FUTURA® PREMIUM

Increased performance due to hard coating

- Product level 3
- Trapezoid tooth
- Solid materials
- Band width 34 x 1.1 - 80 x 1.6mm
  Band width 1-3/8 x 0.042 - 3-1/8 x 0.063 Inch

Product Information

FUTURA® PREMIUM — Increased performance due to hard coating

The aim of the technological development of FUTURA® PREMIUM was to enable a significant increase in the service life of the band saw blade by using a hard coating while maintaining the same high cutting parameters.

With FUTURA® PREMIUM, the performance spectrum in production could be increased again by approx. 20% compared to the FUTURA® product and at the same time, depending on the application, the blade-life could be extended by approx. 60 to 100%.

This improves productivity and blade-life. Both have a significant impact on the cost per cut and thus on the profitability of the sawing process in the plant.

Application

- Solid materials of structural, case-hardened, tempering, and carbon steels
- Industrial mass and series cutting

Advantages

- Increased performance and improved tool life due to coated tooth edges
- Extension of machine capacity in case of bottlenecks
- Increase productivity and high blade-life
- Reduction of noise emission
- Low cutting forces, reduction of cutting time and straight cuts
- Reliable even for unmanned shifts
- Significant reduction in set-up time
- Broad application spectrum achieved through fast and uninterrupted blade changes

Features

- Special hard coating for steel machining
- Additional back edge coating for lower friction

Technical Data (1/2)

Dimensions		Tooth pitch in ZpZ					
Width x thickness							
mm	Inch	3-4	2-3	1.7-2	1.4-2	1.2-1.6	1-1.4
34 x 1.10	1-3/8 x 0.042	T	T				
41 x 1.30	1-5/8 x 0.050	T	T	T	T		
54 x 1.30	2-1/8 x 0.050		T		T		
54 x 1.60	2-1/8 x 0.063		T	T	T	T	T
67 x 1.60	2-5/8 x 0.063	T	T		T	T	T
80 x 1.60	3-1/8 x 0.063						T
Contact length	**[mm]**	80-170	150-300	250-370	290-550	400-750	500-1000
	[Inch]	3.1-6.7	5.9-11.8	9.8-14.6	11.4-21.6	15.7-29.5	19.7-39.4

T = Trapezoid tooth

Technical Data (2/2)

Dimensions		Tooth pitch in ZpZ
Width x thickness		
mm	Inch	0.85-1.15
34 x 1.10	1-3/8 x 0.042	
41 x 1.30	1-5/8 x 0.050	
54 x 1.30	2-1/8 x 0.050	
54 x 1.60	2-1/8 x 0.063	
67 x 1.60	2-5/8 x 0.063	T
80 x 1.60	3-1/8 x 0.063	T
Contact length	**[mm]** **[Inch]**	700-1400 27.6-55.1

T = Trapezoid tooth

Materials Overview

- Case-hardening steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron