

# PRECISION SAWING TOOLS

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## Precision Circular Saw Blades

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# CUBOGRIT® S

The segmented CBN- coated band saw blade



- Ⓐ Product level 2
- ↕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- ⦿ Workpiece dimension medium
- 💎 Segmented CBN-coating

## Product Information



### The segmented CBN-coated band saw blade

#### Application

- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite
- Medium workpiece dimensions

#### Advantages

- High cutting performance
- Individual design of the coating geometry
- Low reworking due to very to good cutting surfaces

#### Features

- Segmented CBN-coating at the band edge
- Backing material made of alloyed tempering steel

CUBOGRIT® S is also available with a carrier band made of corrosion-resistant special steel as **CUBOGRIT® S VA**.

This execution offers the following advantages:

- Cooling with pure water
- No corrosion of backing material during longer downtime

In order to achieve an optimal and efficient result for your sawing applications, we will be gladly prepared to advise you on the possible combinations regarding the grain sizes, band saw blade dimensions as well as operating and basic conditions of CUBOGRIT®. Our experts of the technical customer care will gladly get in contact with you.

Machine requirements:

- Cutting speed higher than 1200 m/min
- High machine stability
- High torque of the drive engine

## Technical Data (1/2)

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 100 x 1.10        | 4 x 0.042      |
| 100 x 0.90        | 4 x 0.035      |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 80 x 0.90         | 3-1/8 x 0.035  |
| 67 x 0.70         | 2-5/8 x 0.028  |
| 50 x 0.90         | 2 x 0.035      |
| 41 x 1.30         | 1-5/8 x 0.050  |
| 41 x 0.80         | 1-5/8 x 0.032  |
| 10 x 0.50         | 3/8 x 0.020    |
| 34 x 1.10         | 1-3/8 x 0.042  |
| 27 x 0.90         | 1-1/16 x 0.035 |
| 27 x 0.70         | 1-1/16 x 0.028 |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 20 x 0.80         | 3/4 x 0.032    |
| 20 x 0.50         | 3/4 x 0.020    |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

## Technical Data (2/2)

| Dimensions        |             |
|-------------------|-------------|
| Width x thickness |             |
| mm                | Inch        |
| 16 x 0.50         | 5/8 x 0.020 |
| 13 x 0.65         | 1/2 x 0.025 |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

## Materials Overview



- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, steelite

# CUBOGRIT® U

The CBN-coated band saw blade with tothing



- ⚙ Product level 2
- ↕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- 🌀 Workpiece dimension large
- 💎 Intermittent CBN-coating

## Product Information



### The CBN-coated band saw blade with tothing

#### Application

- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite
- Large workpiece dimensions

#### Advantages

- Large chip space for material abrasion
- Individual design of the segment geometry (special tooth)
- Short cutting time due to high cutting performance

#### Features

- Raised segments with CBN-coating with variable pitch
- Backing material made of alloyed tempering steel

CUBOGRIT® U is also available with a carrier band made of corrosion-resistant special steel as **CUBOGRIT® U VA**. This execution offers the following advantages:

- Cooling with pure water
- No corrosion of backing material during longer downtime

In order to achieve an optimal and efficient result for your sawing applications, we will be gladly prepared to advise you on the possible combinations regarding the grain sizes, band saw blade dimensions as well as operating and basic conditions of CUBOGRIT®. Our experts of the technical customer care will gladly get in contact with you.

Machine requirements: &nbsp;

- Cutting speed higher than 1200 m/min
- High machine stability
- High torque of the drive engine

## Technical Data (1/2)

| Dimensions        |                | Tooth pitch in ZpZ |       |       |   |   |
|-------------------|----------------|--------------------|-------|-------|---|---|
| Width x thickness |                | variable           |       |       |   |   |
| mm                | Inch           | 30-30              | 20-20 | 12-12 | 8 | 6 |
| 41 x 0.50         | 1-5/8 x 0.020  | T                  |       |       |   |   |
| 100 x 1.10        | 4 x 0.042      | T                  |       | T     |   |   |
| 100 x 0.90        | 4 x 0.035      | T                  |       |       |   |   |
| 80 x 1.10         | 3-1/8 x 0.042  |                    |       | T     |   |   |
| 67 x 1.60         | 2-5/8 x 0.063  | T                  |       |       |   |   |
| 54 x 1.10         | 2-1/8 x 0.042  |                    | T     |       |   |   |
| 50 x 0.90         | 2 x 0.035      | T                  |       |       |   |   |
| 41 x 1.30         | 1-5/8 x 0.050  |                    | T     |       |   |   |
| 41 x 0.80         | 1-5/8 x 0.032  | T                  |       |       |   |   |
| 10 x 0.50         | 3/8 x 0.020    |                    |       |       |   | T |
| 34 x 1.10         | 1-3/8 x 0.042  | T                  |       |       |   |   |
| 27 x 0.90         | 1-1/16 x 0.035 |                    |       | T     |   |   |
| 27 x 0.70         | 1-1/16 x 0.028 | T                  |       | T     |   |   |
| 27 x 0.50         | 1-1/16 x 0.020 |                    |       | T     |   |   |
| 20 x 0.80         | 3/4 x 0.032    |                    |       |       | T |   |
| 16 x 0.50         | 5/8 x 0.020    |                    |       |       | T |   |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

## Technical Data (2/2)

| Dimensions        |             | Tooth pitch in ZpZ |       |       |   |          |
|-------------------|-------------|--------------------|-------|-------|---|----------|
| Width x thickness |             | variable           |       |       |   | constant |
| mm                | Inch        | 30-30              | 20-20 | 12-12 | 8 | 6        |
| 13 x 0.65         | 1/2 x 0.025 |                    |       |       |   | T        |
| 13 x 0.50         | 1/2 x 0.020 |                    |       |       |   | T        |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

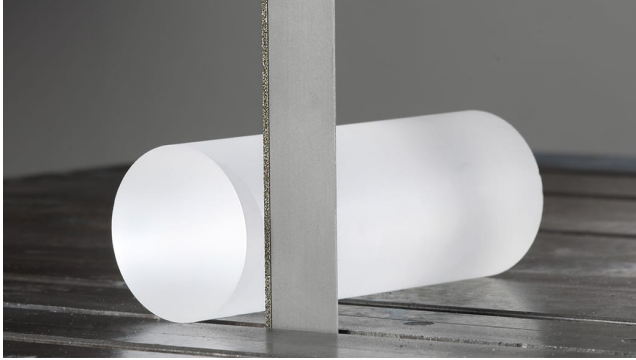
## Materials Overview



- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, steelite

# DIAGRIT<sup>®</sup> K

The continuously diamond coated band saw blade



- ⚙ Product level 2
- ↕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- 🌀 Workpiece dimension small
- 💎 Continuous diamond coating

## Product Information

### The continuously diamond coated band saw blade

#### Application

- Glass, graphite, high-fired graphite, ceramic, silicon
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Small workpiece dimensions

#### Advantages

- No chipping on the contour edges
- Low finishing due to very good cutting surfaces

#### Features

- Continuous diamond coating on the band edge
- Backing material made of alloyed tempering steel

## Technical Data (1/2)

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 100 x 1.10        | 4 x 0.042      |
| 100 x 0.90        | 4 x 0.035      |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 80 x 0.90         | 3-1/8 x 0.035  |
| 67 x 0.70         | 2-5/8 x 0.028  |
| 54 x 1.10         | 2-1/8 x 0.042  |
| 50 x 0.90         | 2 x 0.035      |
| 41 x 1.30         | 1-5/8 x 0.050  |
| 41 x 0.80         | 1-5/8 x 0.032  |
| 10 x 0.50         | 3/8 x 0.020    |
| 34 x 1.10         | 1-3/8 x 0.042  |
| 27 x 0.90         | 1-1/16 x 0.035 |
| 27 x 0.70         | 1-1/16 x 0.028 |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 20 x 0.80         | 3/4 x 0.032    |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Technical Data (2/2)

| Dimensions        |             |
|-------------------|-------------|
| Width x thickness |             |
| mm                | Inch        |
| 20 x 0.50         | 3/4 x 0.020 |
| 16 x 0.50         | 5/8 x 0.020 |
| 13 x 0.65         | 1/2 x 0.025 |
| 13 x 0.50         | 1/2 x 0.020 |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Materials Overview



- Silicon, glass, natural stone

# DIAGRIT<sup>®</sup> S

The segmented diamond coated band saw blade



- Ⓐ Product level 2
- ⇕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- ⦿ Workpiece dimension medium
- ◆ Segmented diamond coating

## Product Information



### The segmented diamond coated band saw blade

#### Application

- Glass, graphite, high-fired graphite, ceramic, silicon
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Medium workpiece dimensions

#### Advantages

- Higher cutting rate
- Individual coating geometry
- Low finishing thanks to good cutting surfaces

#### Features

- Segmented diamond coating on the band edge
- Backing material made of alloyed tempering steel

## Technical Data (1/2)

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 100 x 1.10        | 4 x 0.042      |
| 100 x 0.90        | 4 x 0.035      |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 80 x 0.90         | 3-1/8 x 0.035  |
| 67 x 0.70         | 2-5/8 x 0.028  |
| 50 x 0.90         | 2 x 0.035      |
| 41 x 1.30         | 1-5/8 x 0.050  |
| 41 x 0.80         | 1-5/8 x 0.032  |
| 10 x 0.50         | 3/8 x 0.020    |
| 34 x 1.10         | 1-3/8 x 0.042  |
| 27 x 0.90         | 1-1/16 x 0.035 |
| 27 x 0.70         | 1-1/16 x 0.028 |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 20 x 0.80         | 3/4 x 0.032    |
| 20 x 0.50         | 3/4 x 0.020    |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Technical Data (2/2)

| Dimensions        |             |
|-------------------|-------------|
| Width x thickness |             |
| mm                | Inch        |
| 16 x 0.50         | 5/8 x 0.020 |
| 13 x 0.65         | 1/2 x 0.025 |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

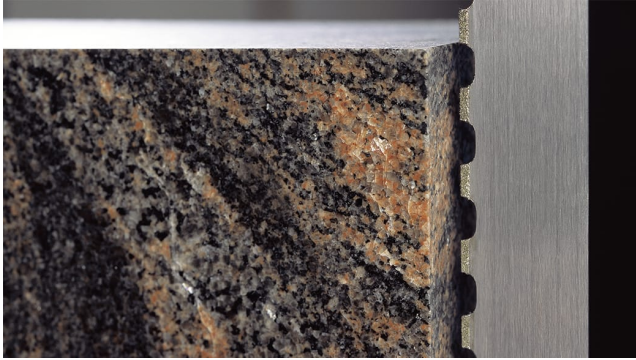
## Materials Overview



- Silicon, glass, natural stone

# DIAGRIT<sup>®</sup> U

The toothed diamond coated band saw blade



- ⚙ Product level 2
- ↕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- 🌀 Workpiece dimension large
- 💎 Intermittent diamond coating

## Product Information



### The toothed diamond coated band saw blade

#### Application

- Glass, graphite, high-fired graphite, ceramic, silicon
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Large workpiece dimensions

#### Advantages

- Large gullet for material chipping
- Individual segment geometry (special tooth)
- Short cutting time due to excellent cutting rate

#### Features

- Protruding segments with diamond coating in different distances
- Backing material made of alloyed tempering steel

## Technical Data (1/2)

| Dimensions        |                | Tooth pitch in ZpZ |       |       |   |   |
|-------------------|----------------|--------------------|-------|-------|---|---|
| Width x thickness |                | variable           |       |       |   |   |
| mm                | Inch           | 30-30              | 20-20 | 12-12 | 8 | 6 |
| 41 x 0.50         | 1-5/8 x 0.020  |                    | x     |       |   |   |
| 100 x 1.10        | 4 x 0.042      | x                  |       | x     |   |   |
| 100 x 0.90        | 4 x 0.035      |                    |       | x     |   |   |
| 80 x 1.10         | 3-1/8 x 0.042  |                    |       | x     |   |   |
| 67 x 1.60         | 2-5/8 x 0.063  | x                  |       |       |   |   |
| 54 x 1.10         | 2-1/8 x 0.042  |                    | x     |       |   |   |
| 50 x 0.90         | 2 x 0.035      |                    | x     |       |   |   |
| 41 x 1.30         | 1-5/8 x 0.050  |                    | x     |       |   |   |
| 41 x 0.80         | 1-5/8 x 0.032  |                    | x     |       |   |   |
| 10 x 0.50         | 3/8 x 0.020    |                    |       |       |   | x |
| 34 x 1.10         | 1-3/8 x 0.042  |                    | x     |       |   |   |
| 27 x 0.90         | 1-1/16 x 0.035 |                    |       | x     |   |   |
| 27 x 0.70         | 1-1/16 x 0.028 | x                  |       | x     |   |   |
| 27 x 0.50         | 1-1/16 x 0.020 |                    |       | x     |   |   |
| 20 x 0.80         | 3/4 x 0.032    |                    |       |       | x |   |
| 16 x 0.50         | 5/8 x 0.020    |                    |       |       | x |   |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Technical Data (2/2)

| Dimensions        |             | Tooth pitch in ZpZ |       |       |   |          |
|-------------------|-------------|--------------------|-------|-------|---|----------|
| Width x thickness |             | variable           |       |       |   | constant |
| mm                | Inch        | 30-30              | 20-20 | 12-12 | 8 | 6        |
| 13 x 0.65         | 1/2 x 0.025 |                    |       |       | x |          |
| 13 x 0.50         | 1/2 x 0.020 |                    |       |       | x |          |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

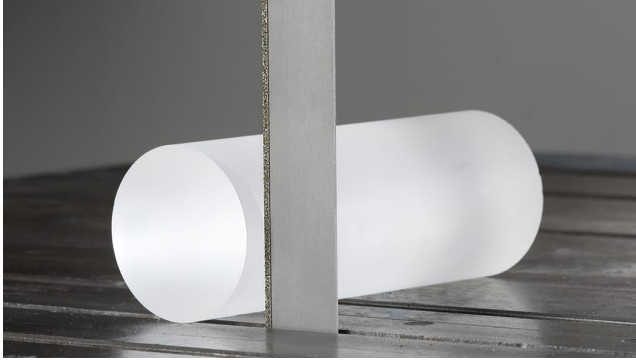
## Materials Overview



- Silicon, glass, natural stone

# DIAGRIT<sup>®</sup> K VA

The continuously diamond coated band saw blade with stainless backing material



- ⚙ Product level 2
- ↕ Band width 13 x 0.5 - 100 x 1.1mm  
↕ Band width 1/2 x 0.020 - 4 x 0.042 Inch
- 🌀 Workpiece dimension small
- 💎 Continuous diamond coating

## Product Information

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### The continuously diamond coated band saw blade with stainless backing material

#### Application

- Glass, graphite, high-fired graphite, ceramic, silicon
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Small workpiece dimensions

#### Advantages

- Oil-free cooling lubricant usable
- No corrosion of backing material during longer downtime
- No chipping on the contour edges
- Low finishing thanks to very good cutting surfaces

#### Features

- Continuous diamond coating on the band edge
- Backing material made of stainless special steel

## Technical Data

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 13 x 0.50         | 1/2 x 0.020    |
| 20 x 0.50         | 3/4 x 0.020    |
| 20 x 0.80         | 3/4 x 0.032    |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 41 x 0.80         | 1-5/3 x 0.032  |
| 54 x 0.50         | 2-1/8 x 0.020  |
| 60 x 0.50         | 2-1/3 x 0.020  |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 100 x 1.10        | 4 x 0.042      |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Materials Overview



- Silicon, glass, natural stone

# DIAGRIT<sup>®</sup> S VA

The segmented diamond coated band saw blade with stainless backing material



- ⚙ Product level 2
- ↕ Band width 13 x 0.5 - 100 x 1.1mm  
Band width 1/2 x 0.020 - 4 x 0.042 Inch
- ⦿ Workpiece dimension medium
- 💎 Segmented diamond coating

## Product Information



### The segmented diamond coated band saw blade with stainless backing material

#### Application

- Glass, graphite, high-fired graphite, ceramic, silicon
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Medium workpiece dimensions

#### Advantages

- Oil-free cooling lubricant usable
- No corrosion of backing material during longer downtime
- Higher cutting rate
- Individual coating geometry

#### Features

- Segmented diamond coating on the band edge
- Backing material made of stainless special steel

## Technical Data

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 13 x 0.50         | 1/2 x 0.020    |
| 20 x 0.50         | 3/4 x 0.020    |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 41 x 0.80         | 1-5/8 x 0.032  |
| 60 x 0.50         | 2-1/3 x 0.020  |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 100 x 1.10        | 4 x 0.042      |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

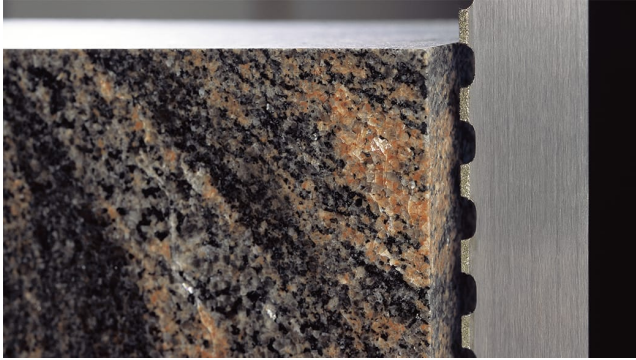
## Materials Overview



- Silicon, glass, natural stone

# DIAGRIT<sup>®</sup> U VA

The toothed diamond coated band saw blade with stainless backing material



- Ⓐ Product level 2
- ⇕ Band width 20 x 0.5 - 100 x 1.1mm  
Band width 3/4 x 0.020 - 4 x 0.042 Inch
- ⦿ Workpiece dimension large
- 💎 Intermittent diamond coating

## Product Information



### The toothed diamond coated band saw blade with stainless backing material

#### Application

- Large workpiece dimensions
- Concrete materials, carbon fibre reinforced plastic, sintered materials, virgin stone
- Glass, graphite, high-fired graphite, ceramic, silicon

#### Advantages

- Oil-free cooling lubricant usable
- No corrosion of backing material during longer downtime
- Large gullet for material chipping
- Short cutting time due to excellent cutting rate

#### Features

- Protruding segments with diamond coating in different distances
- Backing material made of stainless special steel

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |       |       |          |
|-------------------|---------------|--------------------|-------|-------|----------|
| Width x thickness |               | variable           |       |       | constant |
| mm                | Inch          | 30-30              | 20-20 | 12-12 | 8        |
| 20 x 0.50         | 3/4 x 0.020   |                    |       |       | x        |
| 41 x 0.50         | 1-5/8 x 0.020 |                    | x     |       |          |
| 41 x 0.80         | 1-5/8 x 0.032 |                    | x     |       |          |
| 80 x 1.10         | 3-1/8 x 0.042 | x                  |       | x     |          |
| 100 x 1.10        | 4 x 0.042     | x                  |       | x     |          |

Grain sizes: D64, D91, D126, D151, D181, D252, D301, D356, D426, D501, D601, D711

Alternative band dimensions upon request

## Materials Overview



- Silicon, glass, natural stone

# TCGRIT<sup>®</sup> K

The carbide coated saw band with continuous coating



- ⬆ Product Level 2
- Solid materials and profiles
- ↕ Band width 6 x 0.5 - 32 x 1.1mm  
Band width 1/4 x 0.020 - 1-1/4 x 0.042 Inch
- ⦿ Workpiece dimension small

## Product Information

### The carbide coated saw band with continuous coating

#### Application:

- cables and wires, composite materials, metal flex hoses
- glass fibre and carbon fibre reinforced plastics (GRP / CRP)
- small workpiece dimensions

#### Advantages:

- long life due to high wear resistance
- low rework due to high surface quality

#### Features:

- continuously carbide coated
- extremely durable band edge, suitable for wet and dry cutting

## Technical Data

| Dimensions        |                | Grain sizes |     |     |
|-------------------|----------------|-------------|-----|-----|
| Width x thickness |                |             |     |     |
| mm                | Inch           | 525         | 301 | 181 |
| 6 x 0.50          | 1/4 x 0.020    |             | X   |     |
| 10 x 0.65         | 3/8 x 0.025    |             | X   |     |
| 13 x 0.50         | 1/2 x 0.020    |             | X   |     |
| 13 x 0.65         | 1/2 x 0.250    |             | X   | X   |
| 20 x 0.80         | 3/4 x 0.032    |             | X   |     |
| 25 x 0.90         | 1-1/16 x 0.035 | X           |     |     |
| 32 x 1.10         | 1-1/4 x 0.042  | X           |     |     |

## Materials Overview



- Silicon, glass, natural stone
- Glass fibre
- Cables and wires
- Metal flex hoses

# TCGRIT<sup>®</sup> U

The carbide coated saw band with discontinuous coating



- ⚙ Product Level 2
- Solid materials and profiles
- ↕ Band width 10 x 0.65 - 38 x 1.1mm  
Band width 3/8 x 0.025 - 1-1/2 x 0.042 Inch
- ⊙ Workpiece dimension large

## Product Information



### The carbide coated saw band with discontinuous coating

#### Application:

- glass fibre and carbon fibre reinforced plastics (GRP / CRP)
- abrasive construction materials, case-hardened steel, two-wheeler and car tyre
- larger workpiece dimensions

#### Advantages:

- long life due to high wear resistance
- low rework due to high surface quality

#### Features:

- discontinuous carbide coating
- extremely durable band edge, suitable for wet and dry cutting

## Technical Data

| Dimensions        |               | Grain sizes |     |     |
|-------------------|---------------|-------------|-----|-----|
| Width x thickness |               |             |     |     |
| mm                | Inch          | 525         | 356 | 301 |
| 10 x 0.65         | 3/8 x 0.025   |             |     | X   |
| 13 x 0.65         | 1/2 x 0.025   |             |     | X   |
| 20 x 0.80         | 3/4 x 0.320   |             |     | X   |
| 25 x 0.90         | 1 x 0.035     | X           | X   |     |
| 32 x 1.10         | 1-1/4 x 0.042 | X           |     |     |
| 38 x 1.10         | 1-1/2 x 0.042 | X           |     |     |

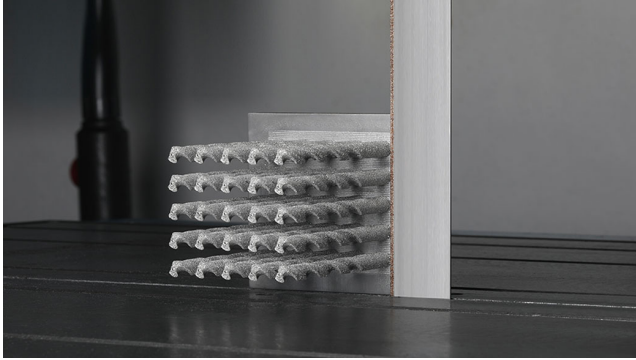
## Materials Overview



- Silicon, glass, natural stone
- Glass fibre
- Cables and wires
- Metal flex hoses

# CUBOGRIT® K

The continuously CBN-coated band saw blade



- ⚙ Product level 2
- ↕ Band width 10 x 0.5 - 100 x 1.1mm  
Band width 3/8 x 0.020 - 4 x 0.042 Inch
- 🌀 Workpiece dimension small
- 💎 Continuous CBN-coating

## Product Information

### The continuously CBN-coated band saw blade

#### Application

- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite
- Small workpiece dimension

#### Advantages

- No chipping at the edge of the contour
- Low reworking due to very good cutting surfaces

#### Features

- Complete CBN- coating on the band edge
- Backing material made of alloyed tempering steel

CUBOGRIT® K is also available with a backing material made of corrosion-resistant special steel as **CUBOGRIT® K VA**.

This execution offers the following advantages:

- Cooling with pure water

- No corrosion of backing material during longer downtime

In order to achieve an optimal and efficient result for your sawing applications, we will be gladly prepared to advise you on the possible combinations regarding the grain sizes, band saw blade dimensions as well as operating and basic conditions of CUBOGRIT®. Our experts of the technical customer care will gladly get in contact with you.

#### Machine requirements:

- Cutting speed higher than 1200 m/min
- High machine stability
- High torque of the drive engine

## Technical Data (1/2)

| Dimensions        |                |
|-------------------|----------------|
| Width x thickness |                |
| mm                | Inch           |
| 41 x 0.50         | 1-5/8 x 0.020  |
| 100 x 1.10        | 4 x 0.042      |
| 100 x 0.90        | 4 x 0.035      |
| 80 x 1.10         | 3-1/8 x 0.042  |
| 80 x 0.90         | 3-1/8 x 0.035  |
| 67 x 0.70         | 2-5/8 x 0.028  |
| 54 x 1.10         | 2-1/8 x 0.042  |
| 50 x 0.90         | 2 x 0.035      |
| 41 x 1.30         | 1-5/8 x 0.050  |
| 41 x 0.80         | 1-5/8 x 0.032  |
| 10 x 0.50         | 3/8 x 0.020    |
| 34 x 1.10         | 1-3/8 x 0.042  |
| 27 x 0.90         | 1-1/16 x 0.035 |
| 27 x 0.70         | 1-1/16 x 0.028 |
| 27 x 0.50         | 1-1/16 x 0.020 |
| 20 x 0.80         | 3/4 x 0.032    |

Grain sizes: B91, B126, B252, B602

Alternative band grain sizes and dimensions upon request

## Technical Data (2/2)

| Dimensions        |             |
|-------------------|-------------|
| Width x thickness |             |
| mm                | Inch        |
| 20 x 0.50         | 3/4 x 0.020 |
| 16 x 0.50         | 5/8 x 0.020 |
| 13 x 0.65         | 1/2 x 0.025 |
| 13 x 0.50         | 1/2 x 0.020 |

Grain sizes: B91, B126, B252, B602

Alternative band grain sizes and dimensions upon request

## Materials Overview



- Hardened high speed steel (HSS), case-hardened steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, steelite

# MARATHON® M42

The all-rounder for smaller and large cross-sections



- ⬆ Product level 2
- 🪚 Hook tooth
- Solid materials
- ↕ Band width 13 x 0.65 - 80 x 1.6mm  
Band width 1/2 x 0.025 - 3-1/8 x 0.063 Inch

## Product Information



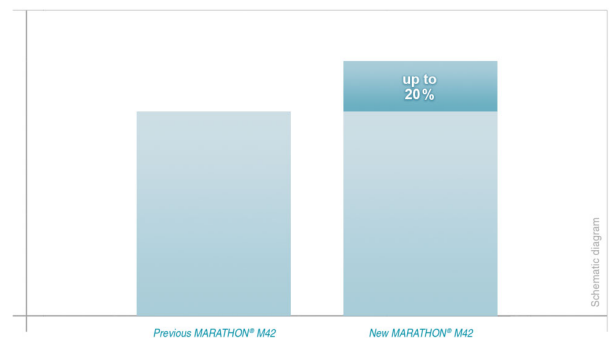
### The all-rounder for smaller and large cross-sections

#### Now even more efficient and extra high-quality!

The MARATHON® M42 is the ultimate economic band saw blade and stands for a broad application spectrum at a consistently high quality.

The high-quality features of MARATHON are now even more flexible thanks to the expansion of the product range, for use with smaller diameters and profiles to large full materials.

Thanks to further development, the proven product characteristics have been optimised even further; MARATHON® M42 also has a superior looking, shiny and smooth surface as a result of our Superfinishing.



MARATHON® M42 - Increasing the blade life

## Your advantages at a glance



**good blade-life**

thanks to highly efficient product characteristics



**less frequent blade changes**

thanks to broad application spectrum



**low operating noise**

thanks to high running smoothness



**lower material allowance**

thanks to straight cuts



**less finishing**

thanks to finer cutting surface



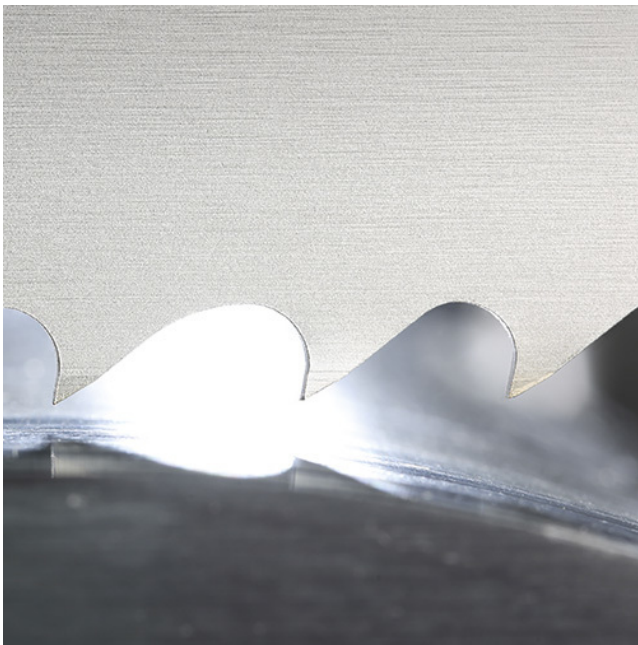
**significant cutting cost savings**

- all metals up to 1000 N/mm<sup>2</sup>
- solid materials
- single, layer and bundle cuts
- mixed operating mode

### Characteristics

- M42 cutting edge
- rake angle: positive (hook tooth)
- standard set
- high precision in terms of straightness and planeness of the backing material

## Product Video - MARATHON<sup>®</sup> M42



## Application Range

### Applications

- industrial applications
- medium-sized to large workpieces

## Technical Data (1/2)

| Dimensions        |                | Tooth pitch in ZpZ |        |         |          |          |           |
|-------------------|----------------|--------------------|--------|---------|----------|----------|-----------|
| Width x thickness |                | variable           |        |         |          |          |           |
| mm                | Inch           | 5-8                | 4-6    | 3-4     | 2-3      | 1.4-2    | 1-1.4     |
| 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    |                    |        |         |          |          |           |
| 20 x 1.10         | 3/4 x 0.042    |                    |        |         |          |          |           |
| 27 x 0.90         | 1-1/16 x 0.035 | 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         |
| 80 x 1.60         | 3-1/8 x 0.063  |                    |        |         | K        | K        | K         |
| Contact length    | [mm]           | 30-60              | 50-100 | 80-170  | 150-300  | 250-550  | 500-1000  |
|                   | [Inch]         | 1.2-2.4            | 2-3.9  | 3.1-6.7 | 5.9-11.8 | 9.8-21.6 | 19.7-39.4 |

K = Hook tooth

## Technical Data (2/2)

| Dimensions            |                        | Tooth pitch in ZpZ    |                |                   |                    |                      |
|-----------------------|------------------------|-----------------------|----------------|-------------------|--------------------|----------------------|
| Width x thickness     |                        | variable              | constant       |                   |                    |                      |
| mm                    | Inch                   | 0.75-1.25             | 6              | 4                 | 3                  | 1.25                 |
| 13 x 0.65             | 1/2 x 0.025            |                       | K              | K                 |                    |                      |
| 13 x 0.90             | 1/2 x 0.035            |                       | K              | K                 | K                  |                      |
| 20 x 0.90             | 3/4 x 0.035            |                       | K              | K                 | K                  |                      |
| 20 x 1.10             | 3/4 x 0.042            |                       |                |                   | K                  |                      |
| 27 x 0.90             | 1-1/16 x 0.035         |                       |                |                   |                    |                      |
| 34 x 1.10             | 1-3/8 x 0.042          |                       |                |                   |                    | K                    |
| 41 x 1.10             | 1-5/8 x 0.042          |                       |                |                   |                    |                      |
| 41 x 1.30             | 1-5/8 x 0.050          |                       |                |                   |                    |                      |
| 54 x 1.30             | 2-1/8 x 0.050          |                       |                |                   |                    |                      |
| 54 x 1.60             | 2-1/8 x 0.063          |                       |                |                   |                    |                      |
| 67 x 1.60             | 2-5/8 x 0.063          | K                     |                |                   |                    |                      |
| 80 x 1.60             | 3-1/8 x 0.063          | K                     |                |                   |                    |                      |
| <b>Contact length</b> | <b>[mm]<br/>[Inch]</b> | 700-1400<br>27.6-55.1 | 50-80<br>2-3.1 | 80-120<br>3.1-4.7 | 120-200<br>4.7-7.9 | 300-800<br>11.8-31.5 |

K = Hook tooth

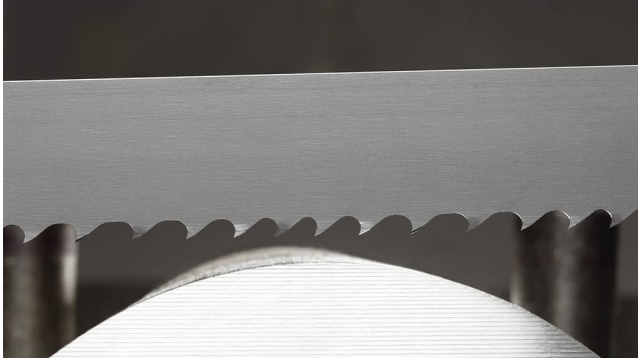
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# SELEKTA<sup>®</sup> GS M42

High performance with Superfinishing



⚙ 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



### High performance with Superfinishing

#### Applications

- Metals up to 1000 N/mm<sup>2</sup> 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

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |         |          |          |           |
|-------------------|----------------|--------------------|---------|----------|----------|-----------|
| Width x thickness |                |                    |         |          |          |           |
| mm                | Inch           | 4-6                | 3-4     | 2-3      | 1.4-2    | 1-1.4     |
| 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 0.035  |                    |         | 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]           | 50-100             | 80-170  | 150-300  | 250-550  | 500-1000  |
|                   | [Inch]         | 2-3.9              | 3.1-6.7 | 5.9-11.8 | 9.8-21.6 | 19.7-39.4 |

K = Hook tooth

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / Si-alloys
- Non-ferrous metals

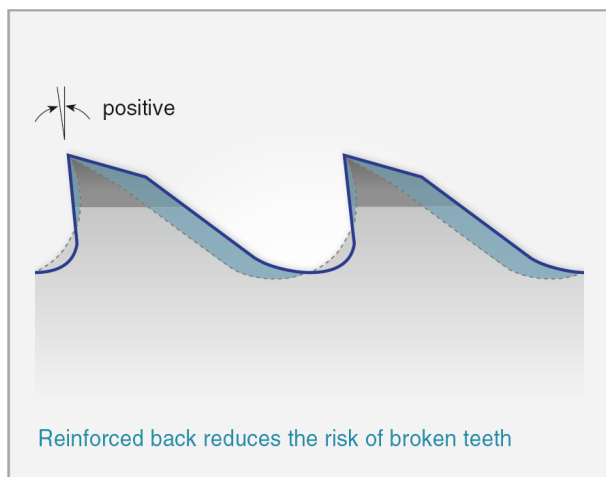
# PROFLEX® M42

The perfect band saw blade for profiles



- ⬆ Product level 2
- 🔍 Profile tooth
- Profiles
- ↕ Band width 13 x 0.65 - 67 x 1.6mm  
Band width 1/2 x 0.025 - 2-5/8 x 0.063 Inch

## Product Information



risk of a broken band. The superfinishing on the cutting edge of the teeth and the chip space enhances performance, reduces noise emission and the formation of burr, and also improves the cutting surface.

## The perfect band saw blade for profiles

WIKUS continues to sharpen its profile with the new PROFLEX® M42 bimetal band saw blade for processing profiles and girders. Thanks to the special profile tooth and also the extended connection of cutting material and carrier band, the PROFLEX® M42 is extremely sturdy.

The innovative production procedure not only extends the service life of the carrier band, it also reduces the

## Advantages at a glance



**resistant to broken teeth**  
thanks to extremely sturdy tooth contour



**less finishing**  
thanks to low-burr cutting edges



**less susceptible to vibration**  
thanks to special tooth form



**less broken bands**  
thanks to new production procedure



**low noise emission**  
thanks to variable tooth pitch and positive rake angle

- specific step set
- M42 tooth edge with positive rake angle



## NEW: QR code for ParaMaster® APP

When scanning the QR code on the blade with the ParaMaster® App, the blade data are transmitted automatically.

[To ParaMaster® 4.0](#)



## Application Range

### Applications

- profiles and girders, for metal and steel construction
- optimal for cutting with interrupted cutting channel

### Features

- extremely sturdy tooth contour
- variable tooth pitch

## Technical Data (1/2)

| Dimensions        |                | Tooth pitch in ZpZ |       |       |         |       |         |
|-------------------|----------------|--------------------|-------|-------|---------|-------|---------|
| Width x thickness |                |                    |       |       |         |       |         |
| mm                | Inch           | 14-18              | 12-16 | 10-14 | 8-11    | 7-9   | 5-7     |
| 13 x 0.65         | 1/2 x 0.025    | P                  |       | P     | P       | P     |         |
| 13 x 0.90         | 1/2 x 0.035    |                    |       | P     | P       | P     |         |
| 20 x 0.90         | 3/4 x 0.035    |                    | P     | P     | P       | P     | P       |
| 27 x 0.90         | 1-1/16 x 0.035 |                    | P     | P     | P       | P     | P       |
| 34 x 1.10         | 1-3/8 x 0.042  |                    |       |       | P       | P     | P       |
| 41 x 1.30         | 1-5/8 x 0.050  |                    |       |       | P       | P     | P       |
| 54 x 1.30         | 2-1/8 x 0.050  |                    |       |       |         |       |         |
| 54 x 1.60         | 2-1/8 x 0.063  |                    |       |       |         |       |         |
| 67 x 1.60         | 2-5/8 x 0.063  |                    |       |       |         |       |         |
| Contact length    | [mm]           | < 5                | < 10  | < 15  | 15-30   | 20-50 | 40-70   |
|                   | [Inch]         | < 0.2              | < 0.4 | < 0.6 | 0.6-1.2 | 0.8-2 | 1.6-2.8 |

P = Profile tooth

Availability: The tooth pitches 7-9 tpi and 10-14 tpi will be available from the 3rd quarter of 2022.

## Technical Data (2/2)

| Dimensions        |                | Tooth pitch in ZpZ |         |          |
|-------------------|----------------|--------------------|---------|----------|
| Width x thickness |                |                    |         |          |
| mm                | Inch           | 4-6                | 3-4     | 2-3      |
| 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    | P                  |         |          |
| 27 x 0.90         | 1-1/16 x 0.035 | P                  | P       |          |
| 34 x 1.10         | 1-3/8 x 0.042  | P                  | P       | P        |
| 41 x 1.30         | 1-5/8 x 0.050  | 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]           | 50-90              | 80-160  | 150-310  |
|                   | [Inch]         | 2-3.5              | 3.1-6.3 | 5.9-12.2 |

P = Profile tooth

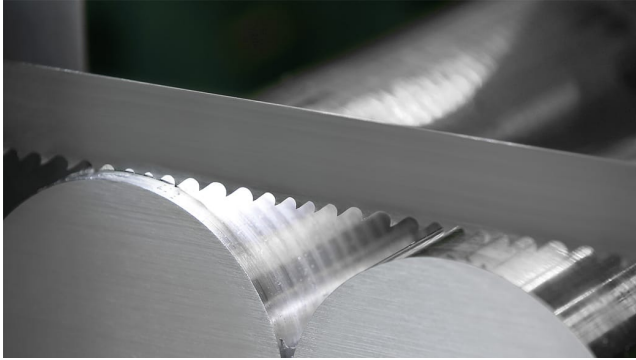
Availability: The tooth pitches 7-9 tpi and 10-14 tpi will be available from the 3rd quarter of 2022.

## Materials Overview

- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# MARATHON<sup>®</sup> X3000<sup>®</sup>

The special band saw blade for high-tensile materials



⚙ Product level 2

🪚 Hook tooth

● Profiles + Solid materials

Band width 27 x 0.9 - 67 x 1.6mm

↕ Band width 1-1/16 x 0.035 - 2-5/8 x 0.063  
Inch

## Product Information



### The special band saw blade for high-tensile materials

#### Applications

- High-alloy austenitic materials
- Metal as of 1000 N/mm<sup>2</sup> tensile strength
- Scaled forging ingots

#### Advantages

- Perfect blade-life in spite of high abrasion
- Low material loss due to plane cutting

#### Features

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

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |        |         |          |          |
|-------------------|----------------|--------------------|--------|---------|----------|----------|
| 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       | 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        | K        |
| 67 x 1.60         | 2-5/8 x 0.063  |                    |        | K       | K        | K        |
| Contact length    | [mm]           | 30-60              | 50-100 | 80-170  | 150-300  | 250-550  |
|                   | [Inch]         | 1.2-2.4            | 2-3.9  | 3.1-6.7 | 5.9-11.8 | 9.8-21.6 |

K = Hook tooth

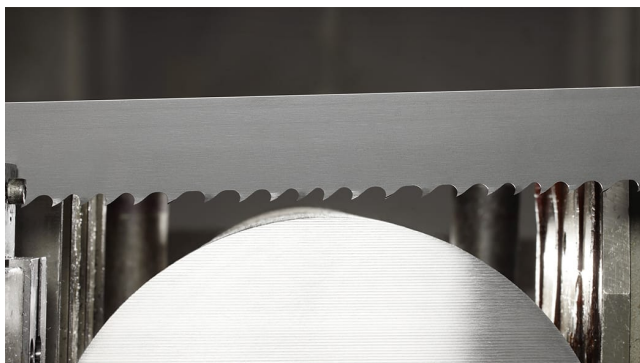
## Materials Overview



- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Duplex and heat-resistant steels
- Aluminium bronzes

# SELEKTA<sup>®</sup> GS X3000<sup>®</sup>

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



### High performance with Superfinishing for materials difficult to cut

#### 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<sup>®</sup> with positive rake angle
- High cutting edge stability and high wear resistance
- Patented performance and surface teeth

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |         |          |          |           |           |
|-------------------|----------------|--------------------|---------|----------|----------|-----------|-----------|
| 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        | 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         |           |
| 80 x 1.60         | 3-1/8 x 0.063  |                    |         |          |          | K         | K         |
| Contact length    | [mm]           | 50-100             | 80-170  | 150-300  | 250-550  | 500-1000  | 900-2000  |
|                   | [Inch]         | 2-3.9              | 3.1-6.7 | 5.9-11.8 | 9.8-21.6 | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

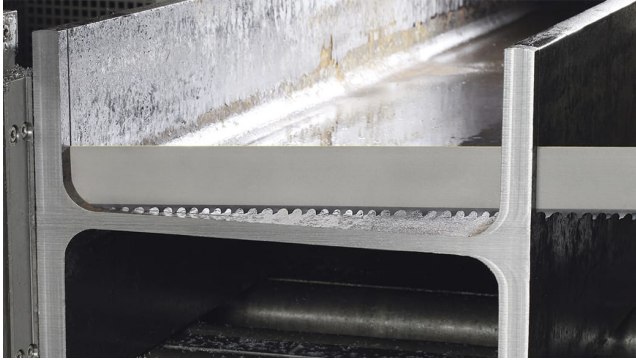
## Materials Overview



- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Aluminium bronzes

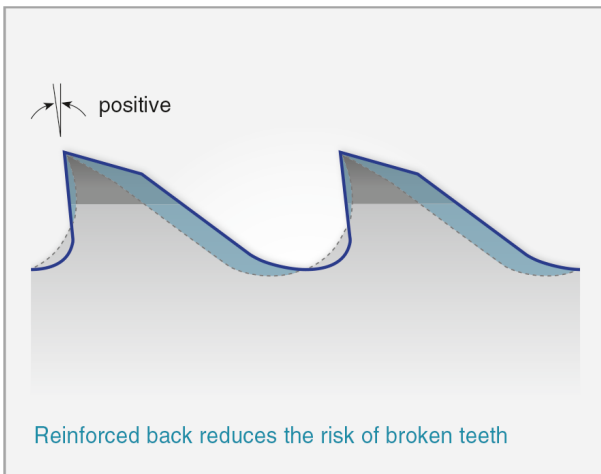
# PROFLEX<sup>®</sup> PREMIUM M42

The hard material coated band saw blade for profiles



- ⚙ Product level 2
- 🔪 Profile tooth
- Profiles
- ↕ Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

## Product Information



Schematic illustration

### Advantages

- Productivity increase by high cutting rate
- Fewer blade changes due to increased blade-life
- Low finishing thanks to cutting edges nearly without burr

### Features

- Tooth edge and back edge coated with wear protection
- Variable tooth pitch with specific step set

## The hard material coated band saw blade for profiles

### Applications

- Profiles and girders, for steel construction and industrial profile cuts
- Optimal for cutting with interrupted cutting channel

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |        |         |          |
|-------------------|---------------|--------------------|--------|---------|----------|
| Width x thickness |               |                    |        |         |          |
| mm                | Inch          | 5-7                | 4-6    | 3-4     | 2-3      |
| 34 x 1.10         | 1-3/8 x 0.042 | P                  | P      | P       |          |
| 41 x 1.30         | 1-5/8 x 0.050 |                    |        | P       |          |
| 54 x 1.30         | 2-1/8 x 0.050 |                    |        | P       |          |
| 54 x 1.60         | 2-1/8 x 0.063 |                    |        | P       | P        |
| 67 x 1.60         | 2-5/8 x 0.063 |                    |        | P       | P        |
| Contact length    | [mm]          | 40-70              | 50-100 | 80-160  | 150-300  |
|                   | [Inch]        | 1.6-2.8            | 2-3.9  | 3.1-6.3 | 5.9-11.8 |

P = Profile tooth

## Materials Overview

- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# MARATHON<sup>®</sup> SW M42

Special design for cutting applications with residual stress materials



-  Product level 2
-  Hook tooth
-  Solid materials and profiles
-  Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-5/8 x 0.050 - 2-5/8 x 0.063 Inch

## Product Information



### Special design for cutting applications with residual stress materials

#### Applications

- Workpieces with residual stress
- Metal up to 1000 N/mm<sup>2</sup> tensile strength

#### Advantages

- No jamming in the cutting channel

#### Features

- Extra wide set and variable tooth pitch
- M42 tooth edge with positive rake angle

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |
|-------------------|---------------|--------------------|----------|
| Width x thickness |               |                    |          |
| mm                | Inch          | 3-4                | 2-3      |
| 41 x 1.30         | 1-5/8 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        |
| Contact length    | [mm]          | 80-170             | 150-300  |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 |

K = Hook tooth

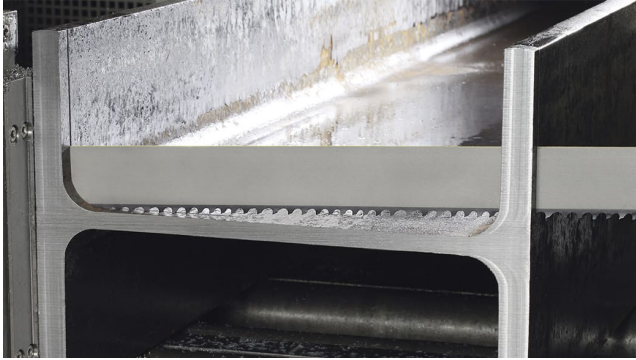
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

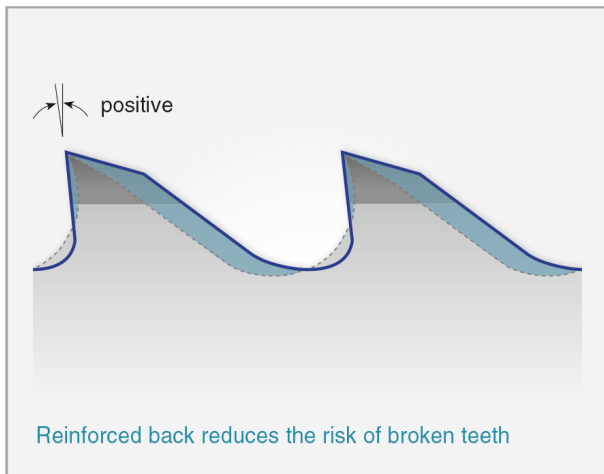
# PROFLEX<sup>®</sup> PREMIUM SW M42

The coated special design for residual stress materials



- Ⓐ Product level 2
- 🔍 Profile tooth
- Profiles
- ↕ Band width 41 x 1,3 - 67 x 1,6mm  
Band width 1-5/8 x 0.050 - 2-5/8 x 0.063 Inch

## Product Information



- Fewer blade changes due to increased blade-life

### Features

- Tooth edge and back edge coated with wear protection
- Extra wide step set and variable tooth pitch

## The coated special design for residual stress materials

### Applications

- Profiles and girders with residual stress
- For steel construction and industrial profile cuts

### Advantages

- Productivity increase by high cutting rate
- No jamming in the cutting channel

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |
|-------------------|---------------|--------------------|----------|
| Width x thickness |               |                    |          |
| mm                | Inch          | 3-4                | 2-3      |
| 41 x 1.30         | 1-5/8 x 0.050 | P                  | P        |
| 54 x 1.60         | 2-1/8 x 0.063 | P                  | P        |
| 67 x 1.60         | 2-5/8 x 0.063 | P                  | P        |
| Contact length    | [mm]          | 80-160             | 150-300  |
|                   | [Inch]        | 3.1-6.3            | 5.9-11.8 |

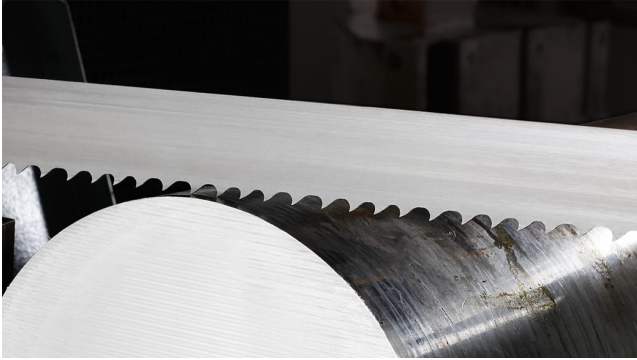
P = Profile tooth

## Materials Overview

- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# SKALAR<sup>®</sup> M42

The high performing band saw blade



⚙ 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



## The high performing band saw blade

### Applications

- High cutting rate, also continuous operation in industrial production
- All metals with a tensile strength up to 1000 N/mm<sup>2</sup>

### Advantages

- Short cutting time, lower cutting forces and smoother running
- Fewer blade changes due to increased blade-life

### Features

- Ground contour with specially matched tooth pitch
- M42 cutting edge with extra positive rake angle
- Special set for optimal chip division

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |           |           |           |           |
|-------------------|----------------|--------------------|----------|-----------|-----------|-----------|-----------|
| Width x thickness |                |                    |          |           |           |           |           |
| 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                  | 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]           | 100-220            | 180-350  | 300-600   | 400-700   | 500-1000  | 900-2000  |
|                   | [Inch]         | 3.9-8.7            | 7.1-13.8 | 11.8-23.6 | 15.7-27.6 | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# SKALAR<sup>®</sup> PREMIUM M42

High performance and extra blade-life



⚙ 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



### High performance and extra blade-life

#### Applications

- High cutting rate, also continuous operation in large sawmills
- All metals with a tensile strength up to 1000 N/mm<sup>2</sup>

#### Advantages

- 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

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |           |           |           |           |
|-------------------|----------------|--------------------|----------|-----------|-----------|-----------|-----------|
| Width x thickness |                |                    |          |           |           |           |           |
| 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        |           |           |           |           |
| 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]           | 100-220            | 180-350  | 300-600   | 400-700   | 500-1000  | 900-2000  |
|                   | [Inch]         | 3.9-8.7            | 7.1-13.8 | 11.8-23.6 | 15.7-27.6 | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

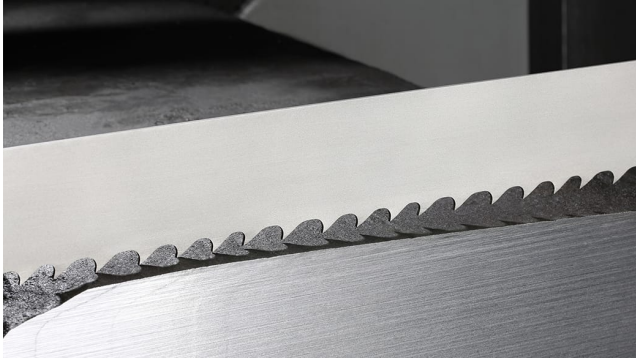
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# SKALAR<sup>®</sup> X3000<sup>®</sup>

The powerful band saw blade for high-tensile 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



### The powerful band saw blade for high-tensile materials

#### Application:

- Outstanding cutting rate with high-alloy austenitic materials
- Electroslag remelted material, material as of 1000 N/mm<sup>2</sup> tensile strength
- Continuous operation in large sawmills

#### Advantages:

- High efficiency by excellent cutting performance
- Fewer blade changes due to increased blade-life
- Lower cutting forces and smoother running

#### Features:

- Ground contour with specially matched tooth pitch
- Tooth edge made of the cutting material X3000<sup>®</sup> with positive rake angle
- Special set for optimal chip division

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |           |           |           |           |
|-------------------|----------------|--------------------|----------|-----------|-----------|-----------|-----------|
| Width x thickness |                |                    |          |           |           |           |           |
| 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        | K         | K         | K         |           |
| 67 x 1.60         | 2-5/8 x 0.063  |                    | K        | 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]           | 100-220            | 180-350  | 300-600   | 400-700   | 500-1000  | 900-2000  |
|                   | [Inch]         | 3.9-8.7            | 7.1-13.8 | 11.8-23.6 | 15.7-27.6 | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

## Materials Overview



- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Aluminium bronzes

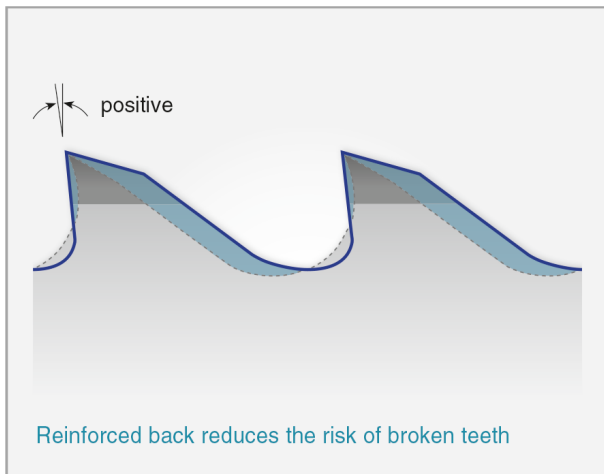
# PROFLEX® SW M42

Special design for profiles made of residual stress material



- ⚙ Product level 2
- 🔧 Profile tooth
- Profiles
- ↕ Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

## Product Information



### Features

- Extra wide step set and variable tooth pitch
- Extremely sturdy tooth contour
- M42 tooth edge with positive rake angle

## Special design for profiles made of residual stress material

### Applications

- Profiles and girders with residual stress
- For steel construction and industrial profile cuts

### Advantages

- No jamming in the cutting channel

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |
|-------------------|---------------|--------------------|----------|
| Width x thickness |               |                    |          |
| mm                | Inch          | 3-4                | 2-3      |
| 34 x 1.10         | 1-3/8 x 0.042 | P                  |          |
| 41 x 1.30         | 1-5/8 x 0.050 | P                  | P        |
| 54 x 1.30         | 2-1/8 x 0.050 | P                  |          |
| 54 x 1.60         | 2-1/8 x 0.063 | P                  | P        |
| 67 x 1.60         | 2-5/8 x 0.063 | P                  | P        |
| Contact length    | [mm]          | 80-160             | 150-300  |
|                   | [Inch]        | 3.1-6.3            | 5.9-11.8 |

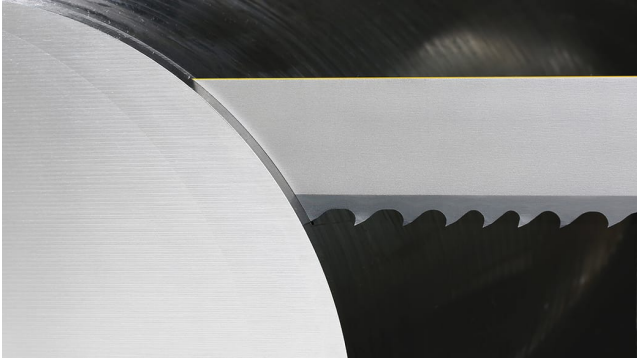
P = Profile tooth

## Materials Overview

- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# SELEKTA® GS PREMIUM M42

High performance, Superfinishing and extra blade-life



- ⚙ Product level 3
- 🪚 Hook tooth
- Solid materials
- ↕ Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

## Product Information



With the special coating in combination with the patented tooth geometry it is possible to achieve a considerable increase of blade-life compared to the uncoated version. The cutting performance is at least the same. Furthermore, the processed material is characterized by a high surface quality.

### High performance, Superfinishing and extra blade-life

With the new development of the hard material-coated version of SELEKTA® GS M42 we meet high requirements on performance and lifetime.

## Your advantages at a glance



### high cutting performance

due to patented performance and surface teeth



### high efficiency

due to an excellent blade-life



### low finishing

due to perfect surface quality



### lower material allowance

by exact gating

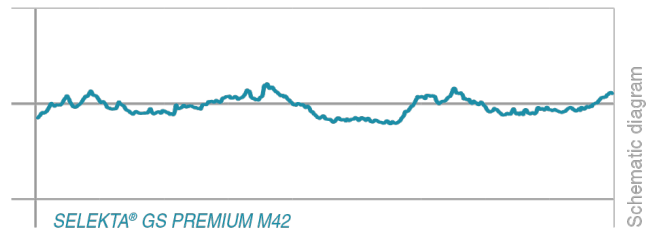
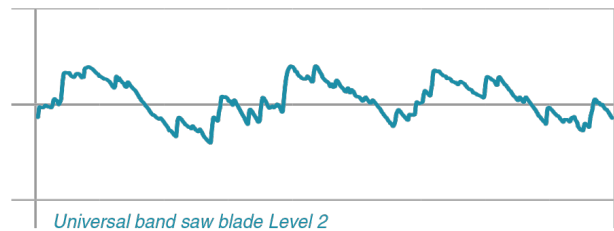
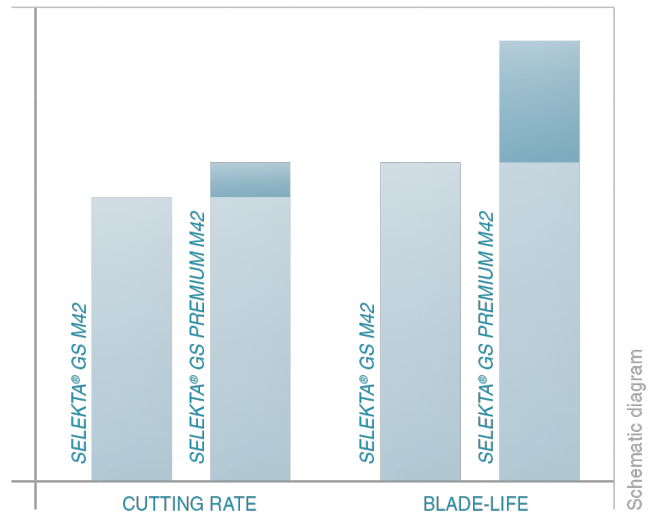


### low friction

due to back edge coating



- smooth, low vibration and very long running



## Application Range

### Applications

- solid material
- metals up to 1400 N/mm<sup>2</sup> tensile strength

### Features

- M42 tooth edge with special coating
- patented performance and surface teeth
- back edge coating for less friction

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |          |
|-------------------|---------------|--------------------|----------|----------|
| Width x thickness |               |                    |          |          |
| mm                | Inch          | 3-4                | 2-3      | 1.4-2    |
| 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        |
| Contact length    | [mm]          | 80-170             | 150-300  | 250-550  |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 | 9.8-21.6 |

K = Hook tooth

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# PRIMAR<sup>®</sup> M42

The versatile option in Level-1 for small and medium-sized workpieces



- ⚙ Product level 1
- 🔧 Standard or hook tooth
- 🔵 Profiles + Solid materials
- ↕ Band width 6 x 0.65 - 67 x 1.6mm  
Band width 1/4 x 0.025 - 2-5/8 x 0.063 Inch

## Product Information



### The versatile option in Level-1 for small and medium-sized workpieces

With PRIMAR<sup>®</sup> M42 WIKUS is also setting standards in the bimetal Level-1 segment. The innovative production process guarantees good product properties and a good blade-life - and all of this with a versatile range of applications.

The cost per cut can be reduced, thanks to the high degree of process reliability. As a result of the super-finish, the optimised contours on the tooth cutting edges produce improved cutting surfaces.



### Application Range

#### Applications

- small to medium-sized workpieces
- solids and profiles
- workshops and smaller industrial applications
- all metals up to 1000 N/mm<sup>2</sup> tensile strength

## Features

- M42 tooth edge with customised rake angle
- optimised variable tooth pitch and standard tooth setting

## Advantages at a glance



**less frequent blade changes**  
thanks to universal field of application



**good blade-life**  
thanks to new manufacturing processes



**low operating noise**  
thanks to variable tooth pitch



**good cutting surface**  
thanks to precise tooth setting



**very good price-performance-ratio**  
in the Level-1 segment



## QR code for ParaMaster<sup>®</sup> APP

When scanning the QR code on the blade with the [ParaMaster<sup>®</sup> App](#), the blade data are transmitted automatically.

## Technical Data (1/3)

| Dimensions        |                | Tooth pitch in ZpZ |         |       |         |        |         |
|-------------------|----------------|--------------------|---------|-------|---------|--------|---------|
| Width x thickness |                | variable           |         |       |         |        |         |
| mm                | Inch           | 10-14              | 8-12    | 6-10  | 5-8     | 4-6    | 3-4     |
| 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 0.50         | 1/2 x 0.020    |                    |         |       |         |        |         |
| 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       |
| 41 x 1.30         | 1-5/8 x 0.042  |                    |         |       |         | K      | K       |
| 54 x 1.30         | 2-1/8 x 0.050  |                    |         |       |         |        | K       |
| 54 x 1.60         | 2-1/8 x 0.063  |                    |         |       |         |        | K       |
| 67 x 1.60         | 2-5/8 x 0.063  |                    |         |       |         |        |         |
| Contact length    | [mm]           | < 20               | 10-30   | 20-50 | 30-60   | 50-100 | 80-170  |
|                   | [Inch]         | < 0.8              | 0.4-1.2 | 0.8-2 | 1.2-2.4 | 2-3.9  | 3.1-6.7 |

S = Standard tooth

K = Hook tooth

K\* = Wide set for non-ferrous metals

## Technical Data (2/3)

| Dimensions        |                | Tooth pitch in ZpZ |          |           |          |       |       |
|-------------------|----------------|--------------------|----------|-----------|----------|-------|-------|
| Width x thickness |                | variable           |          |           | constant |       |       |
| mm                | Inch           | 2-3                | 1.4-2    | 1-1.4     | 18       | 14    | 6     |
| 6 x 0.65          | 1/4 x 0.025    |                    |          |           |          |       |       |
| 6 x 0.90          | 1/4 x 0.035    |                    |          |           |          |       | K     |
| 10 x 0.90         | 3/8 x 0.035    |                    |          |           |          |       | K     |
| 13 x 0.50         | 1/2 x 0.020    |                    |          |           |          | S     |       |
| 13 x 0.65         | 1/2 x 0.025    |                    |          |           |          | S     |       |
| 20 x 0.90         | 3/4 x 0.035    |                    |          |           | S        |       |       |
| 27 x 0.90         | 1-1/16 x 0.035 | K                  |          |           | S        | S     |       |
| 34 x 1.10         | 1-3/8 x 0.042  | K                  |          |           |          |       |       |
| 41 x 1.30         | 1-5/8 x 0.042  | 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         |          |       |       |
| 67 x 1.60         | 2-5/8 x 0.063  | K                  | K        | K         |          |       |       |
| Contact length    | [mm]           | 150-300            | 250-550  | 500-1000  | < 10     | < 15  | 50-80 |
|                   | [Inch]         | 5.9-11.8           | 9.8-21.6 | 19.7-39.4 | < 0.4    | < 0.6 | 2-3.1 |

S = Standard tooth

K = Hook tooth

K\* = Wide set for non-ferrous metals

## Technical Data (3/3)

| Dimensions            |                        | Tooth pitch in ZpZ |                    |                     |
|-----------------------|------------------------|--------------------|--------------------|---------------------|
| Width x thickness     |                        | constant           |                    |                     |
| mm                    | Inch                   | 4                  | 3                  | 2                   |
| 6 x 0.65              | 1/4 x 0.025            |                    |                    |                     |
| 6 x 0.90              | 1/4 x 0.035            |                    |                    |                     |
| 10 x 0.90             | 3/8 x 0.035            | K                  |                    |                     |
| 13 x 0.50             | 1/2 x 0.020            |                    |                    |                     |
| 13 x 0.65             | 1/2 x 0.025            |                    |                    |                     |
| 20 x 0.90             | 3/4 x 0.035            | K*                 | K*                 |                     |
| 27 x 0.90             | 1-1/16 x 0.035         | K*                 | K*                 | K*                  |
| 34 x 1.10             | 1-3/8 x 0.042          |                    | K*                 |                     |
| 41 x 1.30             | 1-5/8 x 0.042          |                    |                    |                     |
| 54 x 1.30             | 2-1/8 x 0.050          |                    |                    |                     |
| 54 x 1.60             | 2-1/8 x 0.063          |                    |                    |                     |
| 67 x 1.60             | 2-5/8 x 0.063          |                    |                    |                     |
| <b>Contact length</b> | <b>[mm]<br/>[Inch]</b> | 80-120<br>3.1-4.7  | 120-200<br>4.7-7.9 | 200-400<br>7.9-15.7 |

S = Standard tooth

K = Hook tooth

K\* = Wide set for non-ferrous metals

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals

# FUTURA<sup>®</sup>

The high-performance bestseller band saw blade



⚙ Product level 3

🔧 Trapezoid 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



### The high-performance bestseller band saw blade

#### Applications

- Structural, case-hardened, tempering and tool steels
- Serial sections

#### Advantages

- Outstanding cutting performance for increased productivity
- High blade-life thanks to optimal chip division

#### Features

- Ground trapezoid tooth with positive rake angle
- High-performance chip division

## Technical Data (1/2)

| Dimensions        |                | Tooth pitch in ZpZ |          |         |         |         |           |
|-------------------|----------------|--------------------|----------|---------|---------|---------|-----------|
| Width x thickness |                |                    |          |         |         |         |           |
| mm                | Inch           | 3-4                | 2-3      | 1.7-2   | 1.4-2   | 1.2-1.6 | 1-1.4     |
| 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         |
| Contact length    | [mm]           | 80-170             | 150-300  | 250-370 | 290-550 | 400-750 | 500-1000  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 | 0.8-1.9 | 1.2-2.4 | 2-4     | 19.7-39.4 |

T = Trapezoid tooth

## Technical Data (2/2)

| Dimensions        |                | Tooth pitch in ZpZ |
|-------------------|----------------|--------------------|
| Width x thickness |                |                    |
| mm                | Inch           | 0.85-1.15          |
| 27 x 0.90         | 1-1/16 x 0.035 |                    |
| 34 x 1.10         | 1-3/8 x 0.042  |                    |
| 41 x 1.30         | 1-5/8 x 0.050  |                    |
| 54 x 1.30         | 2-1/8 x 0.050  |                    |
| 54 x 1.60         | 2-1/8 x 0.063  |                    |
| 67 x 1.60         | 2-5/8 x 0.063  | T                  |
| 80 x 1.60         | 3-1/8 x 0.063  | T                  |
| Contact length    | [mm]           | 700-1400           |
|                   | [Inch]         | 27.6-55.1          |

T = Trapezoid tooth

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron

# FUTURA<sup>®</sup> PREMIUM

The high-performance bestseller band saw blade coated with hard material



- ⚙ Product level 3
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 34 x 1.1 - 80 x 1.6mm  
Band width 1-3/8 x 0.042 - 3-1/8 x 0.063 Inch

## Product Information



### The high-performance bestseller band saw blade coated with hard material

#### Applications

- Structural, case-hardened, tempering and tool steels
- Serial sections

#### Advantages

- For extension of machine capacity in case of bottlenecks
- Reliable even in shift work without manpower
- Reduction of noise emission

#### Features

- Special hard material coating for steel cutting
- Extra back edge coating for lower friction

## Technical Data (1/2)

| Dimensions        |               | Tooth pitch in ZpZ |          |         |         |         |           |
|-------------------|---------------|--------------------|----------|---------|---------|---------|-----------|
| Width x thickness |               |                    |          |         |         |         |           |
| mm                | Inch          | 3-4                | 2-3      | 1.7-2   | 1.4-2   | 1.2-1.6 | 1-1.4     |
| 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         |
| Contact length    | [mm]          | 80-170             | 150-300  | 250-370 | 290-550 | 400-750 | 500-1000  |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 | 0.8-1.9 | 1.2-2.4 | 2-4     | 19.7-39.4 |

T = Trapezoid tooth

## Technical Data (2/2)

| Dimensions            |                        | Tooth pitch in ZpZ    |
|-----------------------|------------------------|-----------------------|
| Width x thickness     |                        |                       |
| mm                    | Inch                   | 0.85-1.15             |
| 34 x 1.10             | 1-3/8 x 0.042          |                       |
| 41 x 1.30             | 1-5/8 x 0.050          |                       |
| 54 x 1.30             | 2-1/8 x 0.050          |                       |
| 54 x 1.60             | 2-1/8 x 0.063          |                       |
| 67 x 1.60             | 2-5/8 x 0.063          | T                     |
| 80 x 1.60             | 3-1/8 x 0.063          | T                     |
| <b>Contact length</b> | <b>[mm]<br/>[Inch]</b> | 700-1400<br>27.6-55.1 |

T = Trapezoid tooth

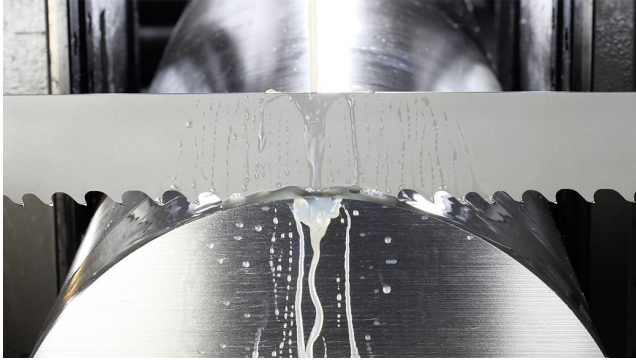
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron

# FUTURA<sup>®</sup> VA

The high-performance bestseller for stainless steels



- ⚙ Product level 3
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

## Product Information



### The high-performance bestseller for stainless steels

#### Applications

- All rust- and acid-resistant steels, titanium and titanium alloys
- Serial sections

#### Advantages

- Optimal chip formation and perfect surface quality
- Good cutting performance for reduced cutting time
- Good blade-life reduces setup and downtime

#### Features

- Tooth edges made of specific carbide
- Ground trapezoid tooth with extra positive rake angle
- Optimal chip division for tough and high-strength materials

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |         |
|-------------------|---------------|--------------------|----------|---------|
| Width x thickness |               |                    |          |         |
| mm                | Inch          | 3-4                | 2-3      | 1.4-2   |
| 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        | T       |
| 54 x 1.60         | 2-1/8 x 0.063 |                    | T        | T       |
| 67 x 1.60         | 2-5/8 x 0.063 |                    |          | T       |
| Contact length    | [mm]          | 80-170             | 150-300  | 290-550 |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 | 1.2-2.4 |

T = Trapezoid tooth

## Materials Overview



- Rust-proof and acid-resistant steels (ferretic)
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Aluminium bronzes

# FUTURA<sup>®</sup> PREMIUM VA

The high-performance bestseller with hard material coating for stainless steels



- ⚙ Product level 3
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 41 x 1.3 - 80 x 1.6mm  
Band width 1-5/8 x 0.050 - 3-1/8 x 0.063 Inch

## Product Information



### The high-performance bestseller with hard material coating for stainless steels

#### Applications

- All rust- and acid-resistant steels, titanium and titanium alloys
- Serial sections

#### Advantages

- Outstanding cutting performance to bridge bottlenecks
- Guarantee for cutting larger stainless steel cross-sections
- Smooth and low vibration running

#### Features

- Special hard material coating for cutting stainless steels
- Extra back edge coating for lower friction

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |         |           |           |
|-------------------|---------------|--------------------|----------|---------|-----------|-----------|
| Width x thickness |               |                    |          |         |           |           |
| mm                | Inch          | 3-4                | 2-3      | 1.4-2   | 1-1.4     | 0.85-1.15 |
| 41 x 1.30         | 1-5/8 x 0.050 | T                  | T        | T       |           |           |
| 54 x 1.60         | 2-1/8 x 0.063 |                    | T        | T       |           |           |
| 67 x 1.60         | 2-5/8 x 0.063 |                    |          | T       | T         |           |
| 80 x 1.60         | 3-1/8 x 0.063 |                    |          |         | T         | T         |
| Contact length    | [mm]          | 80-170             | 150-300  | 290-550 | 500-1000  | 700-1400  |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 | 1.2-2.4 | 19.7-39.4 | 27.6-55.1 |

T = Trapezoid tooth

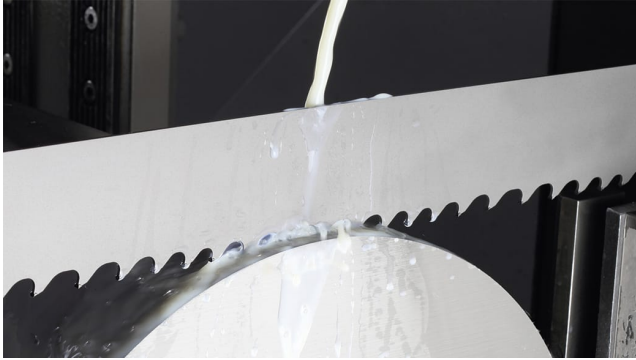
## Materials Overview



- Rust-proof and acid-resistant steels (ferretic)
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Aluminium bronzes

# FUTURA<sup>®</sup> 718

The best band saw blade for nickel-base alloys



- ⚙ Product level 3
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 41 x 1.3 - 80 x 1.6mm  
Band width 1-5/8 x 0.050 - 3-1/8 x 0.063 Inch

## Product Information



### The best band saw blade for nickel-base alloys

#### Applications

- Solid material of steels, which are difficult to cut
- Nickel-based alloys
- Heat-resistant, highly heat resisting and Duplex steels

#### Advantages

- Outstanding cutting performance even with materials, which are extremely difficult to cut
- Perfect blade-life in spite of highly abrasive materials
- Low material loss by excellent ingating
- Excellent cutting surface quality reduces finishing

#### Features

- Tooth edges made of optimal carbide for high-strength tough materials
- Perfectly ground trapezoid teeth with optimal geometry
- Backing material with special shape forming

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |         |           |
|-------------------|---------------|--------------------|---------|-----------|
| Width x thickness |               |                    |         |           |
| mm                | Inch          | 2-3                | 1.4-2   | 1-1.4     |
| 41 x 1.30         | 1-5/8 x 0.050 | 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       |           |
| 67 x 1.60         | 2-5/8 x 0.063 |                    | T       | T         |
| 80 x 1.60         | 3-1/8 x 0.063 |                    |         | T         |
| Contact length    | [mm]          | 150-300            | 290-550 | 500-1000  |
|                   | [Inch]        | 5.9-11.8           | 1.2-2.4 | 19.7-39.4 |

T = Trapezoid tooth

## Materials Overview



- Nickel-based alloys
- Duplex and heat-resistant steels

# DUROSET<sup>®</sup>

The sturdy all-round band saw blade



- ⚙ Product level 2
- 🪚 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



### The sturdy all-round band saw blade

#### Applications

- All steels, suitable for forged and scaled surfaces
- Solid material and thick-walled tubes

#### Advantages

- Increased productivity of the machinery
- Sturdy design for increased wear resistance

#### Features

- Set tooth geometry with positive rake angle, variable tooth pitch
- Optimised sectional chip division

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |         |           |           |
|-------------------|----------------|--------------------|----------|---------|-----------|-----------|
| Width x thickness |                |                    |          |         |           |           |
| mm                | Inch           | 2.5-3.4            | 1.8-2.5  | 1.4-1.8 | 1-1.4     | 0.7-1     |
| 27 x 0.90         | 1-1/16 x 0.035 | 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]           | 100-220            | 180-350  | 300-700 | 500-1000  | 900-2000  |
|                   | [Inch]         | 3.9-8.7            | 7.1-13.8 | 4-9     | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

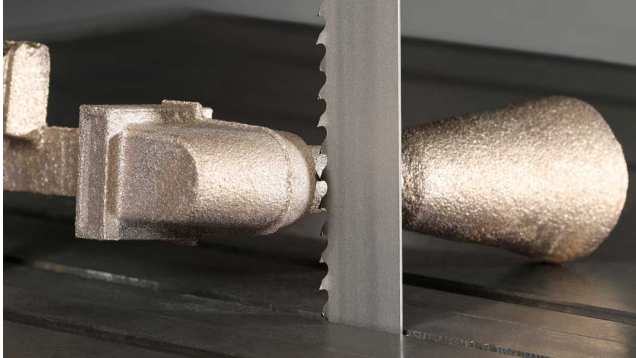
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Nitrided steel, high-speed steel and tool steel
- Titanium / titanium alloys
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Cast iron
- Aluminium bronzes

# DUROSET<sup>®</sup> NE

The set special design for non-ferrous metals



- ⚙ Product level 2
- 🪚 Hook tooth
- Solid materials
- ↕ Band width 20 x 0.9 - 34 x 1.1mm  
Band width 3/4 x 0.035 - 1-3/8 x 0.042 Inch

## Product Information



### The set special design for non-ferrous metals

#### Applications

- Contour and radius cuts on non-ferrous metals
- Automatic and especially manual feed

#### Advantages

- High cutting performance increases productivity
- High blade-life even with deviating conditions

#### Features

- Extra wide set
- Ground trapezoid tooth with positive rake angle
- Tooth edges made of specific carbide to prevent abrasion

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |
|-------------------|----------------|--------------------|----------|
| Width x thickness |                |                    |          |
| mm                | Inch           | 3                  | 2        |
| 20 x 0.90         | 3/4 x 0.035    | K                  |          |
| 27 x 0.90         | 1-1/16 x 0.035 | K                  |          |
| 34 x 1.10         | 1-3/8 x 0.042  | K                  | K        |
| Contact length    | [mm]           | 120-200            | 200-400  |
|                   | [Inch]         | 4.7-7.9            | 7.9-15.7 |

K = Hook tooth

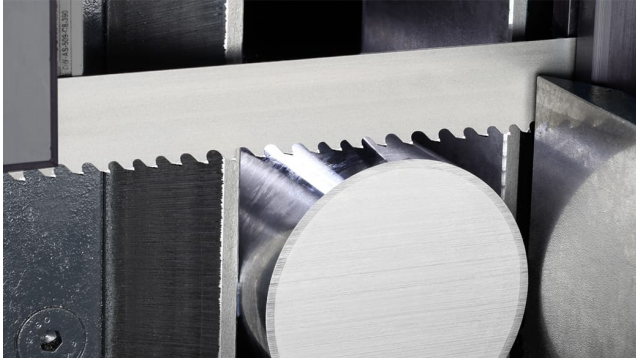
## Materials Overview



- Aluminium / aluminium alloys
- Non-ferrous metals

# FUTURA<sup>®</sup> SN

The specialist for "hard shell and soft core"



⚙ Product level S

🔪 Tooth shape TSN

● Solid materials

Band width 27 x 0.9 - 67 x 1.6mm

↕ Band width 1-1/16 x 0.035 - 2-5/8 x 0.063  
Inch

## Product Information



The specialist for "hard shell and soft core"

### Application

- Surface hardened components and hard chrome plated workpieces
- Through hardened steels up to 65 HRC, Manganese high carbon steel

### Advantages

- Hardened materials machined by cutting
- Good cutting rates and good surface quality
- Increased efficiency due to high blade-life

### Features

- Optimised special geometry with negative rake angle
- Ground trapezoid tooth without set

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |
|-------------------|----------------|--------------------|----------|
| Width x thickness |                |                    |          |
| mm                | Inch           | 3-4                | 2-3      |
| 27 x 0.90         | 1-1/16 x 0.035 | TSN                |          |
| 34 x 1.10         | 1-3/8 x 0.042  | TSN                | TSN      |
| 41 x 1.30         | 1-5/8 x 0.050  | TSN                | TSN      |
| 54 x 1.60         | 2-1/8 x 0.063  |                    | TSN      |
| 67 x 1.60         | 2-5/8 x 0.063  |                    | TSN      |
| Contact length    | [mm]           | 80-170             | 150-300  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 |

TSN = Tooth shape TSN

UPGRADE: The new product generation of WIKUS' proven special band saw blade FUTURA® SN is available effective immediately. Tool lives up to twice as long can be achieved compared to the previous version thanks to its optimized tooth geometry in conjunction with the perfectly matched cutting material.

## Materials Overview



- Case-hardened components

# PROFIDUR<sup>®</sup>

The coated professional for profiles



- ⚙ Product level 3
- 🔪 Trapezoid tooth
- 🔵 Profiles
- ↕ Band width 54 x 1.3 - 67 x 1.6mm

## Product Information



### The coated professional for profiles

#### Applications

- Girders and profiles
- Perfectly for industrial steel construction

#### Advantages

- Capacity increase by maximum cutting performance and blade-life
- Low-burr and precise cuts
- Considerable reduction of noise emission

#### Features

- Patented tooth geometry for interrupted cutting channel
- Sturdy carbide-tipped tooth edges coated with hard material

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |
|-------------------|---------------|--------------------|----------|
| Width x thickness |               |                    |          |
| mm                | Inch          | 3-4                | 2-3      |
| 54 x 1.30         | 2-1/8 x 0.050 |                    | T        |
| 54 x 1.60         | 2-1/8 x 0.063 | T                  | T        |
| 67 x 1.60         | 2-5/8 x 0.063 |                    | T        |
| Contact length    | [mm]          | 90-150             | 150-270  |
|                   | [Inch]        | 3.5-5.9            | 5.9-10.6 |

T = Trapezoid tooth

## Materials Overview

- Case-hardened steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron

# ARION<sup>®</sup> FG

The premium class of band sawing



-  Product Level S
-  Trapezoid tooth
-  Solid materials
-  Band width 54 x 1.1 - 100 x 1.1mm

## Product Information



### The premium class of band sawing

#### Application:

- Solid materials, structural, case-hardened and tempering steels
- Large-scale production and mass cuts on heavy duty sawing machines

#### Advantages:

- Utmost productivity by maximum cutting performance
- Low material loss by thin-cutting technology
- Excellent efficiency by high blade-life
- Precise flatness of the cutting surface

#### Features:

- Carbide-tipped tooth edge with extremely wear-resistant hard material coating
- Ground trapezoid tooth (FUTURA<sup>®</sup> geometry)
- Thin-cutting technology with extraordinary blade stability

## Technical Data

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |         |          |          |           |           |
|-------------------|---------------|--------------------|---------|----------|----------|-----------|-----------|
| Width x thickness |               |                    |         |          |          |           |           |
| mm                | Inch          | 3-4                | 2-3     | 1.7-2    | 1.4-2    | 1-1.4     | 0.7-1     |
| 54 x 1.10         | 2-1/8 x 0.042 | T                  | T       | T        | T        |           |           |
| 67 x 1.10         | 2-5/8 x 0.042 | T                  | T       | T        | T        | T         |           |
| 80 x 1.10         | 3-1/8 x 0.042 |                    | T       |          | T        | T         |           |
| 100 x 1.10        | 4 x 0.042     |                    | T       |          | T        | T         | T         |
| Contact length    | [mm]          | 90-150             | 130-250 | 200-300  | 250-500  | 500-800   | 800-2000  |
|                   | [Inch]        | 3.5-5.9            | 5.1-9.8 | 7.9-11.8 | 9.8-19.7 | 19.7-31.5 | 31.5-78.7 |

T = Trapezoid tooth

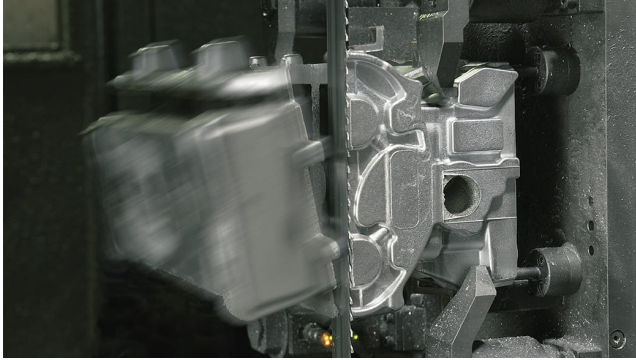
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron

# FUTURA<sup>®</sup> NE

The high-performance bestseller for non-ferrous metals



⚙ Product level 3

📐 Trapezoid 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



### The high-performance bestseller for non-ferrous metals

#### Applications

- Aluminum mould and die castings, aluminum ingots and aluminum milling products
- Copper and copper alloys

#### Advantages

- Short clock rates and outstanding productivity due to high cutting performance
- Low material allowance by optimal surface quality
- Process reliability by high resistance against abrasion

#### Features

- Tooth edges made of specific carbide to prevent abrasion
- Ground trapezoid tooth with positive rake angle
- Optimal chip division for performance and surface quality

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |         |           |           |
|-------------------|----------------|--------------------|----------|---------|-----------|-----------|
| Width x thickness |                |                    |          |         |           |           |
| mm                | Inch           | 3-4                | 2-3      | 1.4-2   | 0.85-1.15 | 0.7-1     |
| 27 x 0.90         | 1-1/16 x 0.035 | 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       |           |           |
| 54 x 1.30         | 2-1/8 x 0.050  |                    |          | 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       |           |           |
| 80 x 1.60         | 3-1/8 x 0.063  |                    |          |         | T         | T         |
| Contact length    | [mm]           | 80-170             | 150-300  | 290-550 | 700-1400  | 900-2000  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 | 1.2-2.4 | 27.6-55.1 | 35.4-78.7 |

T = Trapezoid tooth

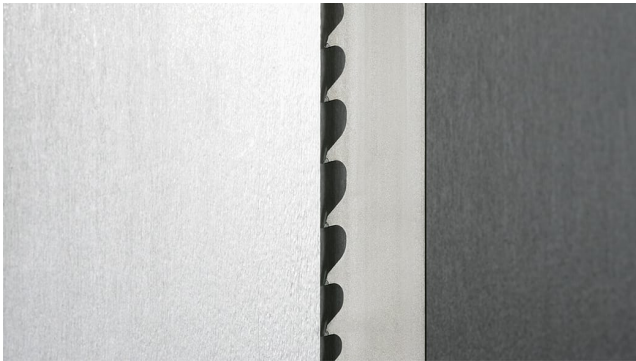
## Materials Overview



- Aluminium / aluminium alloys
- Non-ferrous metals

# ECODUR<sup>®</sup>

The low-cost band saw blade for non-ferrous foundries



-  Product level 2
-  Trapezoid tooth
-  Solid materials
-  Band width 13 x 0.8 - 54 x 1.6mm  
Band width 1/2 x 0.032 - 2-1/8 x 0.063 Inch

## Product Information



### The low-cost band saw blade for non-ferrous foundries

#### Applications

- For cutting gates and risers on non-ferrous castings
- Aluminum and aluminum alloys in solid material or profiles
- Copper and copper alloys in solid material or profiles

#### Advantages

- Productivity increase due to short cutting times
- Low finishing due to perfect surface quality

#### Features

- Tooth edges made of specific carbide to prevent abrasive wear
- Ground trapezoid tooth with positive rake angle
- Patented chip division for performance and cutting surface quality

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |         |           |
|-------------------|----------------|--------------------|----------|---------|-----------|
| Width x thickness |                |                    |          |         |           |
| mm                | Inch           | 3-4                | 2-3      | 1.4-2   | 0.85-1.15 |
| 13 x 0.80         | 1/2 x 0.032    | T                  |          |         |           |
| 20 x 0.90         | 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         |
| Contact length    | [mm]           | 80-170             | 150-300  | 290-550 | 700-1400  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 | 1.2-2.4 | 27.6-55.1 |

T = Trapezoid tooth

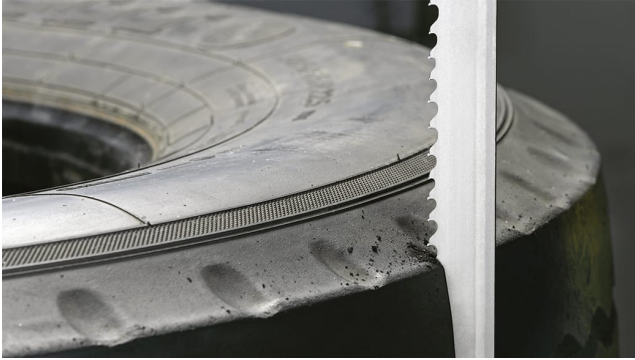
## Materials Overview



- Aluminium / aluminium alloys
- Non-ferrous metals

# TCTYRE<sup>®</sup>

The special band saw blade for tires and rubber / metal composites



- ⚙ Product Level S
- 🔪 Trapezoid tooth
- 🛞 Tyres
- 📏 Band width 27 x 0.9 - 54 x 1.6mm

## Product Information



### The special band saw blade for tires and rubber / metal composites

#### Application

- for quality analysis of tires of all kinds
- for the economic comminution of rubber composite material

#### Advantages

- significantly reduced cutting force due to specific cutting edge
- good cutting surface for immediate analysis
- long blade-life even with very large tires

#### Features

- carbide cutting edge with high wear resistance
- specific cutting geometry for rubber composite material

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |
|-------------------|----------------|--------------------|----------|
| Width x thickness |                |                    |          |
| mm                | Inch           | 3-4                | 2-3      |
| 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        |
| 54 x 1.30         | 2-1/8 x 0.050  |                    | T        |
| 54 x 1.60         | 2-1/8 x 0.063  |                    | T        |
| Contact length    | [mm]           | 90-150             | 150-270  |
|                   | [Inch]         | 3.5-5.9            | 5.9-10.6 |

T = Trapezoid tooth

## Materials Overview



- Tyres

# TCT<sup>®</sup>

The band saw blade for mineral materials



-  Product Level S
-  Standard- or Hooktooth
-  Solid materials
-  Band width 13 x 0.8 - 41 x 1.3mm

## Product Information



### The band saw blade for mineral materials

#### Application:

- Gas concrete, graphite
- Insulation materials such as glass and rock wool
- Glass and carbon fibre reinforced plastic

#### Advantages:

- Excellent stability against abrasive wear
- Usable without cooling lubricant

#### Features:

- Carbide-tipped tooth edges with excellent wear resistance
- Precisely set tooth geometry
- Constant tooth pitch

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |         |          |           |
|-------------------|----------------|--------------------|---------|----------|-----------|
| Width x thickness |                |                    |         |          |           |
| mm                | Inch           | 4                  | 3       | 2        | 1.25      |
| 13 x 0.80         | 1/2 x 0.032    | S                  |         |          |           |
| 20 x 0.80         | 3/4 x 0.032    | S                  | K       |          |           |
| 27 x 0.90         | 1-1/16 x 0.035 | S                  | K, S    | K, S     |           |
| 34 x 1.10         | 1-3/8 x 0.042  |                    | K, S    | K        |           |
| 41 x 1.30         | 1-5/8 x 0.050  |                    | K       | K        | K         |
| Contact length    | [mm]           | 80-120             | 120-200 | 200-400  | 300-800   |
|                   | [Inch]         | 3.1-4.7            | 4.7-7.9 | 7.9-15.7 | 11.8-31.5 |

S = Standard tooth

K = Hook tooth

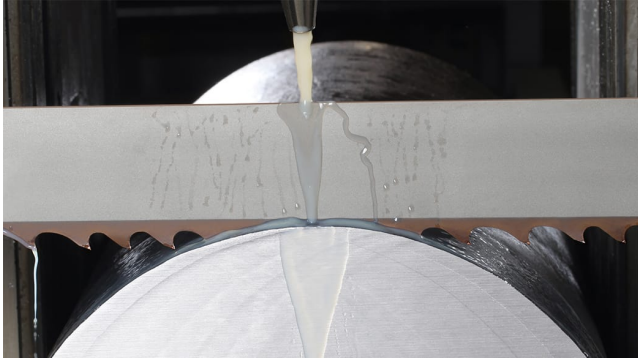
## Materials Overview



- Hard-burnt coal, graphite
- Mineral building materials

# DUROSET<sup>®</sup> PREMIUM

The sturdy all-round band saw blade coated with hard material



-  Product level 2
-  Hook tooth
-  Solid materials
-  Band width 34 x 1.1 - 80 x 1.6mm  
Band width 1-3/8 x 0.042 - 3-1/8 x 0.063 Inch

## Product Information



### The sturdy all-round band saw blade coated with hard material

#### Applications

- All steels, suitable for forged and scaled surfaces
- Solid material and thick-walled tubes

#### Advantages

- Higher blade-life with even shorter cutting time
- Creating capacity potentials in case of bottlenecks

#### Features

- Special hard material coating for steel cutting
- Extra back edge coating for lower friction

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |         |           |           |
|-------------------|---------------|--------------------|---------|-----------|-----------|
| Width x thickness |               |                    |         |           |           |
| mm                | Inch          | 1.8-2.5            | 1.4-1.8 | 1-1.4     | 0.7-1     |
| 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                  |         |           |           |
| 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]          | 180-350            | 300-700 | 500-1000  | 900-2000  |
|                   | [Inch]        | 7.1-13.8           | 4-9     | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

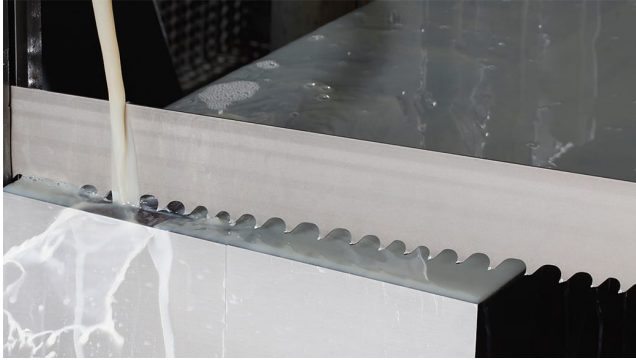
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Nitrided steel, high-speed steel and tool steel
- Titanium / titanium alloys
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Cast iron
- Aluminium bronzes

# TAURUS<sup>®</sup>

The low-cost band saw blade for starters with great features



⚙ Product Level 1

🔧 Trapezoid 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



### The low-cost band saw blade for starters with great features

#### Applications

- All steels and non-ferrous metals
- Solid material

#### Advantages

- Low-cost carbide-tipped band saw blade for manifold use
- Low finishing thanks to good surface quality
- Usable also for machines without carbide-package

#### Features

- Innovative tooth geometry
- Proven carbide cutting material

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |         |         |           |           |
|-------------------|----------------|--------------------|----------|---------|---------|-----------|-----------|
| Width x thickness |                |                    |          |         |         |           |           |
| mm                | Inch           | 3-4                | 2-3      | 1.7-2   | 1.4-2   | 1-1.4     | 0.7-1     |
| 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        | 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]           | 80-170             | 150-300  | 250-370 | 290-550 | 500-1000  | 900-2000  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 | 0.8-1.9 | 1.2-2.4 | 19.7-39.4 | 35.4-78.7 |

T = Trapezoid tooth

## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Nitrided steel, high-speed steel and tool steel
- Titanium / titanium alloys
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Cast iron
- Aluminium / aluminium alloys
- Aluminium bronzes
- Non-ferrous metals

# TAURUS<sup>®</sup> PREMIUM

The starter band saw blade coated with hard material



- ⚙ Product level 1
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 34 x 1.1 - 67 x 1.6mm  
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

## Product Information



### The starter band saw blade coated with hard material

#### Applications

- All steels
- Solid material

#### Advantages

- Perfect cutting performance and outstanding surface
- Long lifetime reduces downtime
- Low vibration and smooth running

#### Features

- Carbide-tipped tooth edges coated with hard material
- Extra back edge coating for lower friction

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |          |         |         |           |
|-------------------|---------------|--------------------|----------|---------|---------|-----------|
| Width x thickness |               |                    |          |         |         |           |
| mm                | Inch          | 3-4                | 2-3      | 1.7-2   | 1.4-2   | 1-1.4     |
| 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       | 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       | T       | T         |
| Contact length    | [mm]          | 80-170             | 150-300  | 250-370 | 290-550 | 500-1000  |
|                   | [Inch]        | 3.1-6.7            | 5.9-11.8 | 0.8-1.9 | 1.2-2.4 | 19.7-39.4 |

T = Trapezoid tooth

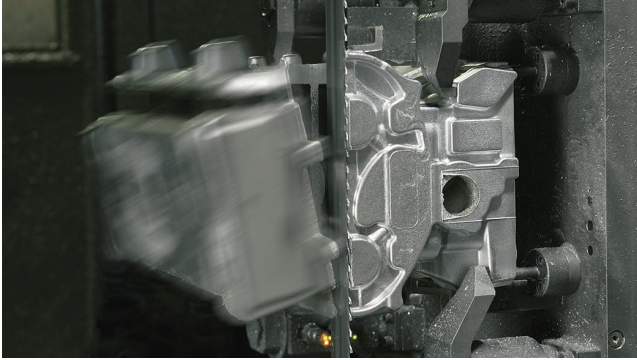
## Materials Overview



- Case-hardened steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Nitrided steel, high-speed steel and tool steel
- Titanium / titanium alloys
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Tempered steels (over 1000 N/mm<sup>2</sup> / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Cast iron
- Aluminium / aluminium alloys
- Aluminium bronzes
- Non-ferrous metals

# FUTURA<sup>®</sup> NE RS

The high-performance bestseller with reduced kerf loss for non-ferrous metals



- ⚙ Product level 3
- 🔧 Trapezoid tooth
- Solid materials
- ↕ Band width 41 x 1.3 - 80 x 1.1mm

## Product Information



### The high-performance bestseller with reduced kerf loss for non-ferrous metals

#### Application

- Cutting of aluminum ingots, aluminum plate production

#### Advantages

- Extreme cutting performance by reduced cutting volume
- Optimised ingot output by reduced offcut
- Perfect cutting surface for lower finishing

#### Features

- Special grinding for reduced kerf width
- Ground trapezoid tooth with positive rake angle
- Optimal chip division for performance and surface quality

## Technical Data

| Dimensions        |               | Tooth pitch in ZpZ |           |           |
|-------------------|---------------|--------------------|-----------|-----------|
| Width x thickness |               |                    |           |           |
| mm                | Inch          | 1.4-2              | 0.85-1.15 | 0.7-1     |
| 41 x 1.30         | 1-5/8 x 0.050 | T                  |           |           |
| 54 x 1.30         | 2-1/8 x 0.050 | T                  |           |           |
| 54 x 1.60         | 2-1/8 x 0.063 |                    | T         | T         |
| 80 x 1.10         | 3-1/8 x 0.042 | T                  |           | T         |
| Contact length    | [mm]          | 290-550            | 700-1400  | 900-2000  |
|                   | [Inch]        | 1.2-2.4            | 27.6-55.1 | 35.4-78.7 |

T = Trapezoid tooth

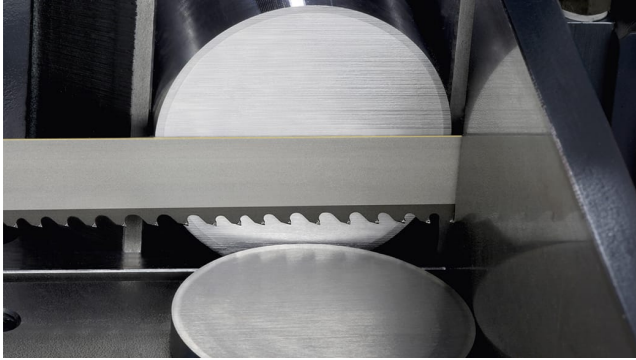
## Materials Overview



- Aluminium / aluminium alloys
- Non-ferrous metals

# FUTURA<sup>®</sup> PREMIUM SN

The specialist with hard material coating for hardest cases



⚙ Product Level S

🔧 Tooth shape TSN

● Solid materials

Band width 27 x 0.9 - 41 x 1.3mm

↕ Band width 1-1/16 x 0.035 - 1-5/8 x 0.050  
Inch

## Product Information



### The specialist with hard material coating for hardest cases

#### Application:

- Edge-zone hardened and hard chrome plated workpieces
- Through hardened steels up to 65 HRC, Manganese steel

#### Advantages:

- Considerable increase of blade-life
- High cutting performance for efficiency increase
- Excellent surface quality

#### Features:

- Carbide-tipped tooth edges coated with high-strength hard material
- Optimised special geometry with negative rake angle
- Extra back edge coating for lower friction

## Technical Data

| Dimensions        |                | Tooth pitch in ZpZ |          |
|-------------------|----------------|--------------------|----------|
| Width x thickness |                |                    |          |
| mm                | Inch           | 3-4                | 2-3      |
| 27 x 0.90         | 1-1/16 x 0.035 | TSN                |          |
| 34 x 1.10         | 1-3/8 x 0.042  | TSN                |          |
| 41 x 1.30         | 1-5/8 x 0.050  | TSN                | TSN      |
| Contact length    | [mm]           | 80-170             | 150-300  |
|                   | [Inch]         | 3.1-6.7            | 5.9-11.8 |

TSN = Tooth shape TSN

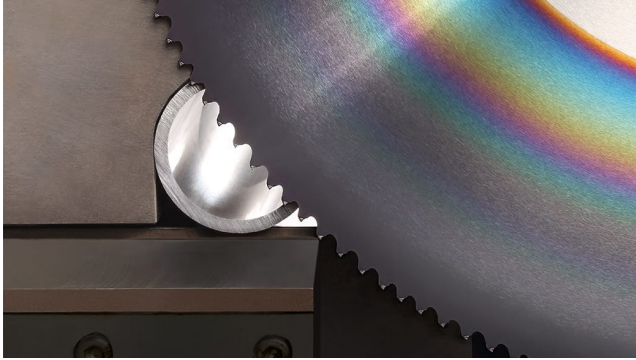
## Materials Overview



- Case-hardened components

# KREOS®

The high-performance circular saw blade with variable tooth pitch for steel pipes and profiles



-  innovative tooth geometry for the interrupted cutting channel
-  variable tooth pitch
-  steels with low carbon levels < 1.5 %

## Product information



*KREOS®* sets standards for processing thin-walled pipes and profiles with small cross-sections and is highly suitable for cutting applications in mass cut production processes as well.

The innovative specific chip space geometry with small variable tooth pitches based on the WIKUS joint technology lend *KREOS®* properties that are unique in the market.

*KREOS®* stands out to its excellent cutting performance that is up to 40% higher than competitive products, making it THE all-round efficient productive solution.

### The high-performance circular saw blade with variable tooth pitch for steel pipes and profiles

Things are really moving at WIKUS. WIKUS demonstrates all its technological and innovative prowess in this new, completely in Spangenberg developed high-tech circular saw blade *KREOS®*.

## Your advantages at a glance



### reduction of cutting costs

thanks to reproducible high cutting performance



### higher productivity

thanks to small variable tooth pitches with carbide tips



### excellent cutting surface quality

thanks to optimal tip geometry



### less saw blade changes and machine downtimes

thanks to a significant increase of blade-life



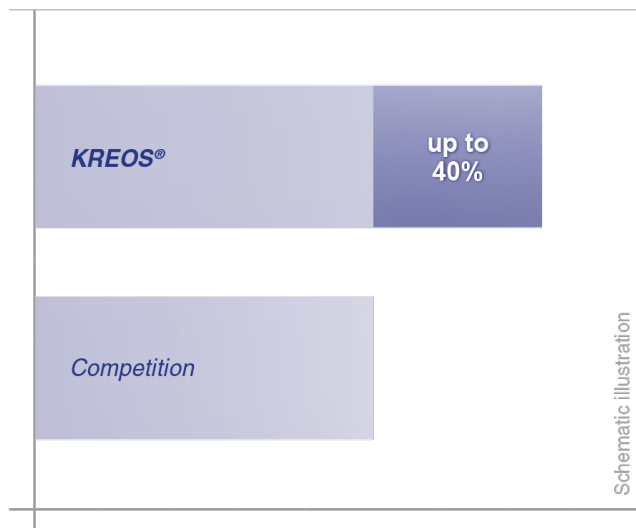
### reduction of sawing noise

thanks to smooth operation with variable tooth pitches

- high-performance circular sawing systems in mass cutting processes

### Features

- innovative tooth geometry for the interrupted cutting channel
- variable tooth pitch
- carbide tipped with hard material coating



Increase of cutting performance

## Application Range

### Applications

- thin-walled pipes and profiles
- steels with low carbon levels < 1.5 %, tensile strength up to 1200 N/mm<sup>2</sup>
- single and multiple cutting

## Technical Data (1/2)

| (D)    | (S1) | (S2) | (d)   | Teeth (T) | Pin holes         |        |
|--------|------|------|-------|-----------|-------------------|--------|
| mm     | mm   | mm   | mm    | variable  | 4                 | 2      |
| 285,00 | 2,00 | 1,75 | 40,00 | 84v       | 4/12/64           |        |
| 285,00 | 2,00 | 1,75 | 32,00 | 144v      | 4/9/50<br>4/11/63 |        |
| 285,00 | 2,50 | 2,25 | 40,00 | 84v       | 4/12/64           |        |
| 315,00 | 2,50 | 2,25 | 40,00 | 66v       | 4/12/64           |        |
| 315,00 | 2,50 | 2,25 | 32,00 | 84v       | 4/9/50            |        |
| 315,00 | 2,50 | 2,25 | 32,00 | 132v      | 4/9/50            |        |
| 315,00 | 2,50 | 2,25 | 40,00 | 132v      | 4/11/63           |        |
| 315,00 | 2,50 | 2,25 | 40,00 | 132v      | 4/12/64           |        |
| 315,00 | 2,50 | 2,25 | 50,00 | 132v      | 4/16/80           |        |
| 315,00 | 2,50 | 2,25 | 32,00 | 168v      | 4/9/50            |        |
| 315,00 | 2,50 | 2,25 | 40,00 | 168v      | 4/12/64           | 2/8/55 |
| 350,00 | 2,50 | 2,25 | 32,00 | 144v      | 4/12/64           |        |
| 350,00 | 2,50 | 2,25 | 50,00 | 144v      | 4/16/80           |        |
| 350,00 | 2,50 | 2,25 | 50,00 | 192v      | 4/16/80           |        |
| 350,00 | 2,70 | 2,50 | 50,00 | 120v      | 4/16/80           |        |
| 350,00 | 2,70 | 2,50 | 32,00 | 144v      | 4/12/64           |        |

## Technical Data (2/2)

| (D)    | (S1) | (S2) | (d)   | Teeth (T) | Pin holes |   |
|--------|------|------|-------|-----------|-----------|---|
| mm     | mm   | mm   | mm    | variable  | 4         | 2 |
| 350,00 | 2,70 | 2,50 | 50,00 | 144v      | 4/16/80   |   |
| 350,00 | 2,70 | 2,50 | 50,00 | 168v      | 4/16/80   |   |
| 360,00 | 2,50 | 2,25 | 50,00 | 102v      | 4/16/80   |   |
| 400,00 | 2,70 | 2,50 | 50,00 | 192v      | 4/16/80   |   |

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Innovative precision tools designed  
and manufactured in Spangenberg,  
Germany