

**Garant**
**Roughing end mill HSS-PM, TiAlN, Ø DC: 30 mm**

**Order data**

Order number	192920 30
GTIN	4045197108883
Item class	11W

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

Centre cutting teeth for plunging.

For the most demanding metal removal rates.

**Advantage:**

Excellent results when milling dry.

Through-coolant: no

Tolerance nominal Ø: k12

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  $L_c$ : 90 mm

Overall length L: 166 mm

Shank Ø  $D_s$ : 25 mm

Corner chamfer width at 45°: 0.5 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.035 mm

**Technical description**

Cutting edge Ø $D_c$	30 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.035 mm
No. of teeth Z	5
Corner chamfer width at 45°	0.5 mm

Shank $\varnothing D_s$	25 mm
Overall length L	166 mm
Flute length $L_c$	90 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	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	no
Colour ring	without
Type of product	End mill