

Garant

Solid carbide milling cutter with internal coolant supply HPC, TiAlN, Ø e8 DC: 5mm



Order data

Order number	203016 5
GTIN	4045197551061
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

Overhang length L_1 incl. recess	19 mm
No. of teeth Z	4
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.025 mm
Cutting edge $\varnothing D_c$	5 mm
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.025 mm
Corner chamfer width at 45°	0.1 mm
Recess $\varnothing D_1$	4.8 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length L_c	13 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		