

**Garant**
**Solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / D S: 12mm**

**Order data**

Order number	207280 12
GTIN	4045197127556
Item class	11X

**Description**
**Version:**
**Precision ground for very high accuracy requirements.**

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

**Note:**
**Recommended successor product is No. 207244.**
**Technical description**

No. of teeth Z	2
Feed $f_z$ for side milling in steel < 1100 N/mm <sup>2</sup>	0.073 mm
Cutting edge Ø $D_c$	12 mm
Feed $f_z$ for copy milling in steel < 1100 N/mm <sup>2</sup>	0.084 mm
Shank Ø $D_s$	12 mm
Overall length L	100 mm
Flute length $L_c$	16 mm
Helix angle	30 degrees
Radius R	6 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H

Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.5×D for side milling
Cutting width $a_e$ for milling operation	0.03×D for copy milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
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	210 m/min	P
Steel < 750 N/mm <sup>2</sup>	Suitable	190 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	175 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	140 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	135 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	65 m/min	M
GG(G)	suitable only under restricted conditions	300 m/min	K
CuZn	suitable only under restricted conditions	350 m/min	N
wet maximum	Suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	Suitable		

## Services

Shank grinding Type HB

129100 HB