

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

Order data

Order number	205482 20
GTIN	4045197551733
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. 205548.

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 : 20 mm

Overhang length L_1 incl. recess: 42 mm

Recess Ø D_1 : 19 mm

Overall length L: 92 mm

Shank Ø D_s : 20 mm

Technical description

No. of teeth Z	4
Cutting edge Ø D_c	20 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.1 mm
Recess Ø D_1	19 mm

Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.12 mm
Overhang length L_1 incl. recess	42 mm
Corner chamfer width at 45°	0.5 mm
Shank $\varnothing D_s$	20 mm
Overall length L	92 mm
Flute length L_c	20 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
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