

**Garant**
**Solid carbide ball nose slot drill MTC, TiAlN, Ø f8 DC: 16mm**

**Order data**

Order number	207450 16
GTIN	4045197128737
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.**

**Technical description**

No. of teeth Z	4
Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup>	0.117 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.095 mm
Cutting edge Ø $D_c$	16 mm
Shank Ø $D_s$	16 mm
Overall length L	82 mm
Flute length $L_c$	22 mm
Helix angle	45 degrees
Radius R	8 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