

Garant
Semi-roughing end mill, TiAlN, Ø k12 DC: 9 mm

Order data

Order number	191720 9
GTIN	4045197104939
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 and oblique

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 19 mm

Overall length L: 69 mm

Shank Ø D_s : 10 mm

Feed f_z for slot milling in steel < 750 N/mm²: 0.018 mm

Technical description

Cutting edge Ø D_c	9 mm
Feed f_z for slot milling in steel < 750 N/mm ²	0.018 mm
No. of teeth Z	4
Shank Ø D_s	10 mm
Overall length L	69 mm

Flute length L _c	19 mm
Direction of infeed	horizontal and oblique
Shank	DIN 1835 B to h6
Tolerance nominal Ø	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