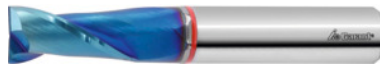


**Garant**
**Diabolo solid carbide slot drill HPC, TiAlN, Ø e8 DC: 20 mm**

**Order data**

Order number	201639 20
GTIN	4045197597359
Item class	11X

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

Special geometry, coating and carbide specially for hard machining.

New generation of high performance milling cutters in the **HPC machining range**.

From size 2 with neck recess (dimensions  $L_1$  and  $\varnothing D_1$ ).

Tolerance nominal  $\varnothing$ : e8

No. of teeth Z: 2

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 38 mm

Overhang length  $L_1$  incl. recess: 54 mm

Recess  $\varnothing D_1$ : 19.7 mm

Overall length L: 104 mm

Shank  $\varnothing D_s$ : 20 mm

**Technical description**

Cutting edge $\varnothing D_c$	20 mm
Overhang length $L_1$ incl. recess	54 mm
Feed $f_z$ for slot milling in steel < 65 HRC	0.04 mm
Recess $\varnothing D_1$	19.7 mm
Corner chamfer width at 45°	0.2 mm

Feed $f_z$ for side milling in steel < 65 HRC	0.045 mm
No. of teeth Z	2
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length $L_c$	38 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	e8
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	H
Cutting width $a_e$ for milling operation	0.05×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
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