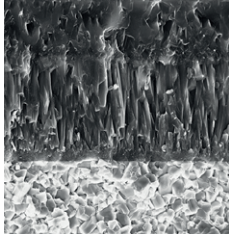
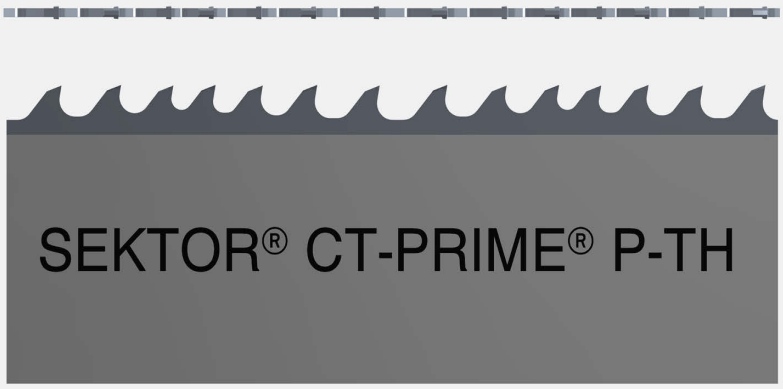
SEKTOR®
CUTTING EXPERT

CT-PRIME®
COATED CARBIDE BANDSAW BLADE



CT-PRIME® P-TH

Maximum efficiency carbide bandsaw blade, particularly suited to modern mass producing machines



- LEVEL PRODUCT S
- GEOMETRY TH
- ≥ 60 mm
- SIZES 34x1,1- 80x1,6 mm
- HONED
- COATED

Characteristics

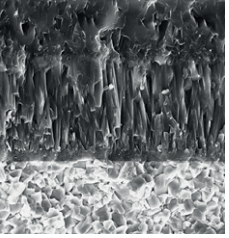
- Multilayer coated carbide blade
- Sharp carbide hone
- Heat resistant pvd deposited edge for fast cutting
- Significant increase in blade life with sharp nano-hardness of 35 gigapascal (GPa)
- TH tooth geometry
- Suitable for saw machines with high cutting volume with maximum blade speed for the relevant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

Applications

- Can be used with previously set cutting parameters using conventional carbide blades from competitive products
- TH2 and TH3 configurations with 2 and 3 teeth per group respectively
- Choose TH2 configuration mainly for use on structural and tempered steel
- Choose TH3 configuration mainly for use on tool steel or alloy and tempered steel with hardness up to 350 HB or 1200 N/mm²

Advantages

- Etremely capable throughout a range of differently sized materials
- Increased productivity for steels with low to high carbon content
- PVD thermal barrier coating



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WIDTH x THICKNESS		TPI (TEETH PER INCH)									
mm	inch	3,0/4	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
34 x 1,1	1-3/8 x 0,042	TH2	TH3	TH2	TH3						
41 x 1,3	1-5/8 x 0,050	TH2	TH3	TH2	TH3	TH2	TH3				
54 x 1,3	2-1/8 x 0,050			TH2	TH3	TH2	TH3				
54 x 1,6	2-1/8 x 0,063			TH2	TH3	TH2	TH3				
67 x 1,6	2-5/8 x 0,063					TH2	TH3	TH2	TH3		
80 x 1,6	3-1/8 x 0,063							TH2	TH3	TH2	TH3
CONTACT LENGTH		60-150	90-180	90-210	130-250	130-300	200-430	200-650	300-800	300-1500	450-1800

Overview of materials

	CT-PRIME® P-TH	CT-PRIME® S-TH	CT-PRIME® HLO
Construction steel, Automatic steel	Recommended	Approved	Approved
Carbon steel	Recommended	Approved	Approved
Hardened and tempered steel	Recommended	Recommended	Approved
Hardened and tempered steel over 1200 N/mm²	Allowed	Recommended	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	Approved	Recommended	Allowed
Ferritic stainless steel	Approved	Recommended	Allowed
Austenitic stainless steel	Approved	Recommended	Allowed
Martensitic stainless steel	Approved	Recommended	Allowed
Duplex and heat-resistant steel	Allowed	Approved	Allowed
Cast iron	Recommended	Approved	Approved
Nickel alloys	Approved	Recommended	Allowed
Titanium alloys	Allowed	Recommended	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

- Construction steel
- Carbon steel
- Tempered steel or carbon steel with hardness index up to 1200 N/mm²
- Spring and case-hardened steel
- Steel for bearings
- Tool steel
- Cast iron