

Garant
Solid carbide roughing end mill, short HPC, TiAlN, Ø d11 DC: 5mm


Order data

Order number	205482 5
GTIN	4045197551634
Item class	11X

Description

Version:

With special knuckle profile.

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product No. 205548.

Technical description

Corner chamfer width at 45°	0.3 mm
Cutting edge Ø D _c	5 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.023 mm
No. of teeth Z	3
Feed f _z for slot milling in steel < 900 N/mm ²	0.02 mm
Shank Ø D _s	6 mm
Overall length L	54 mm
Flute length L _c	8 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	d11

Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.5×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
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
Steel < 500 N/mm ²	suitable	120 m/min	P
Steel < 750 N/mm ²	suitable	105 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	70 m/min	P
Steel < 1400 N/mm ²	suitable	60 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	35 m/min	H
INOX < 900 N/mm ²	suitable	60 m/min	M
INOX > 900 N/mm ²	suitable	50 m/min	M
GG(G)	suitable	90 m/min	K

Uni	suitable
wet maximum	suitable
wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	Suitable only under restricted conditions