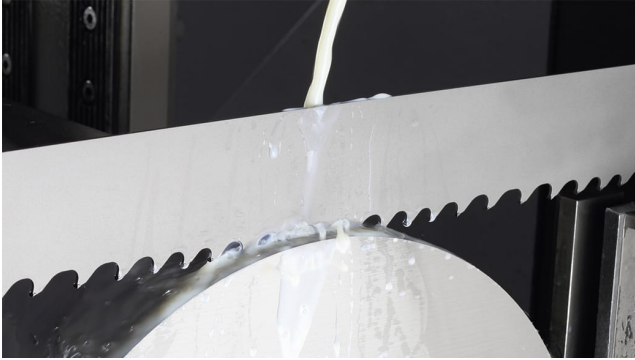


# FUTURA<sup>®</sup> 718

The best band saw blade for nickel-base alloys



- ⊕ Product level 3
- 🔪 Trapezoid tooth
- Solid materials
- ↕ Band width 41 x 1.3 - 80 x 1.6mm  
Band width 1-5/8 x 0.050 - 3-1/8 x 0.063 Inch

## Product Information



### FUTURA<sup>®</sup> 718 – The best band saw blade for nickel base alloys

Nickel-based alloys are indispensable, especially in the chemical industry, in engine construction, and in power generation, because they can withstand high mechanical, chemical, and thermal loads. Processing in production is correspondingly demanding.

WIKUS addresses the extremely difficult-to-cut nickel-based alloys with the FUTURA<sup>®</sup> 718 carbide band saw blade, which precisely cuts solid materials made of these superalloys.



The FUTURA<sup>®</sup> 718 carbide band saw blade offers excellent initial cutting behavior and very clean and straight cutting surfaces.

#### Application

- Solid material of steels, which are difficult to cut
- Nickel-based alloys
- Heat-resistant, high temperature-resistant, and duplex steels

#### Advantages

- Specially developed for nickel-based and similar superalloys
- Optimum chip division for tough and high-strength materials
- Reduced cutting forces for long blade-life and straight cuts
- Very good and constant cutting rate in spite of difficult cutting conditions
- Excellent initial cutting behavior results in low material loss

- Reduced finishing due to high cut surface quality

#### **Features**

- Tooth edges made of optimum carbide for high-strength tough materials
- Perfectly ground trapezoid teeth with optimum geometry
- Carrier band with special shaping for elimination of work hardening due to special mode of operation

## Technical Data

Dimensions		Tooth pitch in ZpZ		
Width x thickness				
mm	Inch	2-3	1.4-2	1-1.4
41 x 1.30	1-5/8 x 0.050	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	
67 x 1.60	2-5/8 x 0.063		T	T
80 x 1.60	3-1/8 x 0.063			T
<b>Contact length</b>	<b>[mm]</b>	150-300	290-550	500-1000
	<b>[Inch]</b>	5.9-11.8	11.4-21.6	19.7-39.4

T = Trapezoid tooth

## Materials Overview



- Nickel-based alloys
- Duplex and heat-resistant steels