






X-PATH[®] THS-PRIME

Maximum performance, advanced design bi-metal bandsaw blade for difficult to cut metals with a tensile strength up to 1600 N/mm²



-  LEVEL PRODUCT S
-  GEOMETRY THS
-  ≥ 250 mm
-  SIZES 54x1,6 - 80x1,6 mm
-  HONED

Characteristics

- Trapezoidal shape scoring teeth for better chip formation and lower cutting resistance
- Coated bi-metal blade
- Heat-resistant PVD edge for quick cutting
- **X-PATH** cutting edge with greater nano-hardness significantly increases blade life
- Sharply honed **X-PATH** teeth for a refined, smooth finish and extended blade life
- Special THS tooth setting for reduced cutting forces on difficult materials
- Coated **X-PATH** cutting edge with extra 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 on corrosion and acid resistant steels
- Good cutting capacity on hardened steel with a tensile strength up to 1600 N/mm²
- Suitable for variable workloads with mixed materials

Advantages

- Suitable application on rigid or rebuilt machines exploiting the cutting capacity of the blade
- Suitable application for variable materials in mass production
- Maximum lifespan and cutting efficiency compared to other bi-metal blades



X-PATH® THS-PRIME
BI-METAL BANDSAW BLADE



X-PATH® THS-PRIME

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	1,4/2	1/1,3	0,8/1,3
54x1,6	2-1/8x0,063	HPS	HPS	HPS
67x1,6	2-5/8x0,063	HPS	HPS	HPS
80x1,6	3-1/8x0,063	HPS	HPS	HPS
CONTACT LENGTH		250-500	400-800	600-1200

Overview of materials

	X-PATH® THS-PRIME	X-PATH® FHS-PRIME	X-PATH® SHS-PRIME
Construction steel, Automatic steel	Green	Green	Green
Carbon steel	Green	Green	Green
Hardened and tempered steel	Yellow	Blue	Green
Hardened and tempered steel over 1200 N/mm ²	Yellow	Blue	Green
Case hardening steel, harmonic steel	Blue	Yellow	Green
Bearing steel	Blue	Yellow	Green
Hot tool steel	Yellow	Blue	Green
Cold tool steel	Yellow	Blue	Green
High-speed steel	Blue	Yellow	Green
Ferritic stainless steel	Yellow	Blue	Blue
Austenitic stainless steel	Yellow	Blue	Green
Martensitic stainless steel	Yellow	Blue	Green
Duplex and heat-resistant steel	Yellow	Blue	Green
Cast iron	Green	Blue	Yellow
Nickel alloys	Blue	Green	Black
Titanium alloys	Blue	Green	Black
Aluminium	Blue	Green	Green
Copper alloys	Green	Blue	Yellow
Aluminium bronze	Green	Blue	Yellow

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable