

**Garant**
**Jobber drill HSS-E H, uncoated, Ø DC h8: 3mm**

**Order data**

Order number	114470 3
GTIN	4045197019356
Item class	11B

**Description**
**Version:**

**Profile ground:** this ensures high concentricity and pitch accuracy. Precision ground point. Drill for production use.

**Strengthened core,** bright, **flute length to DIN 1897, overall length DIN 338.**

Also for **HARDOX materials.**

With point geometry shape C.

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

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

**Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.03 mm/rev.
Nominal Ø D <sub>c</sub>	3 mm
Number of cutting edges Z	2
Flute length L <sub>c</sub>	16 mm
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	3 mm
Overall length L	61 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	11.5 mm
Point angle	135 degrees

Shank	Plain shank
Coating	uncoated
Tool material	HSS E
Type	H
Through-coolant	no
Colour ring	pink
Type of product	Jobber drill

### User data

	Suitability	$V_c$	ISO code
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	P
HARDOX 500 < 1600 N/mm <sup>2</sup>	suitable	6 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	12 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	8 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	5 m/min	S
Oil	suitable		
wet maximum	suitable		