

Garant

Stub drill HSS-E N, uncoated, Ø DC h8: 19 mm



Order data

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|--------------|---------------|
| Order number | 113150 19 |
| GTIN | 4045197586476 |
| Item class | 11B |

Description

Version:

Particularly robust and strong due to strengthened core.

Ground flutes, with high concentricity.

Bright finish.

Advantage:

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

Recommendation:

Maximum drilling depth:

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

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 35.5 mm

Flute length L_c : 64 mm

Overall length L: 127 mm

Shank Ø D_s : 19 mm

Feed f in steel < 900 N/mm²: 0.2 mm/rev.

Technical description

| | |
|-----------------------------------------|-------------|
| Nominal Ø D_c | 19 mm |
| Feed f in steel < 900 N/mm ² | 0.2 mm/rev. |
| Flute length L_c | 64 mm |
| Number of cutting edges Z | 2 |

| | |
|------------------------------------------|--------------|
| Tolerance nominal \varnothing | h8 |
| Shank $\varnothing D_s$ | 19 mm |
| Overall length L | 127 mm |
| Standard | DIN 1897 |
| recommended maximum drilling depth L_2 | 35.5 mm |
| Point angle | 130 degrees |
| Coating | uncoated |
| Tool material | HSS E |
| Type | N |
| Shank | Plain shank |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |