

**Garant**
**Jobber drill extra long HSS N, uncoated, Ø DC h8: 11,5R2mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 116760 11,5R2 |
| GTIN         | 4045197035264 |
| Item class   | 11C           |

**Description**
**Version:**

High concentricity. Core thickness and core taper are standard.

Special surface treatment.

Precision ground point. When drilling deep holes, evacuate chips from the hole frequently, and ensure adequate cooling.

Economy version with standard flutes.

With point geometry shape A.

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

$$L_2 = L_c - 1.5 \times D_c.$$

**Note:**

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

**Technical description**

|   |             |
|---|-------------|
| Nominal Ø D <sub>c</sub>                          | 11.5 mm     |
| Flute length L <sub>c</sub>                       | 250 mm      |
| Feed f in steel < 750 N/mm <sup>2</sup>           | 0.1 mm/rev. |
| Number of cutting edges Z                         | 2           |
| Tolerance nominal Ø                               | h8          |
| Overall length L                                  | 375 mm      |
| Morse taper MT size                               | 1           |
| Standard  | DIN 1870 R2 |
| recommended maximum drilling depth L <sub>2</sub> | 232.8 mm    |

|                 |               |
|-----------------|---------------|
| Point angle     | 118 degrees   |
| Shank           | Morse taper   |
| Coating         | uncoated      |
| Tool material   | HSS           |
| Type            | N             |
| Helix angle     | 16-30 degrees |
| Through-coolant | no            |
| Colour ring     | without       |
| Type of product | Jobber drill  |

### User data

|                               | Suitability | V <sub>c</sub> | ISO code |
|-------------------------------|-------------|----------------|----------|
| Steel < 500 N/mm <sup>2</sup> | suitable    | 40 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable    | 30 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup> | suitable    | 25 m/min       | P        |
| GG(G)                         | suitable    | 25 m/min       | K        |
| Oil                           | suitable    |                |          |
| wet maximum                   | suitable    |                |          |