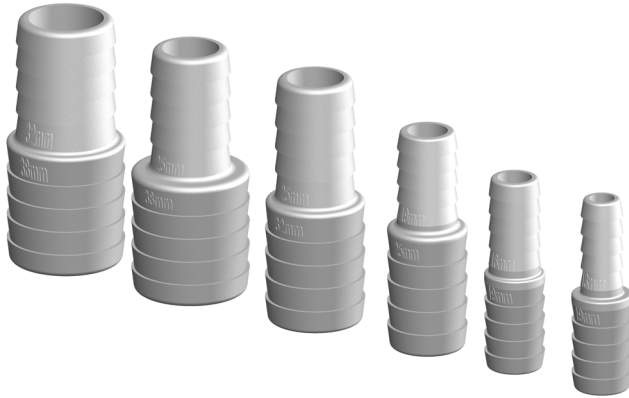


## REDUCER

Designed and made in New Zealand, Tru-Design Reducers are the superior composite connection for linking 2 hoses of different sizes.



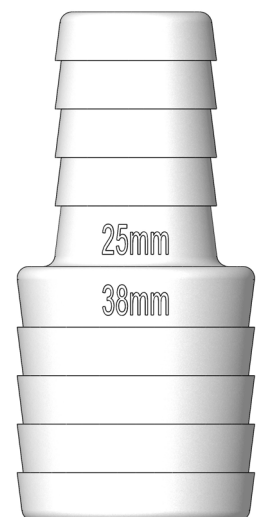
Tru-Design Reducers are moulded from a glass reinforced nylon composite. High strength, high-modulus glass fibres impregnated into the nylon provides dramatic strength, stiffness, toughness, and dimensional stability.

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

## MODELS

Part #	Description
90403	Reducer 19mm – 13mm
90611	Reducer 19mm – 13mm PKG
90404	Reducer 19mm – 16mm
90612	Reducer 19mm – 16mm PKG
90405	Reducer 25mm – 19mm
90613	Reducer 25mm – 19mm PKG
90406	Reducer 32mm – 25mm
90614	Reducer 32mm – 25mm PKG
90407	Reducer 38mm – 25mm
90615	Reducer 38mm – 25mm PKG
90408	Reducer 38mm – 32mm
90616	Reducer 38mm – 32mm 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.
Large operating temperature range	Suitable for all marine environments, from -40°C to +110°C.

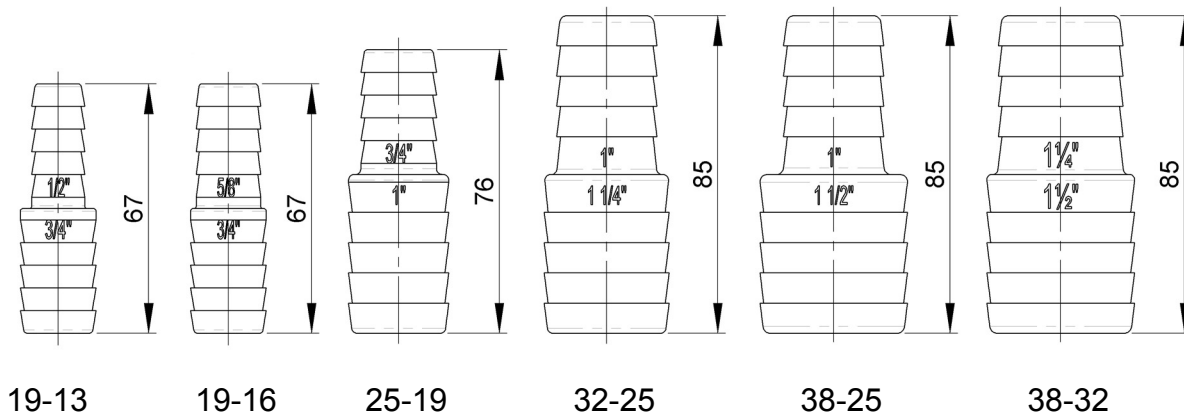
## SPECIFICATIONS

### FLOW DIAMETER

Size	Minimum I.D.
19-13mm	8mm
19-16mm	11mm
25-19mm	13mm
32-25mm	19mm
38-25mm	19mm
38-32mm	25mm

## DIMENSIONS

All dimensions in mm.  
All dimensions nominal.



## INSTALLATION

Fit the hose using hot water to soften.

Apply twin hose clamps for a secure connection.

It is recommended that all plumbing is securely fastened to the boat structure to eliminate rattling, wear or inadvertent disconnection.

## SERVICING

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

Hose clamps should be checked regularly for a secure connection.

Tru-Design Plastics Ltd. accepts no responsibility for Products which are improperly installed or tampered with. Although the information presented in this product information sheet is believed to be accurate and reliable, no responsibility for inaccuracies can be assumed by Tru-Design Plastics Ltd. This performance data is typical only and variations due to component manufacturing tolerances are normal. Tru-Design Plastics Ltd. reserves the right at any time to change performance characteristics or specifications without prior notice.  
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