

Garant
Roughing end mill HPC HSS-E-SPM, TiAlN, Ø k12 DC: 12 mm

Order data

Order number	192852 12
GTIN	4045197198259
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: 4

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 16 mm

Overall length L: 73 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.3 mm

Feed f_z for slot milling in stainless steel > 900 N/mm²: 0.029 mm

Technical description

No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Cutting edge Ø D_c	12 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.029 mm

Shank $\varnothing D_s$	12 mm
Overall length L	73 mm
Flute length L_c	16 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 327
Milling profile	HRF
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill