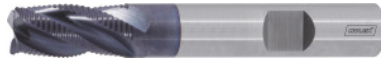




Solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 16Mmm



Order data

Order number	205492 16M
GTIN	4045197546135
Item class	12X

Description

Version:

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

Without dynamic twist pitch.

Size **16M MID mills: Dimensions to manufacturer's standard.**

Note:

NEW GENERATION AVAILABLE!

Recommended successor product No. 205706.

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 30°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 48 mm

Overall length L: 110 mm

Shank Ø D_s : 16 mm

Corner chamfer width at 45°: 0.5 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.08 mm

Technical description

Corner chamfer width at 45°	0.5 mm
No. of teeth Z	4
Cutting edge Ø D_c	16 mm

Feed f_z for side milling in steel < 900 N/mm ²	0.1 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.08 mm
Shank $\varnothing D_s$	16 mm
Overall length L	110 mm
Flute length L_c	48 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11
Helix angle	30°
Corner chamfer angle	45°
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
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	without
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	270 m/min	N
Alu > 10% Si	suitable only under restricted conditions	190 m/min	N
Steel < 500 N/mm ²	suitable	115 m/min	P
Steel < 750 N/mm ²	suitable	100 m/min	P

Steel < 900 N/mm ²	suitable	95 m/min	P
Steel < 1100 N/mm ²	suitable	65 m/min	P
Steel < 1400 N/mm ²	suitable	55 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	55 m/min	M
GG(G)	suitable	85 m/min	K
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	Suitable only under restricted conditions		

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 16 mm	SZ2025 16