



## HOLEX CleverDrill HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 4,5



### Order data

Order number	114030 4,5
GTIN	4045197850652
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 for No. 114050 and No. 114160.**

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

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 130°

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 40.3 mm

Flute length  $L_C$ : 47 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 4.5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.05 mm/rev.

### Technical description

Standard	DIN 338
Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.
Number of cutting edges Z	2

## Data sheet

Flute length $L_c$	47 mm
Nominal $\varnothing D_c$	4.5 mm
Tolerance nominal $\varnothing$	h8
Overall length L	80 mm
recommended maximum drilling depth $L_2$	40.3 mm
Shank $\varnothing D_s$	4.5 mm
Point angle	130°
Series	HOLEX CleverDrill
Coating	uncoated
Tool material	HSS
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable only under restricted conditions	80 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	60 m/min	N
Alu > 10% Si	suitable only under restricted conditions	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 only under restricted conditions	18 m/min	P
GG(G)	suitable only under restricted conditions	30 m/min	K

## Data sheet

CuZn	suitable	40 m/min	N
Oil	suitable		
wet maximum	suitable		