

**Garant**
**Solid carbide ball nose slot drill, DLC, Ø f8 DC: 6mm**

**Order data**

Order number	207443 6
GTIN	4045197591159
Item class	11X

**Description**
**Version:**

With **the latest generation of DLC coating sp<sup>2</sup>**.

For **high-performance milling of aluminium materials**. 4 centre cutting edges to the centre.

Can therefore be used as a true **4-edge drill** in all cutting depths; for hardened steel.

Tolerance: Radius contour = **±0.005 mm**.

**Technical description**

Cutting edge Ø D <sub>c</sub>	6 mm
No. of teeth Z	4
Feed f <sub>z</sub> for copy milling in cast aluminium	0.06 mm
Recess Ø D <sub>1</sub>	5.5 mm
Overhang length L <sub>1</sub> incl. recess	44 mm
Shank Ø D <sub>s</sub>	6 mm
Overall length L	100 mm
Flute length L <sub>c</sub>	16 mm
Helix angle	45 degrees
Radius R	2 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	0.1×D for copy milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	yellow
Type of product	Ball-nosed slot drill

### User data

	Suitability	$V_c$	ISO code
Aluminium	Suitable	500 m/min	N
Aluminium (short chipping)	suitable	450 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	Suitable	200 m/min	N
PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	Suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	Suitable	180 m/min	N
POM GF25	Suitable	160 m/min	N
PA 66 GF30	Suitable	150 m/min	N
PEEK GF30	Suitable	120 m/min	N
PTFE CF25	Suitable	160 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N
Cu	Suitable	160 m/min	N
CuZn	Suitable	200 m/min	N

wet maximum	suitable
wet minimum	Suitable
dry	suitable only under restricted conditions
<del>Air</del> <b>Services</b>	Suitable
Shank grinding Type HB	129100 HB