

**Garant**
**Solid carbide ball nose roughing end mill, TiAlN, Ø d11 DC: 16 mm**

**Order data**

Order number	207505 16
GTIN	4045197882776
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  $L_c$ : 32 mm

Overall length L: 92 mm

Shank  $\varnothing D_s$ : 16 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.1 mm

Feed  $f_z$  for copy milling in steel < 900 N/mm<sup>2</sup>: 0.113 mm

**Technical description**

Shank $\varnothing D_s$	16 mm
No. of teeth Z	3
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Overall length L	92 mm
Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup>	0.113 mm
Flute length $L_c$	32 mm
Cutting edge $\varnothing D_c$	16 mm
Helix angle	45 degrees

Radius R	8 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 16 mm

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