

Garant
Jobber drill HSS-E FS, uncoated, Ø DC h8: 3,1 mm

Order data

| | |
|--------------|---------------|
| Order number | 114450 3,1 |
| GTIN | 4045197018502 |
| Item class | 11B |

Description
Version:

Profile ground: this ensures high concentricity and pitch accuracy. Precision ground point. Drill for production use.

Strengthened core.

Bright finish **parabolic flutes**, from 3 mm nitrided lands.

With point geometry shape C up to size 3.9 mm

With point geometry shape S from size 4 mm

Recommendation:
Maximum drilling depth:

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

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 31.4 mm

Flute length L_c : 36 mm

Overall length L: 65 mm

Shank Ø D_s : 3.1 mm

Feed f in steel < 750 N/mm²: 0.03 mm/rev.

Technical description

| | |
|---|--------------|
| Flute length L_c | 36 mm |
| Number of cutting edges Z | 2 |
| Feed f in steel < 750 N/mm ² | 0.03 mm/rev. |

| | |
|--|--------------|
| Nominal $\varnothing D_c$ | 3.1 mm |
| Tolerance nominal \varnothing | h8 |
| Shank $\varnothing D_s$ | 3.1 mm |
| Overall length L | 65 mm |
| Standard | DIN 338 |
| recommended maximum drilling depth L_2 | 31.4 mm |
| Point angle | 130 degrees |
| Coating | uncoated |
| Tool material | HSS E |
| Type | FS |
| Shank | Plain shank |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |