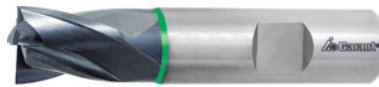


Garant
End mill HSS-E-SPM HPC, TiAlN, Ø k10 DC: 20 mm

Order data

Order number	191632 20
GTIN	4045197199065
Item class	11W

Description
Version:

Special **SPM** substrate with very high cobalt content.

Combines the **hardness of solid carbide** and the **toughness of PM steel**.

Dimensions to DIN 327.

Advantage:

This end mill can be used on a wide range of materials due to the universal geometry.

Tolerance nominal Ø: k10

No. of teeth Z: 4

Helix angle: 25 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 22 mm

Overall length L: 88 mm

Shank Ø D_s : 20 mm

Feed f_z for side milling in steel < 1100 N/mm²: 0.042 mm

Technical description

Cutting edge Ø D_c	20 mm
No. of teeth Z	4
Feed f_z for side milling in steel < 1100 N/mm ²	0.042 mm
Shank Ø D_s	20 mm
Overall length L	88 mm

Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal \varnothing	k10
Helix angle	25 degrees
Corner chamfer angle	90 degrees
Coating	TiAlN
Tool material	HSS E SPM
Standard	DIN 327
Type	N
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	0.5×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill