

DUROSET[®]

The robust all-rounder for increased performance



- ▲ Product level 2
- 🔪 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



DUROSET[®] — The robust all-rounder for increased performance

The DUROSET[®] carbide band saw blade in set design stands out for its robustness and versatility both on powerful older bimetal band saw machines and on modern carbide band saw machines. This allows for performance increases of up to 50% compared to standard bimetal band saw blades.

Application

- Allsteels, suitable for forged and scaled surfaces
- Cast iron and aluminium bronze
- Also suitable for tempered materials with tensile strength greater than 1000N/mm²
- Solid material and thick-walled tubes

Advantages

- Universal use on standard band saw machines (without carbide package)
- Significant increase in productivity of the machine park

- Robust design for high wear resistance
- Low vibration and smooth running

Features

- Set tooth geometry with positive rake angle at variable tooth pitch
- Optimized sectional chip division

Technical Data

Dimensions		Tooth pitch in ZpZ					
Width x thickness		variable					constant
mm	Inch	2.5-3.4	1.8-2.5	1.4-1.8	1-1.4	0.7-1	3
27 x 0.90	1-1/16 x 0.035	K	K				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	K				
54 x 1.60	2-1/8 x 0.063		K	K			
67 x 1.60	2-5/8 x 0.063			K	K		
80 x 1.60	3-1/8 x 0.063				K	K	
100 x 1.60	4 x 0.063					K	
Contact length	[mm]	100-220	180-350	300-700	500-1000	900-2000	120-200
	[Inch]	3.9-8.7	7.1-13.8	11.8-27.5	19.7-39.4	35.4-78.7	4.7-7.9

K = Hook tooth

Materials Overview



- Case-hardening steels, spring steels and ball-bearing steels
- Rust-proof and acid-resistant steels (ferretic)
- Nickel-based alloys
- Nitrided steel, high-speed steel and tool steel
- Titanium / titanium alloys
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Duplex and heat-resistant steels
- Cast iron
- Aluminium bronzes