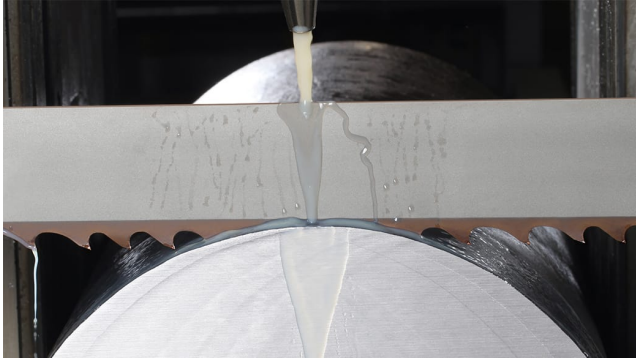


# DUROSET<sup>®</sup> PREMIUM

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

### DUROSET<sup>®</sup> PREMIUM – The robust all-rounder band saw blade with hard coating

The DUROSET<sup>®</sup> PREMIUM owes its extreme robustness to the innovative, precision-ground cutting geometry in combination with a special limitation.

To reduce friction, the back edge of the DUROSET<sup>®</sup> PREMIUM is additionally provided with a hard coating. It offers even greater protection against wear.

#### Application

- All steels, forged and scaled surfaces
- Tempered materials with tensile strength greater than 1000N/mm<sup>2</sup>
- Aluminium bronze and cast iron
- Solid materials and thick-walled tubes and profiles
- Large block machining

#### Advantages

- Impressive increase in productivity

- Capacity potentials in bottlenecks
- Particularly high wear resistance and blade-life
- Low-vibration and smooth running due to variable tooth pitch
- High cutting rate for even shorter cutting times

#### Features

- Special hard coating for steel machining
- Additional back edge coating for lower friction
- Carbide tips in special geometry with positive rake angle for universal

## Technical Data

| Dimensions            |               | Tooth pitch in tpi |           |           |           |
|-----------------------|---------------|--------------------|-----------|-----------|-----------|
| 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         |
| <b>Contact length</b> | <b>[mm]</b>   | 180-350            | 300-700   | 500-1000  | 900-2000  |
|                       | <b>[Inch]</b> | 7.1-13.8           | 11.8-27.5 | 19.7-39.4 | 35.4-78.7 |

K = Hook tooth

## Materials Overview



- Case-hardening 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