

## STAINLESS STEEL HYDRAULIC FITTINGS

J.I.C. – S.A.E.

STANDARD – JUMPSIZE – SPECIAL



**AIR-WAY**  
GLOBAL MANUFACTURING



# TUBE FITTINGS

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

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














	(070111) 	(070112) 	(070118) 	(070117) 	(070110) 	(070115) 
<b>SS302</b> Short Nut	<b>SS304</b> Standard Nut	<b>SS304-C</b> Cap Nut	<b>SS306-LN</b> Bulkhead Lock Nut	<b>SS306-N</b> Adjustable Lock Nut	<b>SS318</b> Tube Nut	<b>SS319</b> Tube Sleeve
(070101) 	(070119) 	(070102) 	(070102L) 			(070103) 
<b>SS2403</b> Str. (1 & 2) Male Tube Union	<b>SS2403-LH</b> Str. (1 & 2) Male Tube Union Large Hex	<b>SS2404</b> Str. (1) Male Tube (2) Male Pipe	<b>SS2404-L</b> Str. (1) Male Tube (2) Male Pipe - Long	<b>SS2404-LL</b> Str. (1) Male Tube (2) Male Pipe - Ex-Long	<b>SS2404-LLL</b> Str. (1) Male Tube (2) Male Pipe - Ex-Ex-Long	<b>SS2405</b> Str. (1) Male Tube (2) Female Pipe
(070123) 	(070123) 	(070109) 	(070201) 	(070202) 	(070203) 	(070302) 
<b>SS2406</b> Str. Reducer (1) 37° Female (2) Male Tube	<b>SS2407</b> Str. Reducer (1) 37° Female (2) Male Tube	<b>SS2408</b> Plug - Ext. Hex (1) Male Tube	<b>SS2500</b> 90° (1 & 2) Male Tube	<b>SS2501</b> 90° (1) Male Tube (2) Male Pipe	<b>SS2502</b> 90° (1) Male Tube (2) Male Pipe	<b>SS2503</b> 45° (1) Male Tube (2) Male Pipe
	(070425) 	(070427) 	(070401) 	(070424) 	(070426) 	
<b>SS2504</b> 45° (1 & 2) Male Tube	<b>SS2601</b> Tee (1 & 2) Male Tube (3) Male Pipe	<b>SS2602</b> Tee (1 & 2) Male Tube (3) Female Pipe	<b>SS2603</b> Tee (1, 2 & 3) Male Tube	<b>SS2605</b> Tee (1 & 3) Male Tube (2) Male Pipe	<b>SS2602</b> Tee (1 & 3) Male Tube (2) Female Pipe	<b>SS2607</b> Tee (1) Male Tube (2 & 3) Male Pipe
(070434) 				(070501) 		
<b>SS2608</b> Tee (1) Male Tube (2) Female Pipe (3) Male Pipe	<b>SS2609</b> Tee (1) Male Tube (2 & 3) Female Pipe	<b>SS2610</b> Tee (1 & 2) Male Tube (3) Male Pipe	<b>SS2612</b> Tee (1 & 2) Female Pipe (3) Male Tube	<b>SS2650</b> Cross (1, 2, 3 & 4) Male Tube	<b>SS2651</b> Cross (1, 2, & 3) Male Tube (4) Male Pipe	<b>SS2653</b> Cross (1 & 2) Male Tube (3 & 4) Male Pipe
	(070601) 	(070701) 	(070801) 	(070959) 	(070958) 	
<b>SS2654</b> Cross (1 & 3) Male Tube (2 & 4) Male Pipe	<b>SS2700-LN</b> Str. (1) Male Tube (2) Bulkhead	<b>SS2701-LN</b> 90° (1) Male Tube (2) Bulkhead	<b>SS2702-LN</b> 45° (1) Male Tube (2) Bulkhead	<b>SS2703-LN</b> Tee (1 & 2) Male Tube (3) Bulkhead	<b>SS2704-LN</b> Tee (1 & 3) Male Tube (2) Bulkhead	<b>SS2705-LN</b> Str. (1) Female Tube (2) Bulkhead
	(420160) 	(070221) 		(070321) 		
<b>SS2706-LN</b> Str. (1) Male Pipe (2) Bulkhead	<b>SS4404</b> Str. (1) Beaded (2) Male Pipe	<b>SS6500</b> 90° (1) Male Tube (2) 37° Female Swivel	<b>SS6501</b> 90° (1) Male Pipe (2) 37° Female Swivel	<b>SS6502</b> 45° (1) Male Tube (2) 37° Female Swivel	<b>SS6503</b> Str. (1) Female Pipe (2) 37° Female Swivel	<b>SS6504</b> Str. (1) Male Tube (2) 37° Female Swivel
						
<b>SS6505</b> Str. (1) Male Pipe (2) 37° Female Swivel	<b>SS6506</b> Str. (1) Female Pipe (2) 37° Female Swivel	<b>SS6565</b> Str. (1 & 2) 37° Female Swivel	<b>SS6600</b> Tee (1 & 2) Male Tube (3) 37° Female Swivel	<b>SS6602</b> Tee (1 & 3) Male Tube (2) 37° Female Swivel		



# BRAZE FITTINGS FOR TUBING








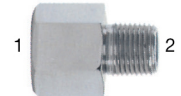










Refer to "Tube Fittings, JIC-SAE" Chart for sizes

**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) Female Swivel	

# ADJUSTABLE & O-RING FITTINGS

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

						
<b>SS4604-O Str.</b> (1) Beaded (2) Male O-Ring	<b>SS6400-O Str.</b> (1) Male Tube (2) Male O-Ring	<b>SS6400-L-O Str.</b> (1) Male Tube (2) Male O-Ring - Long	<b>SS6400-LL-O Str.</b> (1) Male Tube (2) Male O-Ring - Ex-Long	<b>SS6400-LLL-O Str.</b> (1) Male Tube (2) Male O-Ring - Ex-Ex-Long	<b>SS6401-O Str.</b> (1) Male O-Ring (2) Male Pipe	<b>SS6402-O Str.</b> (1) Male O-Ring (2) 37° Female Swivel
						
<b>SS6404 Str.</b> (1) Female O-Ring (2) Male Pipe	<b>SS6405-O Str.</b> (1) Male O-Ring (2) Female Pipe	<b>SS6407-NWO Str.</b> (1) Male O-Ring (2) Adjustable O-Ring	<b>SS6408-O Plug - Ext. Hex</b> (1) Male O-Ring	<b>SS6409-O Plug - Int. Hex</b> (1) Male O-Ring	<b>SS6410-O 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-O 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
<b>Tube O.D.</b>	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
<b>Decimal</b>	.125	.188	.250	.313	.375	.500	.625	.750	.875	1.000	1.125	1.250	1.500	2.000
<b>M.M. Equivalent</b>	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
<b>Straight Thread</b>	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
<b>Decimal-threads/inch</b>	.313 -24	.375 -24	.438 -20	.500 -20	.563 -18	.750 -16	.875 -14	1.063 -12	1.188 -12	1.313 -12	1.500 -12	1.625 -12	1.875 -12	2.500 -12
<b>M.M. Equivalent</b>	7.938 -24	9.525 -24	11.113 -20	12.700 -20	14.288 -18	19.050 -16	22.225 -14	26.988 -12	30.163 -12	33.338 -12	38.100 -12	41.275 -12	47.625 -12	63.500 -12
<b>Pipe Thread Standard</b>	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
<b>Decimal</b>	.125	.125	.125	.125	.250	.375	.500	.750	.750	1.000	1.000	1.250	1.500	2.000
<b>M.M. Equivalent</b>	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





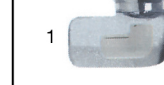






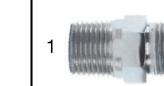



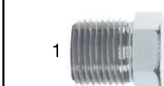




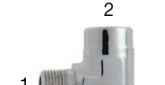











# ADAPTER UNIONS & PIPE FITTINGS

Dash Number	2	4	6	8	12	16	20	24	32
<b>Pipe Thread NPSM-NPTF</b>	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
<b>Decimal</b>	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000
<b>M.M. Equivalent</b>	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 for sizes

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

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

**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) or - 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 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 that end and 3/8" pipe thread on the other end. SS 2501-8-12 is a 1/2", 37 degree tube end with 3/4-16 straight thread on that 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, "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.



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## AIR-WAY. ADAPT TO ANYTHING.

AIR-WAY has been providing hydraulic fitting and adapter solutions for over 60 years. You'll find thousands of forged or two-piece configurations in carbon steel, stainless steel, or brass materials. Air-Way offers customers unequalled value through superior custom manufacturing capability, unique delivery options, quality, and customer service. Visit [AIR-WAY.com](http://AIR-WAY.com) to stay connected.

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