

SKALAR[®] X3000[®]

The high-performer for high-strength materials



Product level 3

Hook tooth

Solid materials

Band width 27 x 0.9 - 100 x 1.6mm

Band width 1-1/16 x 0.035 - 4 x 0.063 Inch

Product Information

SKALAR[®] X3000[®] – The high-performer for high-strength materials

The modified X3000[®] cutting material enables high-strength materials and special alloys to be cut precisely. This cutting material, available exclusively from WIKUS, combines even higher tooth tip hardness and wear resistance with excellent toughness compared to the M42 cutting material.

In combination with the carrier band made of alloyed tempering steel, the SKALAR[®] X3000[®] bimetal band saw blade achieves outstanding continuous operation properties.

Application

- High cutting performance with high-alloy austenitic materials
- Continuous operation on large sawmills and on large blocks
- Especially for mixing programs with a large material mix
- Also for difficult-to-machine non-ferrous special alloys

- ESU material, materials above 1000 N/mm² tensile strength

Advantages

- High productivity due to excellent cutting rates
- Lower cutting forces, smooth running and straight cutting surfaces
- Optimal tip geometry for chip division
- Fewer blade changes due to increased blade-life

Features

- Ground contour with specially matched tooth pitch
- Tooth edge made of the cutting material X3000[®] with positive rake angle
- Special set for optimal chip division
- High hardness, wear resistance and toughness due to the cutting material X3000[®]

Technical Data

Dimensions		Tooth pitch in tpi					
Width x thickness							
mm	Inch	2.5 - 3.4	1.8 - 2.5	1.4 - 1.8	1.2 - 1.6	1 - 1.4	0.7 - 1
27 x 0.90	1-1/16 x 0.035	K					
34 x 1.10	1-3/8 x 0.042	K	K				
41 x 1.30	1-5/8 x 0.050	K	K	K			
54 x 1.30	2-1/8 x 0.050		K				
54 x 1.60	2-1/8 x 0.063	K	K	K	K	K	
67 x 1.60	2-5/8 x 0.063		K	K	K	K	K
80 x 1.60	3-1/8 x 0.063			K	K	K	K
100 x 1.60	4 x 0.063						K
Contact length	[mm]	100-220	180-350	300-600	400-700	500-1000	900-2000
	[Inch]	3.9-8.7	7.1-13.8	11.8-23.6	15.7-27.6	19.7-39.4	35.4-78.7

K = Hook tooth

Materials Overview



- Nickel-based alloys
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Aluminium bronzes