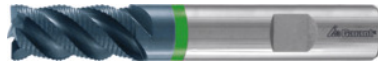


Garant

Roughing end mill MTC HSS-E-SPM, TiAlN, Ø k12 DC: 14 mm



Order data

Order number	192895 14
GTIN	4045197274779
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: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.2 mm

Feed f_z for side milling in steel < 1100 N/mm²: 0.051 mm

Technical description

Feed f_z for side milling in steel < 1100 N/mm ²	0.051 mm
No. of teeth Z	4
Cutting edge Ø D_c	14 mm

Corner chamfer width at 45°	0.2 mm
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length L_c	26 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