



CARBON STEEL HYDRAULIC FITTINGS

J.I.C.- SAE J514

Standard - Jumpsizes - Special



AIR-WAY
GLOBAL MANUFACTURING



Gauge Line Connection Port

Air-Way simplifies ordering of Gauge Line Connection Port fittings in all shapes & sizes. Use the photograph to select the port location, add the symbol as a suffix to the part number and show the combined size and position.

Example: 6801-8-8-NWO-**2P2**.

6801-8-8-NWO

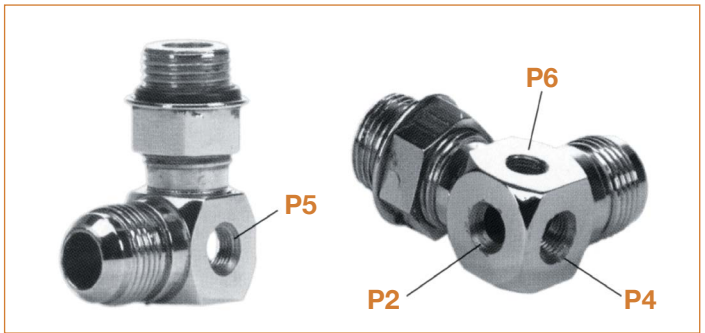
90° Adjustable Elbow

2

Size

P2

Position



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: 2501- 8-12 is a 1/2" tube 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: 6801-8-8-NWO would be assembled complete with "N" Nut, "W" Washer and "O" O-Ring. 6801-8-8-NW would be assembled with "N" Nut and "W" Washer only.

Many items are available in either a brazed or forged style construction. If a forged style is preferred, simply add a "G" prefix to the item number or the word "Forging" after the number.

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

The Air-Way Advantage

Since 1950, Air-Way Global Manufacturing Company has been the leading manufacturer of hydraulic fittings.

Not only is Air-Way an ISO 9001 and ISO 14001 certified manufacturer, but also a certified supplier to several of the largest and most recognized Original Equipment Manufacturers in the world.

Air-Way is the largest independent hydraulic fitting manufacturer in the United States. The combination of our manufacturing expertise, along with our outstanding technical and customer service support has proven to represent an excellent value for our customers.

We have also made available a program called Air-Way Direct™. This program allows us to ship the same day we receive your order. Only with Air-Way Direct™ can you benefit from both the technical expertise of a manufacturer along with immediate delivery of product.

Special packaging, shipping and service programs have helped Air-Way establish a reputation as being the most versatile and customer friendly manufacturer in the hydraulic fitting industry.

Air-Way Global Manufacturing
- The World Source For Hydraulic Fittings -



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AIR-WAY GLOBAL MANUFACTURING COMPANY | ADAPT TO ANYTHING

Adapter Union

Refer to “Adapter Unions & Pipe Fittings” Chart below for sizes

NOTE:

Also available in FLARE-O® and Stainless Steel Styles.

<p>1404 - Str. (1) Male Pipe (2) Female Pipe Swivel</p>	<p>1405 - Str. (1) Female Pipe (2) Female Pipe Swivel</p>	<p>1406 - Str. (1 & 2) Female Pipe Swivel</p>	<p>1501 - 90° (1) Male Pipe (2) Female Pipe Swivel</p>	<p>1502 - 90° (1) Female Pipe (2) Female Pipe Swivel</p>	<p>1503 - 45° (1) Male Pipe (2) Female Pipe Swivel</p>	<p>1504 - 45° (1) Female Pipe (2) Female Pipe Swivel</p>
<p>1601 - Tee (1) Male Pipe (2 & 3) Female Pipe Swivel</p>	<p>1602 - Tee (1) Female Pipe (2 & 3) Female Pipe Swivel</p>	<p>1603 - Tee (1, 2 & 3) Female Pipe Swivel</p>	<p>1604 - Cross (1) Male Pipe (2, 3, & 4) Female Pipe Swivel</p>	<p>1605 - Cross (1, 2, 3, & 4) Female Pipe Swivel</p>		

Pipe Fittings

Refer to “Adapter Unions & Pipe Fittings” Chart for sizes

<p>3051 - 90° (1) Male Pipe (2) Female Pipe</p>	<p>5000 - Str. (1 & 2) Female Pipe</p>	<p>5404 - Str. (1 & 2) Male Pipe</p>	<p>5404-N - Str. Nipple (1 & 2) Male Pipe</p>	<p>5405 - Str. Reducer (1) Male Pipe (2) Female Pipe</p>	<p>5406 - Bushing (1) Male Pipe (2) Female Pipe</p>	<p>5406-C Cap (1) Female Pipe</p>
<p>5406-P - Plug (1) Male Pipe</p>	<p>5500 - 90° (1 & 2) Male Pipe</p>	<p>5501 - 45° (1 & 2) Male Pipe</p>	<p>5502 - 90° (1) Male Pipe (2) Female Pipe</p>	<p>5503 - 45° (1) Male Pipe (2) Female Pipe</p>	<p>5504 - 90° (1 & 2) Female Pipe</p>	<p>5505 - 45° (1 & 2) Female Pipe</p>
<p>5600 - Tee (1, 2 & 3) Male Pipe</p>	<p>5601 - Tee (1 & 2) Male Pipe (3) Female Pipe</p>	<p>5602 - Tee (1) Male Pipe (2 & 3) Female Pipe</p>	<p>5603 - Tee (1 & 3) Male Pipe (2) Female Pipe</p>	<p>5604 - Tee (1 & 2) Female Pipe (3) Male Pipe</p>	<p>5605 - Tee (1, 2, & 3) Female Pipe</p>	<p>5651 - Cross (1, 2 & 3) Male Pipe (4) Female Pipe</p>
<p>5652 - Cross (1, 2, 3, & 4) Female Pipe</p>	<p>5653 - Cross (1 & 2) Male Pipe (3 & 4) Female Pipe</p>	<p>5654 - Cross (1 & 3) Male Pipe (2 & 4) Female Pipe</p>	<p>5655 - Cross (1) Male Pipe (2, 3, & 4) Female Pipe</p>			

Adapter Unions & Pipe Fittings

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

Adjustable & O-Ring Fittings

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

NOTE:

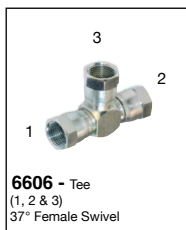
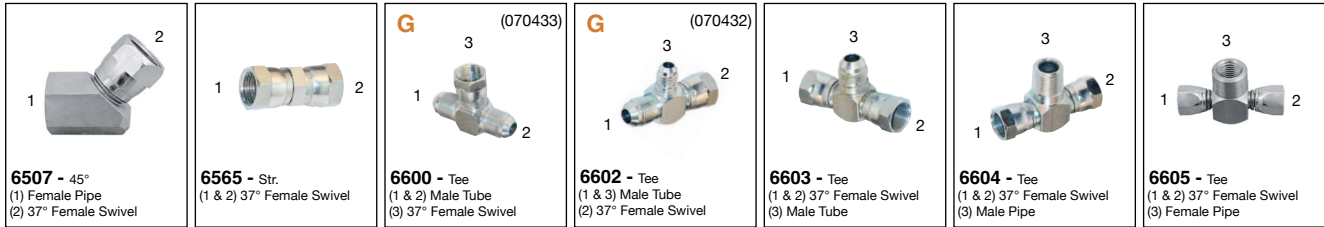
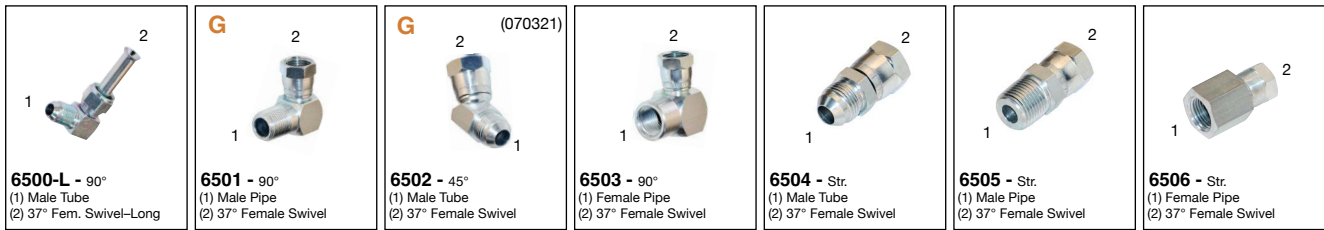
Also available in FLARE-O® and Stainless Steel Styles.

 <p>6400-O - Str. (1) Male Tube (2) Male O-Ring</p>	 <p>6400-L-O - Str. (1) Male Tube (2) Male O-Ring-Long</p>	 <p>6401-O - Str. (1) Male O-Ring (2) Male Pipe</p>	 <p>6402-O - Str. (1) Male O-Ring (2) 37° Female Swivel</p>	 <p>6403-O - Str. (1&2) Male O-Ring</p>	 <p>6404 - Str. (1) Female O-Ring (2) Male Pipe</p>	 <p>6405-O Str. (1) Male O-Ring (2) Female Pipe</p>
 <p>6407-NWO - Str. (1) Male O-Ring (2) Adjustable O-Ring</p>	 <p>6408-O Plug (1) Male O-Ring - Ext. Hex</p>	 <p>6409-O - Plug (1) Male O-Ring - Int. Hex</p>	 <p>6410-O - Str. (1) Male O-Ring (2) Female O-Ring</p>	 <p>6801-NWO - 90° (1) Male Tube (2) Adjustable O-Ring</p>	 <p>6801-L-NWO - 90° (1) Male Tube (2) Adjustable O-Ring-Long</p>	 <p>6801-LL-NWO 90° (1) Male Tube (2) Adjustable O-Ring Ex-Long</p>
 <p>6801-LLL-NWO - 90° (1) Male Tube (2) Adjustable O-Ring Ex-Ex-Long</p>	 <p>6802-NWO - 45° (1) Male Tube (2) Adjustable O-Ring</p>	 <p>6803-NWO - Tee (1) Male Tube (2) Adjustable O-Ring (3) Adjustable O-Ring</p>	 <p>6804-NWO - Tee (1) Male Tube (2) Adjustable O-Ring (3) Adjustable O-Ring</p>	 <p>6805-NWO - 90° (1) Adjustable O-Ring (2) Female Pipe</p>	 <p>6806-NWO - 90° (1) Adjustable O-Ring (2) Male Pipe</p>	 <p>6807-NWO - 90° (1) Adjustable O-Ring (2) Male Pipe</p>
 <p>6808-NWO - 45° (1 & 2) Adjustable O-Ring</p>	 <p>6809-NWO 90° (1) Adjustable O-Ring (2) 37° Female Swivel</p>	 <p>6810-NWO - 45° (1) Adjustable O-Ring (2) 37° Female Swivel</p>	 <p>6900-O - Str. (1) Male O-Ring (2) Female Pipe Swivel</p>	 <p>6901-NWO - 90° (1) Adjustable O-Ring (2) Female Pipe Swivel</p>	 <p>6902-NWO - 45° (1) Adjustable O-Ring (2) Female Pipe Swivel</p>	 <p>4601-NWO - 90° (1) Beaded (2) Adjustable O-Ring</p>
 <p>4603-NWO - 45° (1) Beaded (2) Adjustable O-Ring</p>	 <p>4604-O - Str. (1) Beaded (2) Male O-Ring</p>	 <p>4605-NWO - Tee (1 & 3) Beaded (2) Male O-Ring</p>	 <p>4606-NWO - Tee (1 & 2) Beaded (3) Adjustable O-Ring</p>			

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. Equiv.	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. Equiv.	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	2.0000
M.M. Equiv.	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

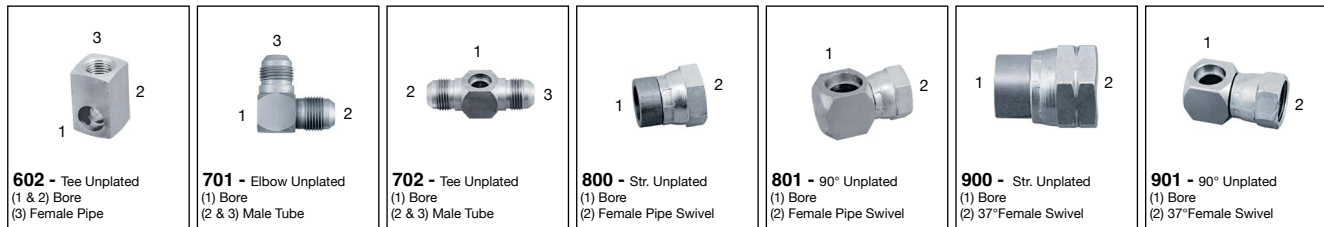
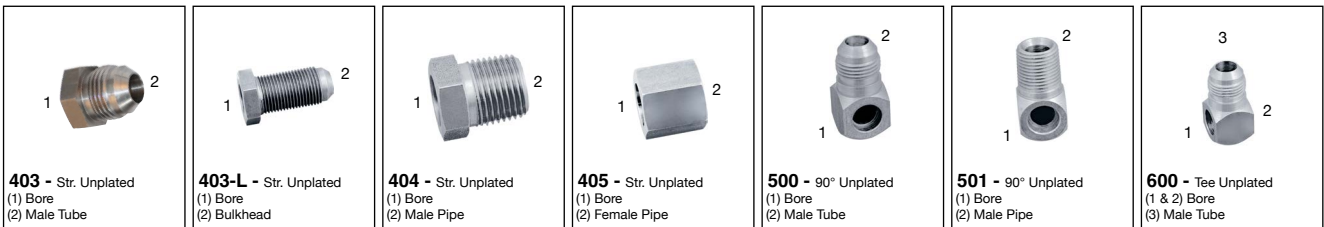
NOTE:
Also available in FLARE-O® and Stainless Steel Styles.



NOTE:
Items shown with “G” in the top portion of the box are also available in a Forged style. To order the Forged style, simply add a G prefix to the item number. For example, G6801-6-6-NWO.
Applicable items are also shown with an SAE number in the top portion of the box. In example, (070220).

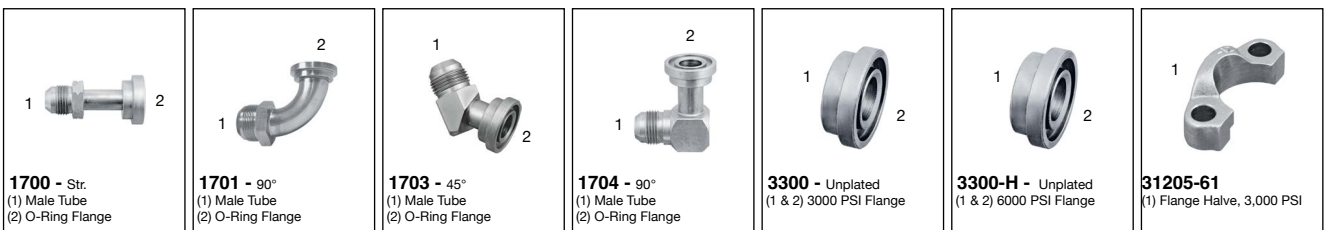
Braze Fittings for Tubing

Refer to “Tube Fittings, JIC-SAE” Chart for sizes



Flanges

Refer to “Tube Fittings, JIC-SAE” Chart for sizes



Tube Fittings

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

NOTE:

Also available in FLARE-O® and Stainless Steel Styles.

 302 Short Nut	 304 Standard Nut	 304-C Cap Nut	 306 Bulkhead Lock Nut	 306-N Adj. Lock Nut	 318 Tube Nut	 319 Tube Sleeve
 2403 - Str. (1 & 2) Male Tube Union	 2403-LH - Str. (1 & 2) Male Tube Union Large Hex	 2404 - Str. (1) Male Tube (2) Male Pipe	 2404-L - Str. (1) Male Tube (2) Male Pipe-Long	 2404-LL - Str. (1) Male Tube (2) Male Pipe-Ex-Long	 2405 - Str. (1) Male Tube (2) Female Pipe	 2406 - Str. Reducer (1) 37° Female (2) Male Tube
 2407 - Str. Reducer (1) 37° Female (2) Male Tube	 2408 - Plug (1) Male Tube	 2500 - 90° (1 & 2) Male Tube	 2501 - 90° (1) Male Tube (2) Male Pipe	 2501-L - 90° (1) Male Tube (2) Male Pipe-Long	 2501-LL - 90° (1) Male Tube (2) Male Pipe-Ex-Long	 2501-LLL - 90° (1) Male Tube (2) Male Pipe-Ex-Ex-Long
 2502 - 90° (1) Male Tube (2) Female Pipe	 2503 - 45° (1) Male Tube (2) Male Pipe	 2504 - 45° (1 & 2) Male Tube	 2505 - 45° (1) Male Tube (2) Female Pipe	 2601 - Tee (1 & 2) Male Tube (3) Male Pipe	 2602 - Tee (1 & 2) Male Tube (3) Female Pipe	 2603 - Tee (1, 2 & 3) Male Tube
 2605 - Tee (1 & 3) Male Tube (2) Male Pipe	 2606 - Tee (1 & 3) Male Tube (2) Female Pipe	 2607 - Tee (1) Male Tube (2 & 3) Male Pipe	 2608 - Tee (1) Male Tube (2) Fem. Pipe (3) Male Pipe	 2609 - Tee (1) Male Tube (2 & 3) Female Pipe	 2610 - Tee (1 & 2) Male Tube (3) Male Pipe	 2611 - Tee (1) Male Tube (2) Male Pipe (3) Female Pipe
 2612 - Tee (1 & 2) Female Pipe (3) Male Tube	 2613 - Tee (1) Male Pipe (2) Female Pipe (3) Male Tube	 2650 - Cross (1, 2, 3 & 4) Male Tube	 2651 - Cross (1, 2 & 3) Male Tube (4) Male Pipe	 2652 - Cross (1, 2 & 3) Male Tube (4) Female Pipe	 2653 - Cross (1 & 2) Male Tube (3 & 4) Male Pipe	 2658 - Cross (1) Male Tube (2, 3 & 4) Female Pipe
 2700-LN - Str. (1) Male Tube (2) Bulkhead	 2701-LN - 90° (1) Male Tube (2) Bulkhead	 2702-LN - 45° (1) Male Tube (2) Bulkhead	 2703-LN - Tee (1 & 2) Male Tube (3) Bulkhead	 2704-LN - Tee (1 & 3) Male Tube (2) Bulkhead	 2705-LN - Str. (1) Female Pipe (2) Bulkhead	 2706-LN - Str. (1) Male Pipe (2) Bulkhead
 4404 - Str. (1) Beaded (2) Male Pipe	 4501 - 90° (1) Beaded (2) Male Pipe	 4503 - 45° (1) Beaded (2) Male Pipe	 4504 - Tee (1, 2, & 3) Beaded	 4505 - Tee (1 & 3) Beaded (2) Male Pipe	 4506 - Tee (1 & 2) Beaded (3) Male Pipe	 6500 - 90° (1) Male Tube (2) 37° Female Swivel