

Garant
Solid carbide milling cutter, TiAlN, Ø e8 DC: 12mm

Order data

Order number	202555 12
GTIN	
Item class	11X

Description
Version:

Double relief ground side clearance angle.

Technical description

Cutting edge Ø D _c	12 mm
No. of teeth Z	4
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 form	HB
Corner chamfer width at 45°	0.13 mm
Shank Ø D _s	12 mm
Overall length L	66 mm
Flute length L _c	16 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	e8
Helix angle	30°
Corner chamfer angle	45°

Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	without
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	35 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	60 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	Suitable only under restricted conditions		

dry	suitable
Air	Suitable