

**Garant**
**GARANT Master Steel solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / D S: 20 mm**

**Order data**

Order number	207242 20
GTIN	4062406285081
Item class	11X

**Description**
**Version:**
**Precision ground for very high accuracy requirements.**

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

Improved cutting edge protection thanks to slight edge honing. Tremendous bending strength due to the use of ultra-fine grain substrate.

No. of teeth Z: 2

Helix angle: 28 degrees

No. of teeth Z: 2

Flute length  $L_c$ : 26 mm

Overall length L: 92 mm

Shank  $\varnothing D_s$ : 20 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.15 mm

Feed  $f_z$  for copy milling in steel < 900 N/mm<sup>2</sup>: 0.2 mm

**Technical description**

Overall length L	92 mm
Shank $\varnothing D_s$	20 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.15 mm
Flute length $L_c$	26 mm
Cutting edge $\varnothing D_c$	3 mm
Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup>	0.2 mm

No. of teeth Z	2
Helix angle	28 degrees
Radius R	10 mm
Series	GARANT Master Steel
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	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	$0.03 \times D$ for copy milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill