

**Garant**
**Stub stepped drill HSS 90°, TiAlN, for threads: M4**

**Order data**

Order number	117040 M4
GTIN	4045197035714
Item class	11C

**Description**
**Version:**

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

**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: 3.3 mm

$\varnothing D_2$  2nd step with chamfer h8: 4.5 mm

Step height  $L_1$  1st step: 11.4 mm

Flute length  $L_c$ : 24 mm

Overall length L: 58 mm

Shank  $\varnothing D_s$ : 4.5 mm

**Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.03 mm/rev.
for threads	M4
$\varnothing D_2$ 2nd step with chamfer h8	4.5 mm
$\varnothing D_1$ 1st step with chamfer h8	3.3 mm

Flute length $L_c$	24 mm
Shank $\varnothing D_s$	4.5 mm
Overall length L	58 mm
Through-coolant	no
No. of teeth Z	2
Step height $L_1$ 1st step	11.4 mm
Coating	TiAlN
Tool material	HSS
Standard	DIN 1897
Tolerance nominal $\varnothing$	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