

**Garant**
**Roughing end mill, TiAlN, Ø DC: 4 mm**

**Order data**

Order number	192840 4
GTIN	4045197108005
Item class	11W

**Description**
**Version:**
**Relief ground fine pitch knuckle form profile.**

Centre cutting teeth for plunging.

Through-coolant: no

Tolerance nominal Ø:  $\pm 0.12$

No. of teeth Z: 3

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 3

Flute length  $L_c$ : 12 mm

Overall length L: 55 mm

Shank Ø  $D_s$ : 6 mm

Corner chamfer width at 45°: 0.3 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.007 mm

**Technical description**

Corner chamfer width at 45°	0.3 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.007 mm
Cutting edge Ø $D_c$	4 mm
No. of teeth Z	3
Shank Ø $D_s$	6 mm
Overall length L	55 mm

Flute length $L_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	$\pm 0.12$
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 844
Milling profile	HR
Through-coolant	no
Colour ring	green
Type of product	End mill