

Garant

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



Order data

Order number	205716 12
GTIN	4045197362841
Item class	11X

Description

Version:

Optimised special knuckle profile for roughing.

Very **high rate of metal removal**. Can be used as a **universal end mill**.

Special cooling channel system, to achieve the best possible high performance machining.

Application:

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

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 24 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11.5 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Feed f_z for side milling in steel < 900 N/mm ²	0.07 mm
Overhang length L_1 incl. recess	38 mm
Recess Ø D_1	11.5 mm
Cutting edge Ø D_c	12 mm

No. of teeth Z	4
Corner chamfer width at 45°	0.25 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.06 mm
Shank $\varnothing D_s$	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	0.5xD for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Through-coolant	yes
Machining strategy	MTC
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