

Garant**Jobber drill long HSS N, uncoated, Ø DC h8: 16mm****Order data**

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|--------------|---------------|
| Order number | 116700 16 |
| GTIN | 4045197034304 |
| Item class | 11C |

Description**Version:**

Compared to DIN 345 the flute length is longer by the drill bushing height. Thus the effective drilling depth is unaffected. Special surface treatment for improved chip evacuation.

With point geometry shape A.

Advantage:

For drilling through drill bushings in tool making, machine building and series production. Particularly important for drilling into uneven, inclined or arched surfaces.

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

| | |
|-----------------------------------------|--------------|
| Number of cutting edges Z | 2 |
| Nominal Ø D _C | 16 mm |
| Feed f in steel < 750 N/mm ² | 0.16 mm/rev. |
| Flute length L _C | 153 mm |
| Tolerance nominal Ø | h8 |
| Overall length L | 251 mm |
| Morse taper MT size | 2 |
| Standard | DIN 341 |

| | |
|------------------------------------------|---------------|
| recommended maximum drilling depth L_2 | 129 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_c | ISO code |
|-------------------------------|-------------|----------|----------|
| Steel < 500 N/mm ² | suitable | 40 m/min | P |
| Steel < 750 N/mm ² | suitable | 30 m/min | P |
| Steel < 900 N/mm ² | suitable | 25 m/min | P |
| GG(G) | suitable | 25 m/min | K |
| Oil | suitable | | |
| wet maximum | suitable | | |