


**HOLEX CleverDrill HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 0,45**

**Order data**

Order number	114031 0,45
GTIN	4062406743383
Item class	12B

**Description**
**Version:**

**HOLEX CleverDrill:** Sturdy drills for all standard applications. Improved spot drilling behaviour due to cross-ground form. Standard core thickness and core taper. Profile ground. Surface: Bronze-coloured tempered helical flutes.

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

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

**Note:**
**Successor product to No. 114030.**

Size 13.2 – 20: With stepped shank Ø 12.7 mm.

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 118 °

Shank: Plain shank

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 4.3 mm

Flute length  $L_c$ : 5 mm

Overall length L: 20 mm

Shank Ø  $D_s$ : 0.45 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Overall length L	20 mm
Number of cutting edges Z	2

Shank $\varnothing D_s$	0.45 mm
recommended maximum drilling depth $L_2$	4.3 mm
Nominal $\varnothing D_c$	0.45 mm
Tolerance nominal $\varnothing$	h8
Point angle	118°
Feed $f$ in steel < 750 N/mm <sup>2</sup>	0.03 mm/rev.
Flute length $L_c$	5 mm
Standard	DIN 338
Shank	Plain shank
Series	CleverDrill
Coating	uncoated
Tool material	HSS
Type	N
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	80 m/min	N
Aluminium (short chipping)	suitable	60 m/min	N
Alu > 10% Si	suitable	50 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	35 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	32 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	22 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	18 m/min	P
GG(G)	suitable	30 m/min	K
CuZn	suitable	40 m/min	N

Oil	suitable
wet maximum	suitable