

Garant

Solid carbide torus cutter, uncoated, Ø h6 DC / R1: 16/4,0 mm



Order data

Order number	206190 16/4,0
GTIN	4045197591777
Item class	11X

Description

Version:

Eccentric relief ground, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

Tolerances:

· Corner radius

$R_1 = 0.5$ tolerance ± 0.02 .

$R_1 > 0.5 - 1.5$ tolerance ± 0.03 .

$R_1 > 1.5$ tolerance ± 0.05 .

No. of teeth Z: 3

Helix angle: 45 degrees

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L_c : 36 mm

Corner radius R_1 : 4 mm

Overhang length L_1 incl. recess: 42 mm

Recess $\varnothing D_1$: 15 mm

Overall length L: 92 mm

Technical description

Corner radius R_1	4 mm
Overhang length L_1 incl. recess	42 mm
Cutting edge $\varnothing D_c$	16 mm
Recess $\varnothing D_1$	15 mm

No. of teeth Z	3
Feed f_z for copy milling in short-chipping aluminium	0.1 mm
Feed f_z for side milling in short-chipping aluminium	0.09 mm
Shank $\varnothing D_s$	16 mm
Flute length L_c	36 mm
Overall length L	92 mm
Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA to h6
Helix angle	45 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Tolerance nominal \varnothing	h6
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
Through-coolant	no
Shank tolerance	h6
Colour ring	yellow
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 16 mm	SZ2025 16
Shank grinding Type HB	129100 HB