

Garant
HSS jobber drill N, uncoated, Ø DC h8: 48 mm

Order data

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|--------------|---------------|
| Order number | 116340 48 |
| GTIN | 4045197031075 |
| 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 : 148 mm

Flute length L_c : 220 mm

Overall length L: 369 mm

Morse taper MT size: 4

Feed f in steel < 750 N/mm²: 0.32 mm/rev.

Technical description

| | |
|---|--------------|
| Feed f in steel < 750 N/mm ² | 0.32 mm/rev. |
| Nominal Ø D_c | 48 mm |

| | |
|--|---------------|
| Flute length L_c | 220 mm |
| Number of cutting edges Z | 2 |
| Tolerance nominal \varnothing | h8 |
| Overall length L | 369 mm |
| Morse taper MT size | 4 |
| Standard | DIN 345 |
| recommended maximum drilling depth L_2 | 148 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 |