

**Garant**
**Diabolo solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 20 mm**

**Order data**

Order number	207362 20
GTIN	4045197600196
Item class	11X

**Description**
**Version:**
**GARANT Diabolo:**

Special geometry, coating and carbide for hard machining.

Tolerance: Radius contour =  $\pm 0.005$  mm.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length  $L_c$ : 26 mm

Overall length L: 150 mm

Shank  $\varnothing D_s$ : 20 mm

Feed  $f_z$  for side milling in steel < 65 HRC: 0.1 mm

Feed  $f_z$  for copy milling in steel < 65 HRC: 0.1 mm

**Technical description**

Feed $f_z$ for copy milling in steel < 65 HRC	0.1 mm
Cutting edge $\varnothing D_c$	20 mm
No. of teeth Z	2
Feed $f_z$ for side milling in steel < 65 HRC	0.1 mm
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length $L_c$	26 mm
Helix angle	30 degrees

Radius R	10 mm
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
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	0.2×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	red
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