



## Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 10mm



### Order data

Order number	205715 10
GTIN	4045197551306
Item class	12X

### Description

#### Version:

Dimensions similar to DIN 6527. **Optimised special knuckle profile for roughing. Very high metal removal rate.**

#### Application:

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

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 45°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 22 mm

Overall length L: 72 mm

Shank Ø  $D_s$ : 10 mm

Corner chamfer width at 45°: 0.2 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.05 mm

### Technical description

Corner chamfer width at 45°	0.2 mm
No. of teeth Z	4
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.05 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.06 mm
Cutting edge Ø $D_c$	10 mm

Shank $\varnothing D_s$	10 mm
Overall length L	72 mm
Flute length $L_c$	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	d11
Helix angle	45 °
Corner chamfer angle	45 °
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 / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 750 N/mm <sup>2</sup>	suitable	155 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	155 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	125 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	110 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	55 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	M
GG(G)	suitable	110 m/min	K

Uni	suitable
wet maximum	suitable
wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	Suitable only under restricted conditions

**Services**

Shank recess Type FRST

209900 FRST