






CT-SIGMA[®] S-VX

VX series carbide bandsaw blade with minimum feeding resistance for hard materials difficult to cut even with heavy duty machines



-  **LEVEL PRODUCT 3**
-  **GEOMETRY VX**
-  **≥ 270 mm**
-  **SIZES 54x1,6 - 80x1,6 mm**
-  **HONED**

Characteristics

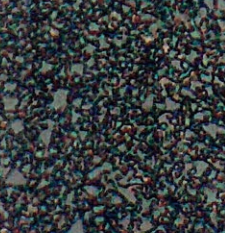
- Uncoated carbide blade
- Sharp carbide hone
- Unset tooth base
- Asymmetric chip removal similar to tooth setting
- Increased anti-pinch cutting thickness
- VX variable taper ground tips
- VX tooth geometry with 9 chip producing sections
- VX6 and VX7 configurations with 6 and 7 teeth per group
- Minimum 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 steel or tempered steel molds of varying sizes
- Suitable for large ingots of stainless steel under tension, nickel alloys and tempered tool steel with hardness above 400 HB or 1400 N/mm²
- Usable on unfavorable surface with slag

Advantages

- Maximum power reserve on materials with medium to large dimensions
- Increased productivity on materials with difficult workability



CT-SIGMA®
CARBIDE TIP BANDSAW BLADE



CT-SIGMA® S-VX

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	2,0/3	1,4/2	1,4/2	1/1,3	1/1,3	0,7/1	0,7/1
54 x 1,6	2-1/8 x 0,063	VX6	VX6	VX7				
67 x 1,6	2-5/8 x 0,063		VX6	VX7	VX6	VX7		
80 x 1,6	3-1/8 x 0,063			VX7	VX6	VX7	VX6	VX7
CONTACT LENGTH		270-400	400-720	400-720	600-1100	600-1100	750-2000	750-2000

Overview of materials



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

LEGEND

■ Recommended
 ■ Approved
 ■ Allowed
 ■ Not Applicable

Recommended uses

- Tempered steel with tensile strength over 1400 N/mm²
- Hot rolled tool steel
- Nickel alloys
- All stainless steel
- Titanium alloys