

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

**Order data**

Order number	207441 20
GTIN	4045197591111
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. Therefore can be used as a true **4-edge drill** at all depths of cut.

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>: 25 mm

Overhang length L<sub>1</sub> incl. recess: 50 mm

Recess Ø D<sub>1</sub>: 19 mm

Overall length L: 93 mm

Shank Ø D<sub>s</sub>: 20 mm

**Technical description**

No. of teeth Z	4
Feed f <sub>z</sub> for copy milling in cast aluminium	0.2 mm
Recess Ø D <sub>1</sub>	19 mm
Cutting edge Ø D <sub>c</sub>	20 mm
Overhang length L <sub>1</sub> incl. recess	50 mm
Shank Ø D <sub>s</sub>	20 mm
Overall length L	93 mm

Flute length $L_c$	25 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