

Garant
Stub drill HSS-E FS, uncoated, Ø DC h8: 3,5 mm

Order data

| | |
|--------------|---------------|
| Order number | 113020 3,5 |
| GTIN | 4045197002112 |
| Item class | 11B |

Description
Version:

Particularly **robust and strong** due to **strengthened core**.

Ground flutes, with high concentricity.

Bright finish flutes, nitrided lands.

With point geometry shape C up to 3.9 mm; shape S (special) from 4 mm.

Advantage:

Ideal for drilling shallow holes (approx. 2 - 4×D) on NC machines and automatic machines.

Recommendation:
Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L₂: 14.8 mm

Flute length L_c: 20 mm

Overall length L: 52 mm

Shank Ø D_s: 3.5 mm

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

Technical description

| | |
|-----------------------------|--------|
| Flute length L _c | 20 mm |
| Nominal Ø D _c | 3.5 mm |
| Number of cutting edges Z | 2 |

| | |
|---|--------------|
| Feed f in steel < 750 N/mm ² | 0.03 mm/rev. |
| Tolerance nominal Ø | h8 |
| Shank Ø D _s | 3.5 mm |
| Overall length L | 52 mm |
| Standard | DIN 1897 |
| recommended maximum drilling depth L ₂ | 14.8 mm |
| Point angle | 135 degrees |
| Coating | uncoated |
| Tool material | HSS E |
| Type | FS |
| Helix angle | 38 degrees |
| Shank | Plain shank |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |

Accessories

Stub drill set HSS-E No. 113020, type FS with case Type 1-10

113520 1-10