Visual Index

International Acceptance

The Triple-Lok male flare end is attachable to either inch tube, metric tube or a hose assembly. Parker offers many different port thread options for the various international hydraulic ports available. This is one of the primary reasons for its worldwide acceptance. Parker has traditionally offered a "Metric Triple-Lok" product line directed at the Metric, ISO-6149 and BSPP port users. Rather than carrying a separate catalog section, this range of international fittings has been integrated into the traditional "Triple-Lok" section.

To illustrate the versatility of Triple-Lok, refer to Fig. C3. A single 37° fitting body will accept both inch and metric tube sizes by simply changing the sleeve. Thus, a dedicated line of sleeves is offered for inch and metric tube. The universal tube nut and fitting body is used with either inch or metric tube, thus saving on component costs and making the Triple-Lok fitting more versatile. Also, the 37° body without the nut and sleeve is very popular as a hose adapter.

Study the following example illustrating the options with an SAE –8 (1/2") Triple-Lok fitting:

1. Fitting with a –8 (1/2") sleeve and –8 (1/2") tube nut can connect to a 1/2" o.d. flared tube.
2. Fitting with a 12 mm sleeve and –8 (1/2") tube nut can connect to 12 mm o.d. flared tube
3. Fitting without a nut and sleeve can be used as a 1/2" hose adapter when connected to a hose swivel.

Table C2 illustrates an even clearer picture of the flexibility of the Triple-Lok 37° system. It shows every "convertible sleeve" connection for the 37° flare design. For example, if 25 mm tube is being used, a –16 (1") 37° flare fitting together with a 25 mm (TXS25) sleeve and a standard –16 (1") flare fitting nut would be all the necessary components to connect and seal a 25 mm flared tube assembly.

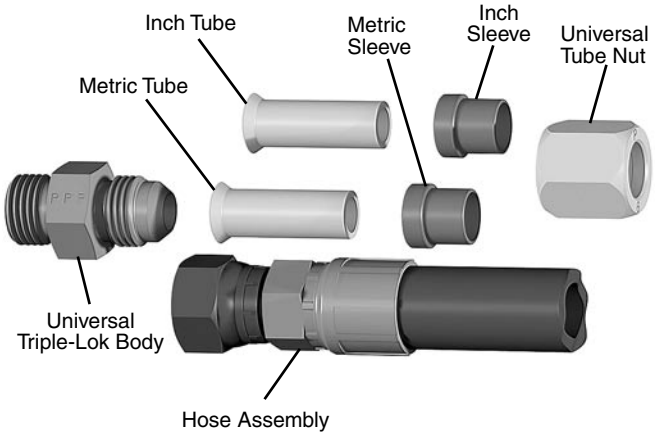

Fig. C3 – Triple-Lok's Adaptability to Inch Tube, Metric Tube, or Hose Assemblies

FITTING DASH SIZE	TUBE O.D.	METRIC TUBE SLEEVE PART #	NUT PART #
-4	6mm	TXS6	4 BTX-S
-5	8mm	5 TX-S	5 BTX-S
-6	10mm	TXS10	6 BTX-S
-8	12mm	TXS12	8 BTX-S
-10	14mm	TXS14	10 BTX-S
-10	15mm	TXS15	10 BTX-S
-10	16mm	10 TX-S	10 BTX-S
-12	18mm	TXS18	12 BTX-S
-12	20mm	20-12 TX-S	20-12 BTX-S
-14	22mm	TXS22	14 BTX-S
-16	25mm	TXS25	16 BTX-S
-20	28mm	TXS28	20 BTX-S
-20	30mm	TXS30	20 BTX-S
-20	32mm	TXS32	20 BTX-S
-24	35mm	TXS35	24 BTX-S
-24	38mm	24 TX-S	24 BTX-S

Table C2 – Triple-Lok Convertible Sleeve Connections

Tube Wall Thickness – Inch and Metric

Minimum/Maximum tube wall thickness is based on the pressure holding capacity of the fittings and subject to maximum wall thickness limitations.

FITTING DASH SIZE	WALL THICKNESS – INCH TUBE				WALL THICKNESS – METRIC TUBE			
	O.D.	WALL THICKNESS			O.D.	WALL THICKNESS		
	(in.)	Min.	(in.)	Max.	(mm)	Min.	(mm)	Max.
-2	1/8	0.010	–	0.035	–		–	
-3	3/16	0.010	–	0.035	–		–	
-4	1/4	0.020	–	0.065	6.0	0.5	–	2.0
-5	5/16	0.020	–	0.065	8.0	0.5	–	2.0
-6	3/8	0.020	–	0.065	10.0	0.5	–	2.0
-8	1/2	0.028	–	0.083	12.0	1.0	–	2.0
-10	5/8	0.035	–	0.095	14.0	1.0	–	2.5
-10	5/8	0.035	–	0.095	15.0	1.0	–	2.5
-10	5/8	0.035	–	0.095	16.0	1.0	–	2.5
-12	3/4	0.035	–	0.109	18.0	1.0	–	3.0
-12	3/4	0.035	–	0.109	20.0	1.0	–	3.0
-14	7/8	0.035	–	0.109	22.0	1.0	–	3.0
-16	1	0.035	–	0.120	25.0	1.0	–	3.0
-20	1 1/4	0.049	–	0.120	30.0	1.5	–	3.0
-20	1 1/4	0.049	–	0.120	32.0	1.5	–	3.0
-24	1 1/2	0.049	–	0.120	38.0	1.5	–	3.0
-32	2	0.058	–	0.134	50.0	1.5	–	3.5

Table C3 – Wall Thickness Chart for Inch and Metric Tubing