Data sheet

Solid carbide roughing end mill MTC, TiAlN, ⌀ d11 DC: 10mm

Order data

Order number	205715 10
GTIN	4045197551306
Item class	12X

Description

Version:
Dimensions similar to DIN 6527. **Optimised special knuckle profile for roughing.** Very **high metal removal rate.**
Application:
Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Technical description

Corner chamfer width at 45°	0.2 mm
No. of teeth Z	4
Feed f_z for slot milling in steel < 900 N/mm^2	0.05 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.06 mm
Cutting edge ⌀ D_C	10 mm
Shank ⌀ D_s	10 mm
Overall length L	72 mm
Flute length L_c	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal ⌀	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/mm²	suitable	155 m/min	P
Steel < 900 N/mm²	suitable	155 m/min	P
Steel < 1100 N/mm²	suitable	125 m/min	P
Steel < 1400 N/mm²	suitable	110 m/min	P
INOX < 900 N/mm²	suitable	55 m/min	M
INOX > 900 N/mm²	suitable only under restricted conditions	40 m/min	M
GG(G)	suitable	110 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	Suitable only under restricted conditions		

Suitable products

https://www.hoffmann-group.com/GB/en/hom/p/205715-10