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**SPECS &  
INFORMATION**

## Connector Straight

Designed and made in New Zealand, TruDesign Connectors are designed as a strong non crushable composite connection for hoses.



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

### 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.                          |

## Model

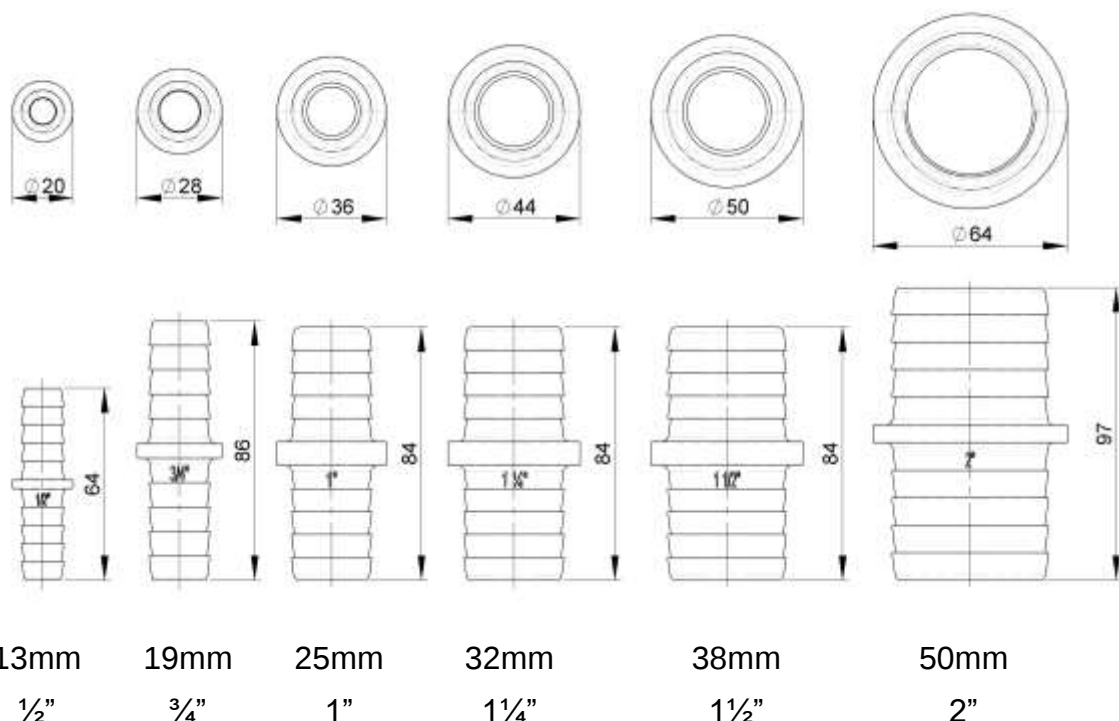
| Part Number | Description                                                    |
|-------------|----------------------------------------------------------------|
| 90245       | Connector 13mm/13mm ( $\frac{1}{2}$ "/ $\frac{1}{2}$ " )       |
| 90599       | Connector 13mm/13mm ( $\frac{1}{2}$ "/ $\frac{1}{2}$ " ) PKG   |
| 90248       | Connector 19mm/19mm ( $\frac{3}{4}$ "/ $\frac{3}{4}$ " )       |
| 90600       | Connector 19mm/19mm ( $\frac{3}{4}$ "/ $\frac{3}{4}$ " ) PKG   |
| 90257       | Connector 25mm/25mm (1"/1" )                                   |
| 90601       | Connector 25mm/25mm (1"/1" ) PKG                               |
| 90948       | Connector 28mm/28mm ( $1\frac{1}{8}$ "/ $1\frac{1}{8}$ " )     |
| 90949       | Connector 28mm/28mm ( $1\frac{1}{8}$ "/ $1\frac{1}{8}$ " ) PKG |
| 90356       | Connector 32mm/32mm ( $1\frac{1}{4}$ "/ $1\frac{1}{4}$ " )     |
| 90602       | Connector 32mm/32mm ( $\frac{1}{4}$ "/ $1\frac{1}{4}$ " ) PKG  |
| 90290       | Connector 38mm/38mm ( $1\frac{1}{2}$ "/ $1\frac{1}{2}$ " )     |
| 90603       | Connector 38mm/38mm ( $1\frac{1}{2}$ "/ $1\frac{1}{2}$ " ) PKG |
| 90492       | Connector 50mm/50mm (2"/2" )                                   |
| 90604       | Connector 50mm/50mm (2"/2" ) PKG                               |

## Specifications and Flow Diameter

| Size                      | Minimum I.D. |
|---------------------------|--------------|
| 13mm ( $\frac{1}{2}$ " )  | 9mm          |
| 19mm ( $\frac{3}{4}$ " )  | 13mm         |
| 25mm (1" )                | 18mm         |
| 32mm ( $1\frac{1}{4}$ " ) | 23mm         |
| 38mm ( $1\frac{1}{2}$ " ) | 28mm         |
| 50mm (2" )                | 41mm         |

## 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 Connectors are immune to corrosion, minimal servicing is required.

Hose clamps should be checked regularly for a secure connection.

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