

**Garant**
**GARANT Master INOX solid carbide slot drill HPC, TiAlN, Ø e8 DC: 6 mm**

**Order data**

Order number	201647 6
GTIN	4062406112998
Item class	11X

**Description**
**Version:**

**Double** relief ground **2 chamfers hollow ground** for use in **HPC applications**.

Greater oxidation resistance and high-temperature hardness.

Can be used at high cutting speeds, particularly suitable even for Toolox®.

**Note:**

**Successor product to No. 201644.**

Tolerance nominal Ø: e8

No. of teeth Z: 2

Helix angle: 50 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 13 mm

Overhang length  $L_1$  incl. recess: 21 mm

Recess Ø  $D_1$ : 5.8 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Shank Ø $D_s$	6 mm
Feed $f_z$ for slot milling in stainless steel < 900 N/mm <sup>2</sup>	0.035 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	50 degrees

Cutting edge $\varnothing D_c$	6 mm
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	e8
No. of teeth Z	2
Overhang length $L_1$ incl. recess	21 mm
Feed $f_z$ for side milling in INOX < 900 N/mm <sup>2</sup>	0.04 mm
Overall length L	57 mm
Flute length $L_c$	13 mm
Corner chamfer width at 45°	0.15 mm
Recess $\varnothing D_1$	5.8 mm
Corner chamfer angle	45 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	solid carbide
Standard	DIN 6527
Type	N
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB