

THREADED INSERTS, BLIND SELF-TAPPING (STB)



A self-tapping insert for use where fluid ingress could be an issue

Blind Self Tapping Inserts—STB

These inserts offer standard metric internal threads with a 30° inclusive form, coarse pitch, self-tapping external thread. We would recommend blind self-tapping inserts for use in applications where fluid ingress along the internal thread could be an issue.

The coarse thread of this type of insert is designed to give more strength, particularly when used on composite materials or softer materials, such as wood, fiberglass or plastics. The insert has a 45° shoulder with an undercut to seat it when fully inserted. This provides an area where a sealant or bonding agent can be applied to prevent any fluids passing along the external surface of the insert into the host material or the area behind the insert.

The lead-in is chamfered at 10°, with three notches milled into to, to help remove any host material, provide a sharp cutting edge and assist in keeping the insert parallel on insertion.



Materials available, to order

- ◆ Stainless Steel 303
- ◆ Stainless Steel 316
- ◆ Mild Steel
- ◆ Brass

Nominal Size	M2	M3	M4	M5	M6	M8	M10	M12	M16	M20
Length (mm)	7	8	9	10	12	15	20	25	35	40
Internal Thread	M2 x 0.4mm	M3 x 0.5MM	M4 x 0.7MM	M5 x 0.8mm	M6 x 1.0mm	M8 x 1.25mm	M10 x 1.5mm	M12 x 1.75mm	M16 x 2.0mm	M20 x 2.5mm
Outside Thread, 30° flank, self-tapping	M4 x 1.0mm	M5 x 1.0mm	M6 x 1.25mm	M8 x 1.5mm	M9 x 1.75mm	M12 x 2.0mm	M14 x 2.5mm	M16 x 2.75mm	M25 x 3.5mm	M30 x 3.5mm
Recommended Hole Size (mm)*	3.2 3.7	3.9 4.7	4.9 5.6	6.6 7.6	7.4 8.6	9.7 10.6	11.5 13.6	13.6 15.5	22.0 24.0	27.0 29.0
Cutting Relief	3 x Milled Notch									

* Recommended Hole Sizes are advisory and should be treated as such. This advise is intended as a guide as all applications are different, depending on the host material and application. Technifast are not responsible for any damage caused when using our inserts.

Alternative sizes can be quoted to customer specification. E-Mail sales@technifast.co.uk with your requirements

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