



CT-APEX[®] ALU-HS

Maximum efficiency carbide bandsaw blade for very high-speed cutting on large sized aluminum plates



LEVEL PRODUCT 2



GEOMETRY HS



≥ 100 mm



SIZES 34x1,1 - 80x1,6 mm



BREAK IN

Characteristics

- Special bandsaw blade in uncoated carbide
- Microwire carbide teeth
- BREAK IN treatment on cutting edge
- HS teething geometry for optimal surface finish
- Use on aluminum for speeds higher than 2700 m/min (9000 ft/min)
- High chip production, over 3000 cm²/min (465 in²/min)
- Minimum level of harmonic vibrations and noise production
- Reduced engine power absorption
- Very long blade life

Applications

- Aluminum alloys
- Copper alloys
- Aluminum bronze

Advantages

- Extremely capable throughout a range of differently sized materials
- Increased productivity on ductile metals with high speed of cutting
- Maximum resistance to abrasive wear



CT-APEX®
CARBIDE TIP BANDSAW BLADE



CT-APEX® ALU-HS

WIDTH x THICKNESS

TPI (TEETH PER INCH)

mm	inch	3,0/4	2,0/3	1,4/2	1,4/2	1,3/1	1,3/1	0,7/1	0,7/1
34 x 1,1	1-3/8 x 0,042	HS8	HS8						
41 x 1,3	1-5/8 x 0,050	HS8	HS8						
54 x 1,3	2-1/8 x 0,050		HS8						
54 x 1,6	2-1/8 x 0,063			HS10	HS13	HS10	HS13		
67 x 1,6	2-5/8 x 0,063			HS10	HS13				
80 x 1,6	3-1/8 x 0,063					HS10	HS13	HS10	HS13
CONTACT LENGTH		100-220	180-600	220-600	300-800	600-2000	800-2500	1000-2700	1000-3000

Overview of materials



CT-APEX® ALU-HS

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

LEGEND

■ Recommended ■ Approved ■ Allowed ■ Not Applicable

Recommended uses

- Aluminum alloys
- Aluminumbronze
- Copper alloys