

Garant
End mill HSS-PM, TiAlN, Ø k10 DC: 12 mm

Order data

Order number	191581 12
GTIN	4045197973788
Item class	11W

Description
Version:

Multi-flute end mill, for highest metal removal rate demands. Centre cutting edge geometry for plunging. **Eccentric relief ground**. For peripheral milling as a finishing operation, **producing very high surface finish quality**.

Advantage:

Excellent results when **milling dry**.

Through-coolant: no

Tolerance nominal Ø: k10

No. of teeth Z: 4

Helix angle: 50 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

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11.5 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Recess Ø D_1	11.5 mm
No. of teeth Z	4
Helix angle	50 degrees
Shank	DIN 1835 B to h6

Overall length L	83 mm
Tolerance nominal \varnothing	k10
Feed f_z for slot milling in steel < 750 N/mm ²	0.058 mm
Overhang length L_1 incl. recess	38 mm
Shank $\varnothing D_s$	12 mm
Cutting edge $\varnothing D_c$	12 mm
Flute length L_c	26 mm
Corner chamfer width at 45°	0.25 mm
Direction of infeed	horizontal, oblique and vertical
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS PM
Standard	DIN 844 B
Type	N
Through-coolant	no
Colour ring	without
Type of product	End mill