

Garant
Roughing end mill HPC HSS-E-SPM, TiAlN, Ø k12 DC: 20 mm

Order data

Order number	192855 20
GTIN	4045197108326
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**.

Centre cutting teeth profile for plunging.

Application:

For very high metal removal rates and increased machining volumes on stainless steels.

Machining strategy: HPC

Tolerance nominal Ø: k12

No. of teeth Z: 5

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 5

Flute length L_c : 38 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Corner chamfer width at 45°: 0.3 mm

Feed f_z for slot milling in stainless steel > 900 N/mm²: 0.042 mm

Technical description

Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.042 mm
No. of teeth Z	5
Corner chamfer width at 45°	0.3 mm
Cutting edge Ø D_c	20 mm

Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length L_c	38 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal \varnothing	k12
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS E SPM
Standard	DIN 844
Milling profile	HRF
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill