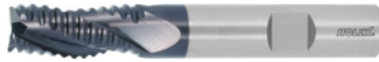




## Roughing end mill HSS-Co8, TiAlN, Ø js12 DC: 11 mm



### Order data

Order number	192450 11
GTIN	4045197106254
Item class	12W

### Description

#### Version:

#### Relief ground knuckle form profile.

Centre cutting teeth for plunging.

**Universal end mills** for profile milling or for plunging.

Economy version.

#### Advantage:

Compared to multi-flute cutters, **better chip evacuation due to larger flutes.**

Through-coolant: no

Tolerance nominal Ø: js12

No. of teeth Z: 3

Helix angle: 25 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 3

Flute length  $L_c$ : 22 mm

Overall length L: 79 mm

Shank Ø  $D_s$ : 12 mm

Corner chamfer width at 45°: 0.6 mm

Feed  $f_z$  for slot milling in steel < 750 N/mm<sup>2</sup>: 0.025 mm

### Technical description

No. of teeth Z	3
Cutting edge Ø $D_c$	11 mm
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.025 mm

Corner chamfer width at 45°	0.6 mm
Shank $\varnothing D_s$	12 mm
Overall length L	79 mm
Flute length $L_c$	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	js12
Helix angle	25 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 844 B
Milling profile	NR
Through-coolant	no
Colour ring	without
Type of product	End mill