

**Garant**
**Solid carbide stub stepped drill 90°, TiAlN, for threads: M12**

**Order data**

Order number	125050 M12
GTIN	4045197064936
Item class	11E

**Description**
**Version:**

**Very sturdy – step length to DIN 8378. Tight concentricity tolerances** between drill and counterbore  $\varnothing$  guarantee exact alignment.

**Application:**

**Particularly suitable for NC machines and automatic machines.** For drilling tapping holes to DIN 336 sheet 1 with 90° countersinking. In the following operation, the tap therefore does not have to cut into the sharp edge of the hole.

Sizes **F: Tapping holes** for the following **fluteless taps**.

No. of teeth Z: 2

Through-coolant: no

$\varnothing D_1$  1st step with chamfer h8: 10.2 mm

$\varnothing D_2$  2nd step with chamfer h8: 13.5 mm

Step height  $L_1$  1st step: 30 mm

Flute length  $L_c$ : 60 mm

Overall length L: 107 mm

Shank  $\varnothing D_s$ : 14 mm

**Technical description**

for threads	M12
$\varnothing D_2$ 2nd step with chamfer h8	13.5 mm
Flute length $L_c$	60 mm
$\varnothing D_1$ 1st step with chamfer h8	10.2 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.18 mm/rev.
Shank $\varnothing D_s$	14 mm

Overall length L	107 mm
Through-coolant	no
No. of teeth Z	2
Step height L <sub>1</sub> 1st step	30 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 8378
Type	N
Tolerance nominal Ø	h8
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Countersink angle	90 degrees
Shank tolerance	h6
Colour ring	without
Type of product	Stepped drill