


## CT-PRIME<sup>®</sup> M-VX

VX series carbide bandsaw blade with minimum feed resistance for efficient operations on stainless steel and tempered tool steel even for light-duty machines



-  LEVEL PRODUCT S
-  GEOMETRY VX
-  ≥ 150 mm
-  SIZES 41x1,3- 80x1,6 mm
-  HONED
-  COATED

### Characteristics

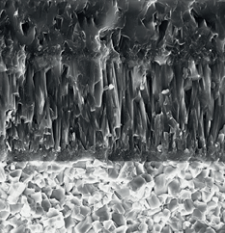
- Multilayer coated carbide blade
- Sharp carbide hone
- Heat resistant PVD edge for fast cutting
- Significant increase in blade life with sharp nanohardness of 35 gigapascal (GPa)
- Unset tooth base
- Asymmetric chip removal similar to tooth setting
- Increased anti-pinch cutting thickness
- VX variable taper ground tips
- VX tooth geometry with 7 chip producing sections
- VX5 and VX6 configurations with 5 and 6 teeth per group
- Can be used with low percentage emulsion coolants
- Minimum cutting resistance
- Maximum silence
- Clean surface finish

### Applications

- Suitable for applications with high volume cutting capacity and reduced blade speed even on older model machines
- Primarily for use on all stainless steels or tool steel of any size
- Suitable for cutting tempered tool steel with hardness above 400 HB or tensile strength of 1400 N/mm<sup>2</sup>

### Advantages

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



**CT-PRIME®**  
COATED CARBIDE BANDSAW BLADE



## CT-PRIME® M-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
41 x 1,3	1-5/8 x 0,050	VX5	VX5			
54 x 1,6	2-1/8 x 0,063		VX5	VX5		
67 x 1,6	2-5/8 x 0,063			VX5	VX5	
80 x 1,6	3-1/8 x 0,063			VX5	VX5	VX5
<b>CONTACT LENGTH</b>		150-220	220-340	340-670	500-1000	750-2200

### Overview of materials



	CT-PRIME® M-VX	CT-PRIME® S-VX	CT-PRIME® H-VX	CT-PRIME® P-VX
Construction steel, Automatic steel	Green	Green	Green	Blue
Carbon steel	Green	Green	Green	Blue
Hardened and tempered steel	Yellow	Blue	Blue	Yellow
Hardened and tempered steel over 1200 N/mm <sup>2</sup>	Yellow	Yellow	Yellow	Blue
Case hardening steel, harmonic steel	Blue	Blue	Green	Yellow
Bearing steel	Green	Green	Green	Blue
Hot tool steel	Blue	Blue	Yellow	Yellow
Cold tool steel	Blue	Green	Blue	Blue
High-speed steel	Blue	Blue	Blue	Blue
Ferritic stainless steel	Yellow	Yellow	Blue	Yellow
Austenitic stainless steel	Yellow	Yellow	Yellow	Yellow
Martensitic stainless steel	Yellow	Yellow	Blue	Yellow
Duplex and heat-resistant steel	Yellow	Yellow	Yellow	Yellow
Cast iron	Black	Black	Black	Green
Nickel alloys	Yellow	Yellow	Blue	Yellow
Titanium alloys	Blue	Yellow	Blue	Green
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 with hardness index up to 1400 N/mm<sup>2</sup>
- Spring and case-hardened steel
- Hot and cold pressed tool steel
- High-speed steel
- Stainless steels
- Nickel and titanium alloys