

Garant
Deep hole drill HSS-E, uncoated, Ø DC h8: 2,2mm

Order data

| | |
|--------------|---------------|
| Order number | 116061 2,2 |
| GTIN | 4045197026606 |
| Item class | 11B |

Description
Version:

Significantly **strengthened core** without taper.

Precision ground point.

With **specially shaped slots**. Designed for deep holes up to 10×D and materials with critical chip formation characteristics.

Recommendation:
Maximum drilling depth:

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

Note:

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability.

Technical description

| | |
|---|--------------|
| Number of cutting edges Z | 2 |
| Nominal Ø D _c | 2.2 mm |
| Flute length L _c | 59 mm |
| Feed f in steel < 500 N/mm ² | 0.05 mm/rev. |
| Tolerance nominal Ø | h8 |
| Shank Ø D _s | 2.2 mm |
| Overall length L | 90 mm |
| Standard | DIN 340 |
| recommended maximum drilling depth L ₂ | 55.7 mm |

| | |
|-----------------|--------------|
| Point angle | 130 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 | 28 m/min | P |
| Steel < 750 N/mm ² | suitable | 21 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 18 m/min | P |
| GG(G) | suitable | 25 m/min | K |
| Oil | suitable | | |
| wet maximum | suitable | | |