



## HOLEX CleverDrill HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 4,6



### Order data

Order number	114030 4,6
GTIN	4045197850669
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  $L_2$ : 40.1 mm

Flute length  $L_c$ : 47 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 4.6 mm

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

### Technical description

Nominal Ø $D_c$	4.6 mm
Overall length L	80 mm
recommended maximum drilling depth $L_2$	40.1 mm

## Data sheet

Shank $\varnothing D_s$	4.6 mm
Standard	DIN 338
Flute length $L_c$	47 mm
Feed $f$ in steel $< 750 \text{ N/mm}^2$	0.05 mm/rev.
Tolerance nominal $\varnothing$	h8
Number of cutting edges $Z$	2
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 $> 10\% \text{ Si}$	suitable only under restricted conditions	50 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	35 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	32 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	22 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable only under restricted conditions	18 m/min	P

## Data sheet

GG(G)	suitable only under restricted conditions	30 m/min	K
CuZn	suitable	40 m/min	N
Oil	suitable		
wet maximum	suitable		