

**Garant**
**Jobber drill SS-E-PM HPC, TiAlN, Ø DC h8: 4,5 mm**

**Order data**

Order number	114620 4,5
GTIN	4045197023674
Item class	11B

**Description**
**Version:**

Dimensions similar to DIN 338.

Shank to DIN 1835A.

**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.

With form S point.

**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  $L_2$ : 40.3 mm

Flute length  $L_c$ : 47 mm

Overall length L: 91 mm

Shank Ø  $D_s$ : 6 mm

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

**Technical description**

Flute length $L_c$	47 mm
Number of cutting edges Z	2
Feed f in steel < 900 N/mm <sup>2</sup>	0.05 mm/rev.

Nominal $\varnothing D_c$	4.5 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	6 mm
Overall length L	91 mm
Standard	DIN 338
recommended maximum drilling depth $L_2$	40.3 mm
Point angle	130 degrees
Coating	TiAlN
Tool material	HSS E PM
Helix angle	38 degrees
Shank	DIN 1835 A to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill