

Garant

Roughing end mill MTC HSS-E-SPM, TiAlN, Ø k12 DC: 16 mm



Order data

Order number	192895 16
GTIN	4045197274786
Item class	11W

Description

Version:

SPM substrate with very high cobalt content. Combines the **hardness of solid carbide** with the **toughness of PM steel. Dynamic special knuckle profile for roughing.**

For use as a universal roughing end mill Centre cutting edge geometry for plunging.

Application:

For very high metal removal rates and increased machining volumes. Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Machining strategy: MTC

Tolerance nominal Ø: k12

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 5

Flute length L_c : 32 mm

Overall length L: 92 mm

Shank Ø D_s : 16 mm

Corner chamfer width at 45°: 0.2 mm

Feed f_z for side milling in steel < 1100 N/mm²: 0.053 mm

Technical description

Cutting edge Ø D_c	16 mm
Corner chamfer width at 45°	0.2 mm
Feed f_z for side milling in steel < 1100 N/mm ²	0.053 mm

No. of teeth Z	5
Shank $\varnothing D_s$	16 mm
Overall length L	92 mm
Flute length L_c	32 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal \varnothing	k12
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS E SPM
Standard	DIN 844
Milling profile	HRF
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill