

Garant

Roughing end mill with internal cooling, TiAlN, Ø k12 DC: 16 mm



Order data

Order number	192910 16
GTIN	4045197108777
Item class	11W

Description

Version:

Relief ground fine pitch knuckle form profile. Centre cutting edge geometry for plunging. For the most demanding metal removal rates.

Advantage:

The coolant is fed directly **to the cutting edges**, resulting in **longer tool life** and **complete chip clearance**.

Through-coolant: yes

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 : 32 mm

Overall length L: 92 mm

Shank Ø D_s : 16 mm

Corner chamfer width at 45°: 0.5 mm

Feed f_z for slot milling in steel < 1100 N/mm²: 0.04 mm

Technical description

No. of teeth Z	4
Corner chamfer width at 45°	0.5 mm
Cutting edge Ø D_c	16 mm
Shank Ø D_s	16 mm

Overall length L	92 mm
Flute length L _c	32 mm
Feed f _z for slot milling in steel < 1100 N/mm ²	0.04 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 PM
Standard	DIN 844
Milling profile	HR
Spacing of the cutters	unequal spacing
Through-coolant	yes
Colour ring	without
Type of product	End mill