

**Garant**
**Solid carbide ball nose slot drill, DLC, Ø f8 DC: 20mm**

**Order data**

Order number	207443 20
GTIN	4045197591203
Item class	11X

**Description**
**Version:**

With **the latest generation of DLC coating  $sp^2$** .

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 =  $\pm 0.005$  mm.

**Technical description**

No. of teeth Z	4
Overhang length $L_1$ incl. recess	92 mm
Cutting edge $\varnothing D_c$	20 mm
Recess $\varnothing D_1$	19 mm
Feed $f_z$ for copy milling in cast aluminium	0.2 mm
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length $L_c$	40 mm
Helix angle	45 degrees
Radius R	10 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