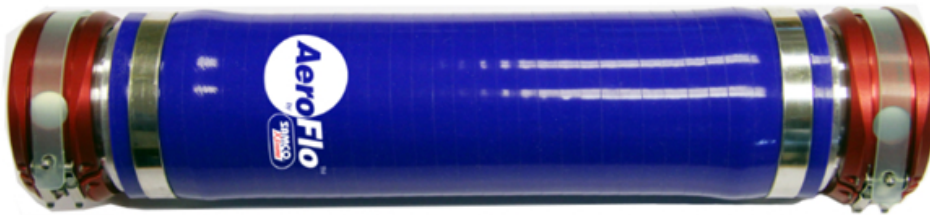




Clarendon Specialty Fasteners Ltd  
Unit D, Steamer Quay Road,  
Totnes, Devon.  
TQ9 5AL  
T: +44 (0)1803 868677  
E: totnessales@clarendonsf.com

## Technical Specification

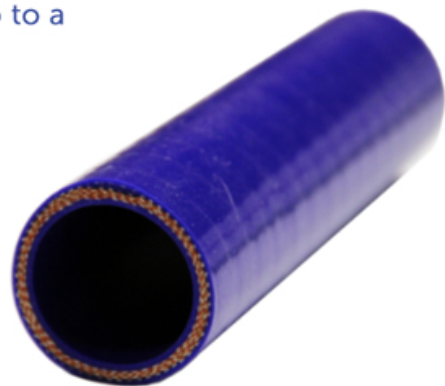


**Hose Tail** – Aluminium 6061-T6 (no finish)

**Hose Clamps** – Band-It Jr Smooth ID Preformed Clamps 201 Stainless

**Hose** – SamcoSport® Xtreme manufactured using a multilayer Aramid reinforced silicone suitable for temperatures up to a maximum of 250°C(480°F). Working and burst pressures will vary depending on diameter of the hose.

SamcoSport® use a 4-1 ratio on its working and burst pressure ratings, for example, the 32mm (1.25") hose, has a working pressure of 5bar (72.5psi) and a burst rating of 20bar (290psi).



**Coupling** – Hydraflow 14J21



The Hydraflow 14J21 Clamshell Coupling is specifically designed for motorsport being lightweight and featuring a unique safety strap.

The coupling meets the performance requirements of AS1650 and has a temperature rating of -53°C (-65°F) to 232°C (450°F) and working pressure of 10.6bar (155psi) and a burst rating of 26bar (382psi).

Also required to connect AeroFlo to tube and radiator or intercooler. Weld Flange - Aluminium 6061-T6 (no finish)

## SamcoSport® Test Procedure

The AeroFlo test procedure was carried out using 32mm (1.25") Xtreme hose in various configurations (straight, 45° and 90°).

The AeroFlo hose was subjected to an external temperature of 140°C (284°F) in a computer controlled cabinet with pressurised air injected into the hose via the end coupling. The air pressure was set at 5.5bar (79psi) and held for a period of 6 seconds per pulse before being vented over a 2 second period. This test cycles approximately 450 pulses per hour and ultimately tests both the hose and the hose tail and coupling under extreme load and temperature. This test was cycled 1500 pulses without failure.