

Garant
Solid carbide ball nose slot drill 220°, TiAlN, Ø DC: 6mm

Order data

Order number	207175 6
GTIN	4045197126689
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_c = f8**

Note:

Ground recess after cutter length L_c is conically increasing.

Technical description

Feed f _z for copy milling in steel < 1100 N/mm ²	0.044 mm
Recess Ø D ₁	5.9 mm
No. of teeth Z	2
Cutter length l _c	4 mm
Overhang length L ₁ incl. recess	30 mm
Cutting edge Ø D _c	6 mm
Shank Ø D _s	6 mm
Overall length L	100 mm
Helix angle	30 degrees
Radius R	3 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 ²	suitable	575 m/min	P
Steel < 750 N/mm ²	suitable	390 m/min	P
Steel < 900 N/mm ²	suitable	390 m/min	P
Steel < 1100 N/mm ²	suitable	280 m/min	P
Steel < 1400 N/mm ²	suitable	200 m/min	P
INOX < 900 N/mm ²	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		

Services

Shank grinding Type HB	129100 HB
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