

Garant
Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 12mm

Order data

Order number	205714 12
GTIN	4045197362759
Item class	11X

Description
Version:

Dimensions similar to DIN 6527.

Optimised special knuckle profile for roughing.

Very **high rate of metal removal.**

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Technical description

Overhang length L_1 incl. recess	38 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.07 mm
Recess Ø D_1	11.5 mm
Corner chamfer width at 45°	0.25 mm
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
Shank Ø D_s	12 mm
Overall length L	83 mm
Flute length L_c	24 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6

Tolerance nominal \varnothing	d11
Helix angle	45 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	MTC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 750 N/mm ²	suitable	170 m/min	P
Steel < 900 N/mm ²	suitable	170 m/min	P
Steel < 1100 N/mm ²	suitable	140 m/min	P
Steel < 1400 N/mm ²	suitable	120 m/min	P
INOX < 900 N/mm ²	suitable	60 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	45 m/min	M
GG(G)	suitable	120 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		

Air

suitable