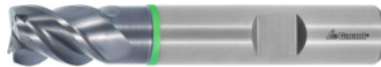


Garant
Solid carbide roughing end mill MTC, AlCrN, Ø e8 DC: 18 mm

Order data

Order number	203051 18
GTIN	4045197775856
Item class	11X

Description
Version:

For **roughing and finishing** up to 1.5xD into solid material **at very high feed rates** with smooth cutting action.

For cutting force reduction and better surface quality due to **45° helix**.

Improved coating for a further reduction in cutting force combined with increased tool life.

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 4

Flute length L_c : 22 mm

Overhang length L_1 incl. recess: 32 mm

Recess Ø D_1 : 17.5 mm

Overall length L: 82 mm

Shank Ø D_s : 18 mm

Technical description

Overhang length L_1 incl. recess	32 mm
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical

Overall length L	82 mm
Shank	DIN 6535 HB to h6
Balance quality with shank	G 2.5 with HB
Corner chamfer width at 45°	0.3 mm
Flute length L _c	22 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.155 mm
Shank Ø D _s	18 mm
Recess Ø D ₁	17.5 mm
Cutting edge Ø D _c	18 mm
No. of teeth Z	4
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	AlCrN
Tool material	solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a _e for milling operation	0.5×D for side milling
Cutting width a _e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill