

**Garant**
**Solid carbide ball nose slot drill 220°, TiAlN, Ø DC: 1mm**

**Order data**

Order number	207175 1
GTIN	4045197126627
Item class	11X

**Description**
**Version:**

Exact **radius form without profile distortion.**

Double relief ground side clearance angle.

Tolerance: Radius contour = **±0.01 mm.**

With enclosed angle **220°**. Size nominal Ø: **D<sub>c</sub> = f8**

**Note:**

Straight ground recess.

No. of teeth Z: 2

Helix angle: 30 °

No. of teeth Z: 2

Cutter length l<sub>c</sub>: 0.7 mm

Overhang length L<sub>1</sub> incl. recess: 5 mm

Recess Ø D<sub>1</sub>: 0.85 mm

Overall length L: 58 mm

Shank Ø D<sub>s</sub>: 6 mm

**Technical description**

Overhang length L <sub>1</sub> incl. recess	5 mm
Cutting edge Ø D <sub>c</sub>	1 mm
Recess Ø D <sub>1</sub>	0.85 mm
Cutter length l <sub>c</sub>	0.7 mm
No. of teeth Z	2
Feed f <sub>z</sub> for copy milling in steel < 1100 N/mm <sup>2</sup>	0.006 mm

Shank $\varnothing D_s$	6 mm
Overall length L	58 mm
Helix angle	30°
Radius R	0.5 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	0.03×D for copy milling
Shank	DIN 6535 HA to h5
Through-coolant	no
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	575 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	390 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	390 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	280 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	200 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	200 m/min	M
GG(G)	suitable	575 m/min	K
Uni	suitable		
wet maximum	Suitable		
wet minimum	suitable only under restricted conditions		

dry	suitable
Air	Suitable
<b>Services</b>	

Shank grinding Type HB	129100 HB
------------------------	-----------