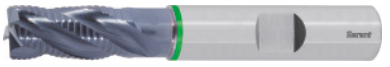
Garant

Solid carbide roughing end mill HPC, TiAlN, ∅ d11 DC: 10mm



Order data

Order number	205490 10
GTIN	4045197551542
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. 205550.

Technical description

Cutting edge ∅ D_C	10 mm
Recess ∅ D_1	9.5 mm
Feed f_z for slot milling in steel < 900 N/mm^2	0.05 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.06 mm
Overhang length L_1 incl. recess	32 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.5 mm
Shank ∅ D_s	10 mm
Overall length L	72 mm
Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical

Shank	DIN 6535 HB to h6
Tolerance nominal ∅	d11
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
Helix angle characteristic	unequal spacing
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/mm²	suitable	120 m/min	P
Steel < 750 N/mm²	suitable	105 m/min	P
Steel < 900 N/mm²	suitable	100 m/min	P
Steel < 1100 N/mm²	suitable	70 m/min	P
Steel < 1400 N/mm²	suitable	60 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	35 m/min	H

INOX < 900 N/mm²	suitable	60 m/min	M
INOX > 900 N/mm²	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		