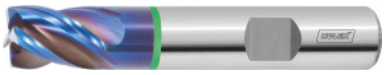
HOLEX

Solid carbide roughing end mill HPC, TiXSi, ∅ f8 DC: 16mm



Order data

Order number	203037 16
GTIN	4045197679307
Item class	12X

Description

Version:
For **roughing and finishing.**
Up to 1×D into solid material **at very high feed rates** with smooth cutting action.
At maximum machining depths, ensure compliance with the ratio dimension L_C (cutting length) / ∅ D_C (cutting ∅)!
Advantage:
Optimised flute form, eccentric relief ground, wide chip space.

Technical description

No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Feed f_z for slot milling in steel < 900 N/mm^2	0.08 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.1 mm
Cutting edge ∅ D_C	16 mm
Shank ∅ D_s	16 mm
Overall length L	82 mm
Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal ∅	f8

Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiXSi
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	250 m/min	P
Steel < 750 N/mm²	suitable	200 m/min	P
Steel < 900 N/mm²	suitable	180 m/min	P
Steel < 1100 N/mm²	suitable	160 m/min	P
INOX < 900 N/mm²	suitable only under restricted conditions	70 m/min	M
GG(G)	suitable only under restricted conditions	120 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		

Air	suitable