

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

**Order data**

Order number	207135 20
GTIN	4045197126528
Item class	11X

**Description**
**Version:**

Full radius ball nose slot drill with long main flutes.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length  $L_c$ : 75 mm

Overall length L: 150 mm

Shank  $\varnothing D_s$ : 20 mm

Feed  $f_z$  for side milling in steel  $< 900 \text{ N/mm}^2$ : 0.12 mm

Feed  $f_z$  for copy milling in steel  $< 900 \text{ N/mm}^2$ : 0.135 mm

**Technical description**

No. of teeth Z	2
Cutting edge $\varnothing D_c$	20 mm
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.12 mm
Feed $f_z$ for copy milling in steel $< 900 \text{ N/mm}^2$	0.135 mm
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length $L_c$	75 mm
Helix angle	30 degrees
Radius R	10 mm

Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ for milling operation	0.05×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	without
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