

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

Order data

Order number	207505 20
GTIN	4045197882790
Item class	11X

Description
Version:

Round **knuckle profile** for roughing, **including machining radii.**

Note:
Successor product to No. 207512

No. of teeth Z: 3

Helix angle: 45 degrees

No. of teeth Z: 3

Flute length L_c : 38 mm

Overall length L: 104 mm

Shank $\varnothing D_s$: 20 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.12 mm

Feed f_z for copy milling in steel < 900 N/mm²: 0.135 mm

Technical description

Shank $\varnothing D_s$	20 mm
Feed f_z for copy milling in steel < 900 N/mm ²	0.135 mm
Cutting edge $\varnothing D_c$	20 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.12 mm
Flute length L_c	38 mm
Overall length L	104 mm
No. of teeth Z	3
Helix angle	45 degrees

Radius R	10 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
Tolerance nominal \varnothing	d11
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.05×D for copy milling
Cutting width a_e for milling operation	0.5×D for side milling
Shank	DIN 6535 HB to h6
Through-coolant	no
Colour ring	without
Type of product	End mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm

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