

**Garant**
**Solid carbide ball nose slot drill, DLC, Ø f8 DC: 3mm**

**Order data**

Order number	207092 3
GTIN	4045197849816
Item class	11X

**Description**
**Version:**

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

Tolerances: Radius contour =  $\pm 0.01$  mm.

**Note:**

**Successor product to No. 207090.**

**Technical description**

Feed $f_z$ for copy milling in short-chipping aluminium	0.03 mm
Cutting edge $\varnothing D_c$	3 mm
Overhang length $L_1$ incl. recess	82 mm
Flute length $L_c$	10 mm
Shank $\varnothing D_s$	3 mm
No. of teeth $Z$	2
Recess $\varnothing D_1$	2.7 mm
Overall length $L$	125 mm
Helix angle	45 degrees
Radius $R$	1.5 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		