


**HOLEX CleverDrill HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 11,9**

**Order data**

Order number	114031 11,9
GTIN	4062406744755
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  $L_2$ : 83.2 mm

Flute length  $L_c$ : 101 mm

Overall length L: 151 mm

Shank Ø  $D_s$ : 11.9 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.1 mm/rev.

**Technical description**

Nominal Ø $D_c$	11.9 mm
Point angle	118 °

Overall length L	151 mm
Flute length L <sub>c</sub>	101 mm
Tolerance nominal Ø	h8
Feed f in steel < 750 N/mm <sup>2</sup>	0.1 mm/rev.
recommended maximum drilling depth L <sub>2</sub>	83.2 mm
Standard	DIN 338
Shank Ø D <sub>s</sub>	11.9 mm
Number of cutting edges Z	2
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 <sub>c</sub>	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