

## TruDesign Hose Tail - BSP



TruDesign Tails are moulded from a glass reinforced nylon composite. High strength, high-modulus glass fibres impregnated into the nylon provides dramatic strength, stiffness, toughness, and dimensional stability. TruDesign 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
90246	Tail 13mm ½" BSP Long Thread BSP
90557	Tail 13mm ½" BSP Long Thread BSP PKG
90875	Tail 16mm ½" BSP Long Thread BSP – Unequal
90876	Tail 16mm ½" BSP Long Thread BSP PKG- Unequal
90252	Tail 19mm ¾" BSP Long Thread
90558	Tail 19mm ¾" BSP Long Thread PKG
90879	Tail 22mm ¾" BSP Long Thread - Unequal
90880	Tail 22mm ¾" BSP Long Thread PKG - Unequal
90263	Tail 25mm 1" BSP Long Thread
90559	Tail 25mm 1" BSP Long Thread PKG
90640	Tail 28mm 1" BSP Long Thread - Unequal
90641	Tail 28mm 1" BSP Long Thread PKG – Unequal
90285	Tail 32mm 1¼" BSP Long Thread
90560	Tail 32mm 1¼" BSP Long Thread PKG
90530	Tail 38mm 1¼" BSP Long Thread - Unequal
90564	Tail 38mm 1¼" BSP Long Thread PKG – Unequal
90231	Tail 38mm 1½" BSP Long Thread
90561	Tail 38mm 1½" BSP Long Thread PKG
90284	Tail 32mm 1½" BSP Long Thread - Unequal
90563	Tail 32mm 1½" BSP Long Thread – PKG Unequal
90518	Tail 50mm 2" BSP Long Thread
90562	Tail 50mm 2" BSP Long Thread PKG

## KEY FEATURES

Feature :	
Manufactured from a glass reinforced nylon composite	High strength and light weight.
Immune to corrosion and electrolysis	No need to replace check integrity of fitting.
Chemical resistant	Impervious to diesel, petrol and antifouling paints.
UV resistant	Will not break down with ultraviolet light or discolour.
High quality surface finish	Will not discolour with green film as bronze fittings do.
Fits Tru-Design Ball Valves & BSP threads	Universal compatibility to other TruDesign fittings.
Large operating temperature range	Suitable for all marine environments, from -40°C to +110°C.

## SPECIFICATIONS

Connecting threads on are BSP (British Standard Pipe) and are parallel. 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 problems as the engagement can frequently be only a few turns.

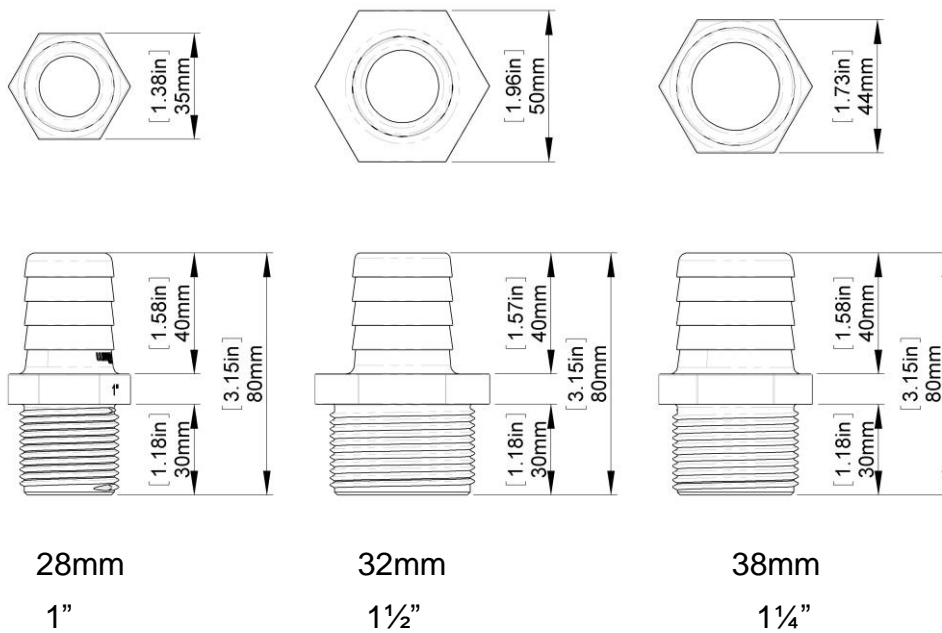
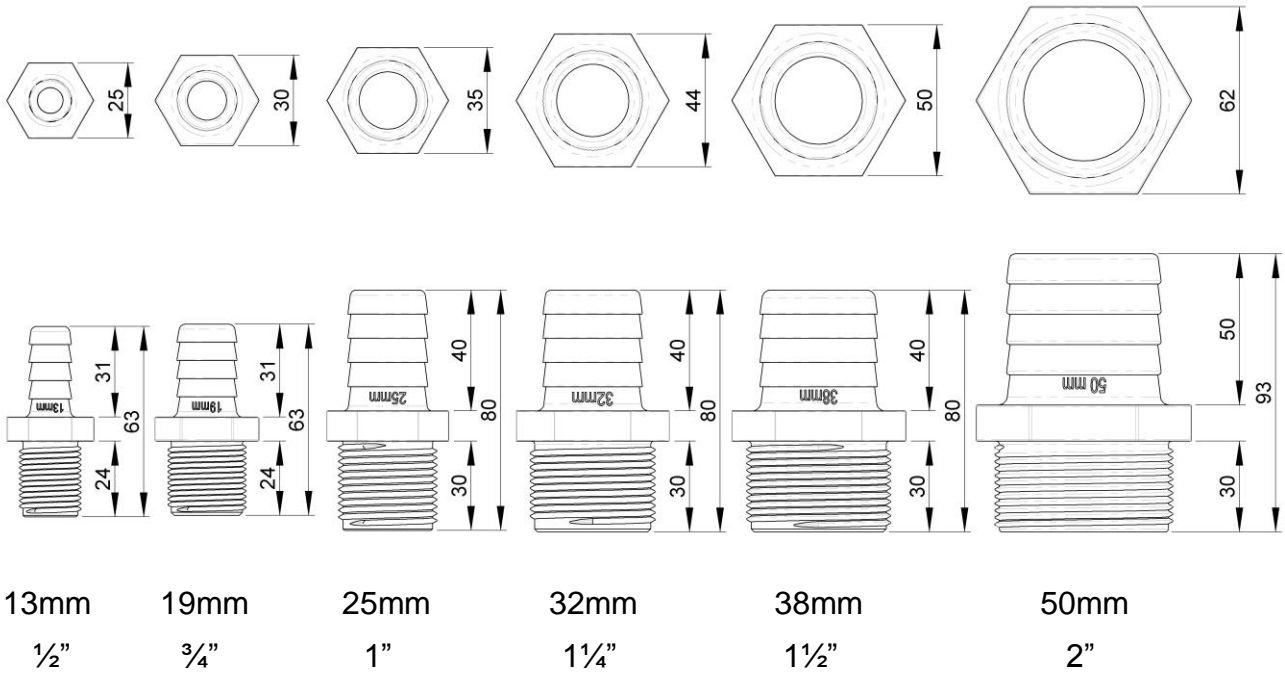
## FLOW DIAMETER & THREAD LENGTH

Size	Minimum I.D.	Thread Length
13mm (½" BSP)	9mm	24mm
19mm (¾" BSP)	13mm	24mm
25mm (1" BSP)	19mm	30mm
32mm (1¼" BSP)	24mm	30mm
38mm (1½" BSP)	29mm	30mm
50mm (2" BSP)	40mm	30mm

Unequal Tails		
28mm (1" BSP)	20mm	30mm
32mm (1½" BSP)	24mm	30mm
38mm (1¼" BSP)	29mm	30mm

**DIMENSIONS**

All dimensions in mm.  
All dimensions nominal.



## INSTALLATION

The following adhesive sealants and thread sealers can be used for sealing. See also our Technical information sheet TIS Thread Sealing. Use two hose clamps where possible to fasten hoses to tail.

### Adhesive Thread Sealers

#### SIKAFLEX® 291i Marine Adhesive Sealant

A one-part polyurethane adhesive/sealant. Starts to cure in approx. 2 hours, after which hoses can be attached. Full cure takes 24 hours – refer to product literature. Creates a permanent seal.

#### 3M™ Marine Adhesive Sealant Fast Cure 5200

A one-part polyurethane adhesive/sealant. Starts to cure (tack-free) in approx. 2 hours, after which hoses can be attached. Full cure takes 24 hours – refer to product literature. Creates a permanent seal. Colour = White.

#### Bostik® 920 Marine Sealant.

A one-part urethane adhesive/sealant. Starts to cure (tack-free) in approx. 2 hours, after which hoses can be attached. Full cure takes 1.5 – 3 days – refer to manufacturer's product literature.

### Thread Sealers only

#### LOCTITE® 5331

Thread Sealant - low strength. Used for threaded plastic or plastic/metal fittings carrying hot or cold water. Full cure is achieved within 96 hours (at min. 40% atmospheric humidity) – refer to manufacturer's product literature.

#### 3M™ Marine Adhesive Sealant Fast Cure 4200

Approximately half the strength (once cured) of 5200 which allows for easier disassembly of parts.

#### PTFE (Teflon™) Thread Tape

PTFE (Teflon™) tape is a traditional thread sealing method which provides a good seal when applied correctly. However, in some cases if the position or tightness of the Ball Valve or Skin Fitting is incorrect, they have to be unscrewed and more tape applied, slowing the assembly process. Additionally, the fittings can sometimes be turned by hand after being installed.

#### LOCTITE® 55 Pipe Sealing Cord

A coated multi-filament cord designed as a faster method than Teflon tape to seal threaded fittings. The advantage is that a component, for example a Ball Valve, could be screwed down then screwed back a turn to suit positioning whilst still maintaining a tight seal. This eliminates the need to remove the entire Ball Valve and apply more tape as with traditional Teflon tape. Colour = White.

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