



Thermoset Insert

Properties

- Suitable for thermoset plastics.
- Knurled brass body internally threaded.
- Integral spreader plate for positive fixing.
- High strength re-usable thread.
- Fast economical assembly.
- For use in blind holes.

Product Data

METRIC

THREAD SIZE	INSERT LENGTH (MM)	THREAD LENGTH (MM)	PRODUCT CODE	BODY DIAMETER (MM)	MANUAL TOOL	SEMI-AUTO TOOL
M3X0.5	6.35	4.78	741154215	3.96	748100062	748300134
M3.5X0.6	7.95	6.38	741157218	4.78	748100252	748300035
M4X0.7	7.95	6.38	741160212	5.56	748100310	748300068
M4X0.7	9.50	7.95	741160618	5.56	748100336	748300068
M5X0.8	9.50	7.95	741164610	6.35	748100443	748300076
M6X1.0	12.70	11.13	741168215	7.95	748100500	748300100

UNC

THREAD SIZE	INSERT LENGTH (INCH)	THREAD LENGTH (INCH)	PRODUCT CODE	BODY DIAMETER (INCH)	MANUAL TOOL	SEMI-AUTO TOOL
4-40	0.250	0.188	741110217	0.156	748100039	748300019
5-40	0.313	0.250	741111512	0.188	748100104	748300027
6-32	0.313	0.250	741112510	0.188	748100161	748300043
6-32	0.375	0.313	741112718	0.188	748100187	748300043
8-32	0.313	0.250	741113518	0.219	748100310	748300068
8-32	0.375	0.313	741113716	0.219	748100336	748300068
10-24	0.375	0.313	741114714	0.250	748100419	748300076
10-24	0.438	0.375	741114813	0.250	748100427	748300076
¼-20	0.500	0.438	741115919	0.313	748100500	748300100

UNF

THREAD SIZE	INSERT LENGTH (INCH)	THREAD LENGTH (INCH)	PRODUCT CODE	BODY DIAMETER (INCH)	MANUAL TOOL	SEMI-AUTO TOOL
10-32	0.313	0.250	741120513	0.250	748100435	748300076
10-32	0.375	0.313	741120711	0.250	748100443	748300076
10-32	0.438	0.375	741120810	0.250	748100468	748300076

HOLE SIZE

Hole preparation can be drilled or moulded. The diameter should not exceed 0.05mm (0.002") above the body diameter of the insert. Any moulding taper should also be within these limits. The base of the hole should be flat bottomed with at least ½ the insert diameter of material below. Hole depth should equal the length of insert. A minimum wall thickness of 2/3 body diameter is recommended. Certain applications may tolerate thinner wall sections.

SEATING PRINCIPLE

- Place the insert into the hole and ensure it is pushed down to depth.
- Depress the spreader plate using the correct tool until the spreader is fully seated.
- The knurled portion of the body is forced outwards creating high frictional retention.

