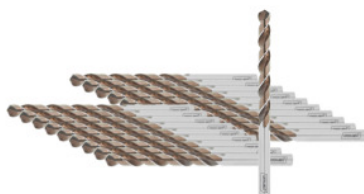


**Value pack HOLEX CleverDrill twist drill HSS N, Ø DC h8: 11 mm****Order data**

|              |               |
|--------------|---------------|
| Order number | GG4031 11     |
| GTIN         | 4067263101956 |
| 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 |
| Flute length $L_c$                       | 94 mm       |
| Shank                                    | Plain shank |
| recommended maximum drilling depth $L_2$ | 77.5 mm     |
| Number of cutting edges $Z$              | 2           |
| Standard                                 | DIN 338     |

|   |              |
|---|--------------|
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.1 mm/rev.  |
| Overall length L                        | 142 mm       |
| Nominal Ø D <sub>c</sub>                | 11 mm        |
| Tolerance nominal Ø                     | h8           |
| Shank Ø D <sub>s</sub>                  | 11 mm        |
| 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 <sub>c</sub> | 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        |
| CuZn                           | suitable                                  | 40 m/min       | N        |

|             |          |
|-------------|----------|
| Oil         | suitable |
| wet maximum | suitable |

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## Accessories

|  |             |
|--|-------------|
| HOLEX CleverDrill HSS jobber drill N Ø DC h8 (mm or inch)<br>11                | 114031 11   |
| HOLEX CleverDrill jobber drill set HSS No. 114031 in a case<br>Type 1-13       | 115051 1-13 |
| HOLEX CleverDrill HSS jobber drill set No. 114031 as a refill<br>set Type 1-13 | 115056 1-13 |