advantages:

- ✓ Positive rake angle
- ✓ Longer blade life than M42



# EVOTEC SCL

BI-METAL - HIGH PERFORMANCE



## EVOTEC SCL

Product Group 466

Inch	mm/TPI	4/6	3/4	2/3	1,4/2	1,1/1,4	0,7/0,9
1	27x0,90	■	■				
1 1/4	34x1,10	■	■	■			
1 1/2	41x1,30	■	■	■	■		
2	54x1,60		■	■	■	■	
2 5/8	67x1,60				■	■	■
3 1/8	80x1,60					■	■

### Application:

- ✓ Solid material
- ✓ Hard Steel
- ✓ Special alloys

### Advantages:

- ✓ Unique tooth geometry
- ✓ Reinforced tooth back
- ✓ Positive rake angle
- ✓ Longer blade life than M42

# → CARBIDE Bandsaw blades



## STANDARD

Universal use medium to heavy



Castings - Building materials



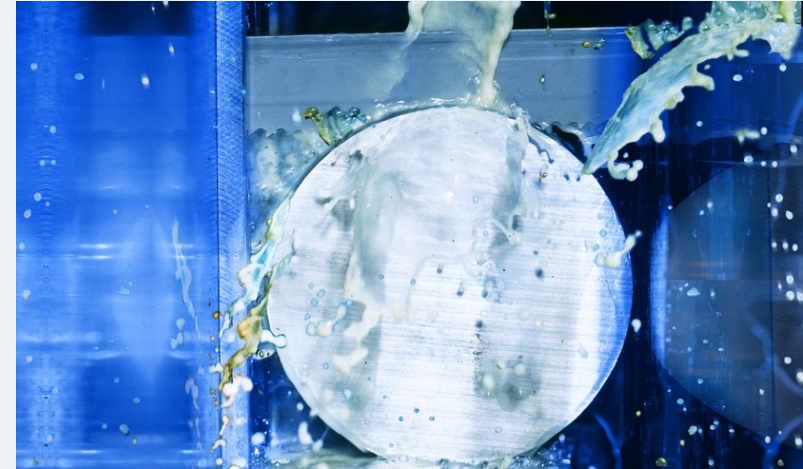
Abrasive materials



neu

# → GALAXY HMD

CARBIDE - STANDARD



## GALAXY HMD

Product Group 473

Inch	mm/TPI	3	3/4	2/3	1,9/2,1	1,4/1,8	0,9/1,1
3/4	20x0,90	■	■				
1	27x0,90	■	■				
1 1/4	34x1,10		■	■	■		
1 1/2	41x1,30		■	■	■	■	
2	54x1,60		■	■	■	■	
2 5/8	67x1,60					■	

### Application :

- ✓ Solid Material
- ✓ Nickel Base Alloys
- ✓ High Nickel Alloys

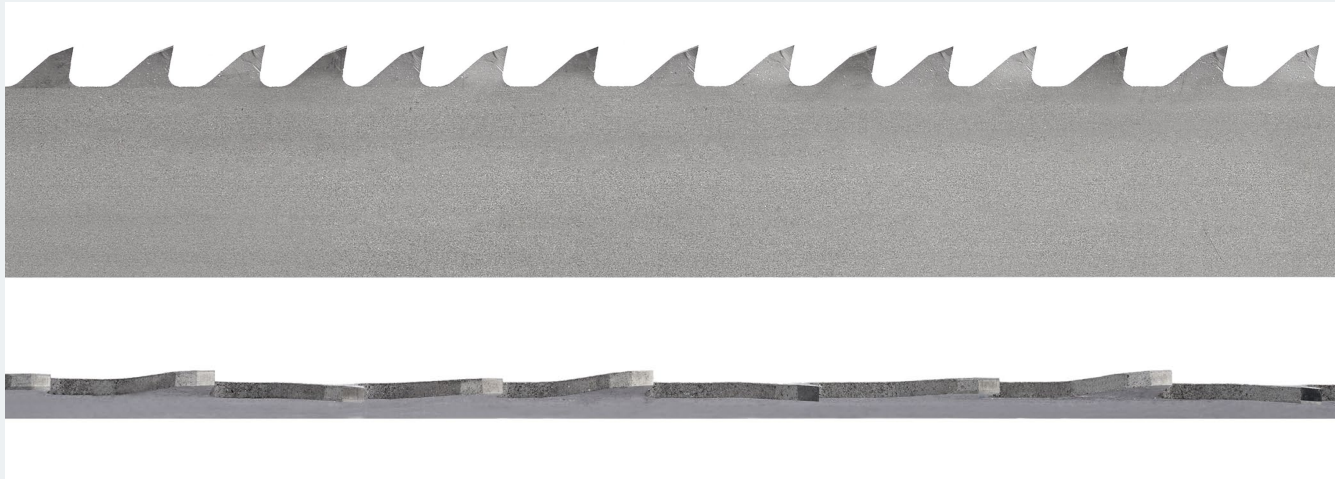
### Advantages :

- ✓ Triple Chip geometry provides a smooth surface finish.
- ✓ Positive rake angle allows faster penetration for high production cutting.



# → GALAXY HMS

CARBIDE - STANDARD



## GALAXY HMS

Product Group 471

Inch	mm/TPI	3	2/3				
3/4	20x0,90	■					
1	27x0,90	■	■				
1 1/4	34x1,10	■					

### Application :

- ✓ Casted Aluminum
- ✓ Bronze
- ✓ Carbon Fiber/Graphite.
- ✓ abrasive materials (Blocks, etc)

### Advantages :

- ✓ Three tooth pattern with raker ensures straighter cuts.
- ✓ Designed for both manual and automatic bandsaws.

# → SAPHIR U/D

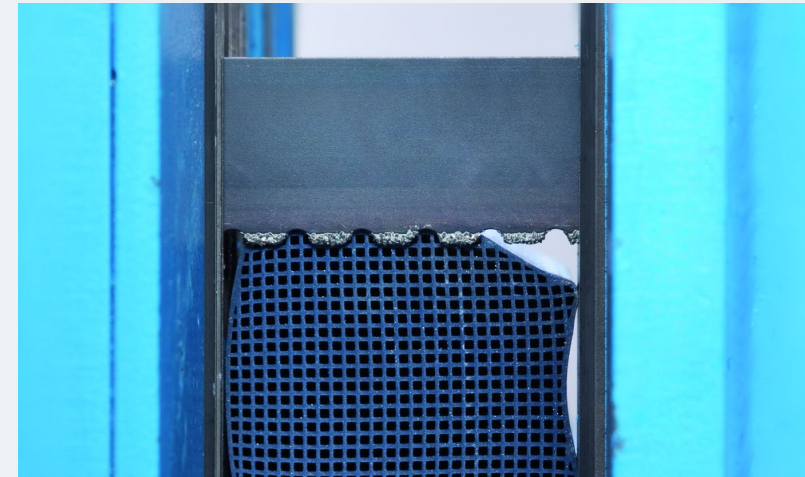
CARBIDE - STANDARD



## SAPHIR U/D

Product Group 480

Inch	mm/TPI	U	D				
3/4	20x0,80	■	■				
1	25x0,90	■	■				
1 1/4	32x1,10	■	■				



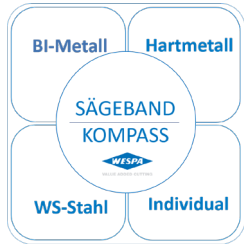
### Application :

- ✓ Abrasive and composite materials
- ✓ Graphite, GRP, Ceramic
- ✓ Mineral and building materials

### Advantages :

- ✓ Carbide Grit Blade
- ✓ available:
  - U = interrupted
  - D = continuously

## → Products



- Bi-Metal
- Carbide
- Customized



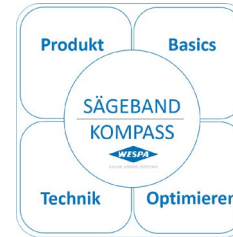
## → Service - Advice



- Performance analysis
- Product advice
- use advice
- Economic analysis
- success analysis



## → Training



- basic training
- Dealer training
- User training
- Sawing workshops



## → Tools



- Bandsaw APP
- Economics
- Equipment
- Price calculator



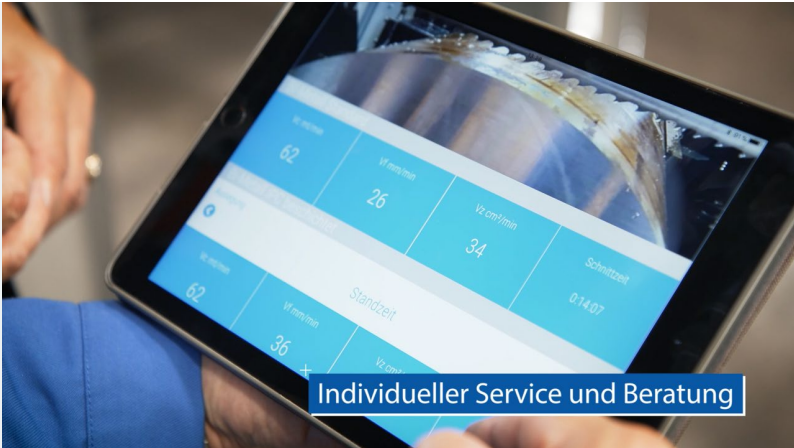
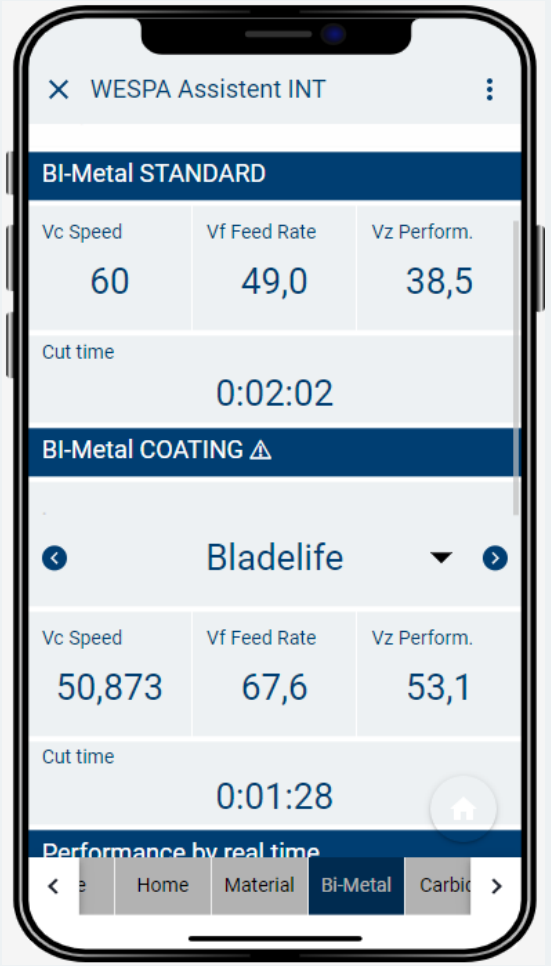
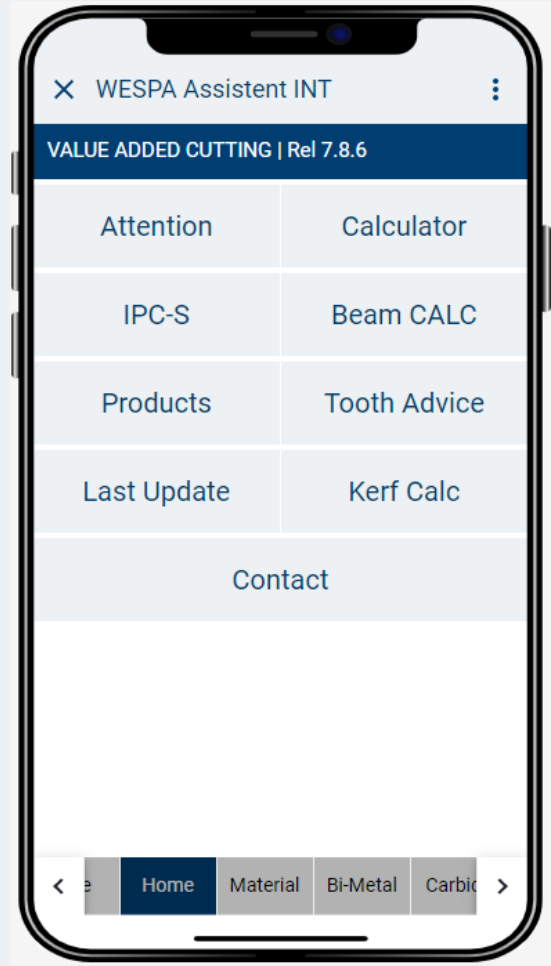
# → WESPA iSAW APP



- Bandsaw APP



Contact  
[marketing@wespa-simonds.de](mailto:marketing@wespa-simonds.de)  
to get Promo-Code for access



## APP Version 7.8.6

- safety advice
- cutting data calculator
  - metric and imperial
  - for solid, beams, profile and tubes
  - International materials
- Product Catalog
- Tooth pitch recommendation
- Kerf Calculator
- Contact informations

▲DISCLAIMER ▲  
The data and values its recommendations. These can be different based on operation conditions, machine types and other influences. The data are without guarantee and only recommendations. Please pay attention to safety regulations for handling bandsaw blades. Always wear safety glasses and gloves. The information presented can be altered without any notification. No guarantee or warranty.



VALUE ADDED CUTTING



→

# Thanks for your attention

---

←