CONNECTOR FEMALE THREAD, MALE THREAD - 90°

Designed and made in New Zealand, Tru-Design Connectors are the superior composite connection for connecting threaded fittings.

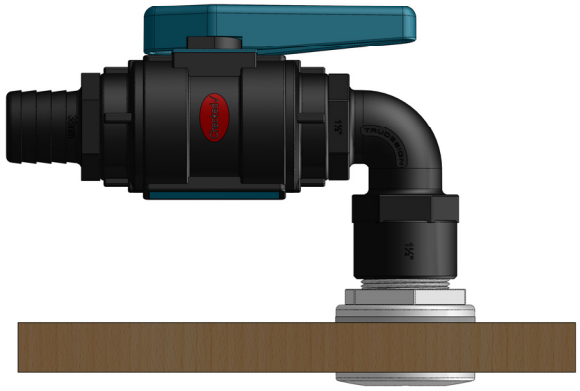
Tru-Design Connectors are moulded from a glass reinforced nylon composite. High strength, high-modulus, glass reinforced nylon provides dramatic strength, stiffness, toughness, and dimensional stability.

Tru-Design Connectors eliminate the corrosion and electrical bonding problems associated with metallic fittings.

MODELS

Part #	Description
90777	Connector ¾" BSP F ¾" M 90°
90778	Connector ¾" BSP F ¾" M 90° PKG
90779	Connector 1" BSP F 1" M 90°
90780	Connector 1" BSP F 1" M 90° PKG
90632	Connector 1¼" BSP F 1¼" M 90°
90638	Connector 1¼" BSP F 1¼" M 90° PKG
90630	Connector 1½" BSP F 1½" M 90°
90636	Connector 1½" BSP F 1½" M 90° PKG
90628	Connector 2" BSP F 2" M 90°
90634	Connector 2" BSP F 2" M 90° 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, Ball Valves & 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 are BSP (British Standard Pipe) and are parallel. These parallel threads are designed so that thread tape is wound onto the male 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

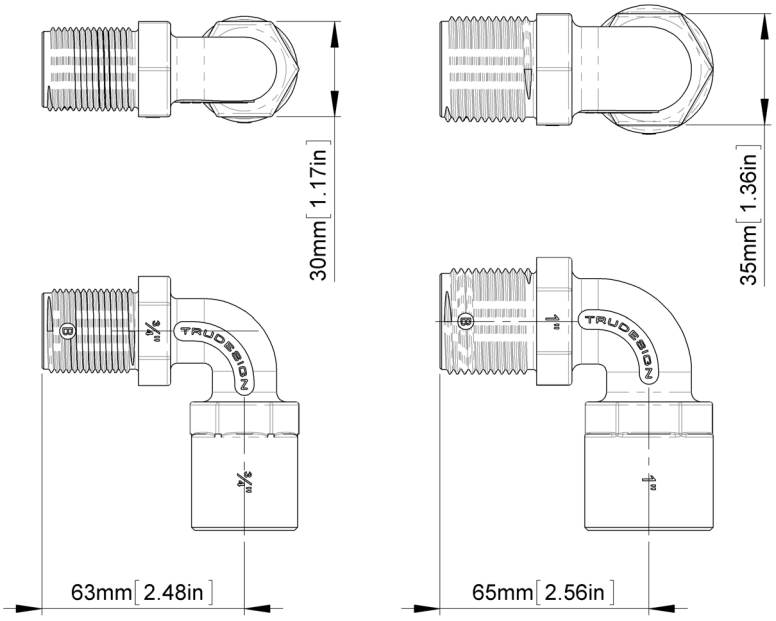
Female Thread	Thread Length	Male Thread	Thread Length	Minimum I.D.
¾”	30mm	¾”	30mm	12mm
1”	30mm	1”	30mm	18mm
1¼“	30mm	1¼“	30mm	24mm
1½“	30mm	1½“	30mm	30mm
2”	30mm	2”	30mm	42mm

WEIGHT

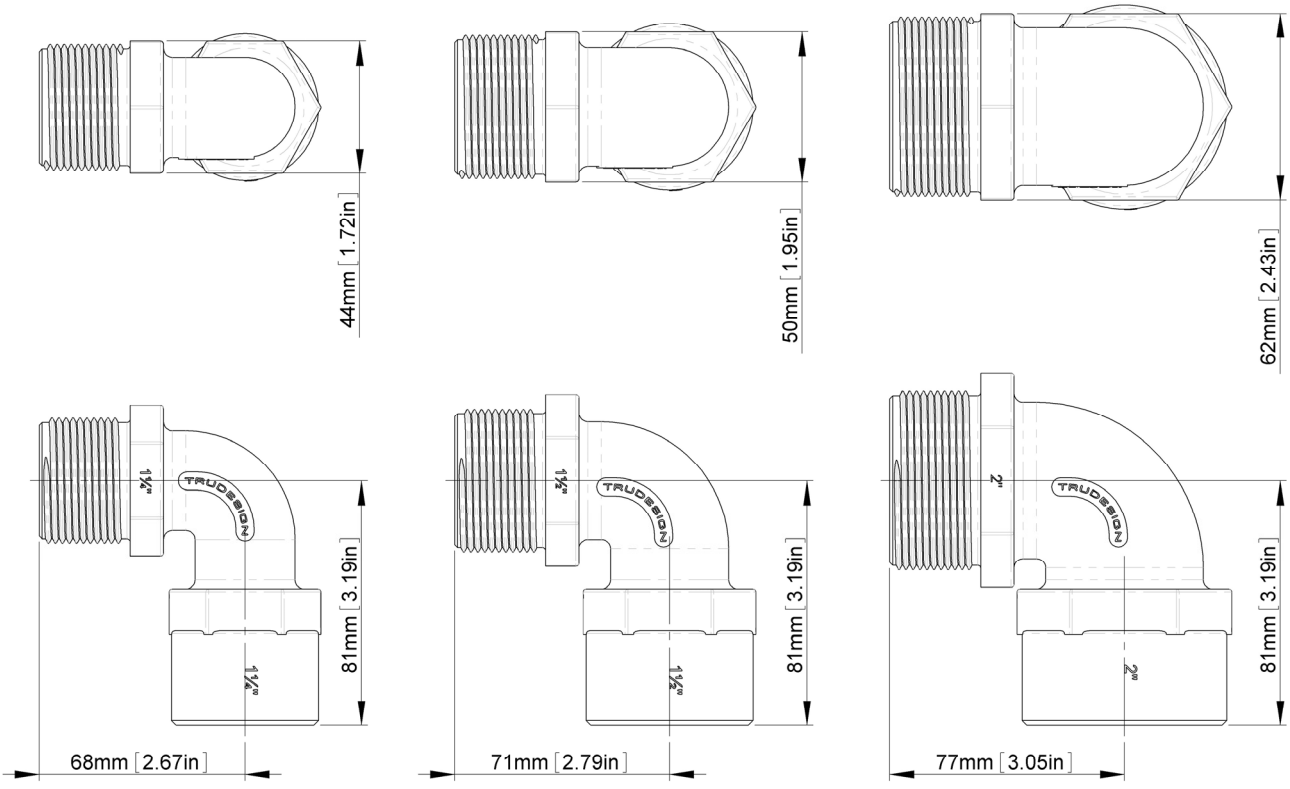
Size	Weight (g)	Weight (oz)
¾”	44	1.6
1”	63	2.2
1¼“	96	3.4
1½“	117	4.1
2”	163	5.7

DIMENSIONS

All dimensions nominal.



¾” 1”



1¼” 1½” 2”

INSTALLATION

Ensure the thread that the Connector 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 Connector 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).

Repeat on other end.

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

The thread type on all Tru-Design Connectors 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 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 Connectors electrically together as there are no corrosion or electrolysis problems as can be experienced when using bronze fittings.

SERVICING

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

Connectors should be checked for secure fitting into other fittings at regular intervals.

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