

Garant

Solid carbide roughing end mill with internal coolant supply HPC, TiAlN, Ø d11 DC: 12 mm



Order data

Order number	205592 12
GTIN	4045197553171
Item class	11X

Description

Version:

With internal coolant supply.

The coolant is fed directly **to the cutting** edges.

This gives **longer tool-life** and **complete swarf evacuation**.

This is especially **important when milling slots or pockets**.

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 20 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.5 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.06 mm

Technical description

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

No. of teeth Z	4
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length L_c	26 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	0.3xD for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Through-coolant	yes
Machining strategy	HPC
Colour ring	green
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12