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**SPECS &  
INFORMATION**

## Tail – Female Thread 90°

TruDesign Female Thread Tails / Hose barb composite fittings are designed for connecting hoses to male threaded fittings.



TruDesign Tails / Hose Barbs are moulded from a glass reinforced nylon composite. High strength, high-modulus, glass reinforced nylon provides dramatic strength, stiffness, toughness, and dimensional stability.

TruDesign Tails / Hose Barbs 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.

### Key Features:

- Manufactured from glass reinforced nylon composite for high strength and light weight.
- Can be used on all hull types - aluminium, steel, wood or FRP hulls
- Immune to corrosion and electrolysis – No corrosion or breakages, increased safety.
- Chemically resistant – Impervious to diesel, petrol and anti-fouling paints.
- U.V resistant – No degradation from the sun's ultraviolet rays.
- High quality surface finish – will not discolour with green film as similar bronze fittings do.
- Universally compatible to other TruDesign fittings, and other marine components.
- Large operating temperature range – Suitable for all marine environments, from -40°C to +110°C.

## Part Numbers (BSP):

Description	NON PKG	PKG
Tail 19mm ¾" BSP Female 90° Bend	90773	90774
Tail 25mm 1" BSP Female 90° Bend	90775	90776
Tail 32mm 1¼" BSP Female 90° Bend	90631	90637
Tail 38mm 1½" BSP Female 90° Bend	90629	90635
Tail 50mm 2" BSP Female 90° Bend	90627	90633
Tail 75mm 3" BSP Female 90° Bend	91361	
Tail Unequal 16mm ½" BSP Female 90° Bend	90858	90859
Tail Unequal 28mm 1" BSP Female 90° Bend	91257	91258
Tail Unequal 28mm 1 ½" BSP Female 90° Bend	91316	91317

## Part Numbers (NPS):

Description	NON PKG	PKG
Hose Barb 90° ¾" x ¾" NPS Female	90835	90836
Hose Barb 90° 1" x 1" NPS Female	90837	90838
Hose Barb 90° 1¼" x 1¼" NPS Female	90839	90840
Hose Barb 90° 1½" x 1½" NPS Female	90841	90842
Hose Barb 90° 2" x 2" NPS Female	90843	90844
Hose Barb Unequal 1 ⅛" x 1" NPS Female 90° Bend	91182	91183
Hose Barb Unequal 1 ⅛" x 1 ½" NPS Female 90° Bend	91318	91319



## Installation:

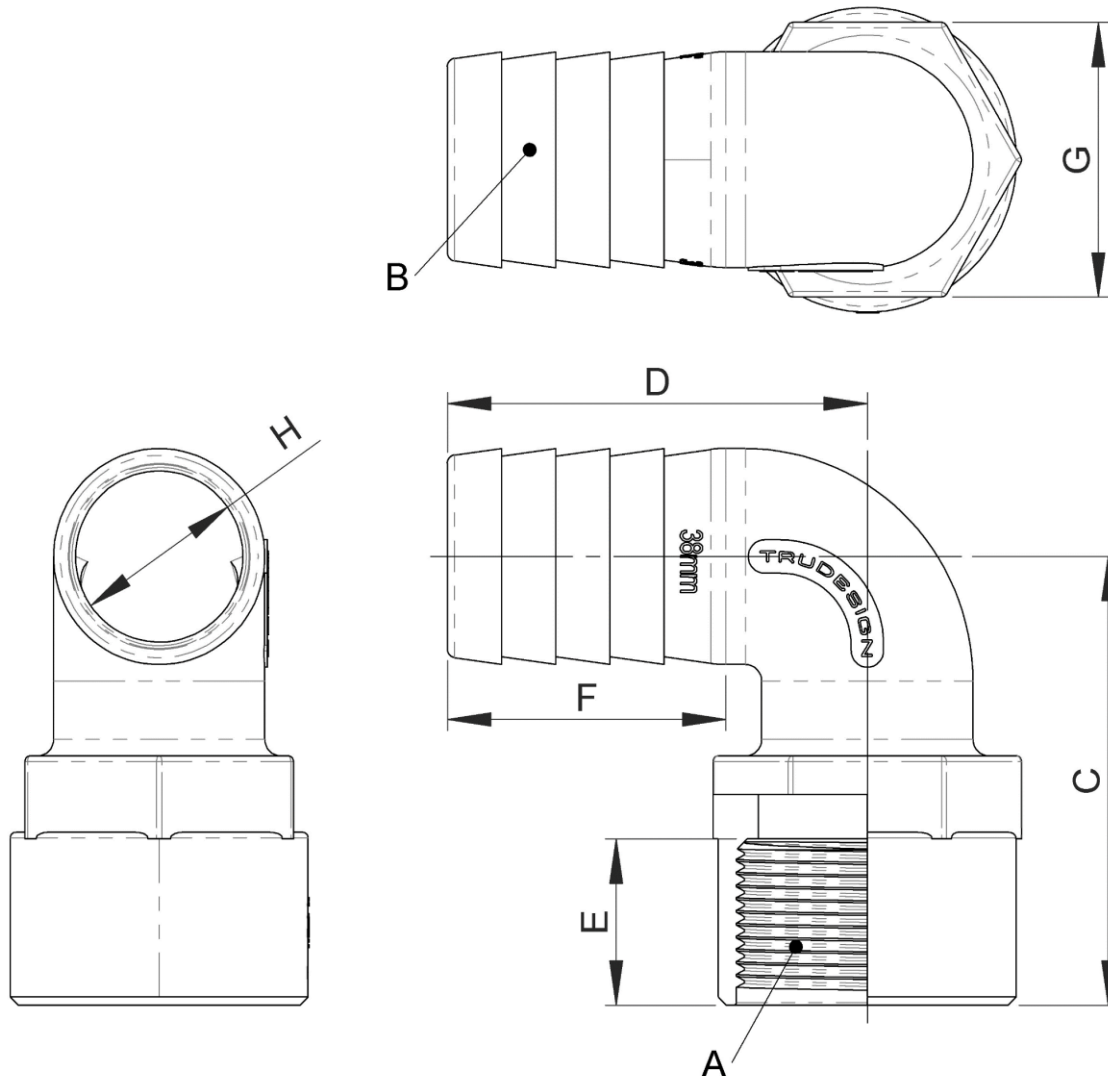
For thread sealing see TruDesign Technical information sheet on our web site [www.trudesign.nz](http://www.trudesign.nz) or scan the QR Code below - for suitable adhesive sealants and or thread tapes. The connecting thread type are either BSP or NPS and clearly marked on the side of the fitting along with size. The advantage of parallel threads rather than tapered is that there can be maximum engagement between the mating threads providing a stronger connection. Do not over tighten, simply allow the adhesive sealant to provide the seal and orientation of the fitting. Apply twin hose clamps for a secure hose connection and check tightness regularly.

Note: Product is for use above the water line only when directly fitted to a Skin Fitting / Thru Hull.

In below water line situations - ISO & ABYC require a TruDesign Ball Valve to be fitted directly to a Skin Fittings / Thru Hulls.



## Dimensions:



A	B		C		D		E		F		G		H	
Thread Size	Tail Size		Length		Length		Thread Length		Tail Length		Hex Size AF		Minimum Internal Ø	
¾"	19mm	¾"	62mm	2 4/9"	52mm	2"	30mm	1 1/6"	32mm	1 2/7"	30mm	1 1/6"	13mm	1/2"
1"	25mm	1"	65mm	2 5/9"	65mm	2 5/9"	30mm	1 1/6"	41mm	1 5/8"	35mm	1 3/8"	19mm	3/4"
1¼"	32mm	1¼"	81mm	3 1/5"	75mm	3"	30mm	1 1/6"	51mm	2"	44mm	1 5/7"	25mm	1"
1½"	38mm	1½"	81mm	3 1/5"	78mm	3"	30mm	1 1/6"	51mm	2"	50mm	2"	31mm	1 2/9"
2"	50mm	2"	81mm	3 1/5"	84mm	3 1/3"	30mm	1 1/6"	51mm	2"	62mm	2 3/7"	43mm	1 2/3"
3"	75mm	3"	128mm	5"	117mm	4 3/5"	44mm	1 3/4"	75mm	3"	90mm	3 1/2"	66mm	2 3/5"
½"	16mm	¾"	51mm	2"	50mm	2"	24mm	1"	31mm	1 1/5"	25mm	1"	10mm	2/5"
1"	28mm	1½"	65mm	2 5/9"	65mm	2 5/9"	30mm	1 1/6"	41mm	1 5/8"	35mm	1 1/3"	22mm	6/7"
1½"	28mm	1½"	71mm	2 4/5"	65mm	2 5/9"	30mm	1 1/6"	41mm	1 5/8"	50mm	2"	22mm	6/7"

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