



Solid carbide roughing end mill, short HPC, TiAlN, Ø d11 DC: 12mm



Order data

Order number	205486 12
GTIN	4045197555304
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

No. of teeth Z	4
Corner chamfer width at 45°	0.5 mm
Cutting edge Ø D _c	12 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.06 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.08 mm
Shank Ø D _s	12 mm
Overall length L	73 mm
Flute length L _c	16 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	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