



High Feed Radius End Mill for Titanium Alloy

HFC-TI



Features: OSG End Mill for Titanium Alloy



1 High efficiency bottom finishing

2 Solid carbide with high wear resistance

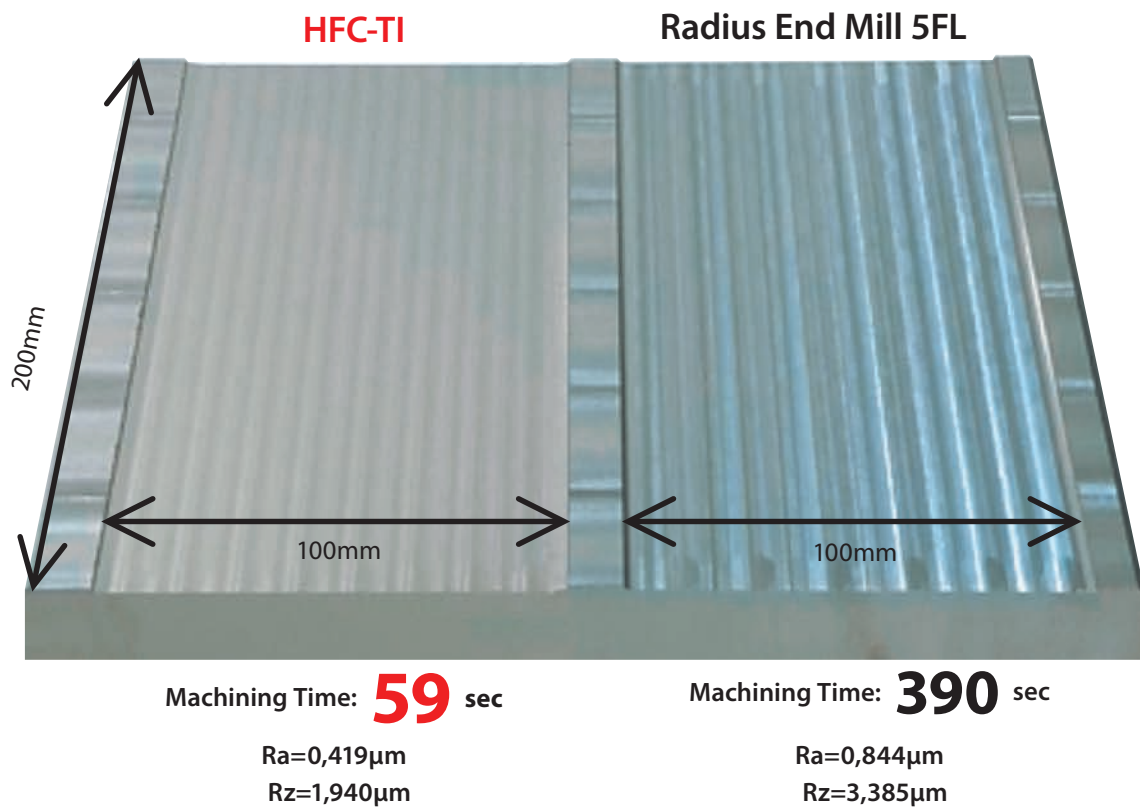
3 With 70 mm length neck

Cutting Data

Average Milling Condition

HFC-TI, the high efficiency bottom finishing end mill, achieves superior surface accuracy with reduction of large amount machining time.

Surface Roughness (Ra)	≤ 3,2 μm
Depth of Cut (ap)	0,5 mm
Feed Rate	≥ 3.000 mm/min



Machining Data

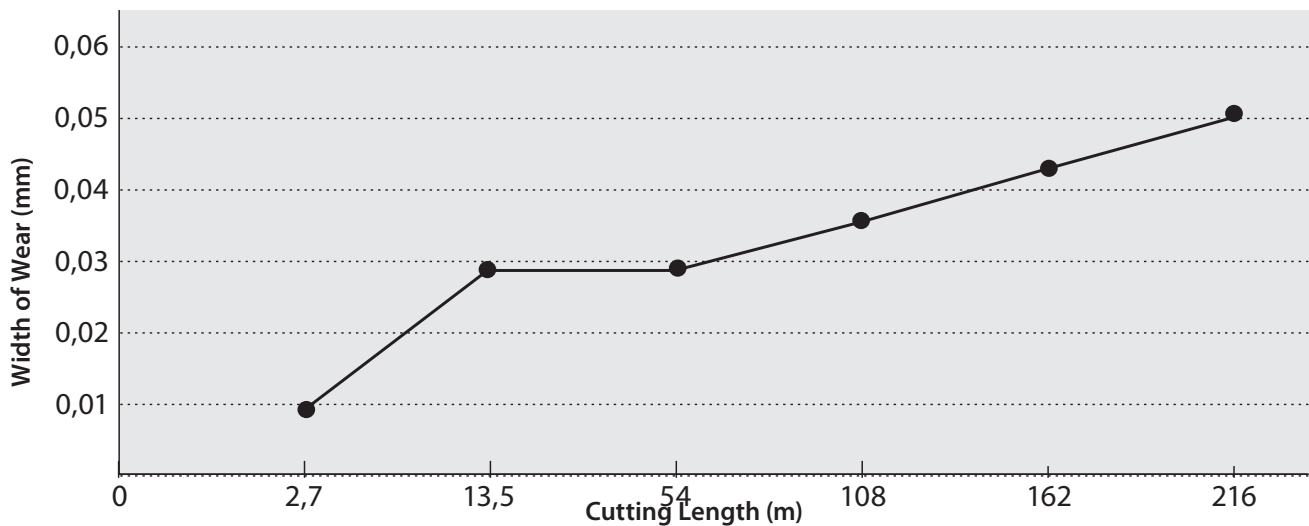
Tool	HFC-TI Ø16 6 Flutes	Radius End mill Ø16 5 Flutes
Cutting Speed	70 m/min	
Feed	4.500 mm/min (0,54 mm/t)	489 mm/min (0,07 mm/t)
Milling Method	Contour Milling	
Depth of Cut	ap=0,5 mm ae=6 mm	ap=0,5 mm ae=8 mm
Coolant	Water Soluble	

Machining Data

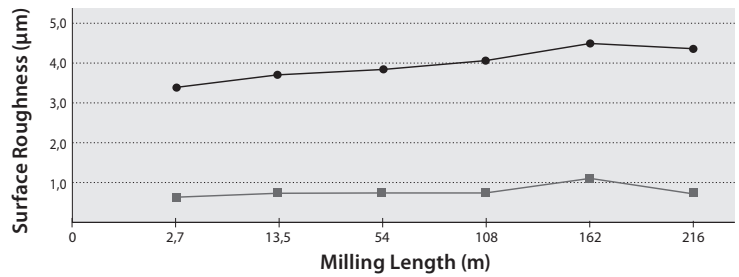
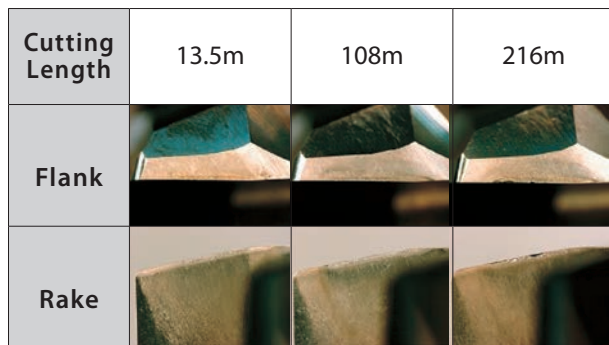
High efficiency milling of HFC-TI

Size	16 mm
Work Material	Ti-6Al-4V
Cutting Speed	100 m/min (1.990 min ⁻¹)
Feed Rate	6.000 mm/min (0,5 mm/t)
Milling Method	Contour Milling
Depth of Cut	ap= 0,5mm ae= 6mm
Coolant	Water Soluble
Overhang Length	70 mm
Machine	Horizontal Machining Center

Wear Amount



Change in Surface Roughness



●	3,557	3,812	3,903	4,151	4,520	4,403
■	0,849	0,944	0,946	0,980	1,016	0,997

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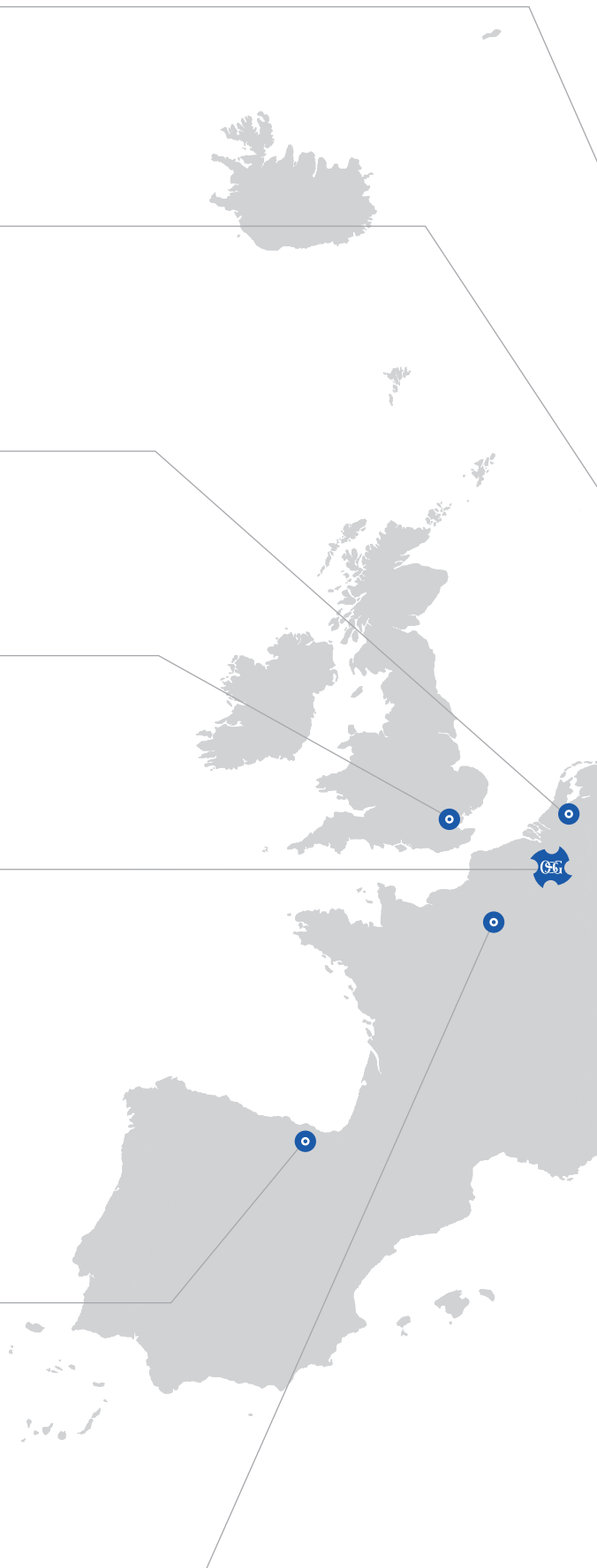
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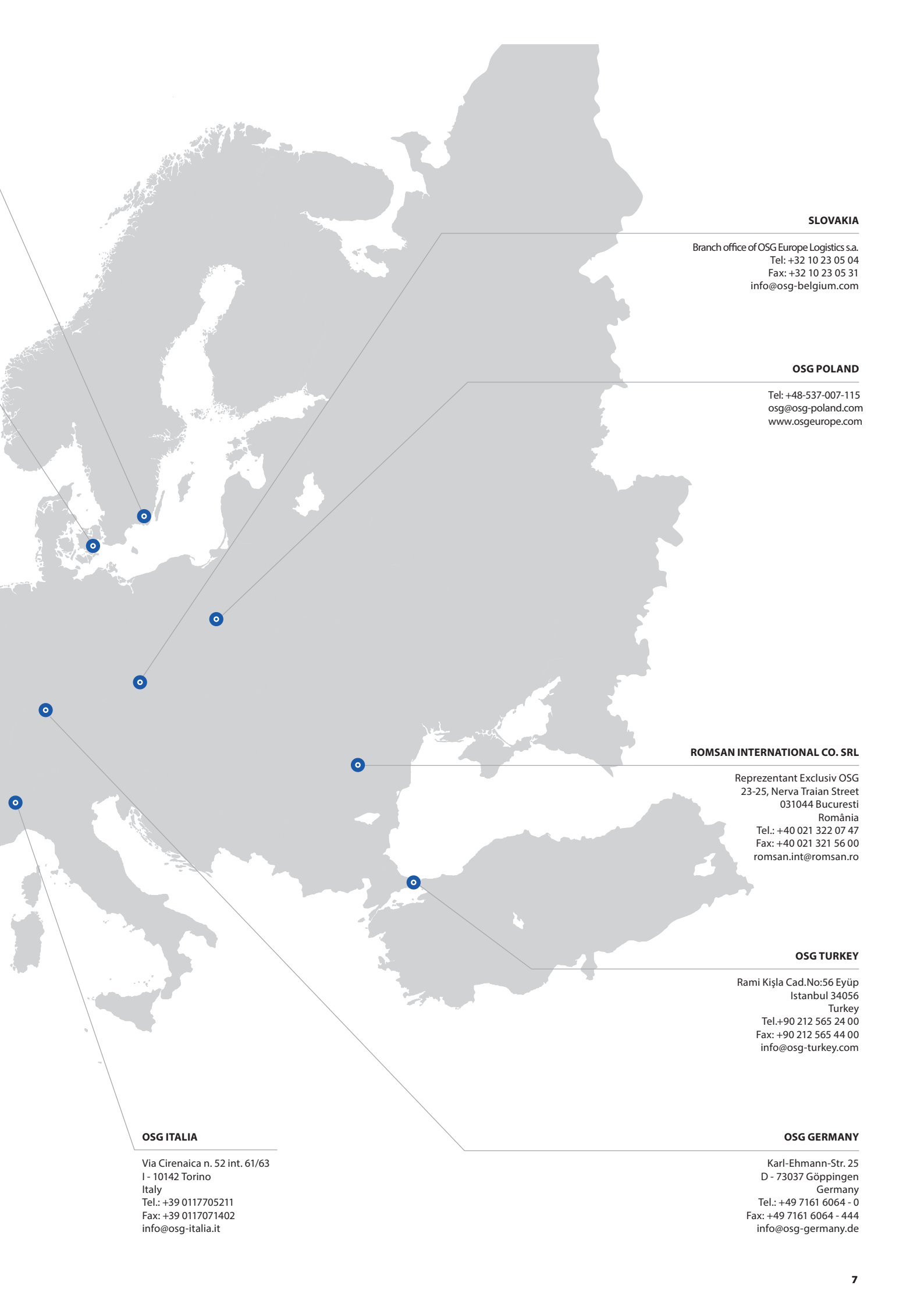
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