

## Garant

### Semi-roughing end mill, TiAlN, Ø k12 DC: 18 mm



#### Order data

Order number	191720 18
GTIN	4045197104991
Item class	11W

#### Description

##### Version:

Size 10 – 30 centre cutting teeth for plunging.

or a considerable performance improvement with special ground **chip breaker flutes**.

##### Advantage:

The chip breaker flutes **facilitate chip evacuation** and at the same time ensure a **good component surface finish**.

Through-coolant: no

Tolerance nominal Ø: k12

No. of teeth Z: 4

Helix angle: 27-30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length  $L_c$ : 32 mm

Overall length L: 92 mm

Shank Ø  $D_s$ : 16 mm

Feed  $f_z$  for slot milling in steel < 750 N/mm<sup>2</sup>: 0.05 mm

#### Technical description

Cutting edge Ø $D_c$	18 mm
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.05 mm
No. of teeth Z	4
Shank Ø $D_s$	16 mm
Overall length L	92 mm

Flute length $L_c$	32 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	k12
Helix angle	27-30 degrees
Corner chamfer angle	90 degrees
Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 844 B
Milling profile	NF
Through-coolant	no
Colour ring	without
Type of product	End mill