

Garant
Solid carbide ball nose slot drill, DLC, Ø f8 DC: 12mm

Order data

Order number	207092 12
GTIN	4045197849861
Item class	11X

Description
Version:

With the latest generation of **DLC coating sp²**.

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

Note:

Successor product to No. 207090.

Technical description

Cutting edge Ø D _c	12 mm
No. of teeth Z	2
Shank Ø D _s	12 mm
Overhang length L ₁ incl. recess	105 mm
Overall length L	150 mm
Flute length L _c	26 mm
Recess Ø D ₁	11.4 mm
Feed f _z for copy milling in short-chipping aluminium	0.08 mm
Helix angle	45 degrees
Radius R	6 mm
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard

Type	W
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 h6
Balance quality with shank	G 2.5 with HA
Through-coolant	no
Colour ring	yellow
Type of product	Ball-nosed slot drill

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	400 m/min	N
Aluminium (short chipping)	suitable	375 m/min	N
Alu > 10% Si	suitable	325 m/min	N
PMMA acrylic	Suitable	190 m/min	N
PE-HD	Suitable	150 m/min	N
PA 66	Suitable	190 m/min	N
PEEK	Suitable	140 m/min	N
PF 31	Suitable	120 m/min	N
PVDF GF20	Suitable	160 m/min	N
POM GF25	Suitable	150 m/min	N
PA 66 GF30	Suitable	140 m/min	N
PEEK GF30	Suitable	110 m/min	N
PTFE CF25	Suitable	150 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	280 m/min	N
Cu	Suitable	150 m/min	N

CuZn	Suitable	180 m/min	N
wet maximum	suitable		
wet minimum	Suitable		
dry	suitable only under restricted conditions		
Air	Suitable		

Services

Shank grinding Type HB	129100 HB
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