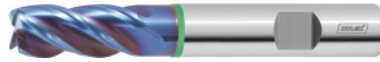




Solid carbide roughing end mill HPC, TiXSi, Ø f8 DC: 10mm



Order data

Order number	203044 10
GTIN	4045197679383
Item class	12X

Description

Version:

For **roughing and finishing**.

Up to $1.5 \times D$ into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 38°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 22 mm

Overhang length L_1 incl. recess: 30 mm

Recess Ø D_1 : 9.7 mm

Overall length L: 72 mm

Shank Ø D_s : 10 mm

Technical description

Overhang length L_1 incl. recess	30 mm
Corner chamfer width at 45°	0.2 mm
Recess Ø D_1	9.7 mm
Cutting edge Ø D_c	10 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm

No. of teeth Z	4
Feed f_z for side milling in steel < 900 N/mm ²	0.08 mm
Shank $\varnothing D_s$	10 mm
Overall length L	72 mm
Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	f8
Helix angle	38°
Corner chamfer angle	45°
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	0.3×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/mm ²	suitable	250 m/min	P
Steel < 750 N/mm ²	suitable	200 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P
Steel < 1100 N/mm ²	suitable	160 m/min	P

INOX < 900 N/mm ²	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		
Services			

Shank recess Type FRST

209900 FRST