

# SKALAR<sup>®</sup> PREMIUM M42

The high-performer with extra blade-life



Product level 3

Hook tooth

Solid materials

Band width 27 x 0.9 - 80 x 1.6mm

Band width 1-1/16 x 0.035 - 3-1/8 x 0.063 Inch

## Product Information

### The high-performer with extra blade-life

The coated SKALAR<sup>®</sup> PREMIUM M42 band saw blade was specially developed by WIKUS for workpieces with large cross-sections. Compared to the uncoated band saw blade SKALAR<sup>®</sup> M42, it achieves even higher cutting rates with a significantly increased lifetime in continuous operation and impresses with its vibration-resistant and smooth running.

The reliable, precise operation of the SKALAR<sup>®</sup> PREMIUM M42 allows for multi-machine operation in large sawmills. Combined with the less frequent belt changes and the ability to precisely separate different material, this results in impressively high efficiency.

### Application

- High cutting rate, also continuous operation in large steel mills
- All metals up to a tensile strength of 1400 N/mm<sup>2</sup> can be used

### Advantages

- High productivity and output

- Extended lifetime due to additional wear protection coating
- Less frequent blade changes and higher machine availability
- Low vibration and smooth running
- Reliable and efficient multi-machine operation

### Features

- Tooth edge with special coating
- Back edge coating for low friction
- Optimum chip division due to special setting
- Wide variety of materials to be machined

## 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				
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		
67 x 1.60	2-5/8 x 0.063			K	K	K	
80 x 1.60	3-1/8 x 0.063				K	K	K
<b>Contact length</b>	<b>[mm]</b>	100-220	180-350	300-600	400-700	500-1000	900-2000
	<b>[Inch]</b>	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



- 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