

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

**Order data**

Order number	207026 6
GTIN	4045197596451
Item class	11X

**Description**
**Version:**

Additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium components.

Dimensions similar to **DIN 6527**.

**Technical description**

Overhang length $L_1$ incl. recess	21 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.06 mm
No. of teeth $Z$	2
Recess $\varnothing D_1$	5.5 mm
Cutting edge $\varnothing D_c$	6 mm
Shank $\varnothing D_s$	6 mm
Overall length $L$	54 mm
Flute length $L_c$	10 mm
Helix angle	45 degrees
Radius $R$	3 mm
Coating	uncoated
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	230 m/min	N
Aluminium (short chipping)	suitable	180 m/min	N
Alu > 10% Si	suitable	140 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
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 only under restricted conditions		
dry	suitable only under restricted conditions		

Air

suitable only under  
restricted conditions

**Services**

Shank grinding Type HB

129100 HB