

Tail Long Thread 120°

Designed and made in New Zealand, **TRUDESIGN**® Tail Long Thread 120° fittings are the superior composite connection for fitting hose to threaded fittings.

Available in five sizes;



TRUDESIGN® Tail Long Thread 120°s are moulded from a glass-reinforced nylon composite. High strength, high-modulus glass fibres within the material provide dramatic strength, stiffness, toughness, and dimensional stability.

TRUDESIGN® fittings eliminate the corrosion and electrical bonding problems associated with metallic fittings. Tail fittings are designed for twin hose clamps, and to never crush.

Key Features:

Feature:	
Manufactured from a glass-reinforced nylon composite	High strength and light weight
Immune to corrosion and electrolysis	Long life with no concerns over decreased performance due to corrosion. No bonding required
Chemical resistant	Impervious to diesel, petrol and antifouling paints
UV resistant	Will not degrade or discolour with ultraviolet light from the sun
High quality surface finish	Will not discolour with green film as similar bronze fittings do
BSPP (Parallel) threads	Universal compatibility to TRUDESIGN ® Ball Valves, threaded fittings, and other marine components
Large operating temperature range	Suitable for all marine environments, from -20°C to +100°C

Specifications:

Threads on the Tail Long Thread 120°s are BSPP (British Standard Pipe Parallel). **TRUDESIGN**® parallel threads are designed so that sealant or PTFE thread tape is applied, and then the fitting screwed into place.

A main advantage of parallel threads versus tapered threads is that there is far greater engagement between two mating parallel threads which in turn provides maximum strength and watertight sealing ability. Since sealing is achieved through use of a sealant or thread tape, fittings can be positioned anywhere around 360°, unlike tapered fittings that need to be fully tightened in order to seal.

Do not use with tapered thread valves or fittings – Mixing parallel and tapered threads can cause strength and sealing problems as the thread engagement is often only a few turns. Tapered threads should **never** be used in marine applications.

Technical Information:

Tail Size	Thread Size	Minimum I.D	Thread Length
25 mm	1"	Ø 19 mm	30 mm
32 mm	1¼"	Ø 24 mm	30 mm
38 mm	1¼"	Ø 30 mm	30 mm
38 mm	1½"	Ø 30 mm	30 mm
50 mm	2"	Ø 42 mm	30 mm

Installation:

- 1.) Ensure the fitting that the Tail Long Thread 120° is attaching into has a clean and undamaged thread.
- 2.) Apply a small amount of a suitable marine grade thread sealant such as SIKAFLEX® 291i or 3M™ Fast Cure 5200 to the thread (see manufacturer's notes), or, wind several turns of PTFE thread sealing tape onto the thread (clockwise when viewed from the bottom of the thread).
- 3.) Wind the Tail Long Thread 120° into the other fitting being mindful not to cross-thread the two. Tighten the Tail Long Thread 120° fully home by hand or using a large crescent or open ended spanner. Tighten to a maximum of 16 Nm (12 ft/lb). **Note: When a liquid type thread sealant is used, fittings do not need to be fully tightened as the sealant will provide full waterproofness once cured. This allows orientation of the Tail section anywhere across a full 360° - which can help to obtain tidy routing and positioning of hoses.**
- 4.) Fit the hose after using hot water to soften.
- 5.) Apply twin hose clamps for a secure connection.

Note: There is no need to bond **TRUDESIGN**® fittings electrically together as there is no corrosion or electrolysis problems that are often experienced with bronze, stainless steel, and other metallic fittings.

Servicing:

As composite **TRUDESIGN**® fittings are immune to corrosion, minimal servicing is required.

Fittings should be checked for secure attachment into other parts at regular intervals. Hose clamps should also be checked regularly.

If fittings are removed, new sealant should be applied or the old thread sealing tape should be removed and replaced.

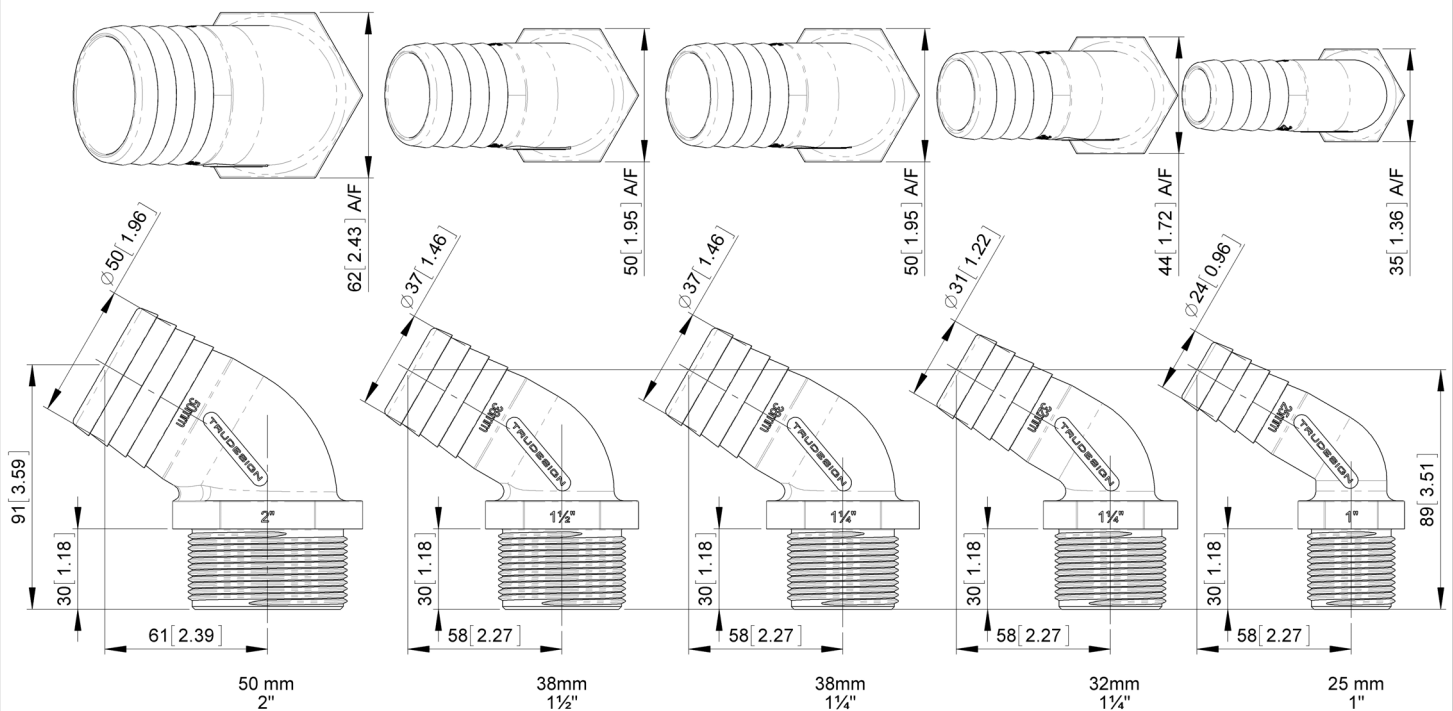


Part Numbers & Weights:

Model / Size	Weight	Part Number	Part Number PKG
Tail 25mm 1" BSP Long Thread 120°	45 grams / 1.59 oz	90531	90572
Tail 32mm 1¼" BSP Long Thread 120°	65 grams / 2.29 oz	90922	90923
Tail 38mm 1¼" BSP Long Thread 120°	75 grams / 2.65 oz	90938	90939
Tail 38mm 1½" BSP Long Thread 120°	80 grams / 2.82 oz	90532	90573
Tail 50mm 2" BSP Long Thread 120°	130 grams / 4.59 oz	90533	90574

Dimensions:

Dimensions are in millimetres & [inches]
All dimensions nominal



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