

# CUBOGRIT<sup>®</sup> 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-hardening 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<sup>®</sup> U is also available with a carrier band made of corrosion-resistant special steel as **CUBOGRIT<sup>®</sup> 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<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		Tooth pitch in ZpZ				
Width x thickness		variable			constant	
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-hardening steels
- High-alloy tool steels > 55 HRC
- Iron-based powder coatings, chilled casting, stellite