

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

**Order data**

Order number	207115 20
GTIN	4045197229601
Item class	11X

**Description**

Solid carbide ball nose slot drill 20 mm No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length  $L_c$ : 26 mm

Overhang length  $L_1$  incl. recess: 40 mm

Recess Ø  $D_1$ : 19.7 mm

Overall length L: 92 mm

Shank Ø  $D_s$ : 20 mm

**Technical description**

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.12 mm
Overhang length $L_1$ incl. recess	40 mm
No. of teeth Z	2
Cutting edge Ø $D_c$	20 mm
Recess Ø $D_1$	19.7 mm
Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup>	0.135 mm
Shank Ø $D_s$	20 mm
Overall length L	92 mm
Flute length $L_c$	26 mm
Helix angle	30 degrees
Radius R	10 mm

Coating	TiAlN
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	0.05×D for copy 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