

CT-PRIME[®] P-VX

VX series bandsaw blade in carbide with low feed resistance, for use on tempered steel and alloys with a tensile strength up to 1400 N/mm²



-  LEVEL PRODUCT S
-  GEOMETRY VX
-  ≥ 120 mm
-  SIZES 34x1,1- 80x1,6 mm
-  HONED
-  COATED

Characteristics

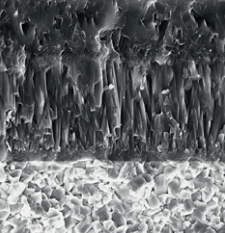
- Multilayer coated carbide blade
- Sharp carbide hone
- Heat resistant PVD edge for fast cutting
- Significant increase in blade life with sharp nanohardness of 35 gigapascal (GPa)
- Unset tooth base
- Asymmetric chip removal similar to tooth setting
- VX variable taper ground tips
- VX tooth geometry with 5 chip producing sections
- VX4 and VX5 configurations with 4 and 5 teeth per group
- Can be used with low percentage emulsion coolants
- Low cutting resistance
- Reduced vibrations
- Clean surface finish

Applications

- Suitable for applications with high volume cutting capacity and reduced blade speed even on older model machines
- Predominantly suitable for use on tempered low-alloy steel or alloys up to 400 HB or 1400 N/mm²
- Suitable for cutting stainless steel with a cutting surface up to 400 mm

Advantages

- High power reserve maintained throughout a range of differently sized materials
- Increased productivity on materials with medium to difficult workability
- PVD thermal barrier coating



CT-PRIME®
COATED CARBIDE BANDSAW BLADE



CT-PRIME® P-VX

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	3,0/4	2,0/3	1,4/2	1/1,3	0,7/1
34 x 1,1	1-3/8 x 0,042	VX4	VX4			
41 x 1,3	1-5/8 x 0,050	VX4	VX4	VX4		
54 x 1,3	2-1/8 x 0,050		VX4			
54 x 1,6	2-1/8 x 0,063		VX4	VX4		
67 x 1,6	2-5/8 x 0,063			VX4	VX4	
80 x 1,6	3-1/8 x 0,063			VX4	VX4	VX4
CONTACT LENGTH		120-200	180-285	270-550	400-900	600-2000

Overview of materials



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

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable

Recommended uses

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