



*Air-Way Manufacturing Company*

# Stainless Steel Fittings

J.I.C.-S.A.E.  
Standard - Jumpsizes - Special



# Tube Fittings

Refer to "Tube Fittings, JIC-SAE" Chart for sizes

**NOTE:**  
Also available in FLARE-O® and  
O-Ring Face Seal Styles.

 <b>SS302 Short Nut</b>	(070111)  <b>SS304 Standard Nut</b>	(070112)  <b>SS304-C Cap Nut</b>	(070118)  <b>SS306-LN Bulkhead Lock Nut</b>	(070117)  <b>SS306-N Adjustable Lock Nut</b>	(070110)  <b>SS318 Tube Nut</b>	(070115)  <b>SS319 Tube Sleeve</b>
(070101)  <b>SS2403 Str.</b> (1 & 2) Male Tube Union	(070119)  <b>SS2403-LH Str.</b> (1 & 2) Male Tube Union Large Hex	(070102)  <b>SS2404 Str.</b> (1) Male Tube (2) Male Pipe	(070102L)  <b>SS2404-L Str.</b> (1) Male Tube (2) Male Pipe-Long	 <b>SS2404-LL Str.</b> (1) Male Tube (2) Male Pipe-Ex-Long	 <b>SS2404-LLL Str.</b> (1) Male Tube (2) Male Pipe-Ex-Ex-Long	(070103)  <b>SS2405 Str.</b> (1) Male Tube (2) Female Pipe
(070123)  <b>SS2406 Str. Reducer</b> (1) 37° Female (2) Male Tube	(070123)  <b>SS2407 Str. Reducer</b> (1) 37° Female (2) Male Tube	(070109)  <b>SS2408 Plug - Ext. Hex</b> (1) Male Tube	(070201)  <b>SS2500 90°</b> (1 & 2) Male Tube	(070202)  <b>SS2501 90°</b> (1) Male Tube (2) Male Pipe	(070203)  <b>SS2502 90°</b> (1) Male Tube (2) Female Pipe	(070302)  <b>SS2503 45°</b> (1) Male Tube (2) Male Pipe
 <b>SS2504 45°</b> (1 & 2) Male Tube	(070425)  <b>SS2601 Tee</b> (1 & 2) Male Tube (3) Male Pipe	(070427)  <b>SS2602 Tee</b> (1 & 2) Male Tube (3) Female Pipe	(070401)  <b>SS2603 Tee</b> (1, 2 & 3) Male Tube	(070424)  <b>SS2605 Tee</b> (1 & 3) Male Tube (2) Male Pipe	(070426)  <b>SS2606 Tee</b> (1 & 3) Male Tube (2) Female Pipe	 <b>SS2607 Tee</b> (1) Male Tube (2 & 3) Male Pipe
(070434)  <b>SS2608 Tee</b> (1) Male Tube (2) Female Pipe (3) Male Pipe	 <b>SS2609 Tee</b> (1) Male Tube (2 & 3) Female Pipe	 <b>SS2610 Tee</b> (1 & 2) Male Pipe (3) Male Tube	 <b>SS2612 Tee</b> (1 & 2) Female Pipe (3) Male Tube	(070501)  <b>SS2650 Cross</b> (1, 2, 3 & 4) Male Tube	 <b>SS2651 Cross</b> (1, 2 & 3) Male Tube (4) Male Pipe	 <b>SS2653 Cross</b> (1 & 2) Male Tube (3 & 4) Male Pipe
 <b>SS2654 Cross</b> (1 & 3) Male Tube (2 & 4) Male Pipe	(070601)  <b>SS2700-LN Str.</b> (1) Male Tube (2) Bulkhead	(070701)  <b>SS2701-LN 90°</b> (1) Male Tube (2) Bulkhead	(070801)  <b>SS2702-LN 45°</b> (1) Male Tube (2) Bulkhead	(070959)  <b>SS2703-LN Tee</b> (1 & 2) Male Tube (3) Bulkhead	(070958)  <b>SS2704-LN Tee</b> (1 & 3) Male Tube (2) Bulkhead	 <b>SS2705-LN Str.</b> (1) Female Pipe (2) Bulkhead
 <b>SS2706-LN Str.</b> (1) Male Pipe (2) Bulkhead	(430160)  <b>SS4404 Str.</b> (1) Beaded (2) Male Pipe	(070221)  <b>SS6500-90°</b> (1) Male Tube (2) 37° Female Swivel	 <b>SS6501 90°</b> (1) Male Pipe (2) 37° Female Swivel	 <b>SS6502 45°</b> (1) Male Tube (2) 37° Female Swivel	 <b>SS6503 90°</b> (1) Female Pipe (2) 37° Female Swivel	 <b>SS6504 Str.</b> (1) Male Tube (2) 37° Female Swivel
 <b>SS6505 Str.</b> (1) Male Pipe (2) 37° Female Swivel	 <b>SS6506 Str.</b> (1) Female Pipe (2) 37° Female Swivel	 <b>SS6565 Str.</b> (1 & 2) 37° Female Swivel	(070433)  <b>SS6600 Tee</b> (1 & 2) Male Tube (3) 37° Female Swivel	(070432)  <b>SS6602 Tee</b> (1 & 3) Male Tube (2) 37° Female Swivel		

# Braze Fittings for Tubing

Refer to "Tube Fittings, JIC-SAE" Chart for sizes

**NOTE:**  
Also available in FLARE-O® and O-Ring Face Seal Styles.

 <b>SS403 Str.</b> (1) Bore (2) Male Tube	 <b>SS404 Str.</b> (1) Bore (2) Male Pipe	 <b>SS500 90°</b> (1) Bore (2) Male Tube	 <b>SS600 Tee</b> (1 & 2) Bore (3) Male Tube	 <b>SS601 Tee</b> (1 & 2) Bore (3) Male Pipe	 <b>SS603 Tee</b> (1, 2 & 3) Bore	 <b>SS702 Tee</b> (1) Bore (2 & 3) Male Tube
 <b>SS800 Str.</b> (1) Bore (2) Female Pipe Swivel	 <b>SS801 90°</b> (1) Bore (2) Female Pipe Swivel	 <b>SS802 Tee</b> (1 & 2) Bore (3) Female Pipe Swivel	 <b>SS900 Str.</b> (1) Bore (2) 37° Female Swivel	 <b>SS901 90°</b> (1) Bore (2) 37° Female Swivel	 <b>SS902 Tee</b> (1) Bore (2 & 3) 37° Female Swivel	

# Adjustable & O-Ring Fittings

Refer to "Tube Fittings, JIC-SAE" Chart for sizes

 <b>SS4604-0 Str.</b> (1) Beaded (2) Male O-Ring	 <b>SS6400-0 Str.</b> (1) Male Tube (2) Male O-Ring	 <b>SS6400-L-0 Str.</b> (1) Male Tube (2) Male O-Ring-Long	 <b>SS6400-LL-0 Str.</b> (1) Male Tube (2) Male O-Ring-Ex-Long	 <b>SS6400-LLL-0 Str.</b> (1) Male Tube (2) Male O-Ring-Ex-Ex-Long	 <b>SS6401-0 Str.</b> (1) Male O-Ring (2) Male Pipe	 <b>SS6402-0 Str.</b> (1) Male O-Ring (2) 37° Female Swivel
 <b>SS6404 Str.</b> (1) Female O-Ring (2) Male Pipe	 <b>SS6405-0 Str.</b> (1) Male O-Ring (2) Female Pipe	 <b>SS6407-NWO Str.</b> (1) Male O-Ring (2) Adjustable O-Ring	 <b>SS6408-0 Plug - Ext. Hex</b> (1) Male O-Ring	 <b>SS6409-0 Plug - Int. Hex</b> (1) Male O-Ring	 <b>SS6410-0 Str.</b> (1) Male O-Ring (2) Female O-Ring	 <b>SS6801-NWO 90°</b> (1) Male Tube (2) Adjustable O-Ring
 <b>SS6802-NWO 45°</b> (1) Male Tube (2) Adjustable O-Ring	 <b>SS6803-NWO Tee</b> (1 & 2) Male Tube (3) Adjustable O-Ring	 <b>SS6804-NWO Tee</b> (1 & 3) Male Tube (2) Adjustable O-Ring	 <b>SS6805-NWO 90°</b> (1) Adjustable O-Ring (2) Female Pipe	 <b>SS6900-0 Str.</b> (1) Male O-Ring (2) Female Pipe Swivel	 <b>SS6901-NWO 90°</b> (1) Adjustable O-Ring (2) Female Pipe Swivel	

# Tube Fittings, JIC-SAE

Dash Number	2	3	4	5	6	8	10	12	14	16	18	20	24	32
Tube O.D.	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2	2
Decimal	.125	.188	.250	.313	.375	.500	.625	.750	.875	1.000	1.125	1.250	1.500	2.000
M.M. Equivalent	3.175	4.763	6.350	7.938	9.525	12.700	15.875	19.050	22.225	25.400	28.575	31.750	38.100	50.800
Straight Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-3/16-12	1-5/16-12	1-1/2-12	1-5/8-12	1-7/8-12	2-1/2-12
Decimal-threads/inch	.313	.375	.438	.500	.563	.750	.875	1.063	1.188	1.313	1.500	1.625	1.875	2.500
	-24	-24	-20	-20	-18	-16	-14	-12	-12	-12	-12	-12	-12	-12
M.M. Equivalent	7.938	9.525	11.113	12.700	14.288	19.050	22.225	26.988	30.163	33.338	38.100	41.275	47.625	63.500
	-24	-24	-20	-20	-18	-16	-14	-12	-12	-12	-12	-12	-12	-12
Pipe Thread Standard	1/8	1/8	1/8	1/8	1/4	3/8	1/2	3/4	3/4	1	1	1-1/4	1-1/2	2
Decimal	.125	.125	.125	.125	.250	.375	.500	.750	.750	1.000	1.000	1.250	1.500	2.000
M.M. Equivalent	3.175	3.175	3.175	3.175	6.350	9.525	12.700	19.050	19.050	25.400	25.400	31.750	38.100	50.800

# Adapter Unions & Pipe Fittings

Dash Number	2	4	6	8	12	16	20	24	32
Pipe Th'd									
NPSM - NPTF	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Decimal	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000
M.M. Equivalent	3.175	6.350	9.525	12.700	19.050	25.400	31.750	38.100	50.800

# Adapter Unions

Refer to "Adapter Unions & Pipe Fittings" Chart below for sizes

**NOTE:**  
Also available in FLARE-O® and O-Ring Face Seal Styles.

 <b>SS1404 Str.</b> (1) Male Pipe (2) Female Pipe Swivel	 <b>SS1405 Str.</b> (1) Female Pipe (2) Female Pipe Swivel	 <b>SS1406 Str.</b> (1 & 2) Female Pipe Swivel	 <b>SS1501 90°</b> (1) Male Pipe (2) Female Pipe Swivel	 <b>SS1502 90°</b> (1) Female Pipe (2) Female Pipe Swivel	 <b>SS1503 45°</b> (1) Male Pipe (2) Female Pipe Swivel	 <b>SS1504 45°</b> (1) Female Pipe (2) Female Pipe Swivel
 <b>SS1601 Tee</b> (1) Male Pipe (2 & 3) Female Pipe Swivel	 <b>SS1602 Tee</b> (1) Female Pipe (2 & 3) Female Pipe Swivel	 <b>SS1603 Tee</b> (1, 2, & 3) Female Pipe Swivel	<h2>Pipe Fittings</h2> <p>Refer to "Adapter Unions &amp; Pipe Fittings" Chart for sizes</p>		 <b>SS5000 Str.</b> (1 & 2) Female Pipe	 <b>SS5404 Str.</b> (1 & 2) Male Pipe
 <b>SS5404-N Str. Nipple</b> (1 & 2) Male Pipe	 <b>SS5405 Str. Reducer</b> (1) Male Pipe (2) Female Pipe	 <b>SS5406 Bushing</b> (1) Male Pipe (2) Female Pipe	 <b>SS5406-P Plug - Ext. Hex</b> (1) Male Pipe	 <b>SS5406-C Pipe Cap</b> (1) Female Pipe	 <b>SS5409 Plug - Int. Hex</b> (1) Male Pipe	 <b>SS5500 90°</b> (1 & 2) Male Pipe
 <b>SS5501 45°</b> (1 & 2) Male Pipe	 <b>SS5502 90°</b> (1) Male Pipe (2) Female Pipe	 <b>SS5503 45°</b> (1) Male Pipe (2) Female Pipe	 <b>SS5504 90°</b> (1 & 2) Female Pipe	 <b>SS5505 45°</b> (1 & 2) Female Pipe	 <b>SS5600 Tee</b> (1, 2, & 3) Male Pipe	 <b>SS5601 Tee</b> (1 & 2) Male Pipe (3) Female Pipe
 <b>SS5602 Tee</b> (1) Male Pipe (2 & 3) Female Pipe	 <b>SS5603 Tee</b> (1 & 3) Male Pipe (2) Female Pipe	 <b>SS5604 Tee</b> (1 & 2) Female Pipe (3) Male Pipe	 <b>SS5605 Tee</b> (1, 2, & 3) Female Pipe	 <b>SS5650 Cross</b> (1, 2, 3, & 4) Male Pipe	 <b>SS5652 Cross</b> (1, 2, 3, & 4) Female Pipe	

## Order Information

Sizes of the fittings are indicated by the dash numbers as relating to sixteenth's of an inch measured from the Outside Diameter of the tube size used. For example; 1/2" O.D. (8/16) is noted as - 8. Male or Female pipe sizes are similar in that 1/2" pipe thread is also (8/16) or - 8.

Our standard items can be ordered by using the appropriate chart and dash numbers. For example: SS 2501-8-6 is a 1/2" tube end with 3/4-16 straight thread on one end and 3/8" pipe thread on the other end. SS 2501-8-12 is a 1/2" tube end with 3/4-16 straight thread on one end and 3/4" pipe thread on the other end.

Adjustable and O-Ring fittings may be purchased in various stages of assembly. For example: SS 6801-8-8-NWO would be assembled complete with "N" Nut, "W" Washer and "O" O-Ring. SS 6801-8-8-NW would be assembled with "N" Nut and "W" Washer only.

Special items and configurations are available to order using customer specifications. Pricing and availability of these items can be furnished on request.

## Air-Way specializes in what you need

Since 1950, our high-quality products, pricing and customer service have positioned Air-Way Manufacturing Company as a leader in the hydraulic fitting industry. Our manufacturing and engineering expertise allows us to fulfill many special-requirement fitting needs.

We specialize in jump sizes to provide you with:

- Heat & Turbulence Reduction
- Cost Reduction
- System Simplification

There are numerous stocking distributors, conveniently located throughout the United States and Canada. Each offers a complete inventory, allowing you the maximum in:

- Service
- Quality
- Competitive Pricing

In the world of hydraulic fittings:  
**Air-Way is the right way!**



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