

**Garant**
**Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 18 mm**

**Order data**

Order number	205710 18
GTIN	4045197362643
Item class	11X

**Description**
**Version:**

Dimensions similar to DIN 6527.

**Optimised special knuckle profile for roughing.**

Very **high rate of metal removal.**

Can be used as a **universal end mill.**

**Application:**

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

Tolerance nominal Ø: d11

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length  $L_c$ : 19 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 18 mm

Corner chamfer width at 45°: 0.35 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.1 mm

**Technical description**

Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.12 mm
Corner chamfer width at 45°	0.35 mm
No. of teeth Z	5

Cutting edge $\varnothing D_c$	18 mm
Shank $\varnothing D_s$	18 mm
Overall length L	80 mm
Flute length $L_c$	19 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	d11
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
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

## Services

Shank recess Type FRST	209900 FRST
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