

Garant
Stub drill HSS-E FS, uncoated, Ø DC h8: 14,8mm


Order data

| | |
|--------------|---------------|
| Order number | 113020 14,8 |
| GTIN | 4045197003003 |
| 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:

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

Technical description

| | |
|---|--------------|
| Number of cutting edges Z | 2 |
| Nominal Ø D _c | 14.8 mm |
| Flute length L _c | 56 mm |
| Feed f in steel < 750 N/mm ² | 0.16 mm/rev. |
| Tolerance nominal Ø | h8 |
| Shank Ø D _s | 14.8 mm |
| Overall length L | 111 mm |
| Standard | DIN 1897 |
| recommended maximum drilling depth L ₂ | 33.8 mm |
| Point angle | 135 degrees |

| | |
|-----------------|--------------|
| Shank | Plain shank |
| Coating | uncoated |
| Tool material | HSS E |
| Type | FS |
| Helix angle | 38 degrees |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|-------------|----------------|----------|
| Alu plastics | suitable | 70 m/min | N |
| Aluminium (short chipping) | suitable | 45 m/min | N |
| Steel < 500 N/mm ² | suitable | 40 m/min | P |
| Steel < 750 N/mm ² | suitable | 30 m/min | P |
| GG(G) | suitable | 25 m/min | K |
| Oil | suitable | | |
| wet maximum | suitable | | |