

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-hardening 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 |
| 10 x 0.50 | 3/8 x 0.020 |
| 13 x 0.65 | 1/2 x 0.025 |
| 16 x 0.50 | 5/8 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 |
| 27 x 0.70 | 1-1/16 x 0.028 |
| 27 x 0.90 | 1-1/16 x 0.035 |
| 34 x 1.10 | 1-3/8 x 0.042 |
| 41 x 0.50 | 1-5/8 x 0.020 |
| 41 x 0.80 | 1-5/8 x 0.032 |
| 41 x 1.30 | 1-5/8 x 0.050 |
| 50 x 0.90 | 2 x 0.035 |
| 67 x 0.70 | 2-5/8 x 0.028 |
| 80 x 0.90 | 3-1/8 x 0.035 |
| 80 x 1.10 | 3-1/8 x 0.042 |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

Technical Data (2/2)

| Dimensions | |
|-------------------|-----------|
| Width x thickness | |
| mm | Inch |
| 100 x 0.90 | 4 x 0.035 |
| 100 x 1.10 | 4 x 0.042 |

Grain sizes: B91, B126, B252, B602

Alternative grain sizes and band dimensions upon request

Materials Overview



- Hardened high speed steel (HSS), Case-hardening steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite