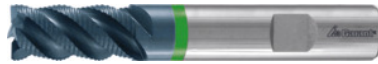


## Garant

### Roughing end mill MTC HSS-E-SPM, TiAlN, Ø k12 DC: 8 mm



#### Order data

Order number	192895 8
GTIN	4045197359483
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  $L_c$ : 19 mm

Overall length L: 69 mm

Shank Ø  $D_s$ : 10 mm

Corner chamfer width at 45°: 0.2 mm

Feed  $f_z$  for side milling in steel < 1100 N/mm<sup>2</sup>: 0.02 mm

#### Technical description

Cutting edge Ø $D_c$	8 mm
Feed $f_z$ for side milling in steel < 1100 N/mm <sup>2</sup>	0.02 mm
Corner chamfer width at 45°	0.2 mm

No. of teeth Z	4
Shank $\varnothing D_s$	10 mm
Overall length L	69 mm
Flute length $L_c$	19 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