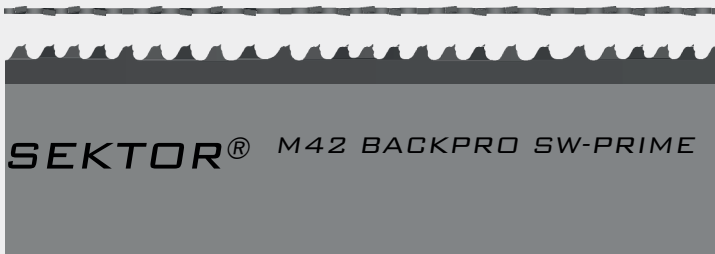


M42 BACKPRO SW-PRIME

High performance bi-metal bandsaw blade for metal profiles and tubes, as well as solid sections of high strength steel up to 1600 N/mm²



- LEVEL PRODUCT S
- GEOMETRY SDF
- ≥ 60 mm
- SIZES 34x1,1 - 67x1,6 mm
- HONED

Characteristics

- Coated bi-metal blade
- Heat-resistant PVD edge for fast cutting
- Significant increase in blade life with increased nano-hardness of the **M42** HSS cutting edge
- Sharply honed **M42** high strength steel teeth on the cutting edge to reduce burr formation and extend blade life
- Reinforced tooth design for superior strength
- Special SDF tooth setting for maximum resistance to breakage on profiled materials
- Edge in **M42** HSS with positive rake angle
- Aggressive and stable cutting edge
- Teething with increased spacing
- Measureable increase in productivity

Applications

- Metallic carpentry profiles and beams for structural steel construction
- Complex metallic profiles even in non-ferrous metals
- Solid sections, even of high-alloy high-resistance steel
- Interesting in the application for mass cutting work program

Advantages

- Extremely stable tooth design minimizing vibrations
- Reduced deburring process post cutting
- Minimized probability of blade breakage
- Excellent feed even with heavily loaded and difficult sections
- Long-life blade

M42 BACKPRO SW-PRIME

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	4,0/6	3,0/4	2,0/3
20X0,9	1-3/8x0,042	BAS	BAS	BAS
41x1,3	1-5/8x0,050	BAS	BAS	BAS
54X1,3	2-1/8X0,050		BAS	BAS
54x1,6	2-1/8x0,063	BAS	BAS	BAS
67x1,6	2-5/8x0,063		BAS	BAS
CONTACT LENGTH		60-100	90-150	140-300

Overview of materials

	M42 BACKPRO SW-PRIME	M42 BACKPRO SW
Construction steel, Automatic steel	Allowed	Allowed
Carbon steel	Allowed	Allowed
Hardened and tempered steel	Recommended	Approved
Hardened and tempered steel over 1200 N/mm ²	Recommended	Approved
Case hardening steel, harmonic steel	Approved	Allowed
Bearing steel	Approved	Allowed
Hot tool steel	Approved	Allowed
Cold tool steel	Recommended	Approved
High-speed steel	Approved	Allowed
Ferritic stainless steel	Allowed	Allowed
Austenitic stainless steel	Allowed	Allowed
Martensitic stainless steel	Allowed	Allowed
Duplex and heat-resistant steel	Not Applicable	Not Applicable
Cast iron	Recommended	Approved
Nickel alloys	Not Applicable	Not Applicable
Titanium alloys	Not Applicable	Not Applicable
Aluminium	Not Applicable	Not Applicable
Copper alloys	Allowed	Allowed
Aluminium bronze	Allowed	Allowed

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable

Recommended uses

- Structural steel
- Construction steel
- Tempered steel with tensile strength over 1200 N/mm^F
- Wear-resistant steel
- Thin/thick walled complex profiles
- Thin/thick-walled tubes