

## FEMALE THREAD TAIL - 90°

Designed and made in New Zealand, Tru-Design Female Thread Tails are the superior composite connection for fitting hose to male threaded fittings.



Tru-Design Tails are moulded from a glass reinforced nylon composite. High strength, high-modulus, glass reinforced nylon provides dramatic strength, stiffness, toughness, and dimensional stability.

Tru-Design Tails eliminate the corrosion and electrical bonding problems associated with metallic fittings. The Tails are designed for twin hose clamps, and to not crush under high load conditions.

## MODELS

Part #	Description
90773	Tail 19mm 3/4" BSP Female 90° Bend
90774	Tail 19mm 3/4" BSP Female 90° Bend PKG
90775	Tail 25mm 1" BSP Female 90° Bend
90776	Tail 25mm 1" BSP Female 90° Bend PKG
90631	Tail 32mm 1 1/4" BSP Female 90° Bend
90637	Tail 32mm 1 1/4" BSP Female 90° Bend PKG
90629	Tail 38mm 1 1/2" BSP Female 90° Bend
90635	Tail 38mm 1 1/2" BSP Female 90° Bend PKG
90627	Tail 50mm 2" BSP Female 90° Bend
90633	Tail 50mm 2" BSP Female 90° Bend PKG

*PKG product is supplied in bags with header cards*



## KEY FEATURES

Feature :	
Manufactured from a glass reinforced nylon composite	High strength and light weight.
Compatible with all hull types	Can be used on aluminum, steel, wood or FRP hulls.
Immune to corrosion and electrolysis	Long life with no concerns over decreased performance due to corrosion.
Chemical resistant	Impervious to diesel, petrol and antifouling paints.
UV resistant	These fittings will not break down with ultraviolet light or discolour from the sun.
High quality surface finish	Will not discolour with green film as similar bronze fittings do.
Fits Tru-Design Skin Fittings & BSPP threads	Universal compatibility to other Tru-Design fittings, and other marine components.
Large operating temperature range	Suitable for all marine environments, from -40°C to +110°C.

## SPECIFICATIONS

The connecting threads on the Tails are BSP (British Standard Pipe) and are parallel. These parallel threads are designed so that thread tape is wound onto the connecting thread and the fitting screwed into place. The advantage of parallel threads rather than tapered is that there is maximum engagement between the mating threads providing a strong and watertight seal.

Mixing parallel and tapered threads can cause strength and sealing problems as the engagement can frequently be only a few turns.

### FLOW DIAMETER & THREAD LENGTH

Tail Size	Thread Size	Minimum I.D.	Thread Length
19mm	¾"	12mm	30mm
25mm	1"	18mm	30mm
32mm	1¼"	24mm	30mm
38mm	1½"	30mm	30mm
50mm	2"	42mm	30mm

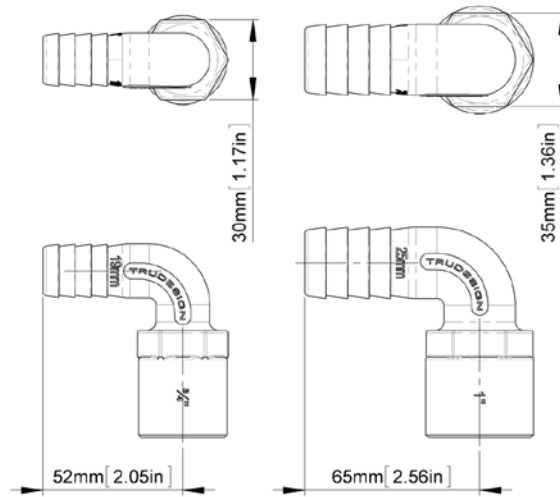
## WEIGHT

Tail Size	Weight (g)	Weight (oz)
19mm	36	1.3
25mm	53	1.9
32mm	81	2.9
38mm	100	3.5
50mm	145	5.1



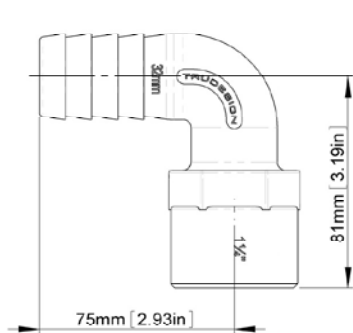
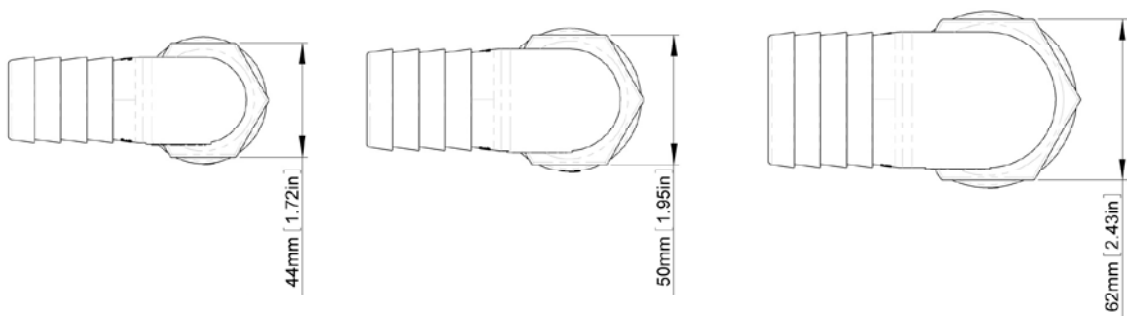
## DIMENSIONS

All dimensions nominal.

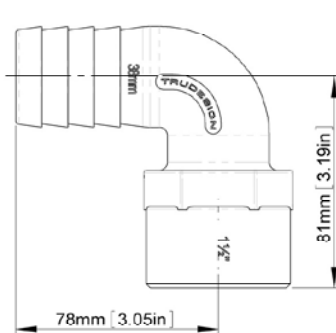


19mm  
3/4"

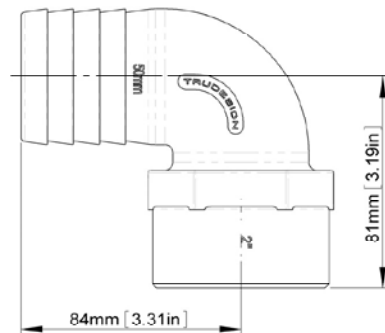
25mm  
1"



32mm  
1 1/4"



38mm  
1 1/2"



50mm  
2"





## INSTALLATION

Ensure the thread that the Tail is to fit onto has clean and undamaged threads.

Wind 8-12 turns of thread tape onto the thread (clockwise when looking at bottom of thread).

Wind Tail into the fitting taking care not to cross thread. Wind the thread fully home using a large crescent or open ended spanner. Tighten to a maximum of 16Nm (12ft/lbs).

Fit the hose using hot water to soften.

Apply twin hose clamps for a secure connection.

**Note:** Do not use with tapered thread valves or fittings.

The thread type on all Tru-Design Tails is a British Standard Pipe Parallel thread (BSPP). The thread is a mechanical fastening with sealing provided by thread tape. This method gives a secure mechanical joint between Tail and connected components. A tapered thread cannot provide this strong connection. Mixing tapered and parallel threads can result in damage to either of the components.

**Note:** There is no need to tie Tru-Design Tails electrically together as there are no corrosion or electrolysis problems as can be experienced when using bronze fittings.

## SERVICING

As composite Tails are immune to corrosion, minimal servicing is required.

Tails should be checked for secure fitting into other fittings at regular intervals. Hose clamps should be checked regularly.

If fittings are removed, the old thread tape should be removed and replaced.

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Page 4 of 4

LEADERS IN MARINE COMPOSITE FITTINGS

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