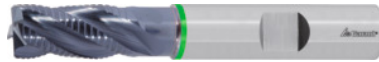


Garant
Solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 20 mm

Order data

Order number	205490 20
GTIN	4045197551610
Item class	11X

Description
Version:
With special knuckle profile.

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

Note:
NEW GENERATION AVAILABLE!
Recommended successor product No. 205550.

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 38 mm

Overhang length L_1 incl. recess: 54 mm

Recess Ø D_1 : 19 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Technical description

Feed f_z for slot milling in steel < 900 N/mm ²	0.1 mm
Recess Ø D_1	19 mm
Corner chamfer width at 45°	0.5 mm
Overhang length L_1 incl. recess	54 mm

Cutting edge $\varnothing D_c$	20 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.12 mm
No. of teeth Z	4
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length L_c	38 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	$0.5 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	green
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

