

Garant
Solid carbide ball nose slot drill, DLC, Ø f8 DC: 8mm

Order data

| | |
|--------------|---------------|
| Order number | 207092 8 |
| GTIN | 4045197849847 |
| 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

| | |
|---|-------------------------|
| Feed f_z for copy milling in short-chipping aluminium | 0.06 mm |
| Recess $\varnothing D_1$ | 7.5 mm |
| No. of teeth Z | 2 |
| Overall length L | 150 mm |
| Cutting edge $\varnothing D_c$ | 8 mm |
| Shank $\varnothing D_s$ | 8 mm |
| Flute length L_c | 22 mm |
| Overhang length L_1 incl. recess | 104 mm |
| Helix angle | 45 degrees |
| Radius R | 4 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 |
|------------------------|-----------|