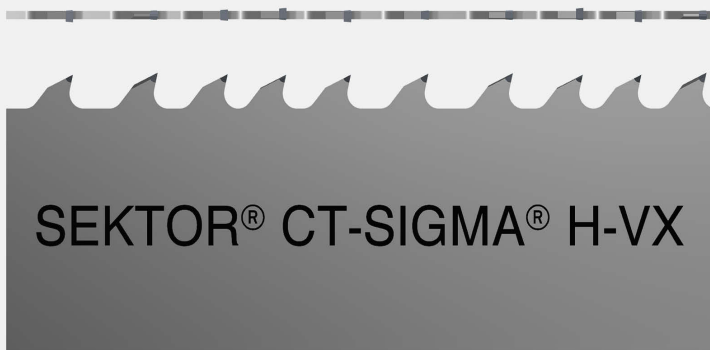







# CT-SIGMA<sup>®</sup> H-VX

VX series carbide bandsaw blade with minimum feeding resistance for hard and extra-hard materials that are difficult to cut even with heavy duty machines



-  LEVEL PRODUCT 3
-  GEOMETRY VX
-   $\geq 360$  mm
-  SIZES 54x1,6 - 80x1,6 mm
-  HONED

## Characteristics

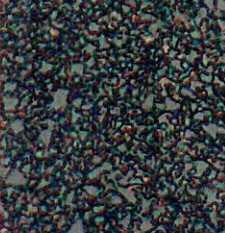
- Uncoated carbide blade
- Sharp carbide hone
- Unset tooth base
- Asymetric chip removal similar to tooth setting
- Maximum increased cutting thickness in the VX geometry carbide series
- VX variable taper ground tips
- VX tooth geometry with 11 chip producing sections
- VX8 and VX9 configurations with 8 and 9 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 steel and alloys with hardness on average greater than 350 HB or 1200 N/mm<sup>2</sup>
- Suitable for large stainless steel, duplex, and heat resistant ingots, special alloys and tempered tool steel rated over 450 HB as well as wear-resistant manganese steels with hardness rated above 500 HB.
- Usable on unfavorable surfaces containing slag

## Advantages

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



**CT-SIGMA<sup>®</sup>**  
CARBIDE TIP BANDSAW BLADE



## CT-SIGMA<sup>®</sup> H-VX

### WIDTH x THICKNESS

### TPI (TEETH PER INCH)

mm	inch	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	VX8	VX9				
67 x 1,6	2-5/8 x 0,063	VX8	VX9	VX8	VX8		
80 x 1,6	3-1/8 x 0,063	VX8	VX9	VX9	VX9	VX8	VX9
<b>CONTACT LENGTH</b>		360-720	400-720	600-1100	600-1100	750-2000	750-2000

### Overview of materials



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

#### LEGEND

■ Recommended   
 ■ Approved   
 ■ Allowed   
 ■ Not Applicable

### Recommended uses

- Tempered steel with tensile strength over 1600 N/mm<sup>2</sup>
- Hot and cold rolled tool steel
- All stainless steel
- High speed steel
- Nickel alloys