

**Garant**
**Jobber drill HSS-E for Hardox H, uncoated, Ø DC h8: 21mm**

**Order data**

Order number	116380 21
GTIN	4045197032645
Item class	11C

**Description**
**Version:**

**Particularly sturdy** due to **extra short drilling section** and partly with larger MT. Strengthened core.

With point geometry shape C.

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

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

**Note:**

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

**Technical description**

Feed f in steel < 1400 N/mm <sup>2</sup>	0.14 mm/rev.
Nominal Ø D <sub>c</sub>	21 mm
Flute length L <sub>c</sub>	87 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h8
Overall length L	208 mm
Morse taper MT size	3
Standard	Manufacturer's standard
recommended maximum drilling depth L <sub>2</sub>	55.5 mm
Point angle	130 degrees

Shank	Morse taper
Coating	uncoated
Tool material	HSS Co 8
Type	H
Helix angle	8-15 degrees
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 1100 N/mm <sup>2</sup>	suitable	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	5 m/min	H
Ti > 850 N/mm <sup>2</sup>	suitable	5 m/min	S
Oil	suitable		
wet maximum	suitable		