

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

**Order data**

Order number	207443 20
GTIN	4045197591203
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**.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length L<sub>c</sub>: 40 mm

Overhang length L<sub>1</sub> incl. recess: 92 mm

Recess Ø D<sub>1</sub>: 19 mm

Overall length L: 150 mm

Shank Ø D<sub>s</sub>: 20 mm

**Technical description**

No. of teeth Z	4
Overhang length L <sub>1</sub> incl. recess	92 mm
Cutting edge Ø D <sub>c</sub>	20 mm
Recess Ø D <sub>1</sub>	19 mm
Feed f <sub>z</sub> for copy milling in cast aluminium	0.2 mm
Shank Ø D <sub>s</sub>	20 mm
Overall length L	150 mm
Flute length L <sub>c</sub>	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	$0.1 \times D$ for copy milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	yellow
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB