

Straights Pg. 200-205
 Shapes Pg. 206-210
 Bulkheads Pg. 210-211
 Female Swivels Pg. 224-227
 O-Rint Fittings Pg. 227-230

Caution: 37° Degree flared fittings are not designed to provide structural support for either components.

CONFORMANCE

- SAE J514
- MS51500-MS51534
- Temperature Range" -65° F to +400° F

MATERIALS

- Steel - Carbon steel plated Zinc with yellow Dichromate per ASTM B633-98 (Type II SC-2).

WORKING PRESSURES

The following table lists the recommended working pressures for steel 37° flare hydraulic tube fittings manufactured in accordance with SAE standard J514. Many factors such as impulsing, vibration, mechanical shock and over tightening may affect the integrity of the fitting and swivel union connection. For these reasons, the recommended working pressures are actually lower than the capacity of the fittings. SAE recommends sufficient testing to be conducted to assure that performance levels will be safe and satisfactory, especially if installed in systems operating at elevated pressures or in severe conditions. When using fittings with different size or thread type, use the lower pressure rating of the two threads.

**SAE J514 37 DEGREE FLARED FITTINGS
PRESURE RATING**

Dash Size	NPTF Thread Size	4 TO 1 Minimum Burst PSI
-2	5/16-24	5000
-3	3/8-24	5000
-4	7/16-20	5000
-5	1/2-20	5000
-6	9/16-18	5000
-8	3/4-16	4500
-10	7/8-14	3500
-12	1-1/16-12	3500
-14	1-3/16-12	3000
-16	1-5/16-12	3000
-20	1-5/8-12	2500
-24	1-7/8-12	2000
-32	2-1/2-12	1500

Hydraulic Adapters

**37° FLARED FITTING
ASSEMBLY INSTRUCTIONS**

RECOMMENDED

- Step 1.** Inspect for possible contamination or damage from shipping or handling. Sealing surface should be smooth. Annular tool marks of (100uin) concentric with thread permissible.
- Step 2.** Lubricate the thread and the entire surface of cone with hydraulic fluid or other light weight lubricant.
- Step 3.** Align mating components for hand connection and turn flare nut until scaling surfaces make full contact.
- Step 4.** Torque nut to the values shown on the following table. If a wrench pad is provided next to nut, place a second wrench on pad to prevent flare from rotating while being torqued.
- Step 5.** When torquing nut onto a straight flared fitting, it may be necessary to also place a wrench on the flared fitting wrench pad to prevent it from turning during assembly.

ALTERNATE ASSEMBLY METHOD

- Step 1.** If torque method not possible, follow steps 1-3 above, then proceed to the steps below.
- Step 2.** Lightly wrench tighten the nut until there is firm resistance.
- Step 3.** Place a wrench on wrench pad next to nut as near the 6 o'clock position as possible.
- Step 4.** Place second wrench on nut as near the 3 o'clock position as possible.
- Step 5.** Turn nut clockwise to no less than the 4 o'clock position and no more than the 6 o'clock position. Require rotation generally decreases as size increases.

Dash Size	Flared Thread Size	Torque Foot/Lbs.
-2	5/16-24	6-7
-3	3/8-24	6-9
-4	7/16-20	9-12
-5	1/2-20	14-15
-6	9/16-18	18-20
-8	3/4-16	27-39
-10	7/8-14	36-63
-12	1-1/16-12	65-88
-14	1-3/16-12	75-103
-16	1-5/16-12	85-113
-20	1-5/8-12	115-133
-24	1-7/8-12	125-167
-32	2-1/2-12	190-258

WHY WET TOQUE?

Due to the difference in plating types and thickness, materials, and thread quality of different components, the coefficient of friction varies greatly on any given assembly. Lubrication not only produces a more consistent coefficient of friction, it increases clamping force on sealing area with less torque on the threads. Over tightening causes threads to yield, deform and lose their ability to maintain an adequate load of clamping force on the sealing area. Extended operation and severe conditions cause further yielding which results in leaks. Over tightening is the single greatest cause for leaks in metal to metal seat hydraulic connections. It is our firm position, that to not wet torque, is to compromise consistency and quality for convenience.



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PRESSURE RATING**

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-2	5/16-24	5000
-3	3/8-24	5000
-4	7/16-20	5000
-5	1/2-20	5000
-6	9/16-18	5000
-8	3/4-16	4500
-10	7/8-14	3500
-12	1-1/16-12	3500
-14	1-3/16-12	3000
-16	1-5/16-12	3000
-20	1-5/8-12	2500
-24	1-7/8-12	2000
-32	2-1/2-12	1500

Hydraulic

**37° FLARED FITTING
ASSEMBLY INSTRUCTIONS**

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-3	3/8-24	6-9
-4	7/16-20	9-12
-5	1/2-20	14-15
-6	9/16-18	18-20
-8	3/4-16	27-39
-10	7/8-14	36-63
-12	1-1/16-12	65-88
-14	1-3/16-12	75-103
-16	1-5/16-12	85-113
-20	1-5/8-12	115-133
-24	1-7/8-12	125-167
-32	2-1/2-12	190-258

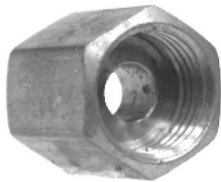
WHY WET TOQUE?

Due to the difference in plating types and thickness, materials, and thread quality of different components, the coefficient of friction varies greatly on any given assembly. Lubrication not only produces a more consistent coefficient of friction, it increases clamping force on sealing area with less torque on the threads. Over tightening causes threads to yield, deform and lose their ability to maintain an adequate load of clamping force on the sealing area. Extended operation and severe conditions cause further yielding which results in leaks. Over tightening is the single greatest cause for leaks in metal to metal seat hydraulic connections. It is our firm position, that to not wet torque, is to compromise consistency and quality for convenience.



**STEEL 37° JIC FLARE
TUBE FITTINGS**

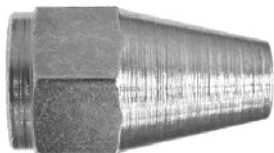
JIC SHORT TUBE NUT



Part #	Tube O.D.	JIC Thread Size
0302-4	1/4	7/16-20
0302-6	3/8	9/16-18
0302-8	1/2	3/4-16
0302-10	5/8	7/8-14
0302-12	3/4	1-1/16-12
0302-16	1	1-5/16-12

LONG JIC TUBE NUT

SAE 070111

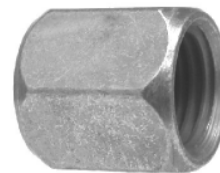


Part #	Tube O.D.	JIC Thread Size
818L-4	1/4	7/16-20
818L-5	5/16	1/2-20
818L-6	3/8	9/16-18
818L-8	1/2	3/4-16
818L-10	5/8	7/8-14
818L-12	3/4	1-1/16-12
818L-14	7/8	1-3/16-12
818L-16	1	1-5/16-12
818L-20	1-1/4	1-5/8-12
818L-24	1-1/2	1-7/8-12
818L-32	2	2-1/2-12

Also available in Stainless Steel

JIC CAP

SAE 070112
MS 51532



Part #	Tube O.D.	JIC Thread Size
820-02S	1/8	5/16-24
820-03S	3/16	3/8-24
820-04S	1/4	7/16-20
820-05S	5/16	1/2-20
820-06S	3/8	9/16-18
820-08S	1/2	3/4-16
820-10S	5/8	7/8-14
820-12S	3/4	1-1/6-12
820-14S	7/8	1-3/16-12
820-16S	1	1-5/16-12
820-20S	1-1/4	1-5/8-12
820-24S	1-1/2	1-7/8-12
820-32S	2	2-1/2-12

Also available in Stainless Steel

“The future’s always looked bleak till people with brains and faith and courage who dreamed and dared to takes risks found away to make it better. If we’re free to dare - and we are - then we’re free to give - and we are - then we’re free to shape the future and have within our grasp all that we dream that future will be.”

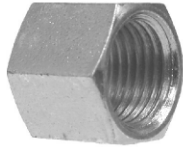
— President Ronald Reagan, 1981

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**JIC TUBE NUT
(SLEEVE REQUIRED)**

SAE 070110
MS 51531

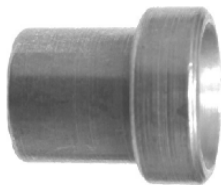


Part #	Tube O.D.	JIC Thread Size
818-02S	1/8	5/16-24
818-03S	3/16	3/8-24
818-04S	1/4	7/16-20
818-05S	5/16	1/2-20
818-06S	3/8	9/16-18
818-08S	1/2	3/4-16
818-10S	5/8	7/8-14
818-12S	3/4	1-1/6-12
818-14S	7/8	1-3/16-12
818-16S	1	1-5/16-12
818-20S	1-1/4	1-5/8-12
818-24S	1-1/2	1-7/8-12
818-32S	2	2-1/2-12

Also available in Stainless Steel

JIC TUBE SLEEVE

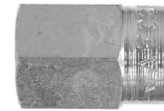
SAE 070115
MS 51533



Part #	Tube O.D.
819-02S	1/8
819-03S	3/16
819-04S	1/4
819-05S	5/16
819-06S	3/8
819-08S	1/2
819-10S	5/8
819-12S	3/4
819-14S	7/8
819-16S	1
819-20S	1-1/4
819-24S	1-1/2
819-32S	2

Also available in Stainless Steel

JIC FLARELESS TUBE NUT



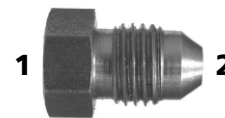
Part #	Tube O.D.	JIC Thread Size
V0318-3	3/16	3/8-24
V0318-4	1/4	7/16-20
V0318-5	5/16	1/2-20
V0318-6	3/8	9/16-18
V0318-8	1/2	3/4-16
V0318-10	5/8	7/8-14
V0318-12	3/4	1-1/6-12
V0318-16	1	1-5/16-12
V0318-20	1-1/4	1-5/8-12
V0318-24	1-1/2	1-7/8-12
V0318-32	2	2-1/2-12

JIC FLARELESS TUBE-SLEEVE



Part #	Tube O.D.
V0319-3	3/16
V0319-4	1/4
V0319-5	5/16
V0319-6	3/8
V0319-8	1/2
V0319-10	5/8
V0319-12	3/4
V0319-16	1
V0319-20	1-1/4
V0319-24	1-1/2
V0319-32	2

JIC BRAZE TUBE UNION



Part #	Braze Port 1	JIC Thread Size 2
0403-4	1/4	7/16-20
0403-6	3/8	9/16-18
0403-8	1/2	3/4-16
0403-10	5/8	7/8-14
0403-12	3/4	1-1/6-12
0403-14	7/8	1-3/16-12
0403-16	1	1-5/16-12
0403-20	1-1/4	1-5/8-12
0403-24	1-1/2	1-7/8-12
0403-32	2	2-1/2-12

Hydraulic Adapters

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JIC TUBE UNION

SAE 070101
MS 51501



Part #	Thread Size 1	Thread Size 2
815-02-02S	5/16-24	5/16-24
815-03-03S	3/8-24	3/8-24
815-04-04S	7/16-20	7/16-20
815-05-05S	1/2-20	1/2-20
815-06-06S	9/16-18	9/16-18
815-06-04S	9/16-18	7/16-20
815-06-05S	9/16-18	1/2-20
815-08-08S	3/4-16	3/4-16
815-08-04S	3/4-16	7/16-20
815-08-06S	3/4-16	9/16-18
815-10-10S	7/8-14	7/8-14
815-10-04S	7/8-14	7/16-20
815-10-06S	7/8-14	9/16-18
815-10-08S	7/8-14	3/4-16
815-12-12S	1-1/16-12	1-1/16-12
815-12-06S	1-1/16-12	9/16-18
815-12-08S	1-1/16-12	3/4-16
815-12-10S	1-1/16-12	7/8-14
815-14-14S	1-3/16-12	1-3/16-12
815-16-16S	1-5/16-12	1-5/16-12
815-16-10S	1-5/16-12	7/8-14
815-16-12S	1-5/16-12	1-1/16-12
815-20-20S	1-5/8-12	1-5/8-12
815-20-12S	1-5/8-12	1-1/16-12
815-20-16S	1-5/8-12	1-5/16-12
815-24-24S	1-7/8-12	1-7/8-12
815-24-20S	1-7/8-12	1-5/8-12
815-32-32S	2-1/2-12	2-1/2-12

Also available in Stainless Steel

JIC LARGE HEX TUBE UNION



Part #	Thread Size 1	Thread Size 2
815LH-04-04S	7/16-20	7/16-20
815LH-06-06S	9/16-18	9/16-18
815LH-08-08S	3/4-16	3/4-16
815LH-10-10S	7/8-14	7/8-14
815LH-12-12S	1-1/16-12	1-1/16-12
815LH-16-16S	1-5/16-12	1-5/16-12
815LH-20-20S	1-5/8-12	1-5/8-12

Also available in Stainless Steel

JIC MALE CONNECTOR

SAE 070102
MS 51500



Part #	JIC Thread Size 1	Male Pipe Thread
816-02-02S	5/16-24	1/8
816-02-04S	5/16-24	1/4
816-03-02S	3/8-24	1/8
816-03-04S	3/8-24	1/4
816-04-02S	7/16-20	1/8
816-04-04S	7/16-20	1/4
816-04-06S	7/16-20	3/8
816-04-08S	7/16-20	1/2
816-05-02S	1/2-20	1/8
816-05-04S	1/2-20	1/4
816-05-06S	1/2-20	3/8
816-06-02S	9/16-18	1/8
816-06-04S	9/16-18	1/4
816-06-06S	9/16-18	3/8
816-06-08S	9/16-18	1/2
816-06-12S	9/16-18	3/4
816-08-04S	3/4-16	1/4
816-08-06S	3/4-16	3/8
816-08-08S	3/4-16	1/2
816-08-12S	3/4-16	3/4
816-08-16S	3/4-16	1
816-10-04S	7/8-14	1/4
816-10-06S	7/8-14	3/8
816-10-08S	7/8-14	1/2
816-10-12S	7/8-14	3/4
816-10-16S	7/8-14	1
816-12-06S	1-1/16-12	3/8
816-12-08S	1-1/16-12	1/2
816-12-12S	1-1/16-12	3/4
816-12-16S	1-1/16-12	1
816-12-20S	1-1/16-12	1-1/4
816-14-12S	1-3/16-12	3/4
816-14-16S	1-3/16-12	1
816-16-12S	1-5/16-12	3/4
816-16-16S	1-5/16-12	1
816-16-20S	1-5/16-12	1-1/4
816-16-24S	1-5/16-12	1-1/2
816-20-12S	1-5/8-12	3/4
816-20-12S	1-5/8-12	1
816-20-20S	1-5/8-12	1-1/4
816-20-24S	1-5/8-12	1-1/2
816-24-16S	1-7/8-12	1
816-24-20S	1-7/8-12	1-1/4
816-24-24S	1-7/8-12	1-1/2
816-24-32S	1-7/8-12	2
816-32-16S	2-1/2-12	1
816-32-20S	2-1/2-12	1-1/4
816-32-24S	2-1/2-12	1-1/2
816-32-32S	2-1/2-12	2
816-40-40S	3-12	2-1/2

Also available in Stainless Steel



Hydraulic Adapters

JIC LONG MALE CONNECTOR

SAE 070102
MS 51500

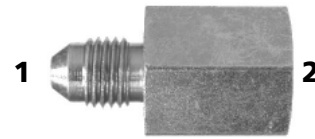


Part #	JIC Thread Size 1	Male Pipe Size 2	Length
816L-04-02S	7/17-20	1/8	1.81
816L-04-04S	7/16-20	1/4	2.35
816L-06-04S	9/16-18	1/4	2.35
816L-06-06S	9/16-18	3/8	2.50
816L-08-06S	3/4-16	3/8	2.75
816L-08-08S	3/4-16	1/2	3.13
816L-10-08S	7/8-14	1/2	3.13
816L-12-12S	1-1/16-12	3/4	3.50
816L-16-16S	1-5/16-12	1	4

Also available in Stainless Steel

JIC FEMALE CONNECTOR

SAE 070103
MS 51503



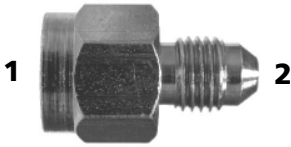
Part #	JIC Thread Size 1	Male Pipe Thread
854-02-02S	5/16-24	1/8
854-03-02S	3/8-24	1/8
854-03-04S	3/8-24	1/4
854-04-02S	7/16-20	1/8
854-04-04S	7/16-20	1/4
854-04-06S	7/16-20	3/8
854-05-02S	1/2-20	1/8
854-05-04S	1/2-20	1/4
854-06-02S	9/16-18	1/8
854-06-04S	9/16-18	1/4
854-06-06S	9/16-18	3/8
854-06-08S	9/16-18	1/2
854-08-04S	3/4-16	1/4
854-08-06S	3/4-16	3/8
854-08-08S	3/4-16	1/2
854-08-12S	3/4-16	3/4
854-10-06S	7/8-14	3/8
854-10-08S	7/8-14	1/2
854-10-12S	7/8-14	3/4
854-12-08S	1-1/16-12	1/2
854-12-12S	1-1/16-12	3/4
854-12-16S	1-1/16-12	1
854-14-12S	1-3/16-12	3/4
854-16-12S	1-5/16-12	3/4
854-16-16S	1-5/16-12	1
854-16-20S	1-5/16-12	1-1/4
854-20-20S	1-5/8-12	1-1/4
854-24-24S	1-7/8-12	1-1/2
854-32-32S	2-1/2-12	2

Also available in Stainless Steel

**Hydraulic
Adapters**



TUBE REDUCER/EXPANDER



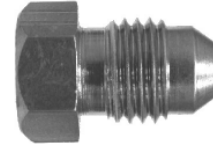
<i>Part #</i>	<i>Thread Size 1</i>	<i>Thread Size 2</i>
860-06-04S	9/16-18	7/16-20
860-06-05S	9/16-18	1/2-20
860-08-04S	3/4-16	7/16-20
860-08-06S	3/4-16	9/16-18
860-08-12S*	3/4-16	1-1/16-12
860-10-04S	7/8-14	7/16-20
860-10-06S	7/8-14	9/16-18
860-10-08S	7/8-14	3/4-16
860-12-04S	1-1/16-12	7/16-20
860-12-06S	1-1/16-12	9/16-18
860-12-08S	1-1/16-12	3/4-16
860-12-10S	1-1/16-12	7/8-14
860-12-16S*	1-1/16-12	1-5/16-12
860-14-06S	1-3/16-12	9/16-18
860-14-08S	1-3/16-12	3/4-16
860-14-10S	1-3/16-12	7/8-14
860-14-12S	1-3/16-12	1-1/16-12
860-16-04S	1-5/16-12	7/16-20
860-16-06S	1-5/16-12	9/16-18
860-16-08S	1-5/16-12	3/4-16
860-16-10S	1-5/16-12	7/8-14
860-16-12S	1-5/16-12	1-1/16-12
860-16-14S	1-5/16-12	1-3/16-12
860-16-20S*	1-5/16-12	1-5/8-12
860-20-08S	1-5/8-12	3/4-16
860-20-12S	1-5/8-12	1-1/16-12
860-20-16S	1-5/8-12	1-5/16-12
860-24-16S	1-7/8-12	1-5/8-12
860-32-24S	2-1/2-12	1-7/8-12

**Tube Expander*
Special Jump sizes also available

Send DFBurnham all your high volume quotes!

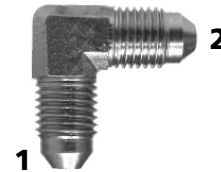
PLUG

SAE 070109
MS 51518



<i>Part #</i>	<i>Tube O.D.</i>	<i>JIC Thread Size</i>
806-02S	1/8	5/16-24
806-03S	3/16	3/8-24
806-04S	1/4	7/16-20
806-05S	5/16	1/2-20
806-06S	3/8	9/16-18
806-08S	1/2	3/4-16
806-10S	5/8	7/8-14
806-12S	3/4	1-1/6-12
806-14S	7/8	1-3/16-12
806-16S	1	1-5/16-12
806-20S	1-1/4	1-5/8-12
806-24S	1-1/2	1-7/8-12
806-32S	2	2-1/2-12

JIC UNION ELBOW



<i>Part #</i>	<i>Thread Size 1</i>	<i>Thread Size 2</i>
821-02-02S	5/16-24	5/16-24
821-03-03S	3/8-24	3/8-24
821-04-04S	7/16-20	7/16-20
821-05-05S	1/2-20	1/2-20
821-06-06S	9/16-18	9/16-18
821-06-04S	9/16-18	7/16-20
821-08-08S	3/4-16	3/4-16
821-08-04S	3/4-16	7/16-20
821-08-06S	3/4-16	9/16-18
821-10-10S	7/8-14	7/8-14
821-10-08S	7/8-14	3/4-16
821-12-12S	1-1/16-12	1-1/16-12
821-12-08S	1-1/16-12	3/4-16
821-14-14S	1-3/16-12	1-3/16-12
821-16-16S	1-5/16-12	1-5/16-12
821-16-12S	1-5/16-12	1-1/16-12
821-20-20S	1-5/8-12	1-5/8-12
821-24-24S	1-7/8-12	1-7/8-12
821-32-32S	2-1/2-12	2-1/2-12

Also available in Stainless Steel
More sizes available



SHAPES STEEL 37° JIC FLARE

JIC MALE ELBOW

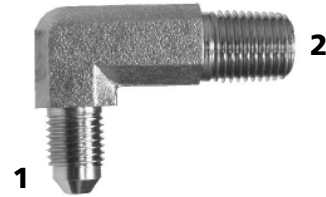


Part #	JIC Thread Size 1	Male Pipe Size 2
822-02-02S	5/16-24	1/8
822-02-04S	5/16-24	1/4
822-03-02S	3/8-24	1/8
822-03-04S	3/8-24	1/4
822-04-02S	7/16-20	1/8
822-04-04S	7/16-20	1/4
822-04-06S	7/16-20	3/8
822-04-08S	7/16-20	1/2
822-05-02S	1/2-20	1/8
822-05-04S	1/2-20	1/4
822-05-06S	1/2-20	3/8
822-06-02S	9/16-18	1/8
822-06-04S	9/16-18	1/4
822-06-06S	9/16-18	3/8
822-06-08S	9/16-18	1/2
822-06-12S	9/16-18	3/4
822-08-04S	3/4-16	1/4
822-08-06S	3/4-16	3/8
822-08-08S	3/4-16	1/2
822-08-12S	3/4-16	3/4
822-08-16S	3/4-16	1
822-10-06S	7/8-14	3/8
822-10-08S	7/8-14	1/2
822-10-12S	7/8-14	3/4
822-10-16S	7/8-14	1
822-12-06S	1-1/16-12	3/8
822-12-08S	1-1/16-12	1/2
822-12-12S	1-1/16-12	3/4
822-12-16S	1-1/16-12	1
822-12-20S	1-1/16-12	1-1/4
822-14-12S	1-3/16-12	3/4
822-14-16S	1-3/16-12	1
822-16-12S	1-5/16-12	3/4
822-16-16S	1-5/16-12	1
822-16-20S	1-5/16-12	1-1/4
822-20-16S	1-5/8-12	1
822-20-20S	1-5/8-12	1-1/4
822-20-24S	1-5/8-12	1-1/2
822-24-20S	1-7/8-12	1-1/4
822-24-24S	1-7/8-12	1-1/2
822-24-32S	1-7/8-12	2
822-32-24S	2-1/2-12	1-1/2
822-32-32S	2-1/2-12	2
822-40-40S	3-12	2-1/2

Also available in Stainless Steel

LONG MALE ELBOW

SAE071502



Part #	Thread Size 1	Thread Size 2	Length
877-04-02S	7/16-20	1/8	1.17"
877-04-04S	7/16-20	1/4	1.58"
877-05-02S	1/2-20	1/8	1.22"
877-05-04S	1/2-20	1/4	1.55"
877-06-02S	9/16-18	1/8	1.58"
877-06-04S	9/16-18	1/4	1.58"
877-06-06S	9/16-18	3/8	1.83"
877-08-04S	3/4-16	1/4	1.83"
877-08-06S	3/4-16	3/8	1.83"
877-08-08S	3/4-16	1/2	2.17"
877-10-08S	7/8-14	1/2	2.17"
877-12-08S	1-1/16-12	1/2	2.24"
877-12-12S	1-1/16-12	3/4	2.44"
877-14-12S	1-3/16-12	3/4	2.66"
877-16-16S	1-5/16-12	1	3.02"
877-20-20S	1-5/8-12	1-1/4	3.69"
877-24-24S	1-7/8-12	1-1/2	4.11"

Also available in Stain Steel

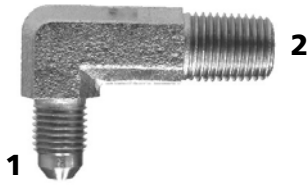
*Send DFBurnham and Company
all your high volume quotes!*

**Remember, half the people you
know are below average.**

**Hydraulic
Adapters**

JIC EXTRA-LONG MALE ELBOW

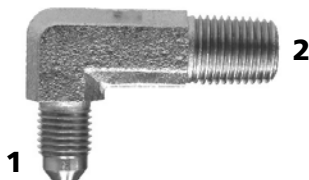
SAE140130



Part #	Thread Size 1	Thread Size 2	Length
878-04-02S	7/16-20	1/8	1.56"
878-04-04S	7/16-20	1/4	2.11"
878-05-02S	1/2-20	1/8	1.63"
878-05-04S	1/2-20	1/4	2.04"
878-06-02S	9/16-18	1/8	2.04"
878-06-04S	9/16-18	1/4	2.08"
878-06-06S	9/16-18	3/8	2.44"
878-08-04S	3/4-16	1/4	2.42"
878-08-06S	3/4-16	3/8	2.42"
878-08-08S	3/4-16	1/2	2.88"
878-10-08S	7/8-14	1/2	2.88"
878-12-08S	1-1/16-12	1/2	3.25"
878-12-12S	1-1/16-12	3/4	3.28"
878-14-12S	1-3/16-12	3/4	3.63"
878-16-16S	1-5/16-12	1	4.05"
878-20-20S	1-5/8-12	1-1/4	5.00"
878-24-24S	1-7/8-12	1-1/2	5.50"

**JIC EXTRA EXTRA LONG
MALE ELBOW**

SAE071502



Part #	Thread Size 1	Thread Size 2	Length
2501-LLL-4-2	7/16-20	1/8	2.31"
2501-LLL-4-4	7/16-20	1/4	3.00"
2501-LLL-6-4	9/16-18	1/4	3.06"
2501-LLL-6-6	9/16-18	3/8	3.06"
2501-LLL-8-6	3/4-16	3/8	3.75"
2501-LLL-8-8	3/4-16	1/2	3.75"
2501-LLL-10-8	7/8-14	1/2	4.50"
2501-LLL-12-12	1-1/16-12	3/4	5.03"
2501-LLL-01-16	1-5/16-12	1	6.34"

Hard Work pays off in the future.
Laziness pays off now.

JIC MALE ELBOW SWIVEL

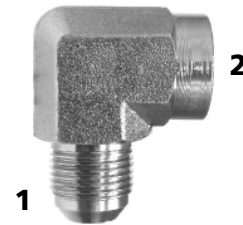
• Swivel for
Installation
Only



Part #	JIC Thread Size 1	Male Pipe Size 2
624-S-4-4	7/16-20	1/4
624-S-6-4	9/16-18	1/4
624-S-6-6	9/16-18	3/8
624-S-8-6	3/4-16	3/8
624-S-8-8	3/4-16	1/2
624-S-10-8	7/8-14	1/2
624-S-12-12	1-1/16-12	3/4

JIC FEMALE ELBOW

SAE 070203
MS 51506



Part #	JIC Thread Size 1	Female Pipe Thread
855-04-02S	7/16-20	1/8
855-04-04S	7/16-20	1/4
855-04-06S	7/16-20	3/8
855-05-02S	1/2-20	1/8
855-05-04S	1/2-20	1/4
855-06-02S	9/16-18	1/8
855-06-04S	9/16-18	1/4
855-06-06S	9/16-18	3/8
855-06-08S	9/16-18	1/2
855-08-04S	3/4-16	1/4
855-08-06S	3/4-16	3/8
855-08-08S	3/4-16	1/2
855-08-12S	3/4-16	3/4
855-10-06S	7/8-14	3/8
855-10-08S	7/8-14	1/2
855-12-08S	1-1/16-12	1/2
855-12-12S	1-1/16-12	3/4
855-14-12S	1-3/16-12	3/4
855-16-12S	1-5/16-12	3/4
855-16-16S	1-5/16-12	1
855-20-20S	1-5/8-12	1-1/4
855-24-24S	1-7/8-12	1-1/2
855-32-32S	2-1/2-12	2

Also available in Stainless Steel

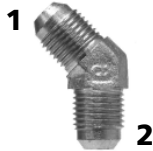


JIC MALE 45° ELBOW



Part #	JIC Thread	Male Pipe
	Size 1	Size 2
823-02-02S	5/16-24	1/8
823-03-02S	3/8-24	1/8
823-04-02S	7/16-20	1/8
823-04-04S	7/16-20	1/4
823-04-06S	7/16-20	3/8
823-05-02S	1/2-20	1/8
823-05-04S	1/2-20	1/4
823-06-02S	9/16-18	1/8
823-06-04S	9/16-18	1/4
823-06-06S	9/16-18	3/8
823-06-08S	9/16-18	1/2
823-06-12S	9/16-18	3/4
823-08-04S	3/4-16	1/4
823-08-06S	3/4-16	3/8
823-08-08S	3/4-16	1/2
823-08-12S	3/4-16	3/4
823-10-06S	7/8-14	3/8
823-10-08S	7/8-14	1/2
823-10-12S	7/8-14	3/4
823-12-06S	1-1/16-12	3/8
823-12-08S	1-1/16-12	1/2
823-12-12S	1-1/16-12	3/4
823-12-16S	1-1/16-12	1
823-14-12S	1-3/16-12	3/4
823-16-12S	1-5/16-12	3/4
823-16-16S	1-5/16-12	1
823-16-20S	1-5/16-12	1-1/4
823-20-16S	1-5/8-12	1
823-20-20S	1-5/8-12	1-1/4
823-24-24S	1-7/8-12	1-1/2
823-32-32S	2-1/2-12	2
823-40-40S	3-12	2-1/2

JIC 45° UNION ELBOW



Part #	JIC Thread	JIC Thread
	Size 1	Size 2
2504-6	9/16-18	9/16-18
2504-8	3/4-16	3/4-16
2504-10	7/8-14	7/8-14
2504-12	1-1/16-12	1-1/16-12
2504-16	1-5/16-12	1-5/16-12
2504-20	1-5/8-12	1-5/8-12

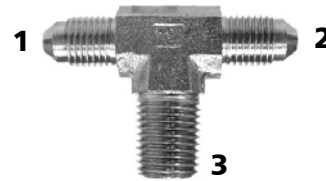
JIC 45° UNION ELBOW



Part #	JIC Thread	Female Pipe
	Size 1	Size 2
2504-6-4	9/16-18	1/4
2504-8-6	3/4-16	3/8
2504-10-8	7/8-14	1/2
2504-12-12	1-1/16-12	3/4

More sizes available

JIC MALE BRANCH TEE



Part #	JIC Thread	Pipe Thread
	Size 1 & 2	Size 3
825-02-02S	5/16-24	1/8
825-03-02S	3/8-24	1/8
825-04-02S	7/16-20	1/8
825-04-04S	7/16-20	1/4
825-05-02S	1/2-20	1/8
825-05-04S	1/2-20	1/4
825-06-04S	9/16-18	1/4
825-06-06S	9/16-18	3/8
825-08-04S	3/4-16	1/4
825-08-06S	3/4-16	3/8
825-08-08S	3/4-16	1/2
825-10-06S	7/8-14	3/8
825-10-08S	7/8-14	1/2
825-12-08S	1-1/16-12	1/2
825-12-12S	1-1/16-12	3/4
825-14-12S	1-3/16-12	3/4
825-16-12S	1-5/16-12	3/4
825-16-16S	1-5/16-12	1
825-20-20S	1-5/8-12	1-1/4
825-24-24S	1-7/8-12	1-1/2
825-32-32S	2-1/2-12	2

Also available in Stainless Steel

JIC FEMALE BRANCH TEE

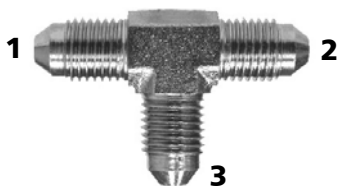


Part #	JIC Thread Size 1 & 2	Pipe Thread Size 3
856-02-02S	5/16-24	1/8
856-03-02S	3/8-24	1/8
856-04-02S	7/16-20	1/8
856-04-04S	7/16-20	1/4
856-05-02S	1/2-20	1/8
856-06-04S	9/16-18	1/4
856-06-06S	9/16-18	3/8
856-08-06S	3/4-16	3/8
856-08-08S	3/4-16	1/2
856-10-08S	7/8-14	1/2
856-12-08S	1-1/16-12	1/2
856-12-12S	1-1/16-12	3/4
856-14-12S	1-3/16-12	3/4
856-16-16S	1-5/16-12	1
856-20-20S	1-5/8-12	1-1/4
856-24-24S	1-7/8-12	1-1/2
856-32-32S	2-1/2-12	2

Also available in Stainless Steel

JIC UNION TEE

SAE 070401
MS 51510

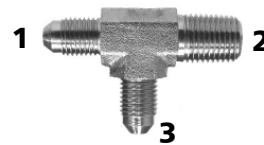


Part #	Thread Size 1 & 2	Thread Size 3
824-02S	5/16-24	5/16-24
824-03S	3/8-24	3/8-24
824-04S	7/16-20	7/16-20
824-05S	1/2-20	1/2-20
824-06S	9/16-18	9/16-18
824-08S	3/4-16	3/4-16
824-10S	7/8-14	7/8-14
824-12S	1-1/16-12	1-1/16-12
824-14S	1-3/16-12	1-3/16-12
824-16S	1-5/16-12	1-5/16-12
824-20S	1-5/8-12	1-5/8-12
824-24S	1-7/8-12	1-7/8-12
824-32S	2-1/2-12	2-1/2-12

*More reducing sizes available
Also available in Stainless Steel*

JIC MALE RUN TEE

SAE 070424
MS 51511

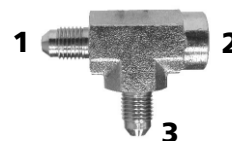


Part #	JIC Thread Size 1 & 3	Male Pipe Size 2
826-02-02S	5/16-24	1/8
826-03-02S	3/8-24	1/8
826-04-02S	7/16-20	1/8
826-04-04S	7/16-20	1/4
826-05-02S	1/2-20	1/8
826-05-04S*	1/2-20	1/4
826-06-04S	9/16-18	1/4
826-06-06S	9/16-18	3/8
826-08-04S	3/4-16	1/4
826-08-06S	3/4-16	3/8
826-08-08S	3/4-16	1/2
826-10-06S*	7/8-14	3/8
826-10-08S	7/8-14	1/2
826-12-08S	1-1/16-12	1/2
826-12-12S	1-1/16-12	3/4
826-14-12S	1-3/16-12	3/4
826-16-12S*	1-5/16-12	3/4
826-16-16S	1-5/16-12	1
826-20-20S	1-5/8-12	1-1/4
826-24-24S	1-7/8-12	1-1/2
826-32-32S	2-1/2-12	2

**Braze-on Style*

*Also available in Stainless Steel.
More sizes available*

JIC FEMALE RUN TEE

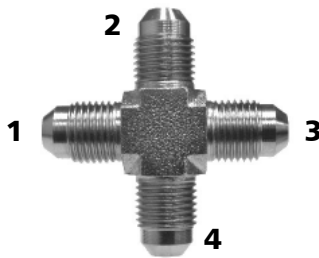


Part #	JIC Thread Size 1 & 2	Pipe Thread Size 3
857-03-02S	3/8-24	1/8
857-04-02S	7/16-20	1/8
857-04-04S	7/16-20	1/4
857-05-02S	1/2-20	1/8
857-05-04S	1/2-20	1/4
857-06-04S	9/16-18	1/4
857-06-06S	9/16-18	3/8
857-08-06S	3/4-16	3/8
857-08-08S	3/4-16	1/2
857-10-08S	7/8-14	1/2
857-12-08S	1-1/16-12	1/2
857-12-12S	1-1/16-12	3/4
857-14-12S	1-3/16-12	3/4
857-16-16S	1-5/16-12	1
857-20-20S	1-5/8-12	1-1/4
857-24-24S	1-7/8-12	1-1/2
857-32-32S	2-1/2-12	2

Send DFBurnham all your high volume quotes!



JIC UNION CROSS



Part #	Thread Size 1 & 2	Thread Size 3 & 4
827-04S	7/16-20	7/16-20
827-05S	1/2-20	1/2-20
827-06S	9/16-18	9/16-18
827-08S	3/4-16	3/4-16
827-10S	7/8-14	7/8-14
827-12S	1-1/16-12	1-1/16-12
827-14S	1-3/16-12	1-3/16-12
827-16S	1-5/16-12	1-5/16-12
827-20S	1-5/8-12	1-5/8-12
827-24S	1-7/8-12	1-7/8-12

More sizes available

BULKHEAD LOCK NUT

SAE 070118
MS 51860

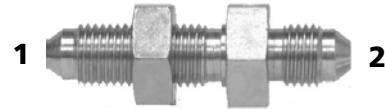


Part #	Tube O.D.	Thread Size
924-04S	1/4	7/16-20
924-05S	5/16	1/2-20
924-06S	3/8	9/16-18
924-08S	1/2	3/4-16
924-10S	5/8	7/8-14
924-12S	3/4	1-1/16-12
924-14S	7/8	1-3/16-12
924-16S	1	1-5/16-12
924-20S	1-1/4	1-5/8-12
924-24S	1-1/2	1-7/8-12
924-32S	2	2-1/2-12

STEEL BULKHEAD FITTINGS

JIC BULKHEAD UNION

SAE 070601
MS 51520

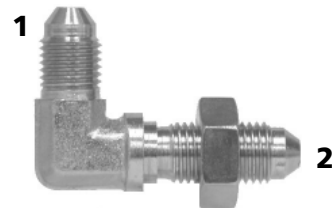


Part #	Thread Size 1	Bulkhead Size 2
832-04-04S	7/16-20	7/16-20
832-05-05S	1/2-20	1/2-20
832-06-06S	9/16-18	9/16-18
832-08-08S	3/4-16	3/4-16
832-10-10S	7/8-14	7/8-14
832-12-12S	1-1/16-12	1-1/16-12
832-14-14S	1-3/16-12	1-3/16-12
832-16-16S	1-5/16-12	1-5/16-12
832-20-20S	1-5/8-12	1-5/8-12
832-24-24S	1-7/8-12	1-7/8-12
832-32-32S	2-1/2-12	2-1/2-12

Also available in Stainless Steel

JIC BULKHEAD UNION ELBOW

SAE 070701
MS 51507



Part #	Thread Size 1	Bulkhead Thread 2
833-04-04S	7/16-20	7/16-20
833-05-05S	1/2-20	1/2-20
833-06-06S	9/16-18	9/16-18
833-08-08S	3/4-16	3/4-16
833-10-10S	7/8-14	7/8-14
833-12-12S	1-1/16-12	1-1/16-12
833-14-14S	1-3/16-12	1-3/16-12
833-16-16S	1-5/16-12	1-5/16-12
833-20-20S	1-5/8-12	1-5/8-12
833-24-24S	1-7/8-12	1-7/8-12

Also available in Stainless Steel

Lock Nut not included on above parts

**Hydraulic
Adapters**



JIC BULKHEAD UNION 45° ELBOW

SAE 070801
MS 51509



Part #	Thread		Bulkhead Thread 2
	Size 1	Size 2	
837-04-04S	7/16-20	7/16-20	7/16-20
837-05-05S	1/2-20	1/2-20	1/2-20
837-06-06S	9/16-18	9/16-18	9/16-18
837-08-08S	3/4-16	3/4-16	3/4-16
837-10-10S	7/8-14	7/8-14	7/8-14
837-12-12S	1-1/16-12	1-1/16-12	1-1/16-12
837-14-14S	1-3/16-12	1-3/16-12	1-3/16-12
837-16-16S	1-5/16-12	1-5/16-12	1-5/16-12
837-20-20S	1-5/8-12	1-5/8-12	1-5/8-12
837-24-24S	1-7/8-12	1-7/8-12	1-7/8-12

Also available in Stainless Steel

JIC BULKHEAD BRANCH TEE

SAE 070959
MS 51515

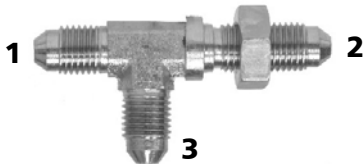


Part #	Thread		Bulkhead Thread 3
	Size 1 & 2	Size 3	
834-04-04S	7/16-20	7/16-20	7/16-20
834-05-05S	1/2-20	1/2-20	1/2-20
834-06-06S	9/16-18	9/16-18	9/16-18
834-08-08S	3/4-16	3/4-16	3/4-16
834-10-10S	7/8-14	7/8-14	7/8-14
834-12-12S	1-1/16-12	1-1/16-12	1-1/16-12
834-16-16S	1-5/16-12	1-5/16-12	1-5/16-12
834-20-20S	1-5/8-12	1-5/8-12	1-5/8-12
834-24-24S	1-7/8-12	1-7/8-12	1-7/8-12
834-32-32S	2-1/2-12	2-1/2-12	2-1/2-12

Also available in Stainless Steel

JIC BULKHEAD RUN TEE

SAE 070958
MS 51516



Part #	Thread		Bulkhead Thread 2
	Size 1 & 3	Size 2	
835-04-04S	7/16-20	7/16-20	7/16-20
835-06-06S	9/16-18	9/16-18	9/16-18
835-08-08S	3/4-16	3/4-16	3/4-16
835-10-10S	7/8-14	7/8-14	7/8-14
835-12-12S	1-1/16-12	1-1/16-12	1-1/16-12
835-16-16S	1-5/16-12	1-5/16-12	1-5/16-12

*More Sizes available
Also available in Stainless Steel*

JIC TO FEMALE PIPE BULKHEAD



Part #	Thread		Female Pipe Size 2
	Size 1	Size 2	
831-04-02S	7/16-20	7/16-20	1/8
831-04-04S	7/16-20	7/16-20	1/4
831-05-02S	1/2-20	1/2-20	1/8
831-06-04S	9/16-18	9/16-18	1/4
831-06-06S	9/16-18	9/16-18	3/8
831-08-06S	3/4-16	3/4-16	3/8
831-08-08S	3/4-16	3/4-16	1/2
831-10-08S	7/8-14	7/8-14	1/2
831-12-12S	1-1/16-12	1-1/16-12	3/4
831-14-12S	1-3/16-12	1-3/16-12	3/4
831-16-16S	1-5/16-12	1-5/16-12	1
831-20-20S	1-5/8-12	1-5/8-12	1-1/4
831-24-24S	1-7/8-12	1-7/8-12	1-1/2
831-32-32S	2-1/2-12	2-1/2-12	2

Also available in Stainless Steel

JIC TO MALE PIPE BULKHEAD



Part #	Bulkhead Thread		Pipe Thread 2
	Thread 1	Thread 3	
840-04-02S	7/16-20	7/16-20	1/8
840-04-04S	7/16-20	7/16-20	1/4
840-06-04S	9/16-18	9/16-18	1/4
840-06-06S	9/16-18	9/16-18	3/8
840-08-06S	3/4-16	3/4-16	3/8
840-08-08S	3/4-16	3/4-16	1/2
840-10-08S	7/8-14	7/8-14	1/2
840-12-12S	1-1/16-12	1-1/16-12	3/4
840-16-16S	1-5/16-12	1-5/16-12	1
840-20-20S	1-5/8-12	1-5/8-12	1-1/4
840-24-24S	1-7/8-12	1-7/8-12	1-1/2
840-32-32S	2-1/2-12	2-1/2-12	2

MALE PIPE BULKHEAD



Part #	JIC Thread		Pipe Thread Size 3
	Size 1 & 2	Size 3	
2708-4-4	7/16-20	7/16-20	1/4
2708-6-6	9/16-18	9/16-18	3/8
2708-8-8	3/4-16	3/4-16	1/2
2708-12-12	1-1/16-12	1-1/16-12	3/4

Lock Nuts not included for any of the above parts.

Hydraulic Adapters

