

# CUBOGRIT<sup>®</sup> 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<sup>®</sup> S is also available with a carrier band made of corrosion-resistant special steel as **CUBOGRIT<sup>®</sup> 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<sup>®</sup>. 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-hardening steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite