

**Garant**
**Jobber drill HSS-E-PM HPC, TiAlN, Ø DC h8: 4,6 mm**

**Order data**

Order number	114610 4,6
GTIN	4045197856302
Item class	11B

**Description**
**Version:**

With form S point.

**High-performance HPC twist drills** for high-alloy and high tensile materials. Particularly strong due to **strengthened core and a parabolic flute profile**. Point geometry with rake angle correction. Precise concentricity for exact holes.

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

$$L_2 = L_c - 1.5 \times D_c$$

Machining strategy: HPC

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 40.1 mm

Flute length  $L_c$ : 47 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 4.6 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.05 mm/rev.

**Technical description**

Feed f in steel < 900 N/mm <sup>2</sup>	0.05 mm/rev.
Tolerance nominal Ø	h8
Overall length L	80 mm
Nominal Ø $D_c$	4.6 mm
Flute length $L_c$	47 mm

Number of cutting edges Z	2
Shank $\varnothing D_s$	4.6 mm
Standard	DIN 338
recommended maximum drilling depth $L_2$	40.1 mm
Point angle	130 degrees
Coating	TiAlN
Tool material	HSS E PM
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill