

**Garant**
**High performance end mill, uncoated, Ø js12 DC: 12 mm**

**Order data**

Order number	191850 12
GTIN	4045197105493
Item class	11W

**Description**
**Version:**

Multi-flute mills **with ground chip breaker on flutes.**

End cutting teeth for plunging.

Special surface treatment.

**Advantage:**

**Applicable as finishing cutter with particularly high cutting performance.**

Through-coolant: no

Tolerance nominal Ø: js12

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  $L_c$ : 30 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 12 mm

Feed  $f_z$  for slot milling in steel < 750 N/mm<sup>2</sup>: 0.04 mm

**Technical description**

Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.04 mm
No. of teeth Z	4
Cutting edge Ø $D_c$	12 mm
Shank Ø $D_s$	12 mm
Overall length L	80 mm

Flute length L <sub>c</sub>	30 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal Ø	js12
Helix angle	30 degrees
Corner chamfer angle	90 degrees
Coating	uncoated
Tool material	HSS Co 8
Standard	Manufacturer's standard
Milling profile	NF
Through-coolant	no
Colour ring	without
Type of product	End mill