

Garant
Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 6mm

Order data

Order number	205718 6
GTIN	4045197362872
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.

Technical description

Feed f_z for slot milling in steel < 900 N/mm ²	0.022 mm
No. of teeth Z	4
Cutting edge Ø D _c	6 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.024 mm
Recess Ø D ₁	5.5 mm
Corner chamfer width at 45°	0.15 mm
Overhang length L ₁ incl. recess	40 mm
Shank Ø D _s	6 mm
Overall length L	80 mm
Flute length L _c	12 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	Manufacturer's standard
Milling profile	HR
Cutting width a_e for milling operation	0.1×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 < 500 N/mm ²	suitable only under restricted conditions	120 m/min	P
Steel < 750 N/mm ²	suitable	95 m/min	P
Steel < 900 N/mm ²	suitable	85 m/min	P
Steel < 1100 N/mm ²	suitable	80 m/min	P
Steel < 1400 N/mm ²	suitable	70 m/min	P
TOOLOX 33	suitable	70 m/min	H
TOOLOX 44	suitable	60 m/min	H
INOX < 900 N/mm ²	suitable only under restricted conditions	50 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	35 m/min	M
GG(G)	suitable	70 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