



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



Order data

Order number	205486 16
GTIN	4045197555311
Item class	12X

Description

Version:

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

With 20° helix.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product No. 205704.

Technical description

Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Cutting edge $\varnothing D_c$	16 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.1 mm
Corner chamfer width at 45°	0.7 mm
No. of teeth Z	4
Shank $\varnothing D_s$	16 mm
Overall length L	82 mm
Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11

Helix angle	20 degrees
Corner chamfer angle	45 degrees
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