

## TAIL FEMALE THREAD (BSP & NPS)

Designed and made in New Zealand, **TRUDESIGN™** Tail Female Thread Straight fittings are made for fitting hoses to male threaded fittings. Available in multiple sizes in both black & white;



**TRUDESIGN™** Tail Female Threads are moulded from a glass-reinforced nylon composite. The high strength, high-modulus glass fibres within the material provide remarkable strength, stiffness, toughness, and dimensional stability.

**TRUDESIGN™** fittings eliminate the corrosion and electrical bonding problems associated with metallic fittings. Tail sections are designed to take two hose clamps and to never crush.

Note: Tail Female fittings may be installed directly on to Skin Fittings that are installed above the maximum-heelled waterline. For Skin Fittings installed below the waterline, a Ball Valve must be directly attached to the Skin Fitting in order to comply with international marine standards (ISO 9093-2 and ABYC H-27).

### KEY FEATURES:

Feature:	Benefit:
Female Thread	Ideal for sink outlets or connecting a tail to the TruDesign T Piece.
Connects directly to a skin fitting	Ideal for above the water line hose connections
Manufactured from a glass-reinforced Nylon composite	High strength, tough and light weight
Unequal tail option	Allows smaller hose connection to larger diameter inlet or outlet..
Immune to corrosion and electrolysis	Long-life with no concerns over decreased performance due to corrosion. No bonding required
Chemical resistant	Unaffected by diesel, petrol, black water, grey water, and other chemicals
UV resistant	Will not degrade or discolour with ultraviolet light from the sun
BSPP & NPS (Parallel) threads	Universal compatibility to <b>TRUDESIGN™</b> Skin Fittings, threaded fittings, and other marine components.
Large operating temperature range	Suitable for all marine environments, from -20°C to +100°C

## SPECIFICATIONS:

Sealing is achieved through use of a marine sealant or thread tape, fittings can be positioned anywhere around 360°, unlike tapered fittings that need to be fully tightened in order to seal. Adhesive sealants provide an excellent bond that limits the ability of the fitting to turn once cured.

## BSP PART NUMBERS & TECHNICAL INFORMATION:

Model / Size	Part Numbers White		Part Numbers Black		Minimum I.D	Outer Pack Size	Weight
	Bulk	PKG	Bulk	PKG			
Tail 19mm ¾" BSP Female Thread	90995	90996	90953	90964	12.7mm	10	27g / 0.95 oz
Tail 25mm 1" BSP Female Thread	90997	90998	90954	90965	19.0mm	10	41g / 1.45 oz
Tail 32mm 1¼" BSP Female Thread	90999	91000	90955	90966	24.5mm	10	55g / 1.94 oz
Tail Unequal 38mm 1¼" BSP Female	91009	91010	90962	90973	30.6mm	10	56g / 1.98 oz
Tail Unequal 25mm 1½" BSP Female	90993	90994	90959	90970	19.0mm	5	64g / 2.26 oz
Tail 38mm 1½" BSP Female Thread	91001	91002	90956	90967	30.6mm	5	70g / 2.47 oz
Tail Unequal 38mm 1¾" BSP Female	90991	90992	90958	90969	30.6mm	5	77g / 2.72 oz
Tail 50mm 2" BSP Female Thread	91003	91004	90957	90968	41.0mm	5	106 / 3.74 oz

**Note:** All thread lengths = 30.0 mm long.

## NPS PART NUMBERS & TECHNICAL INFORMATION:

Model / Size	Part Numbers White		Part Numbers Black		Minimum I.D	Outer Pack Size	Weight
	Bulk	PKG	Bulk	PKG			
Tail 19mm ¾" BSP Female Thread	91013	91014			12.7mm	10	27g / 0.95 oz
Tail 25mm 1" BSP Female Thread	91015	91016			19.0mm	10	41g / 1.45 oz
Tail 32mm 1¼" BSP Female Thread	91017	91018			24.5mm	10	55g / 1.94 oz
Tail Unequal 38mm 1¼" BSP Female	91029	91030			30.6mm	10	56g / 1.98 oz
Tail Unequal 25mm 1½" BSP Female	91023	91024			19.0mm	5	64g / 2.26 oz
Tail 38mm 1½" BSP Female Thread	91019	91029			30.6mm	5	70g / 2.47 oz
Tail Unequal 38mm 1¾" BSP Female					30.6mm	5	77g / 2.72 oz
Tail 50mm 2" BSP Female Thread	91021	91022			41.0mm	5	106 / 3.74 oz

**Note:** All thread lengths = 30.0 mm long.

## NPS PART NUMBERS & TECHNICAL INFORMATION:

Model / Size	Part Numbers White Part Number PKG		Part Numbers Black		Minimum I.D	Outer Pack Size PKG	Weight
	Bulk	PKG	Bulk	PKG			
Tail 19mm ¾" BSP Female Thread	91013	91014			12.7mm	10	27g / 0.95 oz
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## INSTALLATION:

- 1.) Ensure the male thread on the fitting that the Tail Female Thread is connecting to 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 male thread (see manufacturer's notes), or, wind several turns of PTFE thread sealing tape onto the male thread (clockwise when viewed from the bottom of the thread).
- 3.) Screw the Tail Female Thread onto the male thread fitting being mindful not to cross-thread the two. Tighten the Tail Female Thread fully home by hand or using a large crescent or open-ended spanner. Do not over tighten.
- 4.) When an adhesive type thread sealant is used, fittings do not need to be torque-tightened as the sealant will lock the components in their positions and provide full waterproofness once cured.
- 5.) Fit the hose over the Tail section using hot water to soften the hose.
- 6.) Apply twin hose clamps for a secure connection.

For more information on thread sealing see our Technical Information Sheet – Thread Sealing

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