





X-PATH[®] SHS-PRIME

High-performance bi-metal bandsaw blade for cutting ferrous and non-ferrous metals with a tensile strength up to 1400 N/mm²



-  LEVEL PRODUCT S
-  GEOMETRY SHS
-  ≥ 40 mm
-  SIZES 27x0,9 - 80x1,6 mm

Characteristics

- Coated bi-metal bandsaw blade
- Heat-resistant PVD edge for quick cutting
- **X-PATH** cutting edge with greater nano-hardness significantly increases blade life
- Sharpley honed **X-PATH** teeth for a refined, smooth finish and extended blade life
- Special SHS tooth setting for reduced cutting forces on difficult materials
- Coated **X-PATH** cutting edge with positive rake angle
- Micro-resistant slicing wedge
- **X-PATH** coated edge provides superior hardness, toughness and resistance to wear over the conventional **M42** material
- Allows for a coolant with reduced percentage of emulsion

Applications

- Good cutting ability even on tool steel alloys
- Good cutting ability on non-ferrous metals such as aluminum, bronze, aluminum, copper, brass
- Good cutting ability on hardened steel with a tensile strength up to 1400 N/mm²
- Suitable for variable workloads with mixed materials

Advantages

- Suitable for older machines with lower belt tension
- Suitable when cutting varying sized materials for light industry
- Maximum lifespan compared to other bi-metal blades

X-PATH® SHS-PRIME

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	5,0/8	4,0/6	3,0/4	2,0/3	1,4/2	1/1,3	0,8/1,3
27x0,9	1-1/16x0,035	PS	PS	PS	HPS			
34x1,1	1-3/8x0,042		PS	PS	HPS			
41x1,3	1-5/8x0,050		PS	PS	HPS	HPS		
54x1,6	2-1/8x0,063			PS	HPS	HPS	HPS	
67x1,6	2-5/8x0,063				HPS	HPS	HPS	HPS
80x1,6	3-1/8x0,063					HPS	HPS	HPS
CONTACT LENGTH		40-80	60-100	90-150	140-300	250-500	350-750	600-1200

Overview of materials

	X-PATH® SHS-PRIME	X-PATH® THS-PRIME	X-PATH® FHS-PRIME
Construction steel, Automatic steel	Allowed	Allowed	Allowed
Carbon steel	Allowed	Allowed	Allowed
Hardened and tempered steel	Allowed	Recommended	Approved
Hardened and tempered steel over 1200 N/mm²	Allowed	Recommended	Approved
Case hardening steel, harmonic steel	Allowed	Approved	Recommended
Bearing steel	Allowed	Approved	Recommended
Hot tool steel	Allowed	Recommended	Approved
Cold tool steel	Allowed	Recommended	Approved
High-speed steel	Allowed	Approved	Recommended
Ferritic stainless steel	Approved	Recommended	Approved
Austenitic stainless steel	Allowed	Recommended	Approved
Martensitic stainless steel	Allowed	Recommended	Approved
Duplex and heat-resistant steel	Allowed	Recommended	Approved
Cast iron	Recommended	Allowed	Approved
Nickel alloys	Not Applicable	Approved	Allowed
Titanium alloys	Not Applicable	Approved	Allowed
Aluminium	Allowed	Approved	Allowed
Copper alloys	Recommended	Allowed	Approved
Aluminium bronze	Recommended	Allowed	Approved

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable