

**Garant**
**Stub drill HSS-E-PM HPC, TiAlN, Ø DC h8: 3,3 mm**

**Order data**

Order number	113280 3,3
GTIN	4045197007452
Item class	11B

**Description**
**Version:**

Tool made of sintered **powder metallurgy HSS** for heavy duty applications. Ground flutes with high concentricity. Generous flute profile.

With point geometry shape A/C from size 2.2 mm.

**Advantage:**

Can be used at increased cutting data.

**Recommendation:**
**Maximum drilling depth:**

flute length (see table) less 1.5×nominal Ø.

Machining strategy: HPC

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L<sub>2</sub>: 13.1 mm

Flute length L<sub>c</sub>: 18 mm

Overall length L: 49 mm

Shank Ø D<sub>s</sub>: 3.3 mm

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.02 mm/rev.

**Technical description**

Nominal Ø D <sub>c</sub>	3.3 mm
Flute length L <sub>c</sub>	18 mm
Number of cutting edges Z	2
Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.02 mm/rev.

Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	3.3 mm
Overall length L	49 mm
Standard	DIN 1897
recommended maximum drilling depth $L_2$	13.1 mm
Point angle	130 degrees
Coating	TiAlN
Tool material	HSS E PM
Shank	Plain shank
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill