

Garant
Roughing end mill HSS-PM, TiAlN, Ø DC: 12 mm

Order data

Order number	192860 12
GTIN	4045197108463
Item class	11W

Description
Version:
Relief ground fine pitch knuckle form profile.

Centre cutting teeth for plunging.

Size 6M to 25M – **MID mills:** Dimensions to **manufacturer's standard**, which is **between** DIN 844 **stub** and DIN 844 **long**.

Through-coolant: no

Tolerance nominal \varnothing : ± 0.12

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 : 26 mm

Overall length L: 83 mm

Shank $\varnothing D_s$: 12 mm

Corner chamfer width at 45°: 0.3 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.033 mm

Technical description

Cutting edge $\varnothing D_c$	12 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.033 mm
No. of teeth Z	5
Corner chamfer width at 45°	0.3 mm
Shank $\varnothing D_s$	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	±0.12
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS PM
Standard	DIN 844
Milling profile	HR
Through-coolant	no
Colour ring	green
Type of product	End mill