

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

Order data

Order number	203009 12
GTIN	4045197588654
Item class	11X

Description
Version:

Specially for **machining stainless steels such as duplex steels at high rates of metal removal.**

Cutting edge chamfer: Size 4 = 0.07mm; size 5 – 8 = 0.12 mm; size 10 – 18 = 0.2 mm; ≥ size 20 = 0.3 mm

Tolerance nominal Ø: h10

No. of teeth Z: 4

Helix angle: 38 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

Overhang length L_1 incl. recess: 35 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Feed f_z for side milling in INOX > 900 N/mm ²	0.065 mm
Recess Ø D_1	11.6 mm
Cutting edge Ø D_c	12 mm
No. of teeth Z	4
Overhang length L_1 incl. recess	35 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm

Corner chamfer width at 45°	0.2 mm
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	h10
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
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
Machining strategy	HPC
Colour ring	blue
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