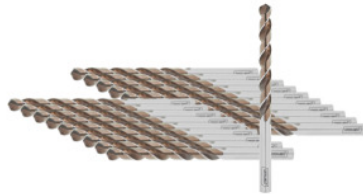



**HOLEX CleverDrill HSS jobber drill N, uncoated, Ø DC h8: 11,5mm**

**Order data**

Order number	GG4031 11,5
GTIN	4067263101963
Item class	GGN

**Description**
**Version:**

**HOLEX CleverDrill:** Sturdy drill 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.

**Same as No. 114031.**

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

$$L_2 = L_C - 1.5 \times D_C$$

**Note:**

**Successor product to No. 114030.**

Size 13.5 – 16: With stepped shank Ø 12.7 mm.

**Technical description**

Point angle	118 degrees
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	11.5 mm
Nominal Ø D <sub>c</sub>	11.5 mm
recommended maximum drilling depth L <sub>2</sub>	76.8 mm
Number of cutting edges Z	2

Flute length $L_c$	94 mm
Feed $f$ in steel $< 750 \text{ N/mm}^2$	0.1 mm/rev.
Standard	DIN 338
Overall length $L$	142 mm
Shank	Plain shank
Contents	20
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 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
GG(G)	suitable only under restricted conditions	30 m/min	K
CuZn	suitable	40 m/min	N

Oil	suitable
wet maximum	suitable

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## Accessories

HOLEX CleverDrill HSS jobber drillN Ø DC h8 (mm or inch) 11,5	114031 11,5
HOLEX CleverDrill jobber drill set HSS No. 114031 in a case Type 1-13	115051 1-13
HOLEX CleverDrill HSS jobber drill set No. 114031 as a refill set Type 1-13	115056 1-13