

Garant

Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 20 mm



Order data

Order number	205712 20
GTIN	4045197362711
Item class	11X

Description

Version:

Dimensions similar to DIN 6527.

Optimised special knuckle profile for roughing.

Very **high rate of metal removal**.

With **special internal tooth profile** and 50° flutes for reliable chip breaking in **stainless steels**.

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: 50 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length L_c : 40 mm

Overhang length L_1 incl. recess: 54 mm

Recess Ø D_1 : 19.5 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Technical description

Overhang length L_1 incl. recess	54 mm
Recess Ø D_1	19.5 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.08 mm
Corner chamfer width at 45°	0.4 mm

Cutting edge $\varnothing D_c$	20 mm
No. of teeth Z	5
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.05 mm
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length L_c	40 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11
Helix angle	50 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	0.5xD for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	MTC
Colour ring	blue
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm	SZ2025 20