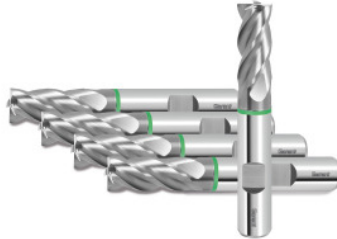


Garant
GARANT Master Steel solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 16mm

Order data

Order number	GG1035 16
GTIN	4067263134732
Item class	GGN

Description
Version:

Same as No. 203035.

For **roughing and finishing**.

Up to 1.5xD into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Technical description

Tolerance nominal Ø	f8
Cutting edge Ø D _c	16 mm
Shank	DIN 6535 HB to h6
Feed f _z for slot milling in steel < 900 N/mm ²	0.08 mm
Helix angle	38 degrees
Feed f _z for side milling in steel < 900 N/mm ²	0.1 mm
Shank Ø D _s	16 mm
Flute length L _c	36 mm

Corner chamfer width at 45°	0.32 mm
Overall length L	92 mm
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Corner chamfer angle	45 degrees
Overhang length L ₁ incl. recess	42 mm
Recess Ø D ₁	15.8 mm
Series	Master Steel
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	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	260 m/min	P
Steel < 750 N/mm ²	suitable	240 m/min	P
Steel < 900 N/mm ²	suitable	190 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	150 m/min	P

INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable	70 m/min	M
GG(G)	suitable	250 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

Accessories

GARANT Master Steel solid carbide roughing end millHPC
Ø f8 DC 16 mm

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