

**Garant**
**Solid carbide ball nose slot drill MTC, TiAlN, Ø f8 DC: 10mm**

**Order data**

Order number	207460 10
GTIN	4045197128805
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. 207492.**

**Technical description**

No. of teeth Z	4
Cutting edge Ø D <sub>c</sub>	10 mm
Feed f <sub>z</sub> for copy milling in steel < 900 N/mm <sup>2</sup>	0.071 mm
Feed f <sub>z</sub> for side milling in steel < 900 N/mm <sup>2</sup>	0.058 mm
Shank Ø D <sub>s</sub>	10 mm
Overall length L	100 mm
Flute length L <sub>c</sub>	14 mm
Helix angle	45 degrees
Radius R	5 mm
Coating	TiAlN
Tool material	Solid carbide

Standard	DIN 6527
Type	N
Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.03×D for copy milling
Cutting width $a_e$ 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	Ball-nosed slot drill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	225 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	210 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	145 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	140 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	85 m/min	M
GG(G)	suitable	350 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		

## Services

Shank grinding Type HB

129100 HB