

SamcoSport hoses are handcrafted to high automotive standards using the best quality fabrics and are 100% visually inspected to guarantee they are the best hoses money can buy. To ensure that they remain that way, you will find below our expert tips on how to look after your hoses including fitting, cleaning and cutting if you need to customise.

## 1 HOSE CUTTING

### GET THE PERFECT CUT

To cut silicone hose use a new 'snap off' blade in your knife. Tighten a jubilee clip around the hose without deforming the hose and use the edge of the clip as a guide for the knife blade. Stop near the worm drive section as the band here is uneven. Then take off the clip and slice through the remainder with the hose resting firmly on a flat service.



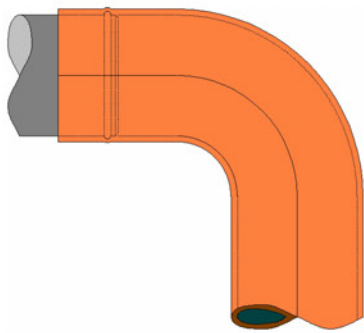
## 2 FITTING

### GET THE PERFECT FIT

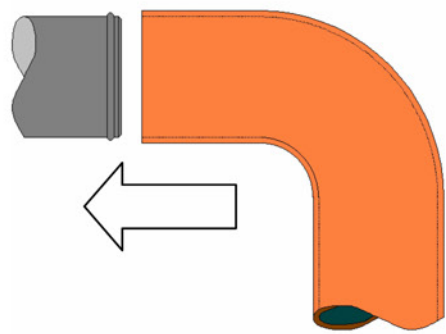
Pipe work should be matched to the hose to ensure a good interference fit without overstretching. Hoses must never be distorted when fitted, if the hose is stretched into position it is more likely to fail. Hoses when clamped in place should be clamped just behind the formed bead with at least 10mm of hose beyond the clip.

#### Fitting

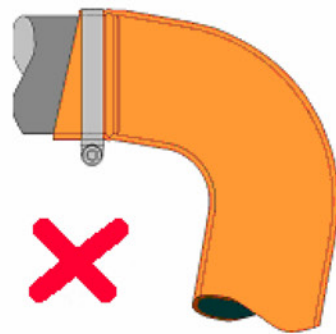
The pipe work must be aligned in the correct orientation to accept the hose, as shown. This then ensures that the hose sits square on the pipe work and is not forced on causing loading of the hose and pipe work.



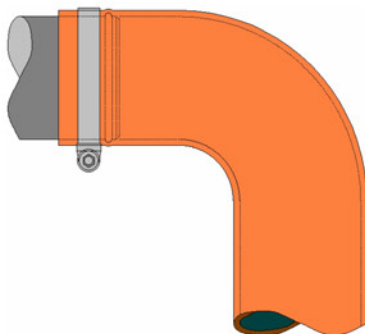
The hose should then push on to the pipe work with some resistance ideally until at least 30mm of hose is past the formed bead.



The clip can then be fitted to secure the hose in place. It should be located just off the formed bead over the pipework and end of the hose. It is recommended for effective clamping that the clip is at least 10mm from the end of the hose all the way around.



Care must be taken not to over tighten- see page 2



If the hose is not aligned properly it will not sit square on the pipe work. Any attempt to force it on square may lead to abrasion on the hose from the end of the pipe work. Vibrations on the leading edge of the clip against the hose may cause tearing around the edge of the clip between its two ends.

#### In Summary

- Clips should be well constructed and be free from sharp edges that could damage hoses. Samco Sport Hi-Grip clips are recommended.
- Pipe work should be matched to the hose to ensure a good interference fit without overstretching.
- Hoses must never be distorted when fitted, if the hose is stretched into position it is more likely to experience premature failure.
- Hoses when clamped in place should be clamped just behind the formed bead with at least 10mm of hose beyond the clamp.

## 3 CLEANING

### GET THE PERFECT FINISH

There are many substances that will remove dirt and grime from engine components, but not that many are suitable for silicone. The best cleaning product is a simple solution of soapy water. Do not use petroleum based products under any circumstances.



## 4 CLAMPING

### GET THE PERFECT CLAMP

It is important that a good quality clamp is used to ensure that the hose is securely attached to the pipe work. Samco Sports own range of Hi-Grip Clips are available from all stockists These clips have been specifically designed with fully rounded edges to help prevent damage to the surface of the hose under heavy clamping effects necessary in high pressure demanding applications SamcoSport Clip Kits are also available to suit your Hose Kit, containing the exact sizes to ensure the correct and secure fitment.

#### Hi-Grip Samco Sport Stainless Steel Hose Clips

##### Manufactured to BS5315

The Samco Sport range of hose Clips have been designed specifically for use on Samco Sport silicone reinforced hose. Samco Sport hoses are used in the most demanding applications so we chose clips to work in the most demanding applications as well. This ensures the toughest combination possible.

Size	Dia. (mm)	Dia. (inches)	Old Hose No.
SHC12	9.5-12	$\frac{3}{8}$ - $\frac{1}{2}$	OOO
SHC16	11-16	$\frac{1}{2}$ - $\frac{5}{8}$	MOO
SHC20	13-20	$\frac{1}{2}$ - $\frac{3}{4}$	OO
SHC22	14-22	$\frac{3}{8}$ - $\frac{1}{8}$	O
SHC25	17-25	$\frac{3}{4}$ - 1	OX
SHC30	22-30	$\frac{7}{8}$ - $1\frac{1}{8}$	1A
SHC35	25-35	1 - $1\frac{3}{8}$	1
SHC40	30-40	$1\frac{1}{8}$ - $1\frac{5}{8}$	1X
SHC45	35-45	$1\frac{3}{8}$ - $1\frac{3}{4}$	-
SHC50	35-50	$1\frac{3}{8}$ - 2	2A
SHC55	40-55	$1\frac{5}{8}$ - $2\frac{1}{8}$	2
SHC60	45-60	$1\frac{3}{4}$ - $2\frac{3}{8}$	2X
SHC70	50-70	2 - $2\frac{3}{4}$	3
SHC80	60-80	$2\frac{3}{8}$ - $3\frac{1}{8}$	3X
SHC90	70-90	$2\frac{3}{4}$ - $3\frac{1}{2}$	4
SHC100	80-100	$3\frac{1}{8}$ - 4	4X
SHC120	90-120	$3\frac{1}{2}$ - $4\frac{3}{4}$	5

Hi-Grip Samco Sport Stainless Steel Hose Clips are made entirely from 18/8 marine quality stainless steel. They have been designed to work in the most aggressive and corrosive environments, this ensures they can easily survive even the most aggressive under bonnet conditions.

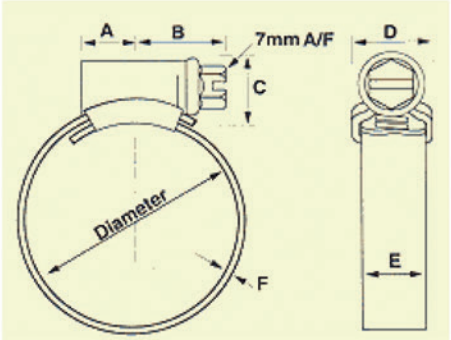
The parts have been fully tested to ensure they meet Samco Sports needs and expectations for durability and reliability.



**Hi-Grip Samco Sport**  
Smooth edge does not cut into hose surface

**Typical Hose Clip**  
Sharp edge can cut into hose surface

The Hi-Grip Samco Sport Clip is specifically designed with fully rounded edges to help prevent damage to the surface of the hose under heavy clamping effects necessary in high pressure demanding applications.



The clips come in a range of sizes, which complement our range of Hoses superbly. The range can be seen above; these can then be bought to suit race part applications or in kit form to suit our range of direct replacement hose kits. To order a clip kit replace the reference TCS with CKS.

Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Recommended Torque Setting Nm   lb-in
12-20	7	14	10	13	10	0.7	3.0   26
22-45	8	15	12	16	13	0.9	5.0   45
50 +	13	20	12	16	13	0.9	6.0   54
<b>Material Specification</b> Hi-Grip Stainless - All parts BS/AISI 304 - EN 1.4301							