

Garant
Solid carbide milling cutter with internal coolant supply HPC, TiAlN, Ø e8 DC: 16mm

Order data

Order number	203016 16
GTIN	4045197551115
Item class	11X

Description
Version:

With **internal coolant supply** for reliable swarf evacuation.

Note:

NEW GENERATION AVAILABLE! Recommended successor product is No. 202999.

Technical description

Recess Ø D ₁	15.5 mm
Cutting edge Ø D _c	16 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.055 mm
Overhang length L ₁ incl. recess	42 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.05 mm
Shank Ø D _s	16 mm
Overall length L	92 mm
Flute length L _c	36 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6

Tolerance nominal \varnothing	e8
Balance quality with shank	G 2.5 with HB
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	yes
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	250 m/min	P
Steel < 750 N/mm ²	suitable	230 m/min	P
Steel < 900 N/mm ²	suitable	200 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm ²	suitable	100 m/min	M
INOX > 900 N/mm ²	suitable	85 m/min	M

Ti > 850 N/mm ²	suitable only under restricted conditions	60 m/min	S
Uni	suitable only under restricted conditions		
wet maximum	suitable		
Air	Suitable		