

Simple tube connection and disconnection - no tools required

Fewer component parts - Internally machined form in body to secure collet reduces number of potential leak paths

Corrosion resistant

Easy identification - All collets marked with tube size

Total fittings system solution

Reduced assembly & maintenance times provide time/labor savings

Greater reliability and reduced testing

Ease of tube insertion in areas of restricted access



Technical data

Operating Medium:

Compressed air

Maximum Working Pressure:

0 to 150 psi (0 to 10 bar)

Working Temperature:

-40°F to 220°F (-40°C to 100°C)

Materials:

Body (Straights), Tube support, Collet - Brass BS 2874 CZ 121
Body (Elbows, Tees) - Brass BS 2874 CZ 122
'O' Ring - Buna N (Low Nitrile).
Thread Sealant - Precoat 5

Tubing:

Tube should be to SAE J844 (Imperial) or DIN 74324 (Metric)

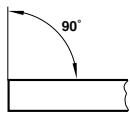
Standards & Legislation:

Fittings and Tubing Comply to Department Of Transport Federal Motor Vehicle Safety Standard,

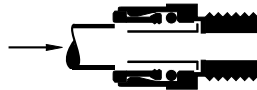
(DOT FMVSS 106) (Mandatory requirements for Inch tube fittings in U.S.A.)

Society for Automotive Engineers (SAE) J2494 (Inch tube and fittings) and meet DIN 74324 and German TÜV requirements (Metric Tube and Fittings)

Tube Connection / Disconnection



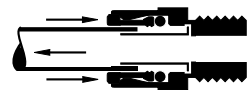
1. Ensure that the end of the tube is cut square and is free from burrs.



2. Push the tube through the collet into the fitting.

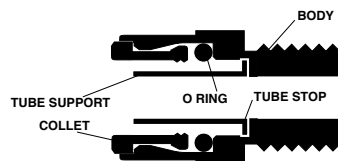


3. Continue pushing the tube through the 'O' ring until it bottoms on the tube stop. Then pull back on the tube to reinforce the collet teeth gripping action.



4. To disconnect - First ensure there is no air present. Push the tube into the fitting until it bottoms on the tube stop. Then hold down the collet and withdraw the tube.

Component Functions



Body—The body has an internally machined form to secure the collet(s), "O" ring(s) and Tube support(s). It also has internal & externally machined thread form(s) for connection to ports where applicable.

Collet—The purpose of the collet is to grip the tube and ensure it is retained by the fitting at all times.

"O" Ring—The "O" ring is to ensure adequate interference between the tube & fitting body therefore providing a pneumatic seal at all times.

Tube Support—The tube support prevents the tube collapsing during extreme tensile loading conditions. Such conditions are only encountered during performance testing and far exceed those experienced during normal use.

Male Connectors NPT

O/D tube	NPT	Product number
3/16"	1/8"	95453003M
1/4"	1/16"	95453001M
1/4"	1/8"	95453004M
1/4"	1/4"	95453010M
1/4"	3/8"	95453018M
3/8"	1/8"	95453006M
3/8"	1/4"	95453012M
3/8"	3/8"	95453020M
3/8"	1/2"	95453029M
1/2"	1/4"	95453013M
1/2"	3/8"	95453021M
1/2"	1/2"	95453030M
5/8"	3/8"	95453022M
5/8"	1/2"	95453031M
3/4"	1/2"	95453049M
3/4"	3/4"	95453055M



**Female Connectors
NPT Female**

O/D tube	B NPT	Product number
1/4"	1/8"	95435504M
1/4"	1/4"	95435510M
3/8"	1/8"	95435506M
3/8"	1/4"	95435512M
3/8"	3/8"	95435520M
1/2"	1/2"	95435530M



SAE 630103

Bulkhead Unions Metric

O/D tube	Thread	Product number
1/4"	M15 x 1.0	94450704M
3/8"	M20 x 1.5	94450706M
1/2"	M24 x 1.5	94450707M



SAE 630601

Reducing Unions Inch

O/D tube	Tube tube	Product number
3/8"	1/4"	94450448M
1/2"	3/8"	94450464M



SAE 630101

Male Elbows NPT

O/D tube	NPT	Product number
3/16"	1/8"	95433103M
1/4"	1/8"	95433104M
1/4"	1/4"	95433110M
1/4"	3/8"	95433118M
1/4"	1/2"	95433127M
3/8"	1/8"	95433106M
3/8"	1/4"	95433112M
3/8"	3/8"	95433120M
3/8"	1/2"	95433129M
1/2"	1/4"	95433113M
1/2"	3/8"	95433121M
1/2"	1/2"	95433130M
5/8"	3/8"	95433198M
5/8"	1/2"	95433131M
3/4"	1/2"	95433149M
3/4"	3/4"	95433155M



SAE 630202

**Female Bulkhead
Connectors
NPT Female, UNF**

O/D tube	NPT female	C UNF	Product number
1/4"	1/8"	5/8"	95457006M
1/4"	1/4"	5/8"	95457001M
3/8"	1/4"	3/4"	95457003M
3/8"	3/8"	3/4"	95457004M
1/2"	3/8"	7/8"	95457005M
1/2"	1/2"	7/8"	95457007M



Male Connectors Metric

O/D tube	Thread	Product number
1/4"	M10 x 1.0	94466631M
1/4"	M12 x 1.5	94466633M
1/4"	M16 x 1.5	94466635M
3/8"	M12 x 1.5	94466653M



Male Hobbs Elbows Metric

O/D tube	Thread	Product number
1/4"	M10 x 1.0	94413831BP
1/4"	M12 x 1.5	94413833M
1/4"	M16 x 1.5	94413835M
3/8"	M12 x 1.5	94413853M
3/8"	M16 x 1.5	94413855BP
3/8"	M22 x 1.5	94413858
1/2"	M16 x 1.5	94413865
1/2"	M22 x 1.5	94413868BP
5/8"	M16 x 1.5	94413879BP
5/8"	M22 x 1.5	94413875BP
3/4"	M22 x 1.5	94413898BP


Male Swivel Elbows NPT

O/D tube	NPT	Product number
1/4"	1/8"	95411404M
1/4"	1/4"	95411410M
1/4"	3/8"	95411418M
3/8"	1/8"	95411406M
3/8"	1/4"	95411412M
3/8"	3/8"	95411420M
3/8"	1/2"	95411429M
1/2"	1/4"	95411413M
1/2"	3/8"	95411421M
1/2"	1/2"	95411430M
5/8"	1/2"	95411431M
3/4"	1/2"	95411449M


SAE 6302AA

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Female Elbows NPT

A O/D tube	B NPT	Product number
3/16"	1/8"	95456401BP
1/4"	1/4"	95456410BP
1/4"	1/8"	95456204M
3/8"	3/8"	95456420BP
1/2"	1/2"	95456430BP


SAE 630203
Male Branch Tees NPT

O/D tube	O/D tube	NPT	Product number
1/4"	1/4"	1/8"	95459002M
1/4"	1/4"	1/4"	95459012M
1/4"	1/4"	3/8"	95459019M
3/8"	1/4"	1/4"	95459016M
3/8"	3/8"	1/4"	95459010M
3/8"	3/8"	3/8"	95459001M
1/2"	1/4"	1/4"	95459009M
1/2"	1/4"	3/8"	95459006M
1/2"	1/4"	1/2"	95459008M
1/2"	3/8"	1/2"	95459014M
1/2"	1/2"	1/4"	95459013M
1/2"	1/2"	1/2"	95459004M
5/8"	1/2"	3/8"	95459015M
5/8"	1/2"	1/2"	95459007M


SAE 630425
Plug*

O/D stem	Part number
1/4"	94050904BP
3/8"	94050906BP
1/2"	94050907BP

*Material: Thermoplastic


SAE 630109
45° Male Elbows NPT

O/D tube	NPT	Product number
1/4"	1/8"	95460004M
1/4"	1/4"	95460010M
3/8"	1/8"	95460006M
3/8"	1/4"	95460012M
3/8"	3/8"	95460020M
3/8"	1/2"	95460029M
1/2"	1/4"	95460013M
1/2"	3/8"	95460021M
1/2"	1/2"	95460030M
5/8"	3/8"	95460022M
5/8"	1/2"	95460031M
3/4"	1/2"	95460049M


SAE 630302
Union Elbows

O/D tube	Part number
1/4"	94451104BP
3/8"	94451106M
1/2"	94451107M


SAE 630201
Male Bulkhead Elbows NPT Female, UNF

O/D tube	NPT female	UNF	Product number
1/4"	1/8"	5/8"	95459704M
1/2"	3/8"	7/8"	95459702M


SAE 631403
Double Elbow Adapters NPT

O/D tube	O/D tube	NPT	Product number
1/4"	1/4"	1/8"	95476101M
1/4"	1/4"	3/8"	95476113M



Male Swivel Branch Tees NPT

O/D tube	NPT	Product number
3/16"	1/8"	95411103M
1/4"	1/8"	95411104M
3/8"	1/4"	95411112M
3/8"	3/8"	95411120M
1/2"	1/4"	95411113M
1/2"	3/8"	95411121M
1/2"	1/2"	95411130M



SAE 6304AC

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Male Run Tees NPT

O/D tube	O/D tube	NPT	Product number
1/4"	1/4"	1/8"	95458628M
1/4"	1/4"	1/4"	95458613M
1/4"	1/4"	3/8"	95458617M
1/4"	3/8"	1/4"	95458621M
1/4"	3/8"	3/8"	95458607M
1/4"	1/2"	3/8"	95458606A
3/8"	1/4"	1/4"	95458605M
3/8"	1/4"	3/8"	95458627M
3/8"	3/8"	1/4"	95458603M
3/8"	3/8"	3/8"	95458610M
3/8"	3/8"	1/2"	95458604M
3/8"	1/2"	3/8"	95458626M
1/2"	3/8"	3/8"	95458620M
1/2"	1/2"	1/4"	95458616M
1/2"	1/2"	3/8"	95458611M



SAE 630424

Male Swivel Run Tees NPT

O/D tube	NPT	Product number
1/4"	1/8"	95411204M
1/4"	1/4"	95411210M
3/8"	1/4"	95411212M
3/8"	3/8"	95411220M
1/2"	3/8"	95411221M
1/2"	1/2"	95411230M



SAE 6308AB

Special 90° Tees NPT

O/D tube	O/D tube	NPT	Product number
1/4"	1/4"	1/4"	95458901A
3/8"	3/8"	1/4"	95458916M
3/8"	1/2"	1/2"	95458907M
1/2"	1/2"	1/2"	95458902M
1/2"	5/8"	1/2"	95458905BP
5/8"	3/8"	1/2"	95458920M
5/8"	5/8"	1/2"	95458906M



90° Fixed Tee

O/D tube	NPT female	NPT	Product number
3/8"	1/8"	3/8"	95456503M
3/8"	1/8"	1/4"	95456504M
1/2"	1/8"	3/8"	95456501M
1/2"	1/4"	1/2"	95456502M



Note: Ports are threaded on side shown.

Union Tee

O/D tube	Product number
1/4"	94451404M
3/8"	94451406M
1/2"	94451407M
5/8"	94451408M



SAE 630401