

PROFLEX® PREMIUM M42

The hard material coated band saw blade for profiles



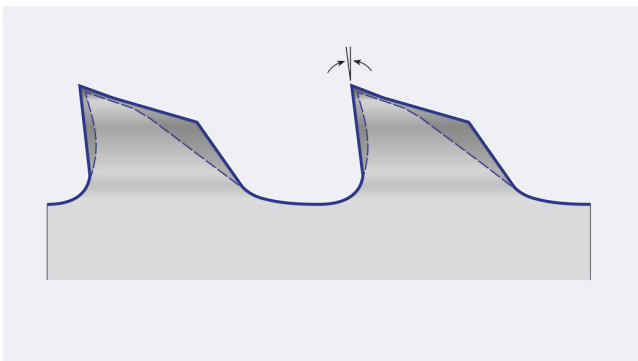
- ⊕ Product level 2
- 🔍 Profile tooth
- Profiles
- ↕ Band width 34 x 1.1 - 67 x 1.6mm
Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

Product Information

PROFLEX® PREMIUM M42 – The hard material-coated band saw blade for profiles

The PROFLEX® PREMIUM M42 is equipped with a special profile tooth form, which have a positive rake angle and a reinforced tooth back. The susceptibility to broken teeth and the occurrence of vibrations are thus significantly reduced.

This special design results in particularly high tooth stability in continuous use.



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Application Range

Application

- Profiles and girders in the steel construction sector and for industrial profile cuts
- Optimal for cutting with interrupted cutting channel

Advantages

- Productivity increase due to highest cutting rates
- Less frequent blade changes due to increased blade-life
- Less re-working due to low-burr cutting edges

Features

- Tooth edge and back edge with wear protection layer
- Variable tooth pitch with specific special limitation
- Extremely stable tooth geometry
- Coated M42 tooth edge with positive rake angle

Technical Data

Dimensions		Tooth pitch in tpi				
Width x thickness						
mm	Inch	12 - 16	5 - 7	4 - 6	3 - 4	2 - 3
27 x 0.90	1-1/16 x 0.035	P				
20 x 0.90	3/4 x 0.035	P				
34 x 1.10	1-3/8 x 0.042		P	P	P	
41 x 1.30	1-5/8 x 0.050				P	
54 x 1.60	2-1/8 x 0.063				P	P
67 x 1.60	2-5/8 x 0.063				P	P
Contact length	[mm]	80-160	40-70	50-100	80-160	150-300
	[Inch]	3.1-6.3	1.6-2.8	2-3.9	3.1-6.3	5.9-11.8

P = Profile tooth

Materials Overview



- Case-hardening steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron
- Aluminium / aluminium alloys
- Non-ferrous metals