

## Triple-Lok 2 Introduction

Parker's Triple-Lok 2 combines the versatility of stainless steel Triple-Lok with the added advantage of an elastomeric seal. Triple-Lok 2 incorporates a replaceable seal in the nose of the flare, which is positioned so that leak-free connections are made without compromising the strength of the fitting. Triple-Lok 2 shape fittings with SAE straight thread adjustable studs also feature Parker's new patent-pending design, providing easier assembly and improved reliability. Triple-Lok 2 can be used in any industrial application where corrosion resistance and leak-free connections are essential. Triple-Lok 2 is a direct interchange for any industrial 37° flare fitting, allowing current 37° flare fitting users to take advantage of Triple-Lok 2 without changing hoses or tubes.

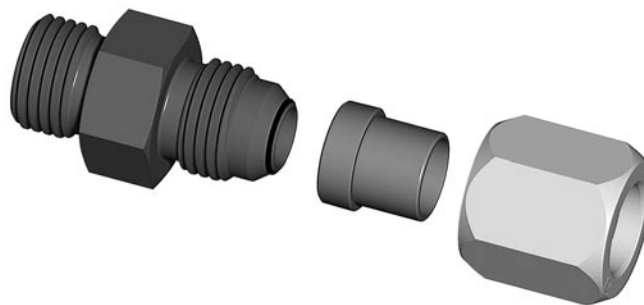


Fig. C4 – Triple-Lok 2 Fitting Body, Sleeve and Nut

## Design and Construction

The Triple-Lok 2 design incorporates an elastomeric seal in the nose of the 37° flare. The O-ring is positioned so that elastomeric sealing occurs with the mating tube regardless of tube wall thickness. It uses an easily produced flare at the tube end to seal and hold fluid under high pressure. The fitting consists of three pieces: the body (with O-ring), sleeve and nut (Fig. C4). The tube end is flared at a 37° angle (74° included angle) and held between the fitting nose (seat) and the sleeve (support) with the nut as shown in Fig. C5, providing a very effective elastomeric seal between the fitting nose and the tube flare.

## Materials and Manufacture

Triple-Lok 2 fitting components are manufactured using state-of-the-art equipment and manufacturing technologies to assure construction integrity, optimum strength and toughness, long service life and the highest quality. At the heart of the Triple-Lok 2 product line are the finest raw materials and manufacturing technologies as outlined in Table C5 and discussed below.

**The Triple-Lok 2 Body:** Triple-Lok 2 fittings are manufactured in the most popular stainless steel sizes and configurations. Straight bodies are machined from cold drawn bar stock. Shaped Triple-Lok 2 fittings are manufactured from a one-piece forged construction. This forged construction eliminates the potential leak path associated with multi-component brazed fittings.

**The Triple-Lok Sleeves:** Stainless steel sleeves are machined from cold drawn barstock.

**The Triple-Lok Tube Nuts:** The tube nuts are either cold formed or machined from cold drawn barstock. The cold forming process increases the material strength and its fatigue properties, imparting high strength and longer service life to the nuts.

## How Triple-Lok 2 Fittings Work

Tightening of the nut clamps the tube flare between the body nose and O-ring, producing a leak tight connection. This

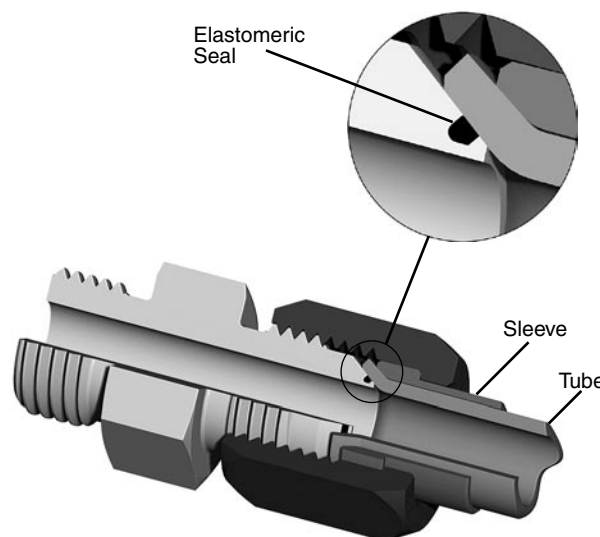


Fig. C5 – Triple-Lok 2 Design and Features

Triple-Lok 2 Fittings	Stainless Steel	
	ASTM	Type
Forged Bodies	A182	316
Bar Stock Bodies	A479	316
Cold Formed Nuts	A276	316
Bar Stock Tube Nuts	A479	316
Bar Stock Sleeves	A479	316

**Table C5 – Standard Material Specifications for Triple-Lok 2 Fittings**

**Finish:** Stainless steel fittings are passivated.