

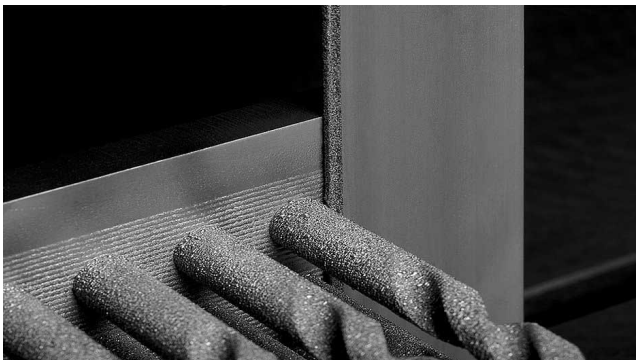
CUBOGRIT[®] K

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 CBN-coated band saw blade

WIKUS expands its portfolio of the coated band saw blades by the new product CUBOGRIT[®] which uses cubic boron nitride (CBN) as cutting material. Cubic boron nitride is the second hardest material known. Besides a high hardness and strength, also thermal and chemical resistance are its properties. Due to these properties, CUBOGRIT[®] band saw blades are ideal for the reliable processing of hardened ferrous materials and hard alloys as well as for hard alloys produced in 3D-print. From now on, even the hardest alloys up to 70 HRC can be cut economically with CUBOGRIT[®].

Application

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

Advantages

- no chipping at the edge of the contours
- low reworking due to very good cutting surfaces

Features

- complete CBN-coating at 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

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-hardening steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite