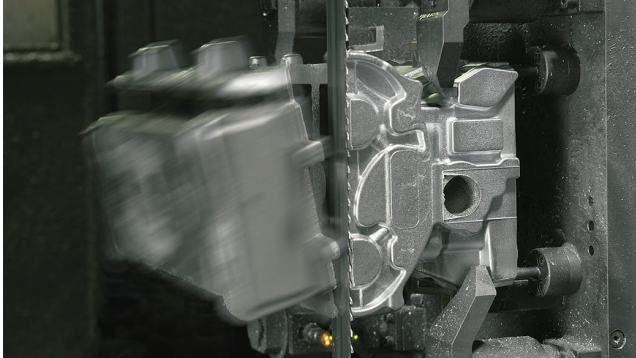


FUTURA[®] NE

The high-performance bestseller for non-ferrous metals



⊕ Product level 3

⊖ Trapezoid tooth

● Solid materials

Band width 27 x 0.9 - 80 x 1.6mm

↕ Band width 1-1/16 x 0.035 - 3-1/8 x 0.063
Inch

Product Information



The high-performance bestseller for non-ferrous metals

Applications

- Aluminum mould and die castings, aluminum ingots and aluminum milling products
- Copper and copper alloys

Advantages

- Short clock rates and outstanding productivity due to high cutting performance
- Low material allowance by optimal surface quality
- Process reliability by high resistance against abrasion

Features

- Tooth edges made of specific carbide to prevent abrasion
- Ground trapezoid tooth with positive rake angle
- Optimal chip division for performance and surface quality

Technical Data (1/2)

Dimensions		Tooth pitch in tpi					
Width x thickness		variable					constant
mm	Inch	3 - 4	2 - 3	1.4 - 2	0.85 - 1.15	0.7 - 1	3
27 x 0.90	1-1/16 x 0.035	T					T
34 x 1.10	1-3/8 x 0.042	T	T	T			
41 x 1.30	1-5/8 x 0.050		T	T			
54 x 1.30	2-1/8 x 0.050			T			
54 x 1.60	2-1/8 x 0.063			T	T		
67 x 1.60	2-5/8 x 0.063			T			
80 x 1.60	3-1/8 x 0.063				T	T	
Contact length	[mm]	80-170	150-300	290-550	700-1400	900-2000	120-200
	[Inch]	3.1-6.7	5.9-11.8	11.4-21.6	27.6-55.1	35.4-78.7	4.7-7.9

T = Trapezoid tooth

Technical Data (2/2)

Dimensions		Tooth pitch in tpi
Width x thickness		constant
mm	Inch	2
27 x 0.90	1-1/16 x 0.035	
34 x 1.10	1-3/8 x 0.042	T
41 x 1.30	1-5/8 x 0.050	T
54 x 1.30	2-1/8 x 0.050	
54 x 1.60	2-1/8 x 0.063	
67 x 1.60	2-5/8 x 0.063	
80 x 1.60	3-1/8 x 0.063	
Contact length	[mm] [Inch]	200-400 7.9-15.7

T = Trapezoid tooth

Materials Overview



- Aluminium / aluminium alloys
- Non-ferrous metals