

**Garant**
**HSS jobber drill N, uncoated, Ø DC h8: 23 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 116340 23     |
| GTIN         | 4045197030580 |
| Item class   | 11C           |

**Description**
**Version:**

Special surface treatment, resulting in reduced tendency to edge build-up **and improved chip evacuation.**

**Top quality high performance twist drills.**

Cutting edge section ≤ 26.5 mm Ø ground from solid, > 26.5 mm Ø milled. This ensures high concentricity and pitch accuracy, and precision ground point up to 40 mm Ø.

With shape A point.

**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 345

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 120.5 mm

Flute length  $L_c$ : 155 mm

Overall length L: 253 mm

Morse taper MT size: 2

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

**Technical description**

|   |             |
|---|-------------|
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.2 mm/rev. |
| Flute length $L_c$                      | 155 mm      |

|  |               |
|--|---------------|
| Nominal $\varnothing D_c$                | 23 mm         |
| Number of cutting edges Z                | 2             |
| Tolerance nominal $\varnothing$          | h8            |
| Overall length L                         | 253 mm        |
| Morse taper MT size                      | 2             |
| Standard                                 | DIN 345       |
| recommended maximum drilling depth $L_2$ | 120.5 mm      |
| Point angle                              | 118 degrees   |
| Coating                                  | uncoated      |
| Tool material                            | HSS           |
| Type                                     | N             |
| Helix angle                              | 20-30 degrees |
| Shank                                    | Morse taper   |
| Through-coolant                          | no            |
| Colour ring                              | without       |
| Type of product                          | Jobber drill  |