

Stub stepped drill HSS 90°, TiAIN, 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°

No. of teeth Z: 2 Through-coolant: no

 \emptyset D₁ 1st step with chamfer h8: 3.3 mm \emptyset D₂ 2nd step with chamfer h8: 4.5 mm

Step height L₁ 1st step: 11.4 mm

Flute length L: 24 mm Overall length L: 58 mm Shank Ø D: 4.5 mm

Technical description

Feed f in steel < 750 N/mm ²	0.03 mm/rev.	
for threads	M4	
Ø D ₂ 2nd step with chamfer h8	4.5 mm	
\emptyset D ₁ 1st step with chamfer h8	3.3 mm	

Flute length L _c	24 mm		
Shank Ø 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	TiAIN		
Tool material	HSS		
Standard	DIN 1897		
Tolerance nominal Ø	h8		
Point angle	118°		
Shank	Parallel shank to h8		
Countersink angle	90 °		
Shank tolerance	h8		
Colour ring	without		
Application for type of drilling	for blind hole and through hole		
Type of product	Stepped drill		

User data

	Suitability	\mathbf{V}_{c}	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	56 m/min	N
Alu > 10% Si	suitable only under restricted conditions	50 m/min	N
Steel < 500 N/mm ²	suitable	50 m/min	Р
Steel < 750 N/mm ²	suitable	37 m/min	Р
Steel < 900 N/mm ²	suitable	31 m/min	Р
Steel < 1100 N/mm ²	suitable only under restricted conditions	12 m/min	Р

Steel < 1400 N/mm ²	suitable only under restricted conditions	10 m/min	Р
GG(G)	suitable	31 m/min	K
CuZn	suitable only under restricted conditions	80 m/min	N
Oil	suitable		
wet maximum	suitable		