






CT-PRIME[®] S-TH

Maximum efficiency carbide bandsaw blade, particularly for modern, high-output machines



-  LEVEL PRODUCT S
-  GEOMETRY TH
-  ≥ 120 mm
-  SIZES 41x1,3- 80x1,6 mm
-  HONED
-  COATED

Characteristics

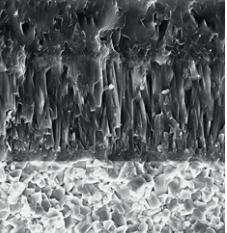
- Multilayer coated carbide blade
- Sharp carbide hone
- Heat resistant PVD edge for fast cutting
- Significant increase in blade life with sharp nano-hardness of 35 gigapascal (GPa)
- TH tooth geometry
- Suitable for saw machines with high volume cutting capacity and maximum blade speed for the relevant material
- Maximized yield on heavy duty and modern machines
- Can be used with low percentage emulsion coolants
- Low cutting resistance
- Clean surface finish

Applications

- TH4 and TH5 configurations with 4 and 5 teeth per group respectively
- TH4 primary for use on tool steel or alloy and tempered steel with hardness up to 400 HB or 1400 N/mm²
- TH5 primarily for use on stainless steel and titanium
- TH5 variant offers great performance in cutting all titanium alloys

Advantages

- Extremely capable throughout a range of differently sized materials
- Increased productivity for hard tempered steels, tool steel, all stainless steels, nickel alloys and titanium
- PVD thermal barrier coating



CT-PRIME®
COATED CARBIDE BANDSAW BLADE



CT-PRIME® S-TH

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	3,0/4	2,0/3	2,0/3	1,4/2	1,4/2	1,3/1	1,3/1	0,7/1	0,7/1
41 x 1,3	1-5/8 x 0,050	TH4	TH4	TH5	TH4					
54 x 1,3	2-1/8 x 0,050		TH4	TH5	TH4					
54 x 1,6	2-1/8 x 0,063		TH4	TH5	TH4	TH5				
67 x 1,6	2-5/8 x 0,063		TH4	TH5	TH4	TH5	TH4	TH5		
80 x 1,6	3-1/8 x 0,063				TH4	TH5	TH4	TH5	TH4	TH5
CONTACT LENGTH		120-200	180-285	225-315	270-550	340-670	400-900	500-1000	600-2000	750-2000

Overview of materials



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

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable

Recommended uses

- Tempered steel or carbon steel with hardness index up to 1400 N/mm²
- Spring and case-hardened steel
- Steel for ball bearings
- Tool steel
- High-speed steel
- Stainless steels
- Nickel and titanium alloys