






CT-SIGMA[®] P-VX

VX series bandsaw blade in carbide with low resistance feeding, can also be used on tempered steel and nickel alloys with a tensile strength up to 1200 N/mm²



-  LEVEL PRODUCT 3
-  GEOMETRY VX
-  ≥ 120 mm
-  SIZES 27x0,9 - 80x1,6 mm
-  HONED

Characteristics

- Uncoated carbide blade
- Sharp carbide hone
- Unset tooth base
- Asymmetric chip removal similar to tooth setting
- VX variable ground tips
- VX tooth geometry with 5 chip producing sections
- VX4 and VX5 configurations with 4 and 5 teeth per group
- Low cutting resistance
- Reduced vibrations and minimal noise
- Clean surface finish

Applications

- Suitable for applications with high volume cutting capacity and reduced blade speed on older model machines
- Primarily for use on alloy and tempered steel of up to 350 HB or tensile strength up to 1200 N/mm²
- Suitable for cutting stainless steel with a cutting surface up to 400 mm
- Usable on unfavorable surfaces containing slag

Advantages

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



CT-SIGMA®
CARBIDE TIP BANDSAW BLADE



CT-SIGMA® P-VX

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	1/1,3	0,7/1
27 x 0,9	1-1/16 x 0,035	VX4		VX4					
34 x 1,1	1-3/8 x 0,042	VX4		VX4					
41 x 1,3	1-5/8 x 0,050	VX4	VX5	VX4	VX5	VX4			
54 x 1,3	2-1/8 x 0,050		VX5	VX4					
54 x 1,6	2-1/8 x 0,063			VX4	VX5	VX4	VX5		
67 x 1,6	2-5/8 x 0,063				VX5	VX4	VX5	VX4	
80 x 1,6	3-1/8 x 0,063					VX4	VX5	VX4	VX4
CONTACT LENGTH		120-200	150-220	180-285	225-315	270-550	340-670	400-900	600-2000

Overview of materials



	CT-SIGMA® P-VX	CT-SIGMA® M-VX	CT-SIGMA® S-VX	CT-SIGMA® H-VX
Construction steel, Automatic steel	Approved	Allowed	Allowed	Allowed
Carbon steel	Approved	Allowed	Allowed	Allowed
Hardened and tempered steel	Recommended	Recommended	Approved	Approved
Hardened and tempered steel over 1200 N/mm²	Allowed	Approved	Approved	Recommended
Case hardening steel, harmonic steel	Approved	Approved	Allowed	Allowed
Bearing steel	Approved	Allowed	Allowed	Allowed
Hot tool steel	Recommended	Approved	Approved	Recommended
Cold tool steel	Approved	Approved	Allowed	Approved
High-speed steel	Approved	Approved	Allowed	Approved
Ferritic stainless steel	Recommended	Recommended	Approved	Approved
Austenitic stainless steel	Approved	Recommended	Recommended	Recommended
Martensitic stainless steel	Recommended	Recommended	Approved	Approved
Duplex and heat-resistant steel	Approved	Recommended	Recommended	Approved
Cast iron	Recommended	Allowed	Allowed	Allowed
Nickel alloys	Recommended	Recommended	Recommended	Approved
Titanium alloys	Allowed	Approved	Approved	Allowed
Aluminium	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Copper alloys	Approved	Approved	Allowed	Allowed
Aluminium bronze	Approved	Approved	Allowed	Allowed

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable

Recommended uses

- Hardened and tempered steel up to 1200 N/mm²
- Case-hardened steel and harmonic steel
- Bearings steel
- Tool steel
- High-speed steel
- All stainless steels, nickel alloys
- Cast iron
- Copper alloys
- Aluminiumbronze