

FUTURA® VA

Top performer for hard-to-cut materials

Product level 3

Trapezoid tooth

Solid materials

Band width 34 x 1.1 - 67 x 1.6mm

Band width 1-3/8 x 0.042 - 2-5/8 x 0.063 Inch

Product Information

Optimized performance: FUTURA® VA—the new generation for stainless steels, titanium, and titanium alloys

Discover FUTURA® VA—the enhanced version of our proven bestseller!

FUTURA® VA sets new standards in the machining of stainless steels, titanium, and titanium alloys—perfectly optimized for the demands of these challenging materials.

With precise innovations in tooth geometry and carbide composition, the re-engineered design delivers key benefits, including:

- **optimized service life:** up to 20 %, which has been confirmed in numerous cutting tests
- **cost reduction:** through an optimized surface and less post-processing

FUTURA® VA delivers unmatched precision, durability, and efficiency, especially for high-performance materials, and has been engineered to exceed expectations and deliver superior results.

Application Range

Applications

- All rust- and acid-resistant steels, titanium and titanium alloys
- Serial sections

Advantages

- Optimal chip formation and perfect surface quality
- Good cutting performance for reduced cutting time
- Good blade-life reduces setup and downtime

Features

- Tooth edges made of specific carbide
- Ground trapezoid tooth with extra positive rake angle
- Optimal chip division for tough and high-strength materials

Technical Data

Dimensions		Tooth pitch in tpi				
Width x thickness						
mm	Inch	3 - 4	2 - 3	1.4 - 2	1 - 1.4	0.85 - 1.15
34 x 1.10	1-3/8 x 0.042	T	T			
41 x 1.30	1-5/8 x 0.050	T	T	T		
54 x 1.30	2-1/8 x 0.050	T	T	T		
54 x 1.60	2-1/8 x 0.063		T	T		
67 x 1.60	2-5/8 x 0.063			T	T	T
Contact length	[mm]	80-170	150-300	290-550	500-800	700-1200
	[Inch]	3.1-6.7	5.9-11.8	11.4-21.6	19.7-31.5	27.6-47.2

T = Trapezoid tooth

Materials Overview



- Rust-proof and acid-resistant steels (ferretic)
- Titanium / titanium alloys
- Tempered steels (over 1000 N/mm² / 32 HRC)
- Rust-proof and acid-resistant steels (austenitic)
- Aluminium bronzes