

# Roughing end mill HPC HSS-E-SPM, TiAIN, Ø k12 DC: 12 mm



### **Order data**

Order number	192855 12
GTIN	4045197108289
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  $L_c$ : 26 mm Overall length L: 83 mm Shank  $\varnothing$  D<sub>s</sub>: 12 mm

Corner chamfer width at 45°: 0.3 mm

Feed  $f_z$  for slot milling in stainless steel > 900 N/mm<sup>2</sup>: 0.029 mm

# **Technical description**

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

Shank Ø D <sub>s</sub>	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 Ø	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