

**Garant**
**Jobber drill extra long HSS N, uncoated, Ø DC h8: 22R1 mm**

**Order data**

Order number	116760 22R1
GTIN	4045197035530
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**.

Through-coolant: no

Standard: DIN 1870 R1

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 237 mm

Flute length  $L_c$ : 270 mm

Overall length L: 405 mm

Morse taper MT size: 2

Feed  $f$  in steel < 750 N/mm<sup>2</sup>: 0.2 mm/rev.

**Technical description**

Nominal Ø $D_c$	22 mm
Number of cutting edges Z	2

Flute length $L_c$	270 mm
Feed $f$ in steel $< 750 \text{ N/mm}^2$	0.2 mm/rev.
Tolerance nominal $\varnothing$	h8
Overall length $L$	405 mm
Morse taper MT size	2
Standard	DIN 1870 R1
recommended maximum drilling depth $L_2$	237 mm
Point angle	118 degrees
Coating	uncoated
Tool material	HSS
Type	N
Helix angle	16-30 degrees
Shank	Morse taper
Through-coolant	no
Colour ring	without
Type of product	Jobber drill