HELICOIL[®] manual taps

Type 0140.0 | BSW

Short machine tap to create a holding thread (acc. to NASM33537) for ${\sf HELICOIL}^{\circledast}$ coil thread inserts.

Properties:

- For through holes
- For blind holes (only if sufficient chip space is provided)
- Machining of materials with 700 N/mm² strength max.
- Tolerance class 6H mod. corresponds with 5H

Note:

Only suited for blind holes if sufficient chip space is provided. Minimum requirement: 1 d deeper than the full thread length.

The short machine tap can also be used as a machine tap.

Technical information can be found on the last page.

Diameter	Article number	Pitch
(d)		(P)
BSW 1/8"-40	01400713104	0.64
BSW 3/16"-24	01400723104	1.06
BSW 1/4"-20	01400743104	1.27
BSW 5/16"-18	01400763104	1.41
BSW 3/8"-16	01400773104	1.59
BSW 7/16"-14	01400783104	1.81
BSW 1/2"-12	01400793104	2.12
BSW 9/16"-12	01400803104	2.12
BSW 5/8"-11	01400813104	2.31
BSW 3/4"-10	01400833104	2.54
BSW 7/8"-9	01400853104	2.82
BSW 1"-8	01400863104	3.18

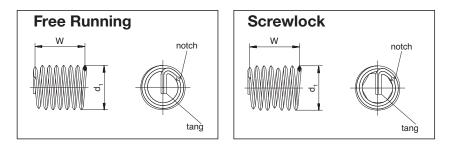




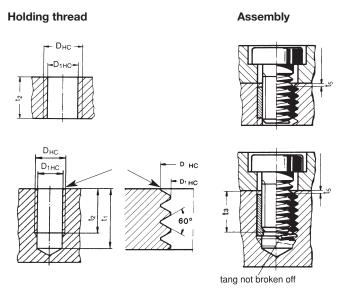
Böllhoff Group · Archimedesstr. 1-4 · 33649 Bielefeld · Phone: +49 521 4482-1387 · fat@boellhoff.com · eshop.boellhoff.de/en/home

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HELICOIL® Plus thread inserts



W and d_1 are the control values for thread inserts (Free Running and Screwlock) before they have been installed. The length can only be measured for installed thread inserts.



Prior to tapping, counter-bore 90° and deburr. Outside diameter of **countersink** = D_{HC} + 0.1 mm.

- d = Nominal thread diameter
- P = Thread pitch
- $d_1 \quad = \mbox{ Outside diameter of thread insert prior to installation} \\$
- W = Number of threads prior to installation
- D_{HC} = Outside diameter of the parent thread
- D_{1HC} = Crest diameter
 - = Suitable twist drill diameter. Please note: D_{1HC} is critical for selecting the correct twist drill diameter.
- t_1 = Minimum depth of tapped hole according to DIN 76 Part 1 (guide value)
 - = The nominal length of the thread insert corresponds to the minimum length of the full parent thread for blind holes or the minimum plate thickness for a through hole.
 - = Maximum screw-in depth when the tang is not removed
 - Distance of the thread insert from the joint face = 0.25 to 0.5 P, if t₂ corresponds to the abovementioned minimum value

When you use HELICOIL® Plus thread inserts for volume production, we recommend to add at least 1 x P to values t_1 and $t_2.$

t₂

t3

 t_5



В

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