

Garant
Jobber drill extra long HSS FS, uncoated, Ø DC h8: 13R2mm

Order data

| | |
|--------------|---------------|
| Order number | 116720 13R2 |
| GTIN | 4045197034809 |
| Item class | 11C |

Description
Version:

High concentricity.

Large section parabolic flutes; strong due to strengthened core thickness (without core taper).

≤ 16 mm Ø: Bright finish flutes, nitrided lands; > 16 mm Ø: Specially treated surface.

Special sturdy drills **for extremely deep holes.** Up to approx. 15×Ø without drill withdrawal.

With point geometry shape A.

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.**

Technical description

| | |
|---|--------------|
| Nominal Ø D _c | 13 mm |
| Number of cutting edges Z | 2 |
| Feed f in steel < 750 N/mm ² | 0.16 mm/rev. |
| Flute length L _c | 260 mm |
| Tolerance nominal Ø | h8 |
| Overall length L | 395 mm |
| Morse taper MT size | 1 |
| Standard | DIN 1870 R2 |
| recommended maximum drilling depth L ₂ | 240.5 mm |

| | |
|-----------------|--------------|
| Point angle | 130 degrees |
| Shank | Morse taper |
| Coating | uncoated |
| Tool material | HSS |
| Type | FS |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|-------------|----------------|----------|
| Steel < 500 N/mm ² | suitable | 40 m/min | P |
| Steel < 750 N/mm ² | suitable | 30 m/min | P |
| Steel < 900 N/mm ² | suitable | 25 m/min | P |
| Oil | suitable | | |
| wet maximum | suitable | | |