

**Garant**
**Solid carbide ball nose slot drill MTC, TiAlN, Ø f8 DC: 12 mm**

**Order data**

Order number	207450 12
GTIN	4045197128713
Item class	11X

**Description**
**Version:**

**Ball nose slot drills** with corrected cutting form, without profile distortion. With double relief ground side clearance angle.

Tolerance: Radius contour =  $\pm 0.005$  mm.

**Application:**

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

**Note:**

**NEW GENERATION AVAILABLE! Recommended successor product is No. 207490.**

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 16 mm

Overall length L: 73 mm

Shank  $\varnothing D_s$ : 12 mm

Feed  $f_z$  for side milling in steel  $< 900$  N/mm<sup>2</sup>: 0.068 mm

Feed  $f_z$  for copy milling in steel  $< 900$  N/mm<sup>2</sup>: 0.084 mm

**Technical description**

Feed $f_z$ for side milling in steel $< 900$ N/mm <sup>2</sup>	0.068 mm
Feed $f_z$ for copy milling in steel $< 900$ N/mm <sup>2</sup>	0.084 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm

Overall length L	73 mm
Flute length L <sub>c</sub>	16 mm
Helix angle	45 degrees
Radius R	6 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal Ø	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a <sub>e</sub> for milling operation	0.03×D for copy milling
Cutting width a <sub>e</sub> for milling operation	0.3×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	MTC
Colour ring	without
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB