

Garant
Stub stepped drill HSS 90°, vaporised, for threads: M3

Order data

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|--------------|---------------|
| Order number | 117020 M3 |
| GTIN | 4045197035639 |
| Item class | 11C |

Description
Version:

Very sturdy. Tight concentricity tolerances between drill \varnothing and counterbore \varnothing guarantee exact alignment.

Special surface treatment, resulting in reduced tendency to edge build-up and improved chip evacuation.

Advantage:

Hole and countersink are produced in one operation and precisely aligned.

Application:

Particularly suitable for NC machines due to high positional accuracy, excellent centring properties and great sturdiness. The preceding centring operation can thus often be omitted. For thread tapping drill holes to DIN 336 sheet 1 with 90° countersink. In the following operation, the tap therefore does not have to cut into the sharp edge of the hole.

Countersink angle: 90 degrees

No. of teeth Z: 2

Through-coolant: no

$\varnothing D_1$ 1st step with chamfer h8: 2.5 mm

$\varnothing D_2$ 2nd step with chamfer h8: 3.4 mm

Step height L_1 1st step: 8.8 mm

Flute length L_c : 20 mm

Overall length L: 52 mm

Shank $\varnothing D_s$: 3.4 mm

Technical description

| | |
|--|--------------|
| Feed f in steel < 750 N/mm ² | 0.03 mm/rev. |
| $\varnothing D_2$ 2nd step with chamfer h8 | 3.4 mm |

| | |
|---|----------------------|
| Ø D ₁ 1st step with chamfer h8 | 2.5 mm |
| for threads | M3 |
| Flute length L _c | 20 mm |
| Shank Ø D _s | 3.4 mm |
| Overall length L | 52 mm |
| No. of teeth Z | 2 |
| Through-coolant | no |
| Step height L ₁ 1st step | 8.8 mm |
| Coating | vaporised |
| Tool material | HSS |
| Standard | DIN 1897 |
| Tolerance nominal Ø | h8 |
| Point angle | 118 degrees |
| Shank | Parallel shank to h8 |
| Countersink angle | 90 degrees |
| Shank tolerance | h8 |
| Colour ring | without |
| Type of product | Stepped drill |