

Double-Ferrule Tube Fittings

Interchangeability

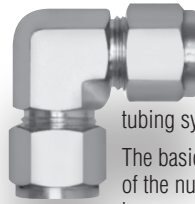
Brennan Double-Ferrule Compression

Tube Fittings are manufactured to be totally interchangeable and fully component intermixable with the Swagelok® and Parker A-LOK® tube fitting brands.

Brennan Double-Ferrule Compression

Tube Fittings are totally interchangeable with tube fittings of certain other manufacturers including Parker CPI™ and HOKE Gyrolok®.

Introduction



Brennan's Double-Ferrule Compression Tube Fittings

provide leak-proof, torque-free seals at all tubing connections. They eliminate potentially hazardous and expensive leaks in instrumentation, process, pneumatic, hydraulic, gas and other tubing systems.

The basic Double-Ferrule Tube Fitting is a four-piece fitting consisting of the nut, back ferrule, front ferrule and the body. When installed, it becomes a five-piece connection with the addition of the tubing to provide a solid leak-free joint.

The two ferrules grasp tightly around the tube with no damage to the tube wall. Exhaustive tests have proved that the tubing will yield before a Brennan Double-Ferrule joint starts leaking.

The secret behind the success of the Brennan Double-Ferrule Tube Fitting lies in the two-ferrule design, which combines geometry and metallurgy. All action in the fitting is an axial movement along the tube instead of a rotary motion to create the joint. This axial movement prevents transmission of any torque from a fitting to the tubing. Since there is no initial strain in the tubing, the making of the joint does not weaken the tubing.

Another advantage of the Brennan Double-Ferrule Tube Fitting is that the swaging action of the twin ferrules overcomes variations in tubing wall thickness, hardness and dimensional tolerance.

Brennan's Double-Ferrule Tube Fittings are easy to install and require no special tools. They are reusable several times and can withstand heavy impulse and vibration in both vacuum and pressure systems.

Brennan Double-Ferrule Compression Tube Fitting Features:

- Self-aligning
- Work on thick and thin wall tubing
- Resist vibration
- Work on a variety of tube materials
- All components are made of the same material for thermal compatibility and corrosion resistance
- Resist temperature cycling
- Compensate for the variables encountered in the tube and materials
- Do not significantly reduce flow area



Performance

- Work in vacuums, as well as at low and high pressures
- Seal at low cryogenic temperatures, as well as elevated temperatures rated for the tube
- Seal consistently over a wide range of temperature cycling
- Seal repeatedly under both make and remake conditions
- Resist pressure beyond the tubing burst point






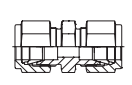
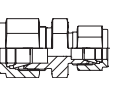
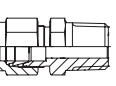
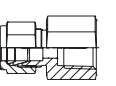
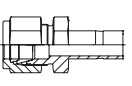
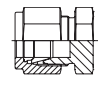
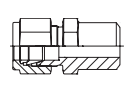
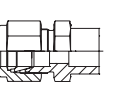
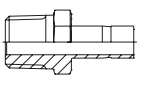
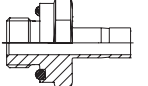
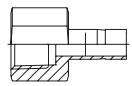
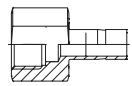
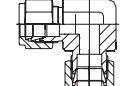
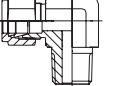
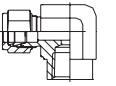
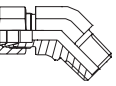
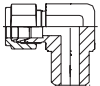
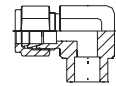
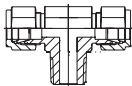
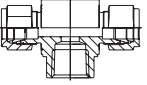
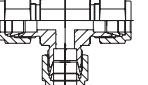
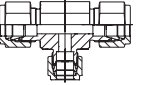
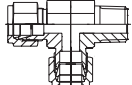
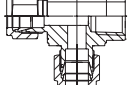
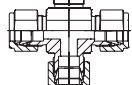
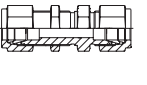

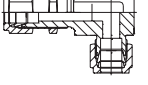
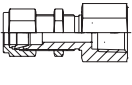
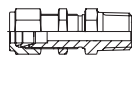
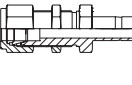
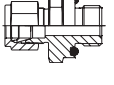
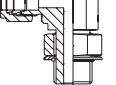
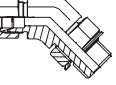
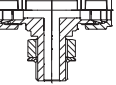
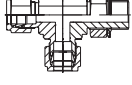
Assembly

- Use geometry rather than torque for uniformity of make-up. (To complete the joint, it requires only a 1-1/4 turn after snug-tightening.)
- Do not require disassembly and inspection of ferrule swaging at every make-up
- Do not require any special tools for assembly

Service

Brennan's Double-Ferrule Tube Fittings are available in a wide range of materials, sizes, connections and configurations from our local distributors and supported by substantial inventories at our distribution centers.

Product Gallery

Plug  N0304	Nut  N0318	Back Ferrule  N0319-B	Front Ferrule  N0319-F	Ferrule Set  N0319-S	Union  N2403
Reducing Union  N2403	Male Connector  N2404	Female Connector  N2405	Reducer  N2406	Cap  N2408	Butt Weld Male Connector  N2425
Socket Weld Male Connector  N2426	Male Adapter  N2428	O-Seal Male Adapter  N2429	Female Adapter  N2430	Female Gage Adapter  N2431	Union Elbow  N2500
Male Elbow  N2501	Female Elbow  N2502	45 Degree Male Elbow  N2503	Butt Weld Male Elbow  N2525	Socket Weld Male Elbow  N2526	Male Branch Tee  N2601
Female Branch Tee  N2602	Union Tee  N2603	Reducing Union Tee  N2603	Male Run Tee  N2605	Female Run Tee  N2606	Cross  N2650
Bulkhead Union  N2700-LN	Bulkhead Reducing Union  N2700-LN	Bulkhead Union Elbow  N2701-LN	Bulkhead Female Connector  N2705	Bulkhead Male Connector  N2706	Bulkhead Reducer  N2709
O-Seal Male Connector  N6400	Positionable Male Elbow  N6801	45 Degree Pos. Male Elbow  N6802	Positionable Male Branch Tee  N6803	Positionable Male Run Tee  N6804	

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Tubing Selection

Proper selection, handling and installation of tubing are essential for reliable tubing system performance. While Brennan Industries is not a tubing manufacturer or supplier, we must stress the importance of carefully selecting high-quality tubing. Proper tubing selection is necessary to ensure safe and leak-free systems. Brennan Industries is happy to assist in tubing selection upon request.

Tubing selection is based on the material, hardness, wall thickness and surface finish. The ASTM specifications for various tubes cover material, hardness and wall thickness. They do not give details on the surface finish.

Tubing Hardness

Tubing must always be softer than the fitting material. To achieve leak-free connections, it is important to use the recommended tubing hardness as explained in the Tubing Specifications section, leak-free connections will be achieved.

The biggest misunderstanding about tubing hardness is in the area of stainless steel tubing. Brennan's Stainless Steel Double-Ferrule Tube Fittings have been tested successfully with tubing hardness up to RB 90, the maximum hardness allowable under ASTM A 213 and A 269.

Although such tubing hardnesses are permissible and Brennan's Double-Ferrule Tube Fittings will perform satisfactorily on them, they will not provide the maximum advantage and performance for tubes with hardnesses above RB 80. It is suggested that, when purchasing stainless steel tubes to ASTM A 213/A 269, you specify that the hardness of the tubes should not exceed RB 80.

The best results are obtained where the stainless steel tubing hardness is in the range RB 70-74. Such tubing lowers installation costs because it is more easily bent and installed.

Tubing installers should perform the full 1-1/4 turn after snug-tightening to ensure proper joints. This will provide the best performance and is especially true in the case of harder tubing where higher torque is required.

RB 80 maximum hardness is a suggestion and not a restriction against the use of harder tubing. However, if the tubing hardness exceeds RB 90, special fittings should be considered.

Tubing Wall Thickness

The allowable pressure rating of tubing for the wide range of wall thickness is calculated from "S" values as specified by ANSI Code B 31.1. The range of tubing wall thicknesses varies from 0.028" to 0.109" in the inch OD series. These wall thicknesses are generally preferred for tube sizes up to 1". For higher tube sizes, these wall thicknesses may be increased to 0.125 and 0.167".

Upon request, Brennan Industries will provide working pressure ratings as per ANSI Code B31.1 for various wall thicknesses in the above-mentioned ranges for inch size tubing.

General Technical

Tubing For Gas Service

For maximum safety and the prevention of surface defects in any gas system, it is recommended that tubing wall thicknesses are not less than those shown in this table:

Tube O.D.	Suggested Minimum Wall Thickness
1/16"	.028"
1/8"	.028"
1/4"	.028"
5/16"	.035"
3/8"	.035"
1/2"	.041"
5/8"	.052"
3/4"	.062"
7/8"	.073"
1"	.083"
1-1/4"	.104"
1-1/2"	.125"
2"	.167"

Light gases such as helium, hydrogen, nitrogen, etc. have very small molecules, which can escape through even the smallest leak path created by surface defects on the tubing. As the tube OD increases, so does the likelihood of a scratch or other surface defect interfering with proper sealing.

For the most successful connection for gas service, all installation instructions should be followed carefully and the heavier permissible wall thickness of tubing should be selected. A heavy wall thickness resists ferrule action more than a thin wall thickness. This allows the ferrules to coin out minor surface imperfections. A thin wall tube will collapse, offering little resistance to ferrule action during assembly. This reduces the chance of coining out surface defects, which is essential for gas service.

Tubing Handling

Scratches on tube OD are a potential source of problems in leak-tight tubing systems. Good handling practices can greatly reduce scratches and protect tubing surface finishes.

Tubing should never be dragged out of a tubing rack. Particularly in sizes 3/4" and larger, the weight of the tubing being retrieved is sufficient to gouge the OD if there are any burrs on the ends of the other tubes in the rack.

Tubing should never be dragged across cement, asphalt, gravel or any other surface, which could scratch the surface and create potential leak paths.

Sharp tube cutters should be maintained and tube ends should always be deburred. This allows easier entrance of the tube into the fitting bore and helps to assure that the tubing will go all the way through the ferrules without damaging the ferrule's sealing edge.

Tubing Specifications

Carbon Steel Tubing

Seamless, soft annealed carbon steel tubing to ASTM A 179, Din 2391 or equivalent. 4-1 safety factor considering tensile strength of 47,000 psi at room temperature. For higher temperature service, apply the reducing factors for elevated temperature operation as specified in Table 302.3 1A and 304.1.2 of the code for pressure piping in ANSI B31.3.

Recommended tube hardness is RB 72 or less.

The tubing should be suitable for bending and flaring and free of all surface defects and imperfections.

Stainless Steel Tubing

Seamless, annealed 304 or 316 Stainless Steel tubing to ASTM A 269 or A 213 or equivalent. 4-1 safety factor considering tensile strength of 75,000 psi at room temperature.

Tube hardness should not exceed RB 80. The preferable hardness range is RB 70-74.

Tubing should be suitable for bending and flaring, and should be free of any surface defects and imperfections. A derating factor must be used for drawn and welded tubing.

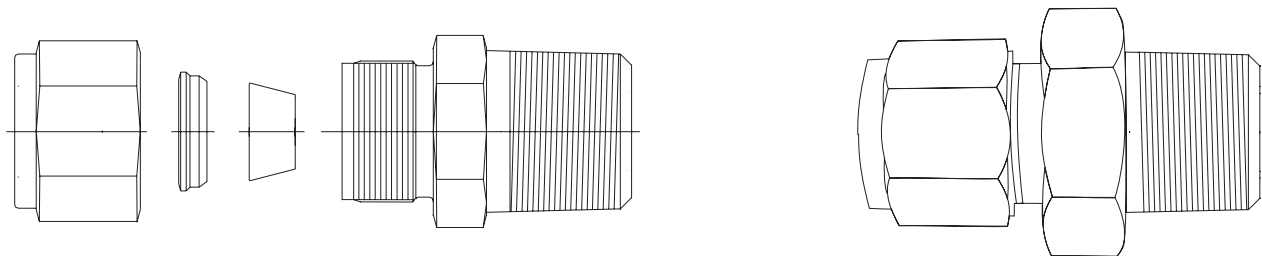
Copper Tubing

Annealed, soft, seamless copper tubing to ASTM B 75 or equivalent. 5-1 safety factor considering tensile strength of 30,000 psi at room temperature. Maximum hardness of the tubing is not to exceed RB 50. Preferred hardness range is RB 40-45.

Thread Specifications

Brennan's connectors have one or more tubing end connections and there are a variety of pipe threads for which Brennan's Double-Ferrule Tube Fittings are available. Two of the most popular thread connections are the American National Pipe Thread (NPT) and the British Standard Pipe Threads (BSP). These threads meet the standards of individual countries as well as the codified ISO standards. All Brennan fittings with pipe threads or stud end threads conform to the specifications below:

- American National Pipe Thread (NPT): Reference specification ASA B2.1; 1960
- ISO Parallel Pipe Thread (British Standard Pipe Thread): Reference specifications BS 2779, ISO 228/1, DIN 259, JIS B 0202, IS 2643
- ISO Taper Pipe Thread (British Standard Pipe Taper Thread): Reference specifications BS 21, ISO 7/1, DIN 2999, JIS B0203, IS 554
- Unified National Pipe Threads: Reference specifications ASA B1.1; 1964



Assembly

Brennan Tube Fittings are shipped completely assembled and finger-tightened. They are ready for immediate use. Disassembly before use can result in dirt or foreign material getting into the fitting, which can cause leaks. Brennan Tube Fittings are installed in three easy steps:

Step 1

Insert the tubing into the Brennan Tube Fitting. Make sure that the tubing rests firmly on the shoulders of the fitting and that the nut is snug-tight. In this position, the tube does not rotate by hand.

Step 2

Before tightening the Brennan nut, scribe the nut at the 6 o'clock position.

Step 3

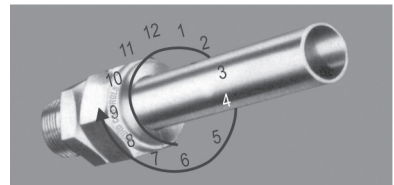
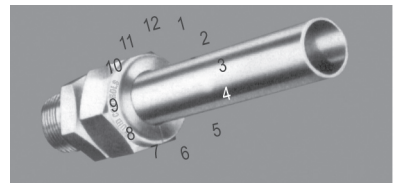
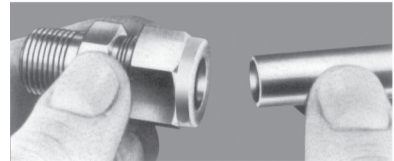
While holding the fitting body steady with a backup wrench, tighten the nut 1-1/4 turns*.

Watch the scribe mark and make one complete revolution. Then continue turning to the 9 o'clock position.

* For 1/8" and 3/16" size tube fittings, only 3/4 turns from finger-tight is required.

Reassembly Instructions

Insert tube into fitting body and hand tighten. Using wrench, rotate the nut approximately 1/4 turn to original 1-1/4 turns position. Then snug slightly with wrench.



Pre-Swaging

Sometimes, Brennan Tube Fittings must be installed in cramped quarters or overhead where ladders must be used. It is usually advantageous to use a pre-swaging tool on the tubing in an open ground area, thus pre-swaging the ferrules onto the tubing. The tubing is then removed from the pre-swaging tool. The tubing (with nut and pre-swaged ferrules) can now be attached to the fitting merely by following the reassembly instructions.

Step 1

Assemble the Brennan nut and ferrules to the pre-swaging tool. Insert the tubing until it bottoms out in the fitting body. Then tighten the nut 1-1/4 turns.

Step 2

Loosen the nut and remove the tubing with the pre-swaged ferrules from the pre-swaging tool.

Step 3

The connection can now be made simply by snug-tightening the nut as described in the retightening instructions.

Brennan hydraulic swaging units are now available in 1/2", 5/8", 3/4" and 1" sizes. For further information, consult your local Brennan sales and service representative.

Brennan Gap Inspection Gages

Brennan Gap Inspection Gages are designed to assure that a fitting has been sufficiently pulled up. They are particularly applicable to systems where fittings are to be tightened in difficult or inaccessible locations, as well as systems where insufficient pull-up could cause potentially dangerous or expensive consequences.

Brennan Gap Inspection Gages are inserted between the nut and body of a tube fitting after pull-up. If the gage will fit in the gap between the nut and body hex, the fitting nut has not been tightened sufficiently.

Ordering Codes

Example →

N2404-04-04-SS

Fitting Type
(Male Connector)

Tube O.D.
in six-
teenths
of an inch
1/4" O.D.

Pipe Size
in six-
teenths
of an inch
1/4" NPT

Material
SS = stainless steel, type 316
B = brass

- The largest tube end size is first. The smaller tube end or pipe thread size follows.
- Additional fitting materials and thread specifications are available upon request.

NOTE: No suffix is required for Carbon Steel fittings.

Fitting Type Designators

Designator	Description	Designator	Description
N0304	Plug	N2525	Butt Weld Male Elbow
N0318	Nut	N2526	Socket Weld Male Elbow
N0319-B	Back Ferrule	N2601	Male Branch Tee
N0319-F	Front Ferrule	N2602	Female Branch Tee
N0319-S	Ferrule Set	N2603	Union Tee
N2403	Union	N2603	Reducing Union Tee
N2403	Reducing Union	N2605	Male Run Tee
N2404	Male Connector	N2606	Female Run Tee
N2405	Female Connector	N2650	Cross
N2406	Reducer	N2700-LN	Bulkhead Union
N2408	Cap	N2700-LN	Bulkhead Reducing Union
N2425	Butt Weld Male Connector	N2701-LN	Bulkhead Union Elbow
N2426	Socket Weld Male Connector	N2705	Bulkhead Female Connector
N2428	Male Adapter	N2706	Bulkhead Male Connector
N2429	O-Seal Male Adapter	N2709	Bulkhead Reducer
N2430	Female Adapter	N6400	O-Seal Male Connector
N2431	Female Gage Adapter	N6801	Positionable Male Elbow
N2500	Union Elbow	N6802	45 Degree Pos. Male Elbow
N2501	Male Elbow	N6803	Positionable Male Branch Tee
N2502	Female Elbow	N6804	Positionable Male Run Tee
N2503	45 Degree Male Elbow		

- Additional Fitting Types Are Available Upon Request.

General Technical

Sizing Chart

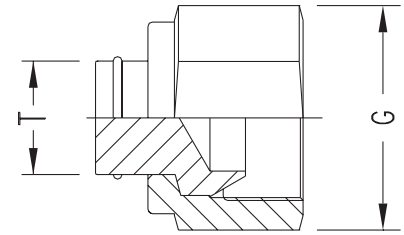
Size No.	Tube-To-Pipe or Tube-To-Tube	
	Tube O.D.	Pipe Thread or Tube O.D.
1-1	1/16	1/16
1-2	1/16	1/8
2-1	1/8	1/16
2-2	1/8	1/8
2-4	1/8	1/4
3-2	3/16	1/8
3-4	3/16	1/4
4-2	1/4	1/8
4-4	1/4	1/4
4-6	1/4	3/8
4-8	1/4	1/2
5-2	5/16	1/8
5-4	5/16	1/4
6-2	3/8	1/8
6-4	3/8	1/4
6-6	3/8	3/8
6-8	3/8	1/2
8-4	1/2	1/4
8-6	1/2	3/8
8-8	1/2	1/2
8-12	1/2	3/4
10-6	5/8	3/8
10-8	5/8	1/2
10-12	5/8	3/4
12-8	3/4	1/2
12-12	3/4	3/4
14-12	7/8	3/4
14-16	7/8	1
16-12	1	3/4
16-16	1	1
20-20	1-1/4	1-1/4
24-24	1-1/2	1-1/2
32-32	2	2

- Additional sizes are available upon request.

Plug NO304

INCH OD Tubes

Part No.	T Tube OD	G A/F
NO304-C-01	1/16	8
NO304-C-02	1/8	11
NO304-C-04	1/4	14
NO304-C-05	5/16	16
NO304-C-06	3/8	17
NO304-C-08	1/2	22
NO304-C-10	5/8	25
NO304-C-12	3/4	28.5
NO304-C-14	7/8	32
NO304-C-16	1	38
NO304-C-20	1-1/4	50
NO304-C-24	1-1/2	57
NO304-C-32	2	76



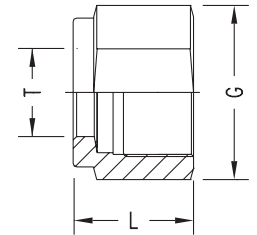
Special Installation Instructions For Adapters And Plugs

From finger-tight, tighten nut 1/4 turn only. Further connections are made by wrench tightening slightly after snugging nut by hand.

Nut NO318

INCH OD Tubes

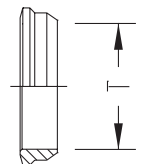
Part No.	T Tube OD	L	G A/F
NO318-01	1/16	8.0	8
NO318-02	1/8	12.0	11
NO318-04	1/4	12.7	14
NO318-05	5/16	14.0	16
NO318-06	3/8	14.5	17
NO318-08	1/2	17.5	22
NO318-10	5/8	17.5	25
NO318-12	3/4	17.5	28.5
NO318-14	7/8	17.5	32
NO318-16	1	20.6	38
NO318-20	1-1/4	31.8	50
NO318-24	1-1/2	38.0	57
NO318-32	2	52.5	76



Back Ferrule NO319-B

INCH OD Tubes

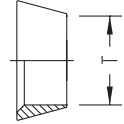
Part No.	T Tube OD
NO319-B-01	1/16
NO319-B-02	1/8
NO319-B-04	1/4
NO319-B-05	5/16
NO319-B-06	3/8
NO319-B-08	1/2
NO319-B-10	5/8
NO319-B-12	3/4
NO319-B-14	7/8
NO319-B-16	1
NO319-B-20	1-1/4
NO319-B-24	1-1/2
NO319-B-32	2



Double-Ferrule Tube Fittings

Front Ferrule NO319-F

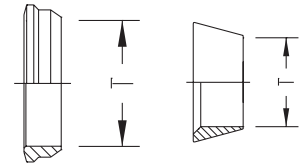
INCH OD Tubes



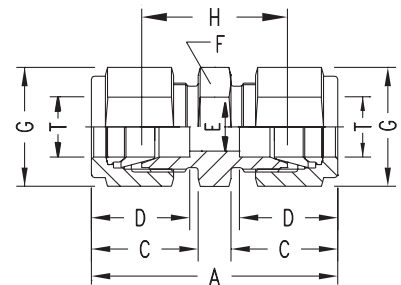
Part No.	T Tube OD
N0319-F-01	1/16
N0319-F-02	1/8
N0319-F-04	1/4
N0319-F-05	5/16
N0319-F-06	3/8
N0319-F-08	1/2
N0319-F-10	5/8
N0319-F-12	3/4
N0319-F-14	7/8
N0319-F-16	1
N0319-F-20	1-1/4
N0319-F-24	1-1/2
N0319-F-32	2

Ferrule Set NO319-S

INCH OD Tubes



Part No.	T Tube OD
N0319-S-01	1/16
N0319-S-02	1/8
N0319-S-04	1/4
N0319-S-05	5/16
N0319-S-06	3/8
N0319-S-08	1/2
N0319-S-10	5/8
N0319-S-12	3/4
N0319-S-14	7/8
N0319-S-16	1
N0319-S-20	1-1/4
N0319-S-24	1-1/2
N0319-S-32	2



Union N2403

INCH OD Tubes

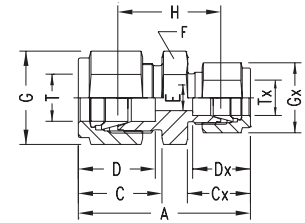
Part No.	T Tube OD	A	C	D	E min.	F A/F	G A/F	H
N2403-01-01	1/16	25.1	11.0	8.6	1.3	8	8	17.5
N2403-02-02	1/8	35.6	15.3	12.7	2.4	11	11	22.4
N2403-04-04	1/4	40.9	17.8	15.3	4.8	14	14	26.2
N2403-05-05	5/16	42.9	18.5	16.3	6.3	14	16	28.2
N2403-06-06	3/8	45.0	19.3	16.8	7.1	16	17	30.2
N2403-08-08	1/2	51.3	21.8	22.9	10.4	22	22	31.0
N2403-10-10	5/8	52.0	21.8	24.4	12.7	24	25	31.8
N2403-12-12	3/4	53.6	21.8	24.4	15.8	27	28.5	33.3
N2403-14-14	7/8	55.2	21.8	25.9	18.2	30	32	34.8
N2403-16-16	1	64.8	26.4	31.2	22.3	35	38	40.4
N2403-20-20	1-1/4	92.2	38.9	41.2	27.6	46	50	48.0
N2403-24-24	1-1/2	108.0	45.2	50.0	34.0	55	57	53.6
N2403-32-32	2	149.4	62.7	67.6	46.0	70	76	74.7

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Reducing Union N2403

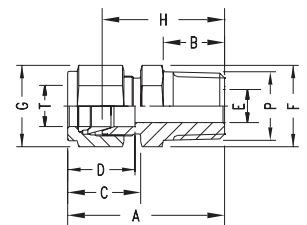
INCH OD Tubes



Part No.	T Tube OD	Tx Tube OD	A	C	Cx	D	Dx	E min.	F A/F	G A/F	Gx A/F	H
N2403-04-02	1/4	1/8	38.6	17.8	15.3	15.3	12.7	2.4	14	14	11	24.6
N2403-05-02	5/16	1/8	39.6	18.6	15.3	16.3	12.7	2.4	14	16	11	25.7
N2403-05-04	5/16	1/4	42.2	18.6	17.8	16.3	15.3	4.8	14	16	14	27.5
N2403-06-02	3/8	1/8	40.9	19.3	15.3	16.8	12.7	2.4	16	17	11	26.9
N2403-06-04	3/8	1/4	43.2	19.3	17.8	16.8	15.3	4.8	16	17	14	28.5
N2403-08-02	1/2	1/8	45.2	21.8	15.3	22.9	12.7	2.4	22	22	11	28.5
N2403-08-04	1/2	1/4	47.0	21.8	17.8	22.9	15.3	4.8	22	22	14	29.5
N2403-08-06	1/2	3/8	48.5	21.8	19.3	22.9	16.8	7.1	22	22	17	31.0
N2403-10-06	5/8	3/8	49.3	21.8	19.3	24.4	16.8	7.1	24	25	17	31.8
N2403-10-08	5/8	1/2	52.0	21.8	21.8	24.4	22.9	10.4	24	25	22	31.8
N2403-12-04	3/4	1/4	49.3	21.8	17.8	24.4	15.3	4.8	27	28.5	14	31.8
N2403-12-06	3/4	3/8	50.8	21.8	19.3	24.4	16.8	7.1	27	28.5	17	33.3
N2403-12-08	3/4	1/2	53.6	21.8	21.8	24.4	22.9	10.4	27	28.5	22	33.3
N2403-16-08	1	1/2	60.5	26.5	21.8	31.2	22.9	10.4	35	38	22	38.1
N2403-16-12	1	3/4	60.5	26.5	21.8	31.2	24.4	15.8	35	38	28.5	38.1
N2403-20-16	1-1/4	1	92.2	38.9	26.4	41.2	31.2	22.3	45	50	38	48.0
N2403-24-20	1-1/2	1-1/4	60.5	26.5	21.8	31.2	24.4	15.8	55	57	50	53.6

Male Connector N2404

INCH OD Tubes x Male NPT Threads



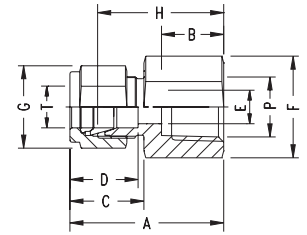
Part No.	T Tube OD	P NPT Male	A	B	C	D	E min.	F A/F	G A/F	H
N2404-01-01	1/16	1/16	23.9	9.6	11.0	8.6	1.3	8	8	20.0
N2404-01-02	1/16	1/8	26.2	9.6	11.0	8.6	1.3	14	8	22.4
N2404-02-02	1/8	1/8	30.5	9.6	15.3	12.7	2.4	11	11	23.9
N2404-02-04	1/8	1/4	35.6	14.3	15.3	12.7	2.4	14	11	29.0
N2404-04-02	1/4	1/8	32.8	9.6	17.8	15.3	4.8	14	14	25.4
N2404-04-04	1/4	1/4	37.8	14.3	17.8	15.3	4.8	14	14	30.5
N2404-04-06	1/4	3/8	38.4	14.3	17.8	15.3	4.8	19	14	31.0
N2404-04-08	1/4	1/2	44.7	19.1	17.8	15.3	4.8	22	14	37.4
N2404-05-04	5/16	1/4	38.6	14.3	18.5	16.3	6.3	14	16	31.2
N2404-06-02	3/8	1/8	35.3	9.6	19.3	16.8	4.8	16	17	27.9
N2404-06-04	3/8	1/4	39.8	14.3	19.3	16.8	7.1	16	17	32.5
N2404-06-06	3/8	3/8	39.8	14.3	19.3	16.8	7.1	19	17	32.5
N2404-06-08	3/8	1/2	41.2	19.1	19.3	16.8	7.1	22	17	38.9
N2404-08-04	1/2	1/4	43.4	14.3	21.8	22.9	7.1	22	22	33.3
N2404-08-06	1/2	3/8	43.4	14.3	21.8	22.9	9.6	22	22	33.3
N2404-08-08	1/2	1/2	49.0	19.1	21.8	22.9	10.4	22	22	38.9
N2404-08-12	1/2	3/4	50.5	19.1	21.8	22.9	10.4	27	22	40.4
N2404-08-16	1/2	1	57.1	23.8	21.8	22.9	10.4	35	22	47.0
N2404-10-06	5/8	3/8	44.2	14.3	21.8	24.4	9.6	24	25	34.0
N2404-10-08	5/8	1/2	49.0	19.1	21.8	24.4	10.4	24	25	38.9
N2404-12-08	3/4	1/2	50.5	19.1	21.8	24.4	10.4	27	28.5	40.4
N2404-12-12	3/4	3/4	50.5	19.1	21.8	24.4	15.8	27	28.5	40.4
N2404-12-16	3/4	1	57.1	23.8	21.8	24.4	15.8	35	28.5	47.0
N2404-14-12	7/8	3/4	50.5	19.1	21.8	26.0	15.8	30	32	40.4
N2404-16-08	1	1/2	57.4	19.1	26.4	31.2	10.4	35	38	45.2
N2404-16-12	1	3/4	57.4	19.1	26.4	31.2	15.8	35	38	45.2
N2404-16-16	1	1	62.2	23.8	26.4	31.2	22.3	35	38	50.0
N2404-20-16	1-1/4	1	77.2	23.8	38.9	41.2	22.3	46	50	55.2
N2404-20-20	1-1/4	1-1/4	77.2	23.8	38.9	41.2	27.6	46	50	55.2
N2404-24-24	1-1/2	1-1/2	88.9	26.2	45.2	50.0	34.0	55	57	61.7
N2404-32-32	2	2	113.5	26.9	62.7	67.6	46.0	70	76	76.2

Bored-Through Connectors available in all of these sizes. Add suffix "BT" to the above part numbers to designate bored-through male connector.

Double-Ferrule Tube Fittings

Female Connector N2405

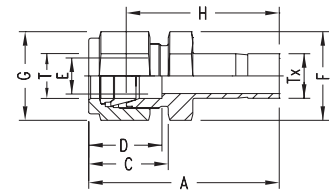
INCH OD Tubes x Female NPT Threads



Part No.	T Tube OD	P NPT Female	A	B	C	D	E min.	F A/F	G A/F	H
N2405-01-01	1/16	1/16	23.6	9.9	11.0	8.6	1.3	11	8	19.8
N2405-01-02	1/16	1/8	24.4	10.4	11.0	8.6	1.3	14	8	20.6
N2405-02-02	1/8	1/8	28.7	10.4	15.3	12.7	2.4	14	11	22.1
N2405-02-04	1/8	1/4	33.6	15.0	15.3	12.7	2.4	19	11	26.9
N2405-04-02	1/4	1/8	31.2	9.9	17.8	15.3	4.8	14	14	23.9
N2405-04-04	1/4	1/4	35.8	15.0	17.8	15.3	4.8	19	14	28.5
N2405-04-06	1/4	3/8	37.6	15.0	17.8	15.3	4.8	22	14	30.2
N2405-04-08	1/4	1/2	42.4	19.8	17.8	15.3	4.8	27	14	35.0
N2405-05-02	5/16	1/8	32.0	10.4	18.5	16.3	6.3	14	16	24.6
N2405-05-04	5/16	1/4	36.8	15.0	18.5	16.3	6.3	19	16	29.5
N2405-06-02	3/8	1/8	32.8	10.4	19.3	16.8	7.1	16	17	25.4
N2405-06-04	3/8	1/4	37.6	15.0	19.3	16.8	7.1	19	17	30.2
N2405-06-06	3/8	3/8	39.1	15.0	19.3	16.8	7.1	22	17	31.8
N2405-06-08	3/8	1/2	43.9	19.8	19.3	16.8	7.1	27	17	36.6
N2405-08-04	1/2	1/4	40.4	15.0	21.8	22.9	10.4	22	22	30.2
N2405-08-06	1/2	3/8	41.9	15.0	21.8	22.9	10.4	22	22	30.2
N2405-08-08	1/2	1/2	46.7	19.8	21.8	22.9	10.4	27	22	36.6
N2405-08-12	1/2	3/4	48.3	20.6	21.8	22.9	10.4	32	22	38.1
N2405-10-06	5/8	3/8	41.9	15.0	21.8	24.4	12.7	24	25	31.8
N2405-10-08	5/8	1/2	46.7	19.8	21.8	24.4	12.7	27	25	36.6
N2405-12-08	3/4	1/2	46.7	19.8	21.8	24.4	15.8	27	28.5	36.6
N2405-12-12	3/4	3/4	48.3	20.6	21.8	24.4	15.8	35	28.5	38.1
N2405-14-12	7/8	3/4	49.8	20.6	21.8	25.9	18.3	35	32	39.6
N2405-16-12	1	3/4	53.4	20.6	26.4	31.2	22.3	35	38	41.2
N2405-16-16	1	1	62.3	25.4	26.4	31.2	22.3	41	38	50.0
N2405-20-20	1-1/4	1-1/4	74.6	25.4	38.9	41.2	27.6	55	50	52.6
N2405-24-24	1-1/2	1-1/2	83.3	27.6	45.2	50.0	34.0	60	60	56.2

Reducer N2406

INCH OD Tubes To INCH OD Ports



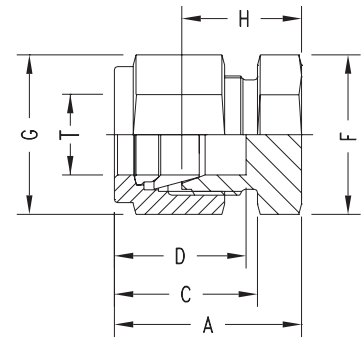
Part No.	T Tube OD	Tx Tube OD	A	C	D	E min.	F A/F	G A/F	H
N2406-02-02	1/8	1/8	33.5	15.3	12.7	2.0	11	11	26.9
N2406-02-04	1/8	1/4	36.0	15.3	12.7	4.8	11	11	29.5
N2406-04-02	1/4	1/8	36.8	17.8	15.3	2.0	14	14	29.5
N2406-04-04	1/4	1/4	39.1	17.8	15.3	4.8	14	14	31.8
N2406-04-06	1/4	3/8	40.6	17.8	15.3	4.8	14	14	33.3
N2406-04-08	1/4	1/2	46.3	17.8	15.3	4.8	14	14	38.9
N2406-05-06	5/16	3/8	41.9	18.6	16.3	6.3	14	16	34.6
N2406-05-08	5/16	1/2	46.5	18.6	16.3	6.3	14	16	40.2
N2406-06-04	3/8	1/4	41.4	19.3	16.8	7.1	16	17	34.0
N2406-06-06	3/8	3/8	43.2	19.3	16.8	7.1	16	17	35.8
N2406-06-08	3/8	1/2	48.5	19.3	16.8	7.1	16	17	41.2
N2406-08-04	1/2	1/4	45.0	21.8	22.9	4.8	22	22	34.8
N2406-08-06	1/2	3/8	46.7	21.8	22.9	7.1	22	22	36.6
N2406-08-08	1/2	1/2	52.3	21.8	22.9	9.9	22	22	42.2
N2406-08-12	1/2	3/4	53.8	21.8	22.9	10.4	22	22	43.7
N2406-08-16	1/2	1	60.2	21.8	22.9	10.4	22	22	50.0
N2406-10-12	10-12	3/4	54.6	21.8	24.4	12.7	24	25	44.5
N2406-10-14	10-12	7/8	56.2	21.8	24.4	12.7	24	25	46.0
N2406-12-08	3/4	1/2	54.6	21.8	24.4	9.9	27	28.5	44.5
N2406-12-16	12-16	1	62.5	21.8	24.4	15.8	27	28.5	52.3
N2406-16-20	16-20	1-1/4	80.5	26.4	31.2	22.3	35	38	68.3
N2406-16-24	16-24	1-1/2	89.2	26.4	31.2	22.3	41	38	77.0

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Cap N2408

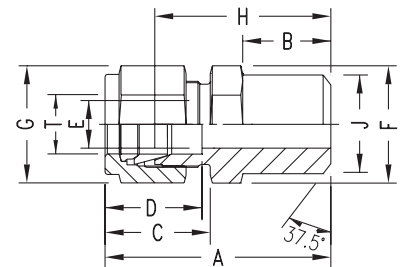
INCH OD Tubes



Part No.	T Tube OD	A	C	D	F A/F	G A/F	H
N2408-01	1/16	13.0	11.0	8.6	11	8	11.2
N2408-02	1/8	20.0	15.3	12.7	11	11	13.5
N2408-04	1/4	23.4	17.8	15.3	14	14	16.0
N2408-05	5/16	24.4	18.5	16.3	16	16	17.0
N2408-06	3/8	25.7	19.3	16.8	17	17	18.3
N2408-08	1/2	29.2	21.8	22.9	22	22	19.0
N2408-10	5/8	30.0	21.8	24.4	24	25	19.8
N2408-12	3/4	31.5	21.8	24.4	27	28.5	21.4
N2408-14	7/8	34.0	21.8	25.9	35	32	23.9
N2408-16	1	38.4	26.4	31.2	35	38	26.2
N2408-20	1-1/4	53.3	38.9	41.2	46	50	31.2
N2408-24	1-1/2	64.5	45.2	50.0	55	57	37.4
N2408-32	2	88.6	62.7	67.6	70.0	76.0	49.3

Butt Weld Male Connector N2425

INCH OD Tubes To Pipe

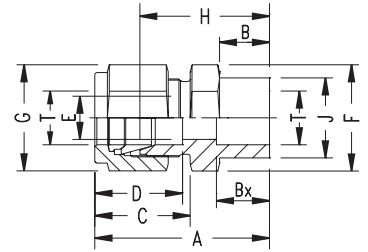


Part No.	T Tube OD	Pipe Weld Male	A	B	C	D	E min.	F A/F	G A/F	H	J
N2425-02-02	1/8	1/8	30.5	9.6	15.3	12.7	2.4	11	11	23.9	10.3
N2425-04-02	1/4	1/8	32.8	9.6	17.8	15.3	4.8	14	14	25.4	10.3
N2425-04-04	1/4	1/4	37.8	14.3	17.8	15.3	4.8	14	14	30.5	13.7
N2425-05-02	5/16	1/8	34.0	9.6	18.5	16.3	5.1	14	16	26.7	10.3
N2425-05-04	5/16	1/4	38.6	14.3	18.5	16.3	6.3	16	16	31.2	13.7
N2425-06-04	3/8	1/4	39.9	14.3	19.3	16.8	7.1	16	17	32.5	13.7
N2425-06-06	3/8	3/8	39.9	14.3	19.3	16.8	7.1	17	17	32.5	17.2
N2425-06-08	3/8	1/2	46.3	19.1	19.3	16.8	7.1	22	17	38.9	21.3
N2425-08-06	1/2	3/8	43.4	14.3	21.8	22.9	10.4	22	22	33.3	17.2
N2425-08-08	1/2	1/2	49.0	19.1	21.8	22.9	10.4	22	22	38.9	21.3
N2425-08-12	1/2	3/4	50.5	19.1	21.8	22.9	10.4	27	22	40.4	26.7
N2425-10-08	5/8	1/2	49.0	19.1	21.8	24.4	12.7	24	25	38.9	21.3
N2425-12-12	3/4	3/4	50.5	19.1	21.8	24.4	15.8	27	29	40.4	26.7
N2425-16-16	1	1	62.2	23.8	26.4	31.2	22.3	35	38	50.0	33.4
N2425-20-20	1-1/4	1-1/4	77.2	23.8	38.9	41.2	27.6	46	50	55.2	42.2
N2425-24-24	1-1/2	1-1/2	88.9	26.2	45.2	50.0	34	55	60	61.7	48.3

Double-Ferrule Tube Fittings

Socket Weld Male Connector N2426

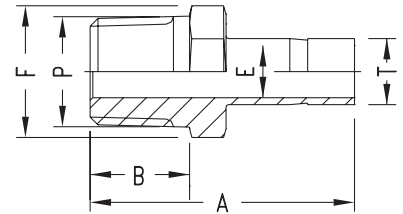
INCH OD Tubes



Part No.	T Tube OD	A	B	Bx	C	D	E min.	F A/F	G A/F	H	J
N2426-02-02	1/8	29.0	8.6	6.4	15.3	12.7	2.4	11	11	22.9	7.9
N2426-04-04	1/4	33.5	10.4	7.9	17.8	5.3	4.8	14	14	26.2	11.2
N2426-06-06	3/8	37.6	12.0	9.6	19.3	16.8	7.1	16	17	30.3	15.8
N2426-08-08	1/2	41.2	12.0	12.7	21.8	22.9	10.4	22	22	31.0	19.1
N2426-12-12	3/4	43.4	12.0	14.3	21.8	24.4	15.8	27	28.5	33.3	26.7
N2426-16-16	1	52.6	14.3	19.1	26.4	31.2	22.3	35	38	40.4	33.3
N2426-20-20	1-1/4	72.4	19.1	19.1	38.9	41.2	27.6	45	50	50.3	42.0
N2426-24-24	1-1/2	81.8	19.1	23.8	45.2	50.0	34.0	55	57	54.6	50.0

Male Adapter N2428

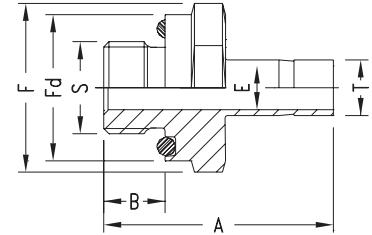
INCH OD Tubes x Male NPT Threads



Part No.	T Tube OD	P NPT Male	A	B	E min.	F A/F
N2428-02-02	1/8	1/8	29.5	9.6	4.8	11
N2428-02-04	1/8	1/4	34.8	14.4	7.1	14
N2428-04-02	1/4	1/8	31.8	9.6	4.8	11
N2428-04-04	1/4	1/4	37.0	14.3	4.8	14
N2428-04-06	1/4	3/8	37.8	14.3	4.8	19
N2428-04-08	1/4	1/2	43.4	19.1	4.8	22
N2428-05-04	5/16	1/4	38.1	14.3	6.3	14
N2428-06-04	3/8	1/4	38.9	14.3	7.1	14
N2428-06-06	3/8	3/8	39.6	14.3	7.1	19
N2428-06-08	3/8	1/2	45.2	19.1	7.1	22
N2428-08-04	1/2	1/4	44.5	14.3	7.1	14
N2428-08-06	1/2	3/8	45.2	14.3	9.9	19
N2428-08-08	1/2	1/2	50.8	19.1	9.9	22
N2428-10-08	5/8	1/2	52.3	19.1	11.9	22
N2428-12-08	3/4	1/2	52.3	19.1	11.9	22
N2428-12-12	3/4	3/4	52.3	19.1	15.0	27
N2428-16-12	1	3/4	58.7	19.1	15.7	27
N2428-16-16	1	1	66.0	23.8	20.3	35
N2428-20-20	1-1/4	1-1/4	80.3	23.8	27.6	45
N2428-24-24	1-1/2	1-1/2	94.5	26.2	33.2	55

O-Seal Male Adapter N2429

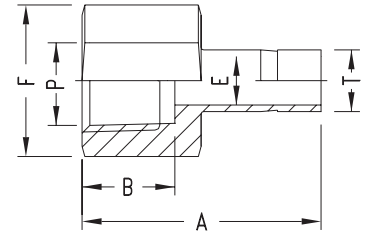
INCH OD Tubes x Male Straight Threads - UNF



Part No.	T Tube OD	S UNF Male	A	B	E min.	F	Fd A/F	O Ring Part No.
N2429-02-02	1/8	5/16-24	32.5	8.6	2.4	14	13.8	1 OPU
N2429-04-04	1/4	7/16-24	39.2	10.4	4.8	19	18.8	2 OPU
N2429-05-05	5/16	1/2-24	41.7	11.2	6.3	22	21.8	3 OPU
N2429-06-06	3/8	9/16-24	43.2	12.0	7.1	24	23.6	4 OPU
N2429-08-08	1/2	3/4-24	49.5	12.0	9.9	27	26.8	6 OPU
N2429-12-12	3/4	1-1/16-12	55.0	14.3	15.0	38	37.8	12 OPU
N2429-16-16	1	1-5/16-12	62.5	14.3	19.8	45	44.0	16 OPU
N2429-20-20	1-1/4	1-5/8-12	79.5	18.3	27.4	55	54.0	20 OPU
N2429-24-24	1-1/2	1-7/8-12	92.2	19.8	33.3	60	58.0	24 OPU

Female Adapter N2430

INCH OD Tubes X Female NPT Threads

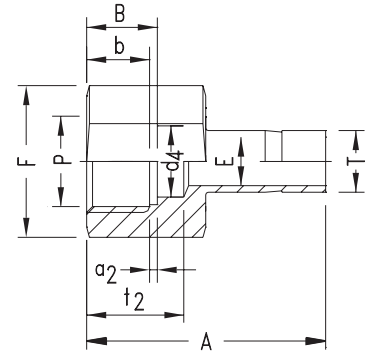


Part No.	T Tube OD	P NPT Female	A	B	E min.	F A/F
N2430-02-02	1/8	1/8	31.5	10.4	2.4	14
N2430-02-04	1/8	1/4	35.3	15.0	2.4	19
N2430-04-02	1/4	1/8	33.0	10.4	4.8	14
N2430-04-04	1/4	1/4	37.0	15.0	4.8	19
N2430-04-06	1/4	3/8	39.4	15.0	4.8	22
N2430-04-08	1/4	1/2	45.5	19.8	4.8	27
N2430-05-04	5/16	1/4	37.6	15.0	6.3	19
N2430-06-04	3/8	1/4	38.1	15.0	7.1	19
N2430-06-06	3/8	3/8	40.4	15.0	7.1	22
N2430-06-08	3/8	1/2	46.7	19.8	7.1	27
N2430-08-04	1/2	1/4	43.5	15.0	9.9	19
N2430-08-06	1/2	3/8	45.5	15.0	9.9	22
N2430-08-08	1/2	1/2	51.8	19.8	9.9	27
N2430-10-08	5/8	1/2	53.0	19.8	12.7	27
N2430-12-08	3/4	1/2	52.8	19.8	15.0	27
N2430-12-12	3/4	3/4	52.8	20.6	15.0	35
N2430-12-16	3/4	1	58.4	25.4	15.0	41
N2430-16-12	1	3/4	60.7	20.6	20.3	35
N2430-16-16	1	1	64.3	25.4	20.3	41
N2430-20-20	1-1/4	1-1/4	77.7	25.4	27.6	55
N2430-24-24	1-1/2	1-1/2	88.9	27.6	33.2	60

Double-Ferrule Tube Fittings

Female Gage Adapter N2431

INCH OD Ports X Female ISO Parallel Threads (gage)

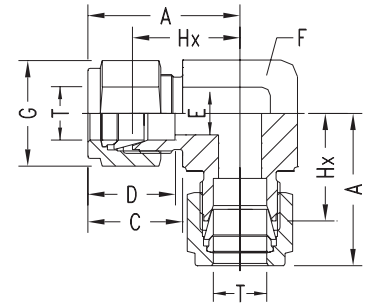


Part No.	T Tube OD	P ISO Female	A	B	E min.	F A/F	a2	d4	b	t2
N2431-04-04	1/4	1/4	35.3	13.0	4.8	19	1.6	5.8	9.4	17.0
N2431-06-06	3/8	3/8	39.4	14.2	6.6	24	1.6	—	9.9	—
N2431-08-08	1/2	1/2	45.7	18.8	7.1	27	1.6	—	14.5	—

No seal is made around the male thread. Instead, a gasket is dropped into the flat bottom in the female thread, and the end of the male threaded end exerts a load on the gasket to seal.

Union Elbow N2500

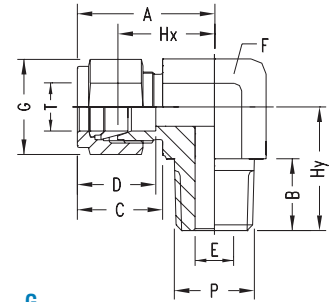
INCH OD Tubes



Part No.	T Tube OD	A	C	D	E min.	F A/F	G	Hx
N2500-01-01	1/16	17.8	11.0	8.6	1.3	11	8	14.0
N2500-02-02	1/8	22.4	15.3	12.7	2.4	11	11	15.8
N2500-04-04	1/4	26.9	17.8	15.3	4.8	14	14	19.6
N2500-05-05	5/16	28.7	18.5	16.3	6.3	16	16	21.3
N2500-06-06	3/8	30.5	19.3	16.8	7.1	17	17	23.2
N2500-08-08	1/2	36.0	21.8	22.9	10.4	22	22	25.9
N2500-10-10	5/8	38.1	21.8	24.4	12.7	24	25	27.9
N2500-12-12	3/4	39.9	21.8	24.4	15.8	27	28.5	29.7
N2500-14-14	7/8	44.7	21.8	25.9	18.2	35	32	34.6
N2500-16-16	1	49.0	26.4	31.2	22.3	35	38	36.8
N2500-20-20	1-1/4	66.6	38.9	41.2	27.6	46	50	44.5
N2500-24-24	1-1/2	78.0	45.2	50.0	34.0	55	57	50.8
N2500-32-32	2	107.2	62.7	67.6	46.0	70	76	69.9

Male Elbow N2501

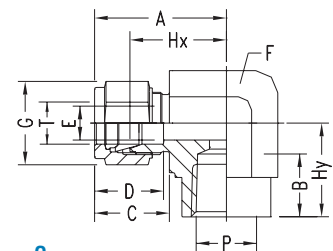
INCH OD Tubes x Male NPT Thread



Part No.	T Tube OD	P NPT Male	A	B	C	D	E min.	F A/F	G A/F	Hx	Hy
N2501-01-01	1/16	1/16	19.0	9.6	10.9	8.6	1.3	11	11	15.3	17.8
N2501-01-02	1/16	1/8	19.0	9.6	10.9	8.6	1.3	11	11	15.3	17.8
N2501-02-02	1/8	1/8	23.6	9.6	15.3	12.7	2.4	11	11	17.0	17.8
N2501-02-04	1/8	1/4	24.6	14.3	15.3	12.7	2.4	14	11	18.0	23.4
N2501-04-02	1/4	1/8	26.9	9.6	17.8	5.3	4.8	14	14	19.6	18.8
N2501-04-04	1/4	1/4	26.9	14.3	17.8	15.3	4.8	14	14	19.6	23.4
N2501-04-06	1/4	3/8	29.7	14.3	17.8	15.3	4.8	17	14	22.4	26.2
N2501-04-08	1/4	1/2	31.8	19.1	17.8	15.3	4.8	22	14	24.4	33.0
N2501-05-04	5/16	1/4	28.7	9.6	18.5	16.3	6.3	14	16	21.3	24.4
N2501-06-02	3/8	1/8	30.5	9.6	19.3	16.8	4.8	14	17	23.1	20.9
N2501-06-04	3/8	1/4	30.5	14.3	19.3	16.8	7.1	17	17	23.1	25.4
N2501-06-06	3/8	3/8	31.2	14.3	19.3	16.8	7.1	17	17	23.9	26.2
N2501-06-08	3/8	1/2	33.3	19.1	19.3	16.8	7.1	22	17	25.9	33.0
N2501-08-04	1/2	1/4	36.0	14.3	21.8	22.9	4.8	22	22	25.9	28.2
N2501-08-06	1/2	3/8	36.0	14.3	21.8	22.9	9.6	22	22	25.9	28.2
N2501-08-08	1/2	1/2	36.0	19.1	21.8	22.9	10.4	22	22	25.9	33.0
N2501-08-12	1/2	3/4	39.9	19.1	21.8	22.9	10.4	27	22	29.7	36.8
N2501-10-08	5/8	1/2	38.1	19.1	21.8	24.4	11.9	24	25	27.9	35.0
N2501-12-08	3/4	1/2	39.9	19.1	21.8	24.4	11.9	27	28.5	29.7	36.8
N2501-12-12	3/4	3/4	39.9	19.1	21.8	24.4	15.8	27	28.5	29.7	36.8
N2501-14-12	7/8	3/4	44.7	19.1	21.8	25.9	15.8	35	32	34.5	41.6
N2501-16-12	1	3/4	49.0	19.1	26.4	31.2	15.8	35	38	36.8	41.6
N2501-16-16	1	1	49.0	23.8	26.4	31.2	22.3	35	38	36.8	46.5
N2501-20-20	1-1/4	1-1/4	66.5	23.8	38.8	41.1	27.6	46	50	44.5	47.8
N2501-24-24	1-1/2	1-1/2	78.0	26.2	45.2	50.0	34.0	55	57	50.8	60.4
N2501-32-32	2	2	107.2	26.9	62.7	67.6	46.0	70	76	69.9	70.6

Female Elbow N2502

INCH OD Tubes x Female NPT Threads

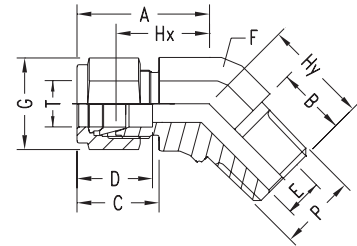


Part No.	T Tube OD	P NPT Female	A	B	C	D	E min.	F A/F	G A/F	Hx	Hy
N2502-02-02	1/8	1/8	24.6	10.4	15.3	12.7	2.4	14	11	18.0	19.0
N2502-02-04	1/8	1/4	27.4	15.0	15.3	12.7	2.4	19	11	20.8	22.4
N2502-04-02	1/4	1/8	26.9	10.4	17.8	15.3	4.8	14	14	19.6	19.0
N2502-04-04	1/4	1/4	29.7	15.0	17.8	15.3	4.8	19	14	22.4	22.4
N2502-04-06	1/4	3/8	31.8	15.0	17.8	15.3	4.8	22	14	24.4	22.4
N2502-04-08	1/4	1/2	34.6	19.8	17.8	15.3	4.8	27	14	27.2	28.5
N2502-05-02	5/16	1/8	28.7	10.4	17.8	15.3	6.3	19	14	21.4	19.1
N2502-05-04	5/16	1/4	30.5	15.0	18.5	16.3	6.3	22	16	23.2	22.4
N2502-06-02	3/8	1/8	30.5	10.4	19.3	16.8	7.1	17	17	23.2	19.1
N2502-06-04	3/8	1/4	31.2	15.0	19.3	16.8	7.1	19	17	23.9	22.4
N2502-06-06	3/8	3/8	33.3	15.0	19.3	16.8	7.1	22	17	25.9	22.4
N2502-06-08	3/8	1/2	36.0	19.8	19.3	16.8	7.1	27	17	28.7	28.5
N2502-08-04	1/2	1/4	36.0	15.0	21.8	22.9	7.1	22	22	25.9	22.4
N2502-08-06	1/2	3/8	36.0	15.0	21.8	22.9	10.4	22	22	25.9	22.4
N2502-08-08	1/2	1/2	38.9	19.8	21.8	22.9	10.4	27	22	28.7	28.5
N2502-10-06	5/8	3/8	38.1	15.0	21.8	22.9	12.7	24	22	28.0	22.4
N2502-10-08	5/8	1/2	39.9	19.8	21.8	24.4	12.7	27	25	29.7	28.5
N2502-12-08	3/4	1/2	39.9	19.8	21.8	24.4	15.8	27	28.5	29.7	28.5
N2502-12-12	3/4	3/4	44.7	20.6	21.8	24.4	15.8	35	28.5	34.6	31.8
N2502-14-12	7/8	3/4	44.7	20.6	21.8	25.9	18.2	35	32	34.6	31.8
N2502-16-12	1	3/4	49.0	20.6	26.4	31.2	22.3	35	38	36.8	31.8
N2502-16-16	1	1	53.6	25.4	26.4	31.2	22.3	41	38	41.4	38.1

Double-Ferrule Tube Fittings

45° Male Elbow N2503

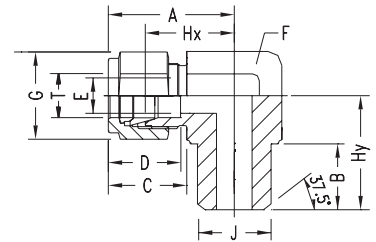
INCH OD Tubes x Male NPT Threads



Part No.	T Tube OD	P NPT Male	A	B	C	D	E min.	F A/F	G A/F	Hx	Hy
N2503-04-02	1/4	1/8	24.6	9.6	17.8	15.3	4.8	14	14	17.3	16.5
N2503-04-04	1/4	1/4	24.6	14.3	17.8	15.3	4.8	14	14	17.3	21.0
N2503-06-02	3/8	1/8	27.9	9.6	19.3	16.8	4.8	14	17	20.6	18.3
N2503-06-04	3/8	1/4	27.9	14.3	19.3	16.8	7.1	17	17	20.6	22.9
N2503-06-06	3/8	3/8	29.2	14.3	19.3	16.8	7.1	17	17	21.8	24.1
N2503-08-06	1/2	3/8	32.0	14.3	21.8	22.9	9.6	22	22	21.8	24.1
N2503-08-08	1/2	1/2	32.0	19.1	21.8	22.9	10.4	22	22	21.8	29.0
N2503-12-12	3/4	3/4	34.0	19.1	21.8	24.4	15.8	27	28.5	23.9	31.8
N2503-16-16	1	1	40.4	23.8	26.4	31.2	22.3	35	38	26.2	37.8

Butt Weld Male Elbow N2525

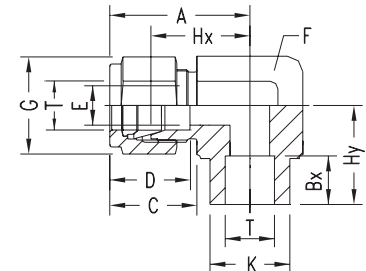
INCH OD Tubes to Pipe



Part No.	T Tube OD	Pipe Weld Male	A	B	C	D	E min.	F A/F	G A/F	Hx	Hy	J
N2525-04-02	1/4	1/8	27.0	9.6	17.8	15.3	4.8	14	14	19.6	18.8	10.3
N2525-04-04	1/4	1/4	27.0	14.3	17.8	15.3	4.8	14	14	19.6	23.4	13.7
N2525-06-04	3/8	1/4	30.5	14.3	19.3	16.8	7.1	16	17	23.1	25.9	13.7
N2525-08-08	1/2	1/2	36.0	19.1	21.8	22.9	10.4	22	22	25.9	33.0	21.3
N2525-12-12	3/4	3/4	39.9	19.1	21.8	24.4	15.8	27	29	29.7	36.8	26.7
N2525-16-16	1	1	49.0	23.8	26.4	31.2	22.3	35	38	36.8	46.5	33.4
N2525-20-20	1-1/4	1-1/4	66.5	23.8	38.9	41.2	27.6	45	50	44.5	47.8	42.2
N2525-24-24	1-1/2	1-1/2	78.0	26.2	45.2	50.0	34.0	50	57	50.8	60.5	48.3

Socket Weld Male Elbow N2526

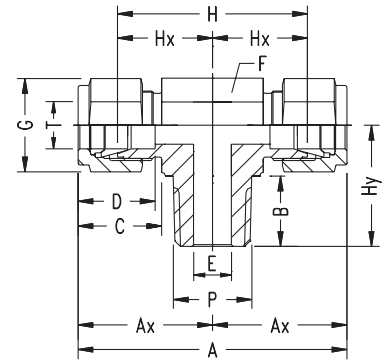
INCH OD Tubes



Part No.	T Tube OD	A	Bx	C	D	E min.	F A/F	G A/F	Hx	Hy	K
N2526-04-04	1/4	27.0	7.9	17.8	15.3	4.8	14	14	19.6	19.6	12.7
N2526-06-06	3/8	30.5	9.6	19.3	16.8	7.1	16	17	23.1	23.1	15.8
N2526-08-08	1/2	36.0	12.7	21.8	22.9	10.4	22	22	25.9	25.9	20.6
N2526-12-12	3/4	39.9	14.3	21.8	24.4	15.8	27	28.5	29.7	29.7	27.0
N2526-16-16	1	49.0	19.1	26.4	31.2	22.3	35	38	36.8	36.8	35.0
N2526-20-20	1-1/4	66.5	19.1	38.9	41.2	27.6	45	50	44.5	47.8	43.0
N2526-24-24	1-1/2	78.0	23.8	45.2	50.0	34.0	50	57	50.8	60.4	48.0

Male Branch Tee N2601

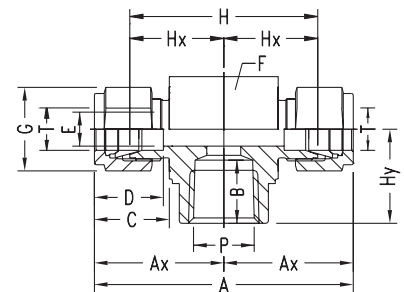
INCH OD Tubes x Male NPT Threads



Part No.	T Tube OD	P NPT Male	A	Ax	B	C	D	E min.	F	G A/F	H A/F	Hx	Hy
N2601-02-02-02	1/8	1/8	47.2	23.6	9.6	15.3	12.7	2.4	11	11	34.0	17.0	17.8
N2601-02-02-04	1/8	1/4	49.2	24.6	14.3	15.3	12.7	2.4	14	11	36.0	18.0	23.4
N2601-04-04-02	1/4	1/8	53.8	26.9	9.6	17.8	15.3	4.8	14	14	39.2	19.6	18.8
N2601-04-04-04	1/4	1/4	53.8	26.9	14.3	17.8	15.3	4.8	14	14	39.2	19.6	23.4
N2601-04-04-06	1/4	3/8	59.4	29.7	14.3	17.8	15.3	4.8	17	14	44.8	22.4	26.2
N2601-04-04-08	1/4	1/2	63.6	31.8	19.1	17.8	15.3	4.8	22	14	44.8	24.4	33.0
N2601-06-06-04	3/8	1/4	61.0	30.5	14.3	19.3	16.8	7.1	17	17	46.2	23.1	25.4
N2601-06-06-06	3/8	3/8	62.4	31.2	14.3	19.3	16.8	7.1	17	17	47.8	23.9	26.2
N2601-06-06-08	3/8	1/2	66.0	33.0	19.1	19.3	16.8	7.1	22	17	51.8	25.9	33.0
N2601-08-08-04	1/2	1/4	72.0	36.0	14.3	21.8	22.9	4.8	22	22	51.8	25.9	28.2
N2601-08-08-06	1/2	3/8	72.0	36.0	14.3	21.8	22.9	9.6	22	22	51.8	25.9	28.2
N2601-08-08-08	1/2	1/2	72.0	36.0	19.1	21.8	22.9	10.4	22	22	51.8	25.9	33.0
N2601-10-10-08	5/8	1/2	76.2	38.1	19.1	21.8	24.4	11.9	22	25	55.8	27.9	35.0
N2601-12-12-08	3/4	1/2	79.8	39.9	19.1	21.8	24.4	11.9	27	29	59.4	29.7	36.8
N2601-12-12-12	3/4	3/4	79.8	39.9	19.1	21.8	24.4	15.8	27	29	59.4	29.7	36.8
N2601-16-16-12	1	3/4	98.0	49.0	19.1	26.4	31	15.8	35	38	73.6	36.8	41.6
N2601-16-16-16	1	1	98.0	49.0	23.8	26.4	31	22.3	35	38	73.6	36.8	46.5
N2601-20-20-20	1-1/4	1-1/4	133.0	66.5	23.8	38.8	41.1	27.6	46	50	89.0	44.5	47.6
N2601-24-24-24	1-1/2	1-1/2	156.0	78.0	26.2	45.2	50.0	34.0	55	57	101.6	50.8	60.4

Female Branch Tee N2602

INCH OD Tubes x Female NPT Threads

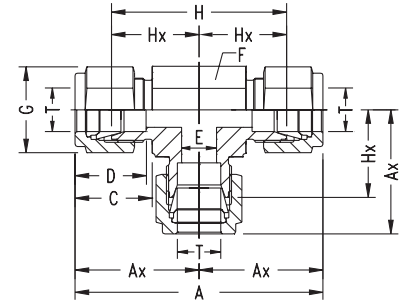


Part No.	T Tube OD	P NPT Female	A	Ax	B	C	D	E min.	F A/F	G A/F	H	Hx	Hy
N2602-02-02-02	1/8	1/8	49.2	24.6	10.4	15.3	12.7	2.4	14	11	36.0	18.0	19.0
N2602-04-04-02	1/4	1/8	53.8	26.9	10.4	17.8	15.3	4.8	14	14	39.2	19.6	19.0
N2602-04-04-04	1/4	1/4	59.4	27.9	15.0	17.8	15.3	4.8	19	14	44.8	22.4	22.4
N2602-06-06-04	3/8	1/4	62.4	31.2	15.0	19.3	16.8	7.1	16	16	47.8	23.9	22.4
N2602-06-06-06	3/8	3/8	66.6	33.3	15.0	19.3	16.8	7.1	19	16	51.8	25.9	22.4
N2602-08-08-06	1/2	3/8	72.0	36.0	15.0	21.8	22.9	10.4	19	19	51.8	25.9	22.4
N2602-08-08-08	1/2	1/2	77.8	38.9	19.8	21.8	22.9	10.4	22	22	57.4	28.7	28.5
N2602-12-12-12	3/4	3/4	89.4	44.7	20.6	21.8	24.4	15.8	35	22	69.2	34.6	31.8
N2602-16-16-12	1	3/4	98.0	49.0	20.6	26.4	31.2	22.3	35	25	73.6	36.8	31.8
N2602-16-16-16	1	1	107.2	53.6	25.4	26.4	31.2	22.3	41	38	82.8	41.4	38.1

Double-Ferrule Tube Fittings

Union Tee N2603

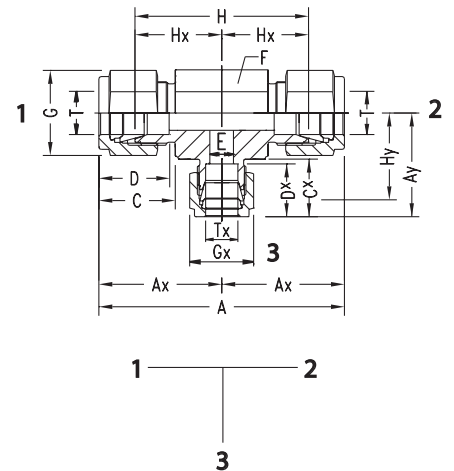
INCH OD Tubes



Part No.	T Tube OD	A	Ax	C	D	E min.	F A/F	G A/F	H	Hx
N2603-01-01-01	1/16	35.6	17.8	11.0	8.6	1.3	11	8	28.0	14.0
N2603-02-02-02	1/8	44.8	22.4	15.3	12.7	2.4	11	11	31.6	15.8
N2603-04-04-04	1/4	53.8	26.9	17.8	15.3	4.8	14	14	39.2	19.6
N2603-05-05-05	5/16	57.4	28.7	18.5	16.3	6.3	16	16	42.6	21.3
N2603-06-06-06	3/8	61.0	30.5	19.3	16.8	7.1	17	17	46.4	23.2
N2603-08-08-08	1/2	72.0	36.0	21.8	22.9	10.4	22	22	51.8	25.9
N2603-10-10-10	5/8	76.2	38.1	21.8	24.4	12.7	24	25	55.8	27.9
N2603-12-12-12	3/4	79.8	39.9	21.8	24.4	15.8	27	28.5	59.4	29.7
N2603-14-14-14	7/8	89.4	44.7	21.8	25.9	18.2	35	32	69.2	34.6
N2603-16-16-16	1	98.0	49.0	26.4	31.2	22.3	35	38	73.6	36.8
N2603-20-20-20	1-1/4	133.2	66.6	38.9	41.2	27.6	46	50	89.0	44.5
N2603-24-24-24	1-1/2	156.0	78.0	45.2	50.0	34.0	55	57	101.6	50.8
N2603-32-32-32	2	214.4	107.4	62.7	67.9	46.0	70	76	139.8	69.9

Reducing Union Tee N2603

INCH OD Tubes

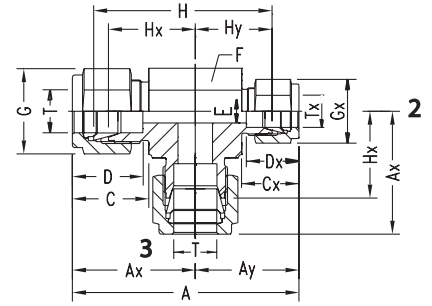


Part No.	T Tube OD	Tx Tube OD	A	Ax	Ay	C	Cx	D	Dx	E min.	F A/F	G A/F	Gx A/F	H	Hx	Hy
N2603-06-06-04	3/8	1/4	61.0	30.5	29.0	19.3	17.8	16.8	15.3	4.8	16	17	14	46.2	23.1	21.6
N2603-08-08-04	1/2	1/4	72.2	36.0	31.8	21.8	17.8	22.9	15.3	4.8	22	22	14	51.8	25.9	24.4
N2603-08-08-06	1/2	3/8	72.2	36.0	33.3	21.8	19.3	22.9	16.8	7.1	22	22	17	51.8	25.9	25.9
N2603-12-12-06	3/4	3/8	79.8	39.9	37.0	21.8	19.3	24.4	16.8	7.1	27	28.5	17	59.4	29.7	29.7
N2603-12-12-08	3/4	1/2	79.8	39.9	39.9	21.8	21.8	24.4	22.9	10.4	27	28.5	22	59.4	29.7	29.7
N2603-16-16-06	1	3/8	98.0	49.0	41.9	26.4	19.3	31.2	16.8	7.1	35	38	17	73.6	36.8	34.5
N2603-16-16-08	1	1/2	98.0	49.0	44.7	26.4	22.9	31.2	21.8	10.4	35	38	22	73.6	36.8	34.5
N2603-16-16-12	1	3/4	98.0	49.0	44.7	26.4	24.4	31.2	24.4	15.8	35	38	28.5	73.6	36.8	34.5
N2603-20-20-16	1-1/4	1	135.6	67.8	55.1	38.9	26.4	41.2	31.2	22.3	46	50	38	91.4	45.7	42.9
N2603-24-24-16	1-1/2	1	157.5	78.7	60.0	44.7	26.4	50.0	31.2	22.3	55	57	38	103.2	51.6	47.8

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Reducing Union Tee N2603 *Continued*

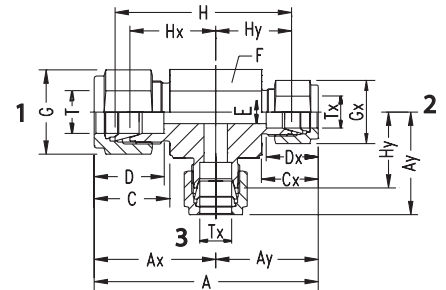
INCH OD Tubes



Part No.	T Tube OD	Tx Tube OD	A	Ax	Ay	C	Cx	D	Dx	E min.	F A/F	G A/F	Gx A/F	H	Hx	Hy
N2603-06-04-06	3/8	1/4	59.4	30.5	29.0	19.3	17.8	16.8	15.3	4.8	16	17	14	44.7	23.1	21.6
N2603-08-04-08	1/2	1/4	67.7	36.0	31.7	21.8	17.8	22.9	15.3	4.8	22	22	14	50.2	25.9	24.3
N2603-08-06-08	1/2	3/8	69.3	36.0	33.3	21.8	19.3	22.9	16.8	7.1	22	22	17	51.8	25.9	25.9
N2603-12-06-12	3/4	3/8	77.0	39.9	37.1	21.8	19.3	24.4	16.8	7.1	27	28.5	17	59.4	29.7	29.7
N2603-12-08-12	3/4	1/2	79.8	39.9	39.9	21.8	21.8	24.4	22.9	10.4	27	28.5	22	59.4	29.7	29.7
N2603-16-06-16	1	3/8	98.9	49.0	41.9	26.4	19.3	31.2	16.8	7.1	35	38	17	71.3	36.8	34.5
N2603-16-08-16	1	1/2	93.7	49.0	44.7	26.4	21.8	31.2	21.8	10.4	35	38	22	71.3	36.8	34.5
N2603-16-12-16	1	3/4	93.7	49.0	44.7	26.4	21.8	31.2	24.4	15.8	35	38	28.5	71.3	36.8	34.5
N2603-20-16-20	1-1/4	1	119.6	67.8	53.0	38.9	26.4	41.2	31.2	18.2	46	50	38	85.3	45.7	40.8
N2603-24-20-24	1-1/2	1	150.9	78.7	72.9	45.2	38.9	50.0	41.3	27.6	55	57	38	101.6	50.8	50.8

Reducing Union Tee N2603 *Continued*

INCH OD Tubes



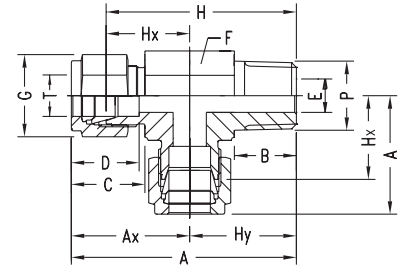
Part No.	T Tube OD	Tx Tube OD	A	Ax	Ay	C	Cx	D	Dx	E min.	F A/F	G A/F	Gx A/F	H	Hx	Hy
N2603-06-04-04	3/8	1/4	59.6	30.6	29.0	19.3	17.8	16.8	15.3	4.8	16	17	14	44.8	23.2	21.6
N2603-08-04-04	1/2	1/4	67.7	36.0	31.7	21.8	17.8	22.9	15.3	4.8	22	22	14	50.2	25.9	24.3
N2603-08-06-06	1/2	3/8	69.3	36.0	33.2	21.8	19.3	22.9	16.8	7.1	22	22	17	51.8	25.9	25.9
N2603-12-06-06	3/4	3/8	77.0	38.9	37.0	21.8	19.3	24.4	16.8	7.1	27	28.5	17	59.4	29.7	29.7
N2603-12-08-08	3/4	1/2	79.8	39.9	39.9	21.8	21.8	24.4	22.9	10.4	27	28.5	22	59.4	29.7	29.7
N2603-16-06-06	1	3/8	99.9	39.9	41.9	26.4	19.3	31.2	16.8	7.1	35	38	17	71.3	36.8	34.5
N2603-16-08-08	1	1/2	93.7	49.0	44.7	26.4	22.9	31.2	21.8	10.4	35	38	22	71.3	36.8	34.5
N2603-16-12-12	1	3/4	93.7	49.0	44.7	26.4	24.4	31.2	24.4	15.8	35	38	28.5	71.3	36.8	34.5
N2603-20-16-16	1-1/4	1	122.9	67.8	55.1	38.9	26.4	41.2	31.2	22.3	46	50	38	88.6	45.7	42.9
N2603-24-16-16	1-1/2	1	138.7	78.7	60.0	44.7	26.4	50.0	31.2	22.3	50	57	38	99.4	51.6	47.8

NOTE: The order of the sizes is as per the designation (1-2-3) in figure shown above.

Double-Ferrule Tube Fittings

Male Run Tee N2605

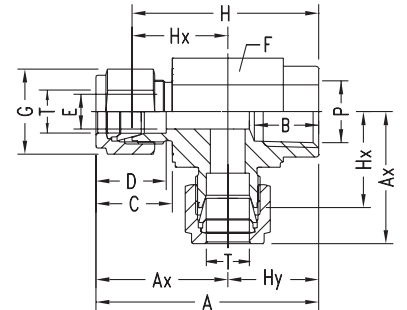
INCH OD Tubes x Male NPT Threads



Part No.	T Tube OD	P NPT Male	A	Ax	B	C	D	E min.	F	G A/F	H A/F	Hx	Hy
N2605-02-02-02	1/8	1/8	41.4	23.6	9.6	15.3	12.7	2.4	11	11	34.8	17.0	17.8
N2605-02-04-02	1/8	1/4	48.0	24.6	14.3	15.3	12.7	2.4	14	11	41.4	18.0	23.4
N2605-04-02-04	1/4	1/8	45.7	26.9	9.6	17.8	15.3	4.8	14	14	38.4	19.6	18.8
N2605-04-04-04	1/4	1/4	50.3	26.9	14.3	17.8	15.3	4.8	14	14	43	19.6	23.4
N2605-04-06-04	1/4	3/8	55.9	29.7	14.3	17.8	15.3	4.8	17	14	48.8	22.4	26.2
N2605-04-08-04	1/4	1/2	64.8	31.8	19.1	17.8	15.3	4.8	22	14	57.4	24.4	33.0
N2605-06-04-06	3/8	1/4	55.9	30.5	14.3	19.3	16.8	7.1	17	17	48.5	23.1	25.4
N2605-06-06-06	3/8	3/8	57.4	31.2	14.3	19.3	16.8	7.1	17	17	50.1	23.9	26.2
N2605-06-08-06	3/8	1/2	66.0	33.0	19.1	19.3	16.8	7.1	22	17	58.9	25.9	33.0
N2605-08-04-08	1/2	1/4	64.2	36.0	14.3	21.8	22.9	4.8	22	22	54.1	25.9	28.2
N2605-08-06-08	1/2	3/8	64.2	36.0	14.3	21.8	22.9	9.6	22	22	54.1	25.9	28.2
N2605-08-08-08	1/2	1/2	69.0	36.0	19.1	21.8	22.9	10.4	22	22	58.9	25.9	33.0
N2605-10-08-08	5/8	1/2	73.1	38.1	19.1	21.8	24.4	11.9	22	25	62.9	27.9	35.0
N2605-12-08-12	3/4	1/2	76.7	39.9	19.1	21.8	24.4	11.9	27	29	66.5	29.7	36.8
N2605-12-12-12	3/4	3/4	76.7	39.9	19.1	21.8	24.4	15.8	27	29	66.5	29.7	36.8
N2605-16-12-16	1	3/4	90.6	49.0	19.1	26.4	31.2	15.8	35	38	78.4	36.8	41.6
N2605-16-16-16	1	1	95.5	49.0	23.8	26.4	31.2	22.3	35	38	83.3	36.8	46.5
N2605-20-20-20	1-1/4	1-1/4	114.1	66.5	23.8	38.8	41.1	27.6	46	50	92.1	44.5	47.6
N2605-24-24-24	1-1/2	1-1/2	138.4	78.0	26.2	45.2	50.0	34.0	55	57	111.2	50.8	60.4

Female Run Tee N2606

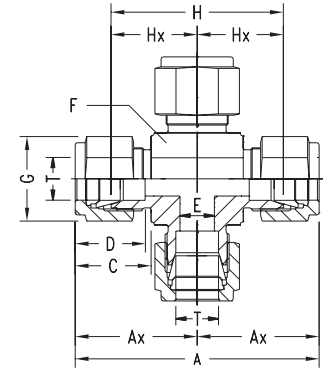
INCH OD Tubes x Female NPT Threads



Part No.	T Tube OD	P NPT Female	A	Ax	B	C	D	E min.	F A/F	G A/F	H	Hx	Hy
N2606-02-02-02	1/8	1/8	43.6	24.6	10.4	15.3	12.7	2.4	14	11	37.0	18.0	19.0
N2606-04-02-04	1/4	1/8	45.9	26.9	10.4	17.8	15.3	4.8	14	14	38.6	19.6	19.0
N2606-04-04-04	1/4	1/4	52.1	29.7	15.0	17.8	15.3	4.8	19	14	44.8	22.4	22.4
N2606-06-04-06	3/8	1/4	53.6	31.2	15.0	19.3	16.8	7.1	19	17	46.3	23.9	22.4
N2606-06-06-06	3/8	3/8	55.7	33.3	15.0	19.3	16.8	7.1	22	17	48.3	25.9	22.4
N2606-08-06-08	1/2	3/8	58.4	36.0	15.0	21.8	22.9	10.4	22	22	48.3	25.9	22.4
N2606-08-08-08	1/2	1/2	67.4	38.9	19.8	21.8	22.9	10.4	27	22	57.2	28.7	28.5
N2606-12-12-12	3/4	3/4	76.5	44.7	20.6	21.8	24.4	15.8	35	29	66.4	34.6	31.8
N2606-16-12-16	1	3/4	80.8	49.0	20.6	26.4	31	22.3	35	38	68.6	36.8	31.8
N2606-16-16-16	1	1	91.7	53.6	25.4	26.4	31	22.3	41	38	79.5	41.4	38.1

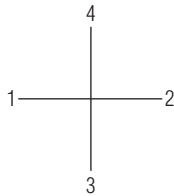
Cross N2650

INCH OD Tubes



Part No.	T Tube OD	A	Ax	C	D	E min.	F A/F	G A/F	H	Hx
N2650-02-02	1/8	44.8	22.4	15.3	12.7	2.4	11	11	31.6	15.8
N2650-04-04	1/4	53.8	26.9	17.8	15.3	4.8	14	14	39.2	19.6
N2650-06-06	3/8	61.0	30.5	19.3	16.8	7.1	17	17	46.4	23.2
N2650-08-08	1/2	72.0	36.0	21.8	22.9	10.4	22	22	51.8	25.9
N2650-12-12	3/4	79.8	39.9	21.8	24.4	15.8	27	28.5	59.4	29.7
N2650-16-16	1	98.0	49.0	26.4	31.2	22.3	35	38	73.6	36.8

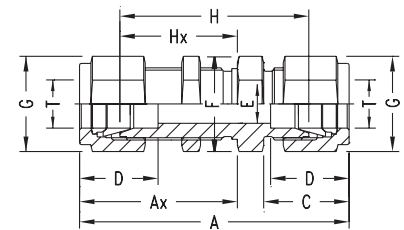
NOTE: Reducing Cross with variation in the tube sizes are available. The tube sizes are designated in the order given below.



The tube sizes are indicated in the part number in the same order above.

Bulkhead Union N2700-LN

INCH OD Tubes

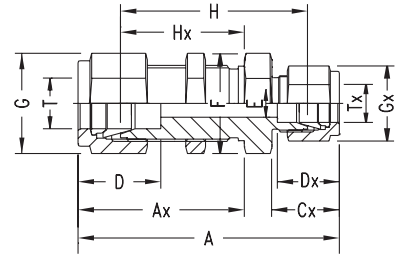


Part No.	T Tube OD	A	Ax	C	D	E min.	F A/F	G A/F	H	Hx	Panel Hole Drill Size	Max. Panel Thickness
N2700-LN-01-01	1/16	31.5	17.3	11.0	8.6	1.3	11	8	23.8	13.5	5.2	3.0
N2700-LN-02-02	1/8	51.3	31.2	15.3	12.7	2.4	11	11	38.1	24.6	8.3	12.7
N2700-LN-04-04	1/4	57.6	33.6	17.8	15.3	4.8	16	14	43.0	26.2	11.5	10.1
N2700-LN-05-05	5/16	60.7	35.8	18.5	16.3	6.3	17	16	46.0	28.5	13.0	11.1
N2700-LN-06-06	3/8	62.2	36.8	19.3	7.1	7.1	22	17	47.5	29.5	14.6	11.1
N2700-LN-08-08	1/2	71.1	41.9	21.8	22.9	10.4	24	22	50.8	31.8	19.5	12.7
N2700-LN-10-10	5/8	72.6	42.7	21.8	24.4	12.7	27	25	52.3	32.5	22.6	12.7
N2700-LN-12-12	3/4	79.0	47.5	21.8	24.4	16.0	30	28.5	58.6	37.4	25.8	16.8
N2700-LN-16-16	1	95.6	57.4	26.4	31.2	22.3	35	38	71.3	45.2	33.7	19.0
N2700-LN-20-20	1-1/4	123.2	69.9	38.9	41.2	27.6	50	50	79.0	47.7	41.6	19.0
N2700-LN-24-24	1-1/2	139.2	76.4	45.2	50.0	34.0	60	57	84.8	49.3	49.6	19.0
N2700-LN-32-32	2	180.4	93.7	62.7	67.6	46.0	70	76	105.6	56.4	67.0	19.0

Double-Ferrule Tube Fittings

Bulkhead Reducing Union N2700-LN

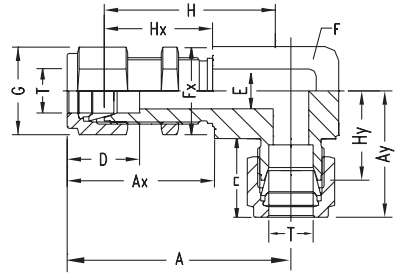
INCH OD Tubes



Part No.	T Tube OD	Tx Tube OD	A	Ax	Cx	D	Dx	E min.	F A/F	G A/F	Gx A/F	H	Hx	Panel Hole Drill Size	Max. Panel Thickness
N2700-LN-04-02	1/4	1/8	55.2	33.5	15.3	15.3	12.7	2.4	16	14	11	41.2	26.2	11.5	10.2
N2700-LN-06-04	3/8	1/4	60.7	36.6	17.8	16.8	15.3	4.8	22	17	14	46.0	29.5	14.6	11.2
N2700-LN-08-04	1/2	1/4	66.8	41.9	17.8	22.4	15.3	4.8	24	22	14	49.2	31.8	19.5	12.7
N2700-LN-08-06	1/2	3/8	66.8	41.9	17.8	22.4	16.8	7.1	24	22	17	49.2	31.8	19.5	12.7

Bulkhead Union Elbow N2701-LN

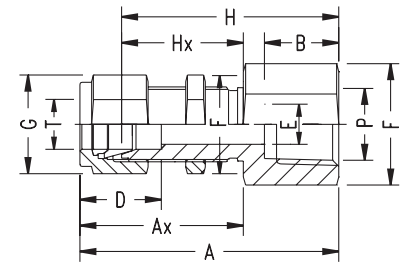
INCH OD Tubes



Part No.	T Tube OD	A	Ax	Ay	C	D	E min.	F A/F	G A/F	H	Hx	Hy	Panel Hole Drill Size	Max. Panel Thickness
N2701-LN-02-02	1/8	43.1	31.2	22.4	15.3	12.7	2.4	11	11	36.5	24.6	15.8	8.3	12.7
N2701-LN-04-04	1/4	48.9	33.6	26.9	17.8	15.3	4.8	16	14	41.5	26.2	19.6	11.5	10.1
N2701-LN-06-06	3/8	54.1	36.8	30.5	19.3	16.8	7.1	22	17	46.8	29.5	23.2	14.6	11.1
N2701-LN-08-08	1/2	63.5	41.9	36.0	21.8	22.9	10.4	24	22	53.4	31.8	25.9	19.5	12.7
N2701-LN-12-12	3/4	75.3	47.5	39.9	21.8	24.4	16.0	30	29	65.2	37.4	29.7	25.8	16.8
N2701-LN-16-16	1	91.8	57.4	49.0	26.4	31.2	22.3	35	38	79.6	45.2	36.8	33.7	19.0

Bulkhead Female Connector N2705

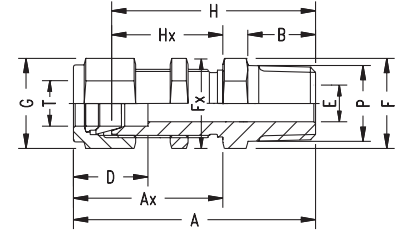
INCH OD Tubes x Female NPT Threads



Part No.	T Tube OD	P NPT Female	A	Ax	B	D	E min.	F A/F	G A/F	H	Hx	Panel Hole Drill Size	Max. Panel Thickness
N2705-02-02	1/8	1/8	44.7	31.2	10.4	12.7	2.4	14	11	38.1	24.6	8.3	12.7
N2705-04-02	1/4	1/8	47.0	33.5	10.4	15.3	4.8	16	14	39.7	26.2	11.5	10.2
N2705-04-04	1/4	1/4	51.5	33.5	15.0	15.3	4.8	19	14	44.2	26.2	11.5	10.2
N2705-06-04	3/8	1/4	54.8	36.8	15.0	16.8	7.1	19	17	47.5	29.5	14.7	11.2
N2705-08-06	1/2	3/8	61.7	41.9	15.0	22.9	10.4	22	22	51.6	31.0	19.5	12.7
N2705-08-08	1/2	1/2	66.7	41.9	19.8	22.9	10.4	27	22	56.6	31.0	19.5	12.7
N2705-10-08	5/8	1/2	67.6	42.7	19.8	22.9	12.7	27	25	57.4	32.5	22.6	12.7
N2705-12-12	3/4	3/4	72.4	47.5	19.8	24.4	16.0	35	28.5	62.3	37.4	25.8	16.8
N2705-L-12-12	3/4	3/4	74.7	47.5	20.6	24.4	16.0	35	28.5	64.3	37.4	25.8	16.8
N2705-16-16	1	1	84.3	57.4	20.6	31.2	16.0	35	38	72.1	45.2	33.7	19.0
N2705-20-20	1-1/4	1-1/4	105.7	69.9	25.4	41.2	27.6	50	50	83.5	47.7	41.6	19.0
N2705-24-24	1-1/2	1-1/2	144.5	76.4	27.6	50.0	34.0	60	57	87.4	49.3	49.6	19.0

Bulkhead Male Connector N2706

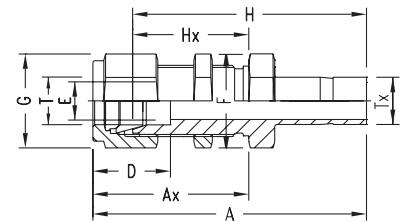
INCH OD Tubes x Male NPT Threads



Part No.	T Tube OD	P NPT Male	A	Ax	B	D	E min.	F A/F	G A/F	H	Hx	Panel Hole Drill Size	Max. Panel Thickness
N2706-02-02	1/8	1/8	46.4	31.2	9.6	12.7	2.4	14	11	39.8	24.6	8.3	12.7
N2706-04-02	1/4	1/8	49.5	33.5	9.6	15.3	4.8	16	14	42.2	26.2	11.5	10.2
N2706-04-04	1/4	1/4	54.1	33.5	14.3	15.3	4.8	16	14	46.7	26.2	11.5	10.2
N2706-06-04	3/8	1/4	57.4	36.8	14.3	16.8	7.1	19	17	50.0	29.5	14.7	11.2
N2706-06-06	3/8	3/8	57.4	36.8	14.3	16.8	7.1	19	17	50.0	29.5	14.7	11.2
N2706-06-08	3/8	1/2	63.7	36.8	19.1	16.8	7.1	22	17	56.5	29.5	14.7	11.2
N2706-08-06	1/2	3/8	63.3	41.9	14.3	22.9	9.6	24	22	53.0	31.8	19.5	12.7
N2706-08-08	1/2	1/2	68.8	41.9	19.1	22.9	10.4	24	22	58.8	31.8	19.5	12.7
N2706-12-12	3/4	3/4	76.2	47.5	19.1	24.4	15.8	30	28.5	66.9	37.4	25.8	16.8
N2706-16-16	1	1	93.2	57.4	23.9	31.2	22.3	41	38	81.0	45.2	33.7	19.0
N2706-20-20	1-1/4	1-1/4	110.5	72.5	23.9	41.2	27.6	50	50	87.5	49.5	42.5	19.0
N2706-24-24	1-1/2	1-1/2	122.8	79.1	26.2	50.0	34.0	60	57	95.5	51.5	50.5	19.0

Bulkhead Reducer N2709

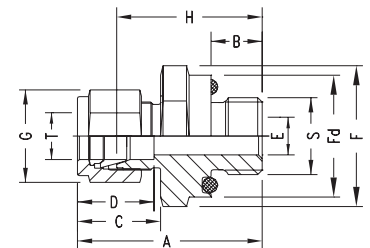
INCH OD Tubes



Part No.	T Tube OD	Tx Tube OD	A	Ax	D	E min.	F A/F	G A/F	H D	Hx	Panel Hole Drill Size	Max. Panel Thickness
N2709-02-02	1/8	1/8	49.5	31.3	12.7	2.0	11	11	43.0	24.6	8.3	12.7
N2709-04-04	1/4	1/4	55.9	33.5	15.3	4.8	16	14	48.5	26.2	11.5	10.2
N2709-06-06	3/8	3/8	60.8	36.8	16.8	7.1	19	17	53.8	29.5	14.7	11.2
N2709-08-08	1/2	1/2	72.9	41.9	22.9	9.9	24	22	62.7	31.8	19.5	12.7
N2709-10-10	5/8	5/8	75.2	42.7	23.6	12.7	27	25	65.0	32.5	22.6	12.7
N2709-16-16	1	1	100.4	57.4	31.2	20.3	35	38	88.1	45.2	33.7	19.1
N2709-20-20	1-1/4	1-1/4	120.7	69.9	41.2	27.4	50	50	89.9	47.7	41.6	19.1
N2709-24-24	1-1/2	1-1/2	127.2	76.4	50.0	33.0	60	60	100.1	49.3	49.6	19.1

O Seal Male Connector N6400

INCH OD Tube x Male Straight Threads - UNF

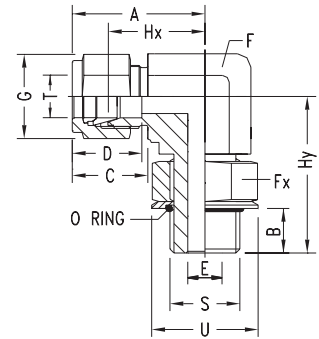


Part No.	T Tube OD	S Thread Male	A	B	C	D	E min.	F A/F	Fd	G A/F	H	O Ring Part No.
N6400-02-02-0	1/8	5/16-24	32.8	8.6	15.3	12.7	2.4	14	13.8	11	26.2	1 OPU
N6400-04-04-0	1/4	7/16-20	38.4	10.4	17.8	15.3	4.8	19	18.8	14	31.0	2 OPU
N6400-05-05-0	5/16	1/2-20	40.6	11.2	18.5	16.3	6.3	22	21.8	16	33.3	3 OPU
N6400-06-06-0	3/8	9/16-18	42.4	12.0	19.3	16.8	7.1	24	23.6	17	35.0	4 OPU
N6400-08-08-0	1/2	3/4-16	46.0	12.0	21.8	22.9	10.4	28.5	28.0	22	35.8	6 OPU
N6400-12-12-0	3/4	1-1/16-12	52.4	14.3	21.8	24.4	15.8	38	37.8	28.5	42.2	12 OPU
N6400-16-16-0	1	1-5/16-12	58.2	14.3	26.4	31.2	22.3	45	44.0	38	46.0	16 OPU
N6400-20-20-0	1-1/4	1-5/8-12	76.2	18.3	38.9	41.4	27.6	55	54.0	50	54.1	20 OPU
N6400-24-24-0	1-1/2	1-7/8-12	86.6	19.8	45.2	50.0	34.0	60	58.0	57	59.4	24 OPU

Double-Ferrule Tube Fittings

Positionable Male Elbow N6801

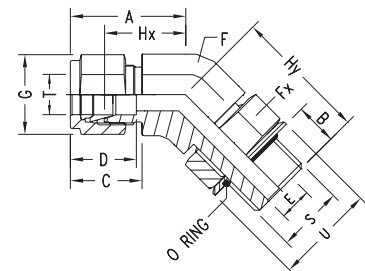
INCH OD Tube x SAE/MS Straight Threads



Part No.	T Tube OD	P ISO Male	Ax	B	C	D	E min.	F	Fx A/F	G A/F	Hx	Hy	U	O Ring Part No.
N6801-04-04-NWO	1/4	7/16-20	28.5	9.9	17.8	15.3	4.8	14	14	14	21.0	28.5	16.5	4 OPU
N6801-04-06-NWO	1/4	9/16-18	30.5	11.2	17.8	15.3	4.8	16	17	14	23.1	32.3	20.0	6 OPU
N6801-06-06-NWO	3/8	9/16-18	32.0	11.2	19.3	16.8	7.1	16	17	17	24.6	32.3	20.0	6 OPU
N6801-06-08-NWO	3/8	3/4-16	34.8	12.7	19.3	16.8	7.1	22	22	17	27.4	37.8	25.6	8 OPU
N6801-08-08-NWO	1/2	3/4-16	37.6	12.7	21.8	22.9	10.4	22	22	22	27.4	37.8	25.6	8 OPU
N6801-10-10-NWO	5/8	7/8-14	39.6	14.3	21.8	24.4	12.7	24	25	25	29.5	43.4	29.5	10 OPU
N6801-12-12-NWO	3/4	1-1/16-12	41.4	16.8	21.8	24.4	15.8	27	32	28.5	31.2	48.8	36.6	12 OPU
N6801-14-14-NWO	7/8	1-1/16-12	43.2	16.8	21.8	25.9	18.3	30	32	32	33	50.5	40.4	14 OPU
N6801-16-16-NWO	1	1-5/8-12	50.5	16.8	26.4	31.2	22.3	35	35	38	38.4	53.6	44.0	16 OPU
N6801-20-20-NWO	1-1/4	1-5/8-12	67.8	16.8	38.9	41.2	27.6	46	50	50	45.7	58.2	54.9	20 OPU
N6801-24-24-NWO	1-1/2	1-7/8-12	78.0	16.8	45.2	50.0	34.0	50	55	60	50.8	60.4	62.5	24 OPU

45° Positionable Male Elbow N6802

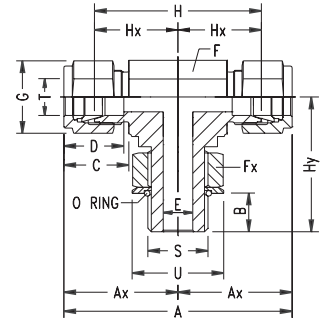
INCH OD Tube x SAE/MS Straight Threads



Part No.	T Tube OD	P SAE/MS Male	A	B	C	D	E min.	F	Fx A/F	G A/F	Hx A/F	Hy	U	O Ring Part No.
N6802-04-04-NWO	1/4	7/16-20	25.7	9.9	17.8	15.3	4.8	14	14	14	18.3	25.6	16.5	4 OPU
N6802-06-06-NWO	3/8	9/16-18	27.9	11.2	19.3	16.8	7.1	16	17	17	20.6	28.2	20.0	6 OPU
N6802-08-08-NWO	1/2	3/4-16	32.0	12.7	21.8	22.9	10.4	22	22	22	21.8	32.3	25.7	8 OPU
N6802-12-12-NWO	3/4	1-1/16-12	39.9	16.8	21.8	24.4	15.8	27	32	28.5	29.7	47.3	36.6	12 OPU
N6802-16-16-NWO	1	1-5/8-12	47.5	16.8	26.4	31.2	19.8	35	38	38	35.3	50.6	44.0	16 OPU

Positionable Male Branch Tee N6803

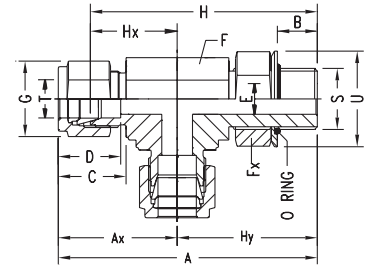
INCH OD Tubes x SAE/MS Straight Threads



Part No.	T Tube OD	S SAE/MS Male	A	Ax	B	C	D	E min.	F A/F	Fx A/F	G A/F	H	Hx	Hy	U	O Ring Part No.
N6803-04-04-04-NWO	1/4	7/16-20	57.0	28.5	9.9	17.8	15.3	4.8	14	14	14	42.0	21.0	28.5	16.5	4 OPU
N6803-06-06-06-NWO	3/8	9/16-18	64.0	32.0	11.2	19.3	16.8	7.1	16	17	17	49.2	24.6	32.3	20.0	6 OPU
N6803-08-08-08-NWO	1/2	3/4-16	75.2	37.6	12.7	21.8	22.9	10.4	22	22	22	54.8	27.4	37.8	25.6	8 OPU
N6803-12-12-12-NWO	3/4	1-1/16-12	82.8	41.4	16.8	21.8	24	15.8	27	32	28.5	62.4	31.2	48.8	36.6	12 OPU
N6803-16-16-16-NWO	1	1-5/16-12	101.1	50.5	16.8	26.4	31.2	22.3	35	35	38	76.8	38.4	53.6	44.0	16 OPU
N6803-20-20-20-NWO	1-1/4	1-5/8-12	135.6	68	16.8	38.9	41.2	27.6	46	50	50	91.4	46	58	55	20 OPU
N6803-24-24-24-NWO	1-1/2	1-7/8-12	156.0	78.0	16.8	45.2	50.0	34.0	50	55	60	101.6	51	60	63	24 OPU

Positionable Male Run Tee N6804

INCH OD Tubes x SAE/MS Straight Threads



Part No.	T Tube OD	S SAE/MS Male	A	Ax	B	C	D	E min.	F A/F	Fx A/F	G A/F	H	Hx	Hy	U	O Ring Part No.
N6804-04-04-04-NWO	1/4	7/16-20	57.0	28.5	9.9	17.9	15.3	4.8	14	14	14	49.5	21.0	28.5	16.5	4 OPU
N6804-06-06-06-NWO	3/8	9/16-18	64.3	32.0	11.2	19.3	16.8	7.1	16	17	17	56.9	24.6	32.3	20.0	6 OPU
N6804-08-08-08-NWO	1/2	3/4-16	75.4	37.6	12.7	21.8	22.9	10.4	22	22	22	65.2	27.4	37.8	25.6	8 OPU
N6804-12-12-12-NWO	3/4	1-1/16-12	90.2	41.4	16.8	21.8	24.4	15.8	27	32	28.5	80.0	31.2	48.8	36.6	12 OPU
N6804-16-16-16-NWO	1	1-5/16-12	104.1	50.5	16.8	26.4	31.2	22.3	35	35	38	92.0	38.4	53.6	44.0	16 OPU
N6804-20-20-20-NWO	1-1/4	1-5/8-12	126.0	67.8	16.8	38.9	41.2	27.6	46	50	50	103.9	45.7	58.2	54.9	20 OPU
N6804-24-24-24-NWO	1-1/2	1-7/8-12	138.4	78.0	16.8	45.2	50.0	34.0	50	55	60	111.2	50.8	60.4	62.5	24 OPU

Cross Reference Chart

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N0304-C-01	IN PLUG	100-P	1 FNZ	1BLP1	DBA 1	1P	7121L-1/16-1/16
N0304-C-02	IN PLUG	200-P	2 FNZ	2BLP2	DBA 2	2P	7121L-1/8-1/8
N0304-C-04	IN PLUG	400-P	4 FNZ	4BLP4	DBA 4	4P	7121L-1/4-1/4
N0304-C-05	IN PLUG	500-P	5 FNZ	5BLP5	DBA 5	5P	7121L-5/16-5/16
N0304-C-06	IN PLUG	600-P	6 FNZ	6BLP6	DBA 6	6P	7121L-3/8-3/8
N0304-C-08	IN PLUG	810-P	8 FNZ	8BLP8	DBA 8	8P	7121L-1/2-1/2
N0304-C-10	IN PLUG	1010-P	10 FNZ	10BLP10	DBA 10	10P	7121L-5/8-5/8
N0304-C-12	IN PLUG	1210-P	12 FNZ	12BLP12	DBA 12	12P	7121L-3/4-3/4
N0304-C-14	IN PLUG	1410-P	14 FNZ	14BLP14	DBA 14	14P	7121L-7/8-7/8
N0304-C-16	IN PLUG	1610-P	16 FNZ	16BLP16	DBA 16	16P	7121L-1-1
N0304-C-20	IN PLUG	2000-P	20 FNZ	20BLP20	DBA 20	20P	7121L-1-1/4-1-1/4
N0304-C-24	IN PLUG	2400-P	24 FNZ	24BLP24	DBA 24	24P	7121L-1-1/2-1-1/2
N0304-C-32	IN PLUG	3200-P	32 FNZ	32BLP32	DBA 32	32P	7121L-2-2
N0318-01	IN NUT	102-1	1 BZ	1NU1	DNA 1	1N	761L-1/16
N0318-02	IN NUT	202-1	2 BZ	2NU2	DNA 2	2N	761L-1/8
N0318-04	IN NUT	402-1	4 BZ	4NU4	DNA 4	4N	761L-1/4
N0318-05	IN NUT	502-1	5 BZ	5NU5	DNA 5	5N	761L-5/16
N0318-06	IN NUT	602-1	6 BZ	6NU6	DNA 6	6N	761L-3/8
N0318-08	IN NUT	812-1	8 BZ	8NU8	DNA 8	8N	761L-1/2
N0318-10	IN NUT	1012-1	10 BZ	10NU10	DNA 10	10N	761L-5/8
N0318-12	IN NUT	1212-1	12 BZ	12NU12	DNA 12	12N	761L-3/4
N0318-14	IN NUT	1412-1	14 BZ	14NU14	DNA 14	14N	761L-7/8
N0318-16	IN NUT	1612-1	16 BZ	16NU16	DNA 16	16N	761L-1
N0318-20	IN NUT	2002-1	20 BZ	20NU20	DNA 20	20N	761L-1-1/4
N0318-24	IN NUT	2402-1	24 BZ	24NU24	DNA 24	24N	761L-1-1/2
N0318-32	IN NUT	3202-1	32 BZ	32NU32	DNA 32	32N	761L-2
N0319-B-01	BACK FERRULE	104-1		1BF1	DOB 1	1FR	760LB-1/16-1/16
N0319-B-02	BACK FERRULE	204-1		2BF2	DOB 2	2FR	760LB-1/8-1/8
N0319-B-04	BACK FERRULE	404-1		4BF4	DOB 4	4FR	760LB-1/4-1/4
N0319-B-05	BACK FERRULE	504-1		5BF5	DOB 5	5FR	760LB-5/16-5/16
N0319-B-06	BACK FERRULE	604-1		6BF6	DOB 6	6FR	760LB-3/8-3/8
N0319-B-08	BACK FERRULE	814-1		8BF8	DOB 8	8FR	760LB-1/2-1/2
N0319-B-10	BACK FERRULE	1014-1		10BF10	DOB 10	10FR	760LB-5/8-5/8
N0319-B-12	BACK FERRULE	1214-1		12BF12	DOB 12	12FR	760LB-3/4-3/4
N0319-B-14	BACK FERRULE	1414-1		14BF14	DOB 14	14FR	760LB-7/8-7/8
N0319-B-16	BACK FERRULE	1614-1		16BF16	DOB 16	16FR	760LB-1-1
N0319-B-20	BACK FERRULE	2004-1		20BF20	DOB 20	20FR	760LB-1-1/4-1-1/4
N0319-B-24	BACK FERRULE	2404-1		24BF24	DOB 24	24FR	760LB-1-1/2-1-1/2
N0319-B-32	BACK FERRULE	3204-1		32BF32	DOB 32	32FR	760LB-2-2
N0319-F-01	FRONT FERRULE	103-1	1 TZ	1FF1	DOF 1	1FF	760LF-1/16-1/16
N0319-F-02	FRONT FERRULE	203-1	2 TZ	2FF2	DOF 2	2FF	760LF-1/8-1/8
N0319-F-04	FRONT FERRULE	403-1	4 TZ	4FF4	DOF 4	4FF	760LF-1/4-1/4
N0319-F-05	FRONT FERRULE	503-1	5 TZ	5FF5	DOF 5	5FF	760LF-5/16-5/16
N0319-F-06	FRONT FERRULE	603-1	6 TZ	6FF6	DOF 6	6FF	760LF-3/8-3/8
N0319-F-08	FRONT FERRULE	813-1	8 TZ	8FF8	DOF 8	8FF	760LF-1/2-1/2
N0319-F-10	FRONT FERRULE	1013-1	10 TZ	10FF10	DOF 10	10FF	760LF-5/8-5/8
N0319-F-12	FRONT FERRULE	1213-1	12 TZ	12FF12	DOF 12	12FF	760LF-3/4-3/4
N0319-F-14	FRONT FERRULE	1413-1	14 TZ	14FF14	DOF 14	14FF	760LF-7/8-7/8
N0319-F-16	FRONT FERRULE	1613-1	16 TZ	16FF16	DOF 16	16FF	760LF-1-1
N0319-F-20	FRONT FERRULE	2003-1	20 TZ	20FF20	DOF 20	20FF	760LF-1-1/4-1-1/4
N0319-F-24	FRONT FERRULE	2413-1	24 TZ	24FF24	DOF 24	24FF	760LF-1-1/2-1-1/2
N0319-F-32	FRONT FERRULE	3213-1	32 TZ	32FF32	DOF 32	32FF	760LF-2-2
N0319-S-01	FERRULE SET	100 SET	1CPI-SET	1ALOK-SET	DOS 1	1SF	
N0319-S-02	FERRULE SET	200 SET	2CPI-SET	2ALOKK-SET	DOS 2	2SF	
N0319-S-04	FERRULE SET	400 SET	4CPI-SET	4ALOKK-SET	DOS 4	4SF	
N0319-S-05	FERRULE SET	500 SET	5CPI-SET	5ALOKK-SET	DOS 5	5SF	
N0319-S-06	FERRULE SET	600 SET	6CP-SET	6ALOKK-SET	DOS 6	6SF	
N0319-S-08	FERRULE SET	810 SET	8CPI-SET	8ALOKK-SET	DOS 8	8SF	
N0319-S-10	FERRULE SET	1010 SET	10CPI-SET	10ALOKK-SET	DOS 10	10SF	
N0319-S-12	FERRULE SET	1210 SET	12CP-SET	12ALOKK-SET	DOS 12	12SF	
N0319-S-14	FERRULE SET	1410 SET	14CP-SET	14ALOKK-SET	DOS 14	14SF	
N0319-S-16	FERRULE SET	1610 SET	16CPI-SET	16ALOKK-SET	DOS 16	16SF	

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N0319-S-20	FERRULE SET	2000 SET	20CPI-SET	20ALOKK-SET	DOS 20	20SF	
N0319-S-24	FERRULE SET	2400 SET	24CP-SET	24ALOKK-SET	DOS 24	24SF	
N0319-S-32	FERRULE SET	3200 SET	32CPI-SET	32ALOKK-SET	DOS 32	32SF	
N2403-01-01	IN-IN	100-6	1-1 HBZ	1SC1	DUA 1	1U	762L-1/16-1/16
N2403-02-02	IN-IN	200-6	2-2 HBZ	2SC2	DUA 2	2U	762L-1/8-1/8
N2403-04-02	IN-IN	400-6-2	4-2 HBZ	4RU2	DUR 4-2	4RU2	763L-1/4-1/8
N2403-04-04	IN-IN	400-6	4-4 HBZ	4SC4	DUA 4	4U	762L-1/4-1/4
N2403-05-02	IN-IN	500-6-2	5-2 HBZ	5RU2	DUR 5-2	5RU2	763L-5/16-1/8
N2403-05-04	IN-IN	500-6-4	5-4 HBZ	5RU4	DUA 5-4	5U4	763L-5/16-1/4
N2403-05-05	IN-IN	500-6	5-5 HBZ	5SC5	DUA 5	5U	762L-5/16-5/16
N2403-06-02	IN-IN	600-6-2	6-2 HBZ	6RU2	DUR 6-2	6RU2	763L-3/8-1/8
N2403-06-04	IN-IN	600-6-4	6-4 HBZ		DUR 6-4	6RU4	763L-3/8-1/4
N2403-06-06	IN-IN	600-6	6-6 HBZ	6SC6	DUA 6	6U	762L-3/8-3/8
N2403-08-02	IN-IN	810-6-2	8-2 HBZ	8RU2	DUR 8-2	8RU2	763L-1/2-1/8
N2403-08-04	IN-IN	810-6-4	8-4 HBZ	8RU4	DUR 8-4	8RU4	763L-1/2-1/4
N2403-08-06	IN-IN	810-6-6	8-6 HBZ	8RU6	DUR 8-6	8RU6	763L-1/2-3/8
N2403-08-08	IN-IN	810-6	8-8 HBZ	8SC8	DUA 8	8U	762L-1/2-1/2
N2403-10-06	IN-IN	1010-6-6	10-6 HBZ	10RU6	DUR 10-6	10RU6	763L-5/8-3/8
N2403-10-08	IN-IN	1010-6-8	10-8 HBZ	10RU8	DUR 10-8	10RU8	763L-5/8-1/2
N2403-10-10	IN-IN	1010-6	10-10 HBZ	10SC10	DUA 10	10U	762L-5/8-5/8
N2403-12-04	IN-IN	1210-6-4	12-4 HBZ	12RU4	DUR 12-4	12RU4	763L-3/4-1/4
N2403-12-06	IN-IN	1210-6-6	12-6 HBZ	12RU6	DUR 12-6	12RU6	763L-3/4-3/8
N2403-12-08	IN-IN	1210-6-8	12-8 HBZ	12RU8	DUR 12-8	12RU8	763L-3/4-1/2
N2403-12-12	IN-IN	1210-6	12-12 HBZ	12SC12	DUA 12	12U	762L-3/4-3/4
N2403-14-14	IN-IN	1410-6	14-14 HBZ	14SC14	DUA 14	14U	762L-7/8-7/8
N2403-16-08	IN-IN	1610-6-8	16-8 HBZ	16RU8	DUR 16-8	16RU8	763L-1-1/2
N2403-16-12	IN-IN	1610-6-12	16-12 HBZ	16RU12	DUR 16-12	16RU12	763L-1-3/4
N2403-16-16	IN-IN	1610-6	16-16 HBZ	16SC16	DUA 16	16U	762L-1-1
N2403-20-16	IN-IN	2000-6-20	20-16 HBZ	20RU16	DUR 20-16	20RU16	763L-1-1/4-1
N2403-20-20	IN-IN	2000-6	20-20 HBZ	20SC20	DUA 20	20U	762L-1-1/4-1-1/4
N2403-24-20	IN-IN	2400-6-20	24-20 HBZ	24RU20	DUR 24-20	24RU20	763L-1-1/2-1-1/4
N2403-24-24	IN-IN	2400-6	24-24 HBZ	24SC24	DUA 24	24U	762L-1-1/2-1/1/2
N2403-32-32	IN-IN	3200-6	32-32 HBZ	32SC32	DUA 32	32U	762L-2-2
N2404-01-01	IN-MNPT	100-1-1	1-1 FBZ	1MSC1N	DCT 1-1	1CM1	768L-1/16-1/16
N2404-01-02	IN-MNPT	100-1-2	1-2 FBZ	1MSC2N	DCT 1-2	1CM2	768L-1/16-1/8
N2404-02-02	IN-MNPT	200-1-2	2-2 FBZ	2MSC2N	DCT 2-2	2CM2	768L-1/8-1/8
N2404-02-04	IN-MNPT	200-1-4	2-4 FBZ	2MSC4N	DCT 2-4	2CM4	768L-1/8-1/4
N2404-04-02	IN-MNPT	400-1-2	4-2 FBZ	4MSC2N	DCT 4-2	4CM2	768L-1/4-1/8
N2404-04-04	IN-MNPT	400-1-4	4-4 FBZ	4MSC4N	DCT 4-4	4CM4	768L-1/4-1/4
N2404-04-06	IN-MNPT	400-1-6	4-6 FBZ	4MSC6N	DCT 4-6	4CM6	768L-1/4-3/8
N2404-04-08	IN-MNPT	400-1-8	4-8 FBZ	4MSC8N	DCT 4-8	4CM8	768L-1/4-1/2
N2404-05-04	IN-MNPT	500-1-4	5-4 FBZ	5MSC4N	DCT 5-4	5CM4	768L-5/16-1/4
N2404-06-02	IN-MNPT	600-1-2	6-2 FBZ	6MSC2N	DCT 6-2	6CM2	768L-3/8-1/8
N2404-06-04	IN-MNPT	600-1-4	6-4 FBZ	6MSC4N	DCT 6-4	6CM4	768L-3/8-1/4
N2404-06-06	IN-MNPT	600-1-6	6-6 FBZ	6MSC6N	DCT 6-6	6CM6	768L-3/8-3/8
N2404-06-08	IN-MNPT	600-1-8	6-8 FBZ	6MSC8N	DCT 6-8	6CM8	768L-3/8-1/2
N2404-08-04	IN-MNPT	810-1-4	8-4 FBZ	8MSC4N	DCT 8-4	8CM4	768L-1/2-1/4
N2404-08-06	IN-MNPT	810-1-6	8-6 FBZ	8MSC6N	DCT 8-6	8CM6	768L-1/2-3/8
N2404-08-08	IN-MNPT	810-1-8	8-8 FBZ	8MSC8N	DCT 8-8	8CM8	768L-1/2-1/2
N2404-08-12	IN-MNPT	810-1-12	8-12 FBZ	8MSC12N	DCT 8-12	8CM12	768L-1/2-3/4
N2404-08-16	IN-MNPT	810-1-16	8-16 FBZ	8MSC16N	DCT 8-16	8CM16	768L-1/2-1
N2404-10-06	IN-MNPT	1010-1-6	10-6 FBZ	10MSC6N	DCT 10-6	10CM6	768L-5/8-3/8
N2404-10-08	IN-MNPT	1010-1-8	10-8 FBZ	10MSC8N	DCT 10-8	10CM8	768L-5/8-1/2
N2404-12-08	IN-MNPT	1210-1-8	12-8 FBZ	12MSC8N	DCT 12-8	12CM8	768L-3/4-1/2
N2404-12-12	IN-MNPT	1210-1-12	12-12 FBZ	12MSC12N	DCT 12-12	12CM12	768L-3/4-3/4
N2404-12-16	IN-MNPT	1210-1-16	12-16 FBZ	2MSC16N	DCT 12-16	12CM16	768L-3/4-1
N2404-14-12	IN-MNPT	1410-1-12	14-12 FBZ	14MSC12N	DCT 14-12	14CM12	768L-7/8-3/4
N2404-16-08	IN-MNPT	1610-1-8	16-8 FBZ	16MSC8N	DCT 16-8	16CM8	768L-1-1/2
N2404-16-12	IN-MNPT	1610-1-12	16-12 FBZ	16MSC12N	DCT 16-12	16CM12	768L-1-3/4
N2404-16-16	IN-MNPT	1610-1-16	16-16 FBZ	16MSC16N	DCT 16-16	16CM16	768L-1-1
N2404-20-16	IN-MNPT	2000-1-16	20-16 FBZ	20MSC16N	DCT 20-16	20CM16	768L-1-1/4-1
N2404-20-20	IN-MNPT	2000-1-20	20-20 FBZ	20MSC20N	DCT 20-20	20CM20	768L-1-1/4-1-1/4

Cross Reference Chart

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2404-24-24	IN-MNPT	2400-1-24	24-24 FBZ	24MSC24N	DCT 24-24	24CM24	768L-1-1/2-1/2
N2404-32-32	IN-MNPT	3200-1-32	32-32 FBZ	32MSC32N	DCT 32-32	32CM32	768L-2-2
N2405-01-01	IN-FNPT	100-7-1	1-1 GBZ	1FSC1N	DSA 1-1	1CF1	766L-1/16-1/16
N2405-01-02	IN-FNPT	100-7-2	1-1 GBZ	1FSC1N	DSA 1-2	1CF1	766L-1/16-1/16
N2405-02-02	IN-FNPT	200-7-2	2-2 GBZ	2FSC2N	DSA 2-2	2CF2	766L-1/8-1/8
N2405-02-04	IN-FNPT	200-7-4	2-4 GBZ	2FSC4N	DSA 2-4	2CF4	766L-1/8-1/4
N2405-04-02	IN-FNPT	400-7-2	4-2 GBZ	4FSC2N	DSA 4-2	4CF2	766L-1/4-1/8
N2405-04-04	IN-FNPT	400-7-4	4-4 GBZ	4FSC4N	DSA 4-4	4CF4	766L-1/4-1/4
N2405-04-06	IN-FNPT	400-7-6	4-6 GBZ	4FSC6N	DSA 4-6	4CF6	766L-1/4-3/8
N2405-04-08	IN-FNPT	400-7-8	4-8 GBZ	4FSC8N	DSA 4-8	4CF8	766L-1/4-1/2
N2405-05-02	IN-FNPT	500-7-2	5-2 GBZ	5FSC2N	DSA 5-2	5CF2	766L-5/16-1/8
N2405-05-04	IN-FNPT	500-7-4	5-4 GBZ	5FSC4N	DSA 5-4	5CF4	766L-5/16-1/4
N2405-06-02	IN-FNPT	600-7-2	6-2 GBZ	6FSC2N	DSA 6-2	6CF2	766L-3/8-1/8
N2405-06-04	IN-FNPT	600-7-4	6-4 GBZ	6FSC4N	DSA 6-4	6CF4	766L-3/8-1/4
N2405-06-06	IN-FNPT	600-7-6	6-6 GBZ	6FSC6N	DSA 6-6	6CF6	766L-3/8-3/8
N2405-06-08	IN-FNPT	600-7-8	6-8 GBZ	6FSC8N	DSA 6-8	6CF8	766L-3/8-1/2
N2405-08-04	IN-FNPT	810-7-4	8-4 GBZ	8FSC4N	DSA 8-4	8CF4	766L-1/2-1/4
N2405-08-06	IN-FNPT	810-7-6	8-6 GBZ	8FSC6N	DSA 8-6	8CF6	766L-1/2-3/8
N2405-08-08	IN-FNPT	810-7-8	8-8 GBZ	8FSC8N	DSA 8-8	8CF8	766L-1/2-1/2
N2405-08-12	IN-FNPT	810-7-12	8-2 GBZ	8FSC2N	DSA 8-12	8CF2	766L-1/2-3/4
N2405-10-06	IN-FNPT	1010-7-6	10-6 GBZ	10FSC6N	DSA 10-6	10CF6	766L-5/8-3/8
N2405-10-08	IN-FNPT	1010-7-8	10-8 GBZ	10FSC8N	DSA 10-8	10CF8	766L-5/8-1/2
N2405-12-08	IN-FNPT	1210-7-8	12-8 GBZ	12FSC8N	DSA 12-8	12CF8	766L-3/4-1/2
N2405-12-12	IN-FNPT	1210-7-12	12-12 GBZ	12FSC12N	DSA 12-12	12CF12	766L-3/4-3/4
N2405-14-12	IN-FNPT	1410-7-12	14-12 GBZ	14FSC12N	DSA 14-12	14CF12	766L-7/8-3/4
N2405-16-12	IN-FNPT	1610-7-12	16-12 GBZ	16FSC12N	DSA 16-12	16CF12	766L-1-3/4
N2405-16-16	IN-FNPT	1610-7-16	16-16 GBZ	16FSC16N	DSA 16-16	16CF16	766L-1-1
N2405-20-20	IN-FNPT	2000-7-20	20-20 GBZ	20FSC20N	DSA 20-20	20CF20	766L-1-1/4-1-1/4
N2405-24-24	IN-FNPT	2400-7-24	24-24 GBZ	24FSC24N	DSA 24-24	24CF24	766L-1-1/2-1/1/2
N2406-02-02	TUBE RED	200-R-2	2-2 TRBZ	2TUR2	DRE 2-2	2R2	767LT-1/8-1/8
N2406-02-04	TUBE RED	200-R-4	2-4 TRBZ	2TUR4	DRE 2-4	2R4	767LT-1/8-1/4
N2406-04-02	TUBE RED	400-R-2	4-2 TRBZ	4TUR2	DRE 4-2	4R2	767LT-1/4-1/8
N2406-04-04	TUBE RED	400-R-4	4-4 TRBZ	4TUR4	DRE 4-4	4R4	767LT-1/4-1/4
N2406-04-06	TUBE RED	400-R-6	4-6 TRBZ	4TUR6	DRE 4-6	4R6	767LT-1/4-3/8
N2406-04-08	TUBE RED	400-R-8	4-8 TRBZ	4TUR8	DRE 4-8	4R8	767LT-1/4-1/2
N2406-05-06	TUBE RED	500-R-6	5-6 TRBZ	5TUR6	DRE 5-6	5R6	767LT-5/16-3/8
N2406-05-08	TUBE RED	500-R-8	5-8 TRBZ	5TUR8	DRE 5-8	5R8	767LT-5/16-1/2
N2406-06-04	TUBE RED	600-R-4	6-4 TRBZ	6TUR4	DRE 6-4	6R4	767LT-3/8-1/4
N2406-06-06	TUBE RED	600-R-6	6-6 TRBZ	6TUR6	DRE 6-6	6R6	767LT-3/8-3/8
N2406-06-08	TUBE RED	600-R-8	6-8 TRBZ	6TUR8	DRE 6-8	6R8	767LT-3/8-1/2
N2406-08-04	TUBE RED	810-R-4	8-4 TRBZ	8TUR4	DRE 8-4	8R4	767LT-1/2-1/4
N2406-08-06	TUBE RED	810-R-6	8-6 TRBZ	8TUR6	DRE 8-6	8R6	767LT-1/2-3/8
N2406-08-08	TUBE RED	810-R-8	8-8 TRBZ	8TUR8	DRE 8-8	8R8	767LT-1/2-1/2
N2406-08-12	TUBE RED	810-R-12	8-12 TRBZ	8TUR12	DRE 8-12	8R12	767LT-1/2-3/4
N2406-08-16	TUBE RED	810-R-16	8-16 TRBZ	8TUR16	DRE 8-16	8R16	767LT-1/2-1
N2406-10-12	TUBE RED	1010-R-12	10-12 TRBZ	10TUR12	DRE 10-12	10R12	767LT-5/8-3/4
N2406-10-14	TUBE RED	1010-R-14	10-14 TRBZ	10TUR14	DRE 10-14	10R14	767LT-5/8-7/8
N2406-12-08	TUBE RED	1210-R-8	12-8 TRBZ	12TUR8	DRE 12-8	12R8	767LT-3/4-1/2
N2406-12-16	TUBE RED	1210-R-16	12-16 TRBZ	12TUR16	DRE 12-16	12R16	767LT-3/4-1
N2406-16-20	TUBE RED	1610-R-20	16-20 TRBZ	16TUR20	DRE 16-20	16R20	767LT-1-1-1/4
N2406-16-24	TUBE RED	1610-R-24	16-24 TRBZ	16TUR24	DRE 16-24	16R24	767LT-1-1/1/2
N2408-01	IN CAP	100-C	1 PNZB	1BLEN1	DCA 1	1CP	7108L-1/16-1/16
N2408-02	IN CAP	200-C	2 PNZB	2BLEN2	DCA 2	2CP	7108L-1/8-1/8
N2408-04	IN CAP	400-C	4 PNZB	4BLEN4	DCA 4	4CP	7108L-1/4-1/4
N2408-05	IN CAP	500-C	5 PNZB	5BLEN5	DCA 5	5CP	7108L-5/16-5/16
N2408-06	IN CAP	600-C	6 PNZB	6BLEN6	DCA 6	6CP	7108L-3/8-3/8
N2408-08	IN CAP	810-C	8 PNZB	8BLEN8	DCA 8	8CP	7108L-1/2-1/2
N2408-10	IN CAP	1010-C	10 PNZB	10BLEN10	DCA 10	10CP	7108L-5/8-5/8
N2408-12	IN CAP	1210-C	12 PNZB	12BLEN12	DCA 12	12CP	7108L-3/4-3/4
N2408-14	IN CAP	1410-C	14 PNZB	14BLEN14	DCA 14	14CP	7108L-7/8-7/8
N2408-16	IN CAP	1610-C	16 PNZB	16BLEN16	DCA 16	16CP	7108L-1-1
N2408-20	IN CAP	2000-C	20 PNZB	20BLEN20	DCA 20	20CP	7108L-1-1/4-1-1/4

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2408-24	IN CAP	2400-C	24 PNZB	24BLEN24	DCA 24	24CP	7108L-1-1/2-1/1/2
N2408-32	IN CAP	3200-C	32 PNZB	32BLEN32	DCA 32	32CP	7108L-2-2
N2425-02-02	IN-BW	200-1-2W	2-1/8 ZHBW2	ZHLW2 2-1/8	DCB 2-2	2CBW2	768LN-1/8-1/8
N2425-04-02	IN-BW	400-1-2W	4-1/8 ZHBW2	ZHLW2 4-1/8	DCB 4-2	4CBW2	768LN-1/4-1/8
N2425-04-04	IN-BW	400-1-4W	4-1/4 ZHBW2	ZHLW2 4-1/4	DCB 4-4	4CBW4	768LN-1/4-1/4
N2425-05-02	IN-BW	500-1-2W	5-1/8 ZHBW2	ZHLW2 5-1/8	DCB 5-2	5CBW2	768LN-5/16-1/8
N2425-05-04	IN-BW	500-1-4W	5-1/4 ZHBW2	ZHLW2 5-1/4	DCB 5-4	5CBW4	768LN-5/16-1/4
N2425-06-04	IN-BW	600-1-4W	6-1/4 ZHBW2	ZHLW2 6-1/4	DCB 6-4	6CBW4	768LN-3/8-1/4
N2425-06-06	IN-BW	600-1-6W	6-3/8 ZHBW2	ZHLW2 6-3/8	DCB 6-6	6CBW6	768LN-3/8-3/8
N2425-06-08	IN-BW	600-1-8W	6-1/2 ZHBW2	ZHLW2 6-1/2	DCB 6-8	6CBW8	768LN-3/8-1/2
N2425-08-06	IN-BW	810-1-6W	8-3/8 ZHBW2	ZHLW2 8-3/8	DCB 8-6	8CBW6	768LN-1/2-3/8
N2425-08-08	IN-BW	810-1-8W	8-1/2 ZHBW2	ZHLW2 8-1/2	DCB 8-8	8CBW8	768LN-1/2-1/2
N2425-08-12	IN-BW	810-1-12W	8-3/4 ZHBW2	ZHLW2 8-3/4	DCB 8-12	8CBW12	768LN-1/2-3/4
N2425-10-08	IN-BW	1010-1-8W	10-1/2 ZHBW2	ZHLW2 10-1/2	DCB 10-8	10CBW8	768LN-5/8-1/2
N2425-12-12	IN-BW	1210-1-12W	12-3/4 ZHBW2	ZHLW2 12-3/4	DCB 12-12	12CBW12	768LN-3/4-3/4
N2425-16-16	IN-BW	1610-1-16W	16-1 ZHBW2	ZHLW2 16-1	DCB 16-16	16CBW16	768LN-1-1
N2425-20-20	IN-BW	2000-1-20W	20-1-1/4 ZHBW2	ZHLW2 20-1-1/4	DCB 20-20	20CBW20	768LN-1-1/4-1-1/4
N2425-24-24	IN-BW	2400-1-24W	24-1-1/2 ZHBW2	ZHLW2 24-1-1/2	DCB 24-24	24CBW24	768LN-1-1/2-1-1/2
N2426-02-02	IN-SW	200-6-2W	2-2 ZHBW	2-2 ZHLW	DCW 2	2CW2	768LW-1/8-1/8
N2426-04-04	IN-SW	400-6-4W	4-4 ZHBW	4-4 ZHLW	DCW 4	4CW4	768LW-1/4-1/4
N2426-06-06	IN-SW	600-6-6W	6-6 ZHBW	6-6 ZHLW	DCW 6	6CW6	768LW-3/8-3/8
N2426-08-08	IN-SW	810-6-8W	8-8 ZHBW	8-8 ZHLW	DCW 8	8CW8	768LW-1/2-1/2
N2426-12-12	IN-SW	1210-6-12W	12-12 ZHBW	12-12 ZHLW	DCW 12	12CW12	768LW-3/4-3/4
N2426-16-16	IN-SW	1610-6-16W	16-16 ZHBW	16-16 ZHLW	DCW 16	16CW16	768LW-1-1
N2426-20-20	IN-SW	2000-6-20W	20-20 ZHBW	20-20 ZHLW	DCW 20	20CW20	768LW-1-1/4-1-1/4
N2426-24-24	IN-SW	2400-6-20W	24-24 ZHBW	24-24 ZHLW	DCW 24	24CW24	768LW-1-1/2-1-1/2
N2428-02-02	MNPT-STDPIPE	2-TA-1-2	2-2 T2HF	2MA2N	DHA 2-2	2AM2	739LM-1/8-1/8
N2428-02-04	MNPT-STDPIPE	2-TA-1-4	2-4 T2HF	2MA4N	DHA 2-4	2AM4	739LM-1/8-1/4
N2428-03-02	MNPT-STDPIPE	3-TA-1-2	3-2 T2HF	3MA2N	DHA 3-2	3AM2	739LM-3/16-1/8
N2428-03-04	MNPT-STDPIPE	3-TA-1-4	3-4 T2HF	3MA4N	DHA 3-4	3AM4	739LM-3/16-1/4
N2428-04-02	MNPT-STDPIPE	4-TA-1-2	4-2 T2HF	4MA2N	DHA 4-2	4AM2	739LM-1/4-1/8
N2428-04-04	MNPT-STDPIPE	4-TA-1-4	4-4 T2HF	4MA4N	DHA 4-4	4AM4	739LM-1/4-1/4
N2428-04-06	MNPT-STDPIPE	4-TA-1-6	4-6 T2HF	4MA6N	DHA 4-6	4AM6	739LM-1/4-3/8
N2428-04-08	MNPT-STDPIPE	4-TA-1-8	4-8 T2HF	4MA8N	DHA 4-8	4AM8	739LM-1/4-1/2
N2428-05-04	MNPT-STDPIPE	5-TA-1-4	5-4 T2HF	5MA4N	DHA 5-4	5AM4	739LM-5/16-1/4
N2428-06-04	MNPT-STDPIPE	6-TA-1-4	6-1 T2HF	6MA4N	DHA 6-4	6AM4	739LM-3/8-1/4
N2428-06-06	MNPT-STDPIPE	6-TA-1-6	6-6 T2HF	6MA6N	DHA 6-6	6AM6	739LM-3/8-3/8
N2428-06-08	MNPT-STDPIPE	6-TA-1-8	6-8 T2HF	6MA8N	DHA 6-8	6AM8	739LM-3/8-1/2
N2428-08-04	MNPT-STDPIPE	8-TA-1-4	8-4 T2HF	8MA4N	DHA 8-4	8AM4	739LM-1/2-1/4
N2428-08-06	MNPT-STDPIPE	8-TA-1-6	8-6 T2HF	8MA6N	DHA 8-6	8AM6	739LM-1/2-3/8
N2428-08-08	MNPT-STDPIPE	8-TA-1-8	8-8 T2HF	8MA8N	DHA 8-8	8AM8	739LM-1/2-1/2
N2428-10-08	MNPT-STDPIPE	10-TA-1-8	10-8 T2HF	10MA8N	DHA 10-8	10AM8	739LM-5/8-1/2
N2428-12-08	MNPT-STDPIPE	12-TA-1-8	12-8 T2HF	12MA8N	DHA 12-8	12AM8	739LM-3/4-1/2
N2428-12-12	MNPT-STDPIPE	12-TA-1-12	12-12 T2HF	12MA12N	DHA 12-12	12AM12	739LM-3/4-3/4
N2428-16-12	MNPT-STDPIPE	16-TA-1-12	16-12 T2HF	16MA12N	DHA 16-12	16AM12	739LM-1-3/4
N2428-16-16	MNPT-STDPIPE	16-TA-1-16	16-16 T2HF	16MA16N	DHA 16-16	16AM16	739LM-1-1
N2428-20-20	MNPT-STDPIPE	20-TA-1-20	20-20 T2HF	20MA20N	DHA 20-20	20AM20	739LM-1-1/4-1-1/4
N2428-24-24	MNPT-STDPIPE	24-TA-1-24	24-24 T2HF	24MA24N	DHA 24-24	24AM24	739LM-1-1/2-1-1/2
N2429-02-02	MORB-STDPIPE						
N2429-04-04	MORB-STDPIPE						
N2429-05-05	MORB-STDPIPE						
N2429-06-06	MORB-STDPIPE						
N2429-08-08	MORB-STDPIPE						
N2429-12-12	MORB-STDPIPE						
N2429-16-16	MORB-STDPIPE						
N2429-20-20	MORB-STDPIPE						
N2429-24-24	MORB-STDPIPE						
N2430-02-02	FNPT-STDPIPE	2-TA7-2	2-2 T2HG	2FA2N	DHC 2-2	2AF2	739LF-1/8-1/8
N2430-02-04	FNPT-STDPIPE	2-TA7-4	2-4 T2HG	2FA4N	DHC 2-4	2AF4	739LF-1/8-1/4
N2430-04-02	FNPT-STDPIPE	4-TA7-2	4-2 T2HG	4FA2N	DHC 4-2	4AF2	739LF-1/4-1/8
N2430-04-04	FNPT-STDPIPE	4-TA7-4	4-4 T2HG	4FA4N	DHC 4-4	4AF4	739LF-1/4-1/4
N2430-04-06	FNPT-STDPIPE	4-TA7-6	4-6 T2HG	4FA6N	DHC 4-6	4AF6	739LF-1/4-3/8

Cross Reference Chart

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2430-04-08	FNPT-STDPIPE	4-TA7-8	4-8 T2HG	4FA8N	DHC 4-8	4AF8	739LF-1/4-1/2
N2430-05-04	FNPT-STDPIPE	5-TA7-4	5-4 T2HG	5FA4N	DHC 5-4	5AF4	739LF-5/16-1/4
N2430-06-04	FNPT-STDPIPE	6-TA7-4	6-4 T2HG	6FA4N	DHC 6-4	6AF4	739LF-3/8-1/4
N2430-06-06	FNPT-STDPIPE	6-TA7-6	6-6 T2HG	6FA6N	DHC 6-6	6AF6	739LF-3/8-3/8
N2430-06-08	FNPT-STDPIPE	6-TA7-8	6-8 T2HG	6FA8N	DHC 6-8	6AF8	739LF-3/8-1/2
N2430-08-04	FNPT-STDPIPE	8-TA7-4	8-4 T2HG	8FA4N	DHC 8-4	8AF4	739LF-1/2-1/4
N2430-08-06	FNPT-STDPIPE	8-TA7-6	8-6 T2HG	8FA6N	DHC 8-6	8AF6	739LF-1/2-3/8
N2430-08-08	FNPT-STDPIPE	8-TA7-8	8-8 T2HG	8FA8N	DHC 8-8	8AF8	739LF-1/2-1/2
N2430-10-08	FNPT-STDPIPE	10-TA7-8	10-8 T2HG	10FA8N	DHC 10-8	10AF8	739LF-5/8-1/2
N2430-12-08	FNPT-STDPIPE	12-TA7-8	12-8 T2HG	12FA8N	DHC 12-8	12AF8	739LF-3/4-1/2
N2430-12-12	FNPT-STDPIPE	12-TA7-12	12-12 T2HG	12FA12N	DHC 12-12	12AF12	739LF-3/4-3/4
N2430-12-16	FNPT-STDPIPE	12-TA7-16	12-16 T2HG	12FA16N	DHC 12-16	12AF16	739LF-3/4-1
N2430-16-12	FNPT-STDPIPE	16-TA7-16	16-16 T2HG	16FA16N	DHC 16-16	16AF16	739LF-1-1
N2430-16-16	FNPT-STDPIPE	16-TA7-12	16-12 T2HG	16FA12N	DHC 16-12	16AF12	739LF-1-3/4
N2430-20-20	FNPT-STDPIPE	20-TA7-20	20-20 T2HG	20FA20N	DHC 20-20	20AF20	739LF-1-1/4-1-1/4
N2430-24-24	FNPT-STDPIPE	24-TA7-24	24-24 T2HG	24FA24N	DHC 24-24	24AF24	739LF-1-1/2-1/2
N2431-04-04	FGA-STDPIPE						
N2431-06-06	FGA-STDPIPE						
N2431-08-08	FGA-STDPIPE						
N2500-01-01	IN-IN 90	100-9	1-1 EBZ	1EE1	DLA 1	1LU	765L-1/16-1/16
N2500-02-02	IN-IN 90	200-9	2-2 EBZ	2EE2	DLA 2	2LU	765L-1/8-1/8
N2500-04-04	IN-IN 90	400-9	4-4 EBZ	4EE4	DLA 4	4LU	765L-1/4-1/4
N2500-05-05	IN-IN 90	500-9	5-5 EBZ	5EE5	DLA 5	5LU	765L-5/16-5/16
N2500-06-06	IN-IN 90	600-9	6-6 EBZ	6EE6	DLA 6	6LU	765L-3/8-3/8
N2500-08-08	IN-IN 90	810-9	8-8 EBZ	8EE8	DLA 8	8LU	765L-1/2-1/2
N2500-10-10	IN-IN 90	1010-9	10-10 EBZ	10EE10	DLA 10	10LU	765L-5/8-5/8
N2500-12-12	IN-IN 90	1210-9	12-12 EBZ	12EE12	DLA 12	12LU	765L-3/4-3/4
N2500-14-14	IN-IN 90	1410-9	14-14 EBZ	14EE14	DLA 14	14LU	765L-7/8-7/8
N2500-16-16	IN-IN 90	1610-9	16-16 EBZ	16EE16	DLA 16	16LU	765L-1-1
N2500-20-20	IN-IN 90	2000-9	20-20 EBZ	20EE20	DLA 20	20LU	765L-1-1/4-1-1/4
N2500-24-24	IN-IN 90	2400-9	24-24 EBZ	24EE24	DLA 24	24LU	765L-1-1/2-1-1/2
N2500-32-32	IN-IN 90	3200-9	32-32 EBZ	32EE32	DLA 32	32LU	765L-2-2
N2501-01-01	IN-MNPT 90	100-2-1	1-1 CBZ	1MSEL1N	DLN 1-1	1LM1	769L-1/16-1/16
N2501-01-02	IN-MNPT 90	100-2-2	1-2 CBZ	1MSEL2N	DLN 1-2	1LM2	769L-1/16-1/8
N2501-02-02	IN-MNPT 90	200-2-2	2-2 CBZ	2MSEL2N	DLN 2-2	2LM2	769L-1/8-1/8
N2501-02-04	IN-MNPT 90	200-2-4	2-4 CBZ	2MSEL4N	DLN 2-4	2LM4	769L-1/8-1/4
N2501-04-02	IN-MNPT 90	400-2-2	4-2 CBZ	4MSEL2N	DLN 4-2	4LM2	769L-1/4-1/8
N2501-04-04	IN-MNPT 90	400-2-4	4-4 CBZ	4MSEL4N	DLN 4-4	4LM4	769L-1/4-1/4
N2501-04-06	IN-MNPT 90	400-2-6	4-6 CBZ	4MSEL6N	DLN 4-6	4LM6	769L-1/4-3/8
N2501-04-08	IN-MNPT 90	400-2-8	4-8 CBZ	4MSEL8N	DLN 4-8	4LM8	769L-1/4-1/2
N2501-05-04	IN-MNPT 90	500-2-4	5-4 CBZ	5MSEL4N	DLN 5-4	5LM4	769L-5/16-1/4
N2501-06-02	IN-MNPT 90	600-2-2	6-2 CBZ	6MSEL2N	DLN 6-2	6LM2	769L-3/8-1/8
N2501-06-04	IN-MNPT 90	600-2-4	6-4 CBZ	6MSEL4N	DLN 6-4	6LM4	769L-3/8-1/4
N2501-06-06	IN-MNPT 90	600-2-6	6-6 CBZ	6MSEL6N	DLN 6-6	6LM6	769L-3/8-3/8
N2501-06-08	IN-MNPT 90	600-2-8	6-8 CBZ	6MSEL8N	DLN 6-8	6LM8	769L-3/8-1/2
N2501-08-04	IN-MNPT 90	810-2-4	8-4 CBZ	8MSEL4N	DLN 8-4	8LM4	769L-1/2-1/4
N2501-08-06	IN-MNPT 90	810-2-6	8-6 CBZ	8MSEL6N	DLN 8-6	8LM6	769L-1/2-3/8
N2501-08-08	IN-MNPT 90	810-2-8	8-8 CBZ	8MSEL8N	DLN 8-8	8LM8	769L-1/2-1/2
N2501-08-12	IN-MNPT 90	810-2-12	8-12 CBZ	8MSEL12N	DLN 8-12	8LM12	769L-1/2-3/4
N2501-10-08	IN-MNPT 90	1010-2-8	10-8 CBZ	10MSEL8N	DLN 10-8	10LM8	769L-5/8-1/2
N2501-12-08	IN-MNPT 90	1210-2-8	12-8 CBZ	12MSEL8N	DLN 12-8	12LM8	769L-3/4-1/2
N2501-12-12	IN-MNPT 90	1210-2-12	12-12 CBZ	12MSEL12N	DLN 12-12	12LM12	769L-3/4-3/4
N2501-14-12	IN-MNPT 90	1410-2-12	14-12 CBZ	14MSEL12N	DLN 14-12	14LM12	769L-7/8-3/4
N2501-16-12	IN-MNPT 90	1610-2-12	16-12 CBZ	16MSEL12N	DLN 16-12	16LM12	769L-1-3/4
N2501-16-16	IN-MNPT 90	1610-2-16	16-16 CBZ	16MSEL16N	DLN 16-16	16LM16	769L-1-1
N2501-20-20	IN-MNPT 90	2000-2-20	20-20 CBZ	20MSEL20N	DLN 20-20	20LM20	769L-1-1/4-1-1/4
N2501-24-24	IN-MNPT 90	2400-2-24	24-24 CBZ	24MSEL24N	DLN 24-24	24LM24	769L-1-1/2-1-1/2
N2501-32-32	IN-MNPT 90	3200-2-32	32-32 CBZ	32MSEL32N	DLN 32-32	32LM32	769L-2-2
N2502-02-02	IN-FNPT 90	200-8-2	2-2 DBZ	2FEL2N	DLF 2-2	2LF2	770L-1/8-1/8
N2502-02-04	IN-FNPT 90	200-8-4	2-4 DBZ	2FEL4N	DLF 2-4	2LF4	770L-1/8-1/4
N2502-04-02	IN-FNPT 90	400-8-2	4-2 DBZ	4FEL2N	DLF 4-2	4LF2	770L-1/4-1/8
N2502-04-04	IN-FNPT 90	400-8-4	4-4 DBZ	4FEL4N	DLF 4-4	4LF4	770L-1/4-1/4

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2502-04-06	IN-FNPT 90	400-8-6	4-6 DBZ	4FEL6N	DLF 4-6	4LF6	770L-1/4-3/8
N2502-04-08	IN-FNPT 90	400-8-8	4-8 DBZ	4FEL8N	DLF 4-8	4LF8	770L-1/4-1/2
N2502-05-02	IN-FNPT 90	500-8-2	5-2 DBZ	5FEL2N	DLF 5-2	5LF2	770L-5/16-1/8
N2502-05-04	IN-FNPT 90	500-8-4	5-4 DBZ	5FEL4N	DLF 5-4	5LF4	770L-5/16-1/4
N2502-06-02	IN-FNPT 90	600-8-2	6-2 DBZ	6FEL2N	DLF 6-2	6LF2	770L-3/8-1/8
N2502-06-04	IN-FNPT 90	600-8-4	6-4 DBZ	6FEL4N	DLF 6-4	6LF4	770L-3/8-1/4
N2502-06-06	IN-FNPT 90	600-8-6	6-6 DBZ	6FEL6N	DLF 6-6	6LF6	770L-3/8-3/8
N2502-06-08	IN-FNPT 90	600-8-8	6-8 DBZ	6FEL8N	DLF 6-8	6LF8	770L-3/8-1/2
N2502-08-04	IN-FNPT 90	810-8-4	8-4 DBZ	8FEL4N	DLF 8-4	8LF4	770L-1/2-1/4
N2502-08-06	IN-FNPT 90	810-8-6	8-6 DBZ	8FEL6N	DLF 8-6	8LF6	770L-1/2-3/8
N2502-08-08	IN-FNPT 90	810-8-8	8-8 DBZ	8FEL8N	DLF 8-8	8LF8	770L-1/2-1/2
N2502-10-06	IN-FNPT 90	1010-8-6	10-6 DBZ	10FEL6N	DLF 10-6	10LF6	770L-5/8-3/8
N2502-10-08	IN-FNPT 90	1010-8-8	10-8 DBZ	10FEL8N	DLF 10-8	10LF8	770L-5/8-1/2
N2502-12-08	IN-FNPT 90	1210-8-8	12-8 DBZ	12FEL8N	DLF 12-8	12LF8	770L-3/4-1/2
N2502-12-12	IN-FNPT 90	1210-8-12	12-12 DBZ	12FEL12N	DLF 12-12	12LF12	770L-3/4-3/4
N2502-14-12	IN-FNPT 90	1410-8-12	14-12 DBZ	14FEL12N	DLF 14-12	14LF12	770L-7/8-3/4
N2502-16-12	IN-FNPT 90	1610-8-12	16-12 DBZ	16FEL12N	DLF 16-12	16LF12	770L-1-3/4
N2502-16-16	IN-FNPT 90	610-8-16	16-16 DBZ	16FEL16N	DLF 16-16	16LF16	770L-1-1
N2503-04-02	IN-MNPT 45	400-5-2	4-2 VBZ	4MVVL2N			
N2503-04-04	IN-MNPT 45	400-5-4	4-4 VBZ	4MVVL4N			
N2503-06-02	IN-MNPT 45	600-5-2	6-2 VBZ	6MVVL2N			
N2503-06-04	IN-MNPT 45	600-5-4	6-4 VBZ	6MVVL4N			
N2503-06-06	IN-MNPT 45	600-5-6	6-6 VBZ	6MVVL6N			
N2503-08-06	IN-MNPT 45	810-5-6	8-6 VBZ	8MVVL6N			
N2503-08-08	IN-MNPT 45	810-5-8	8-8 VBZ	8MVVL8N			
N2503-12-12	IN-MNPT 45	1210-5-12	12-12 VBZ	12MVVL12N			
N2503-16-16	IN-MNPT 45	1610-5-16	16-16 VBZ	16MVVL16N			
N2525-04-02	IN-BW 90	400-2-2W	2-1/8 ZEBW2	4-1/8 ZELW2	DLB 4-2	4LBW2	769LN-1/4-1/8
N2525-04-04	IN-BW 90	400-2-4W	4-1/4 ZEBW2	4-1/4 ZELW2	DLB 4-4	4LBW4	769LN-1/4-1/4
N2525-06-04	IN-BW 90	600-2-4W	6-1/4 ZEBW2	6-1/4 ZELW2	DLB 6-4	6LBW4	769LN-3/8-1/4
N2525-08-08	IN-BW 90	810-2-8W	8-1/2 ZEBW2	8-1/2 ZELW2	DLB 8-8	8LBW8	769LN-1/2-1/2
N2525-12-12	IN-BW 90	1210-2-12W	12-3/4 ZEBW2	12-3/4 ZELW2	DLB 12-12	12LBW12	769LN-3/4-3/4
N2525-16-16	IN-BW 90	1610-2-16W	16-1 ZEBW2	16-1 ZELW2	DLB 16-16	16LBW16	769LN-1-1
N2525-20-20	IN-BW 90	2000-2-20W	20-1-1/4 ZEBW2	20-1-1/4 ZELW2	DLB 20-20	20LBW20	769LN-1-1/4-1-1/4
N2525-24-24	IN-BW 90	2400-2-24W	24-1/2 ZEBW2	24-1-1/2 ZELW2	DLB 24-24	24LBW24	769LN-1-1/2-1-1/2
N2526-04-04	IN-SW 90	400-9-4W	4-4 ZEBW	4-4 ZELW	DLW 4-4	4LW4	769LN-1/4-1/4
N2526-06-06	IN-SW 90	600-9-6W	6-6 ZEBW	6-6 ZELW	DLW 6-6	6LW6	769LN-3/8-3/8
N2526-08-08	IN-SW 90	810-9-8W	8-8 ZEBW	8-8 ZELW	DLW 8-8	8LW8	769LN-1/2-1/2
N2526-12-12	IN-SW 90	1210-9-12W	12-12 ZEBW	12-12 ZELW	DLW 12-12	12LW12	769LW-3/4-3/4
N2526-16-16	IN-SW 90	1610-9-16W	16-16 ZEBW	16-16 ZELW	DLW 16-16	16LW16	769LW-1-1
N2526-20-20	IN-SW 90	2000-9-20W	20-20 ZEBW	20-20 ZELW	DLW 20-20	20LW20	769LW-1-1/4-1-1/4
N2526-24-24	IN-SW 90	2400-9-24W	24-24 ZEBW	24-24 ZELW	DLW 24-24	24LW24	769LW-1-1/2-1-1/2
N2601-02-02-02	IN-IN-MNPT	200-3TTM	2-2-2 SBZ	2MBT2N	DTN 2-2	2TTM2	772L-1/8-1/8
N2601-02-02-04	IN-IN-MNPT	200-3-4TTM	2-2-4 SBZ	2MBT4N	DTN 2-4	2TTM4	772L-1/8-1/4
N2601-04-04-02	IN-IN-MNPT	400-3TTM	4-4-2 SBZ	4MBT2N	DTN 4-2	4TTM2	772L-1/4-1/8
N2601-04-04-04	IN-IN-MNPT	400-3-4TTM	4-4-4 SBZ	4MBT4N	DTN 4-4	4TTM4	772L-1/4-1/4
N2601-04-04-06	IN-IN-MNPT	400-3-6TTM	4-4-6 SBZ	4MBT6N	DTN 4-6	4TTM6	772L-1/4-3/8
N2601-04-04-08	IN-IN-MNPT	400-3-8TTM	4-4-8 SBZ	4MBT8N	DTN 4-8	4TTM8	772L-1/4-1/2
N2601-06-06-04	IN-IN-MNPT	600-3-4TTM	6-6-4 SBZ	6MBT4N	DTN 6-4	6TTM4	772L-3/8-1/4
N2601-06-06-06	IN-IN-MNPT	600-3-6TTM	6-6-6 SBZ	6MBT6N	DTN 6-6	6TTM6	772L-3/8-3/8
N2601-06-06-08	IN-IN-MNPT	600-3-8TTM	6-6-8 SBZ	6MBT8N	DTN 6-8	6TTM8	772L-3/8-1/2
N2601-08-08-04	IN-IN-MNPT	810-3-4TTM	8-8-4 SBZ	8MBT4N	DTN 8-4	8TTM4	772L-1/2-1/4
N2601-08-08-06	IN-IN-MNPT	810-3TTM	8-8-6 SBZ	8MBT6N	DTN 8-6	8TTM6	772L-1/2-3/8
N2601-08-08-08	IN-IN-MNPT	810-3-8TTM	8-8-8 SBZ	8MBT8N	DTN 8-8	8TTM8	772L-1/2-1/2
N2601-10-10-08	IN-IN-MNPT	1010-3TTM	10-10-8 SBZ	10MBT8N	DTN 10-8	10TTM8	772L-5/8-1/2
N2601-12-12-08	IN-IN-MNPT	1210-3-8TTM	12-12-8 SBZ	12MBT8N	DTN 12-8	12TTM8	772L-3/4-1/2
N2601-12-12-12	IN-IN-MNPT	1210-3TTM	12-12-12 SBZ	12MBT12N	DTN 12-12	12TTM12	772L-3/4-3/4
N2601-16-16-12	IN-IN-MNPT	1610-3-12TTM	16-16-12 SBZ	16MBT12N	DTN 16-12	16TTM12	772L-1-3/4
N2601-16-16-16	IN-IN-MNPT	1610-3TTM	16-16-16 SBZ	16MBT16N	DTN 16-16	16TTM16	772L-1-1
N2601-20-20-20	IN-IN-MNPT	2000-3-20TTM	20-20-20 SBZ	20MBT20N	DTN 20-20	20TTM20	772L-1-1/4-1-1/4
N2601-24-24-24	IN-IN-MNPT	2400-3-24TTM	24-24-24 SBZ	24MBT24N	DTN 24-24	24TTM24	772L-1-1/2-1-1/4
N2602-02-02-02	IN-IN-FNPT	200-3TTF	2-2-2 OBZ	2FBT2N	DTH 2-2	2TTF2	772LF-1/8-1/8

Cross Reference Chart

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2602-04-04-02	IN-IN-FNPT	400-3TTF	4-4-2 OBZ	4FBT2N	DTH 4-2	4TTF2	772LF-1/4-1/8
N2602-04-04-04	IN-IN-FNPT	400-3-4TTF	4-4-4 OBZ	4FBT4N	DTH 4-4	4TTF4	772LF-1/4-1/4
N2602-06-06-04	IN-IN-FNPT	600-3TTF	6-6-4 OBZ	6FBT4N	DTH 6-4	6TTF4	772LF-3/8-1/4
N2602-06-06-06	IN-IN-FNPT	600-3-6TTF	6-6-6 OBZ	6FBT6N	DTH 6-6	6TTF6	772LF-3/8-3/8
N2602-08-08-06	IN-IN-FNPT	810-3TTF	8-8-6 OBZ	8FBT6N	DTH 8-6	8TTF6	772LF-1/2-3/8
N2602-08-08-08	IN-IN-FNPT	810-3-8TTF	8-8-8 OBZ	8FBT8N	DTH 8-8	8TTF8	772LF-1/2-1/2
N2602-12-12-12	IN-IN-FNPT	1210-3TTF	12-12-12 OBZ	12FBT12N	DTH 12-12	12TTF12	772LF-3/4-3/4
N2602-16-16-12	IN-IN-FNPT	1610-3TTF	16-16-12 OBZ	16FBT12N	DTH 16-12	16TTF12	772LF-1-3/4
N2602-16-16-16	IN-IN-FNPT	1610-3-16TTF	16-16-16 OBZ	16FBT16N	DTH 16-16	16TTF16	772LF-1-1
N2603-02-02-02	IN-IN-IN	200-3	2-2-2 JBZ	2ET2	DTA 2	2TTT	764L-1/8
N2603-04-04-04	IN-IN-IN	400-3	4-4-4 JBZ	4ET4	DTA 4	4TTT	764L-1/4
N2603-05-05-05	IN-IN-IN	500-3	5-5-5 JBZ	5ET5	DTA 5	5TTT	764L-5/16
N2603-06-04-04	IN-IN-IN	600-3-4-4	6-4-4 JBZ	6-4-4 JLZ	DTR 6-4-4		764LR-3/8-1/4-1/4
N2603-06-04-06	IN-IN-IN	600-3-4-6	6-4-6 JBZ	6-4-6 JLZ	DTR 6-4-6		764LR-3/8-1/4-3/8
N2603-06-06-04	IN-IN-IN	600-3-6-4	6-6-4 JBZ	6-6-4 JLZ	DTR 6-6-4		764LR-3/8-3/8-1/4
N2603-06-06-06	IN-IN-IN	600-3	6-6-6 JBZ	6ET6	DTA 6	6TTT	764L-3/8
N2603-08-04-04	IN-IN-IN	810-3-4-4	8-4-4 JBZ	8-4-4 JLZ	DTR 8-4-4		764LR-1/2-1/4-1/4
N2603-08-04-08	IN-IN-IN	810-3-4-8	8-4-8 JBZ	8-4-8 JLZ	DTR 8-4-8		764LR-1/2-1/4-1/2
N2603-08-06-06	IN-IN-IN	810-3-6-6	8-6-6 JBZ	8-6-6 JLZ	DTR 8-6-6		764LR-1/2-3/8-3/8
N2603-08-06-08	IN-IN-IN	810-3-6-8	8-6-8 JBZ	8-6-8 JLZ	DTR 8-6-8		764LR-1/2-3/8-1/2
N2603-08-08-04	IN-IN-IN	810-3-8-4	8-8-4 JBZ	8-8-4 JLZ	DTR 8-8-4		764LR-1/2-1/2-1/4
N2603-08-08-06	IN-IN-IN	810-3-8-6	8-8-6 JBZ	8-8-6 JLZ	DTR 8-8-6		764LR-1/2-1/2-3/8
N2603-08-08-08	IN-IN-IN	810-3	8-8-8 JBZ	8ET8	DTA 8	8TTT	764L-1/2
N2603-10-10-10	IN-IN-IN	1010-3	10-10-10 JBZ	10 ET10	DTA 10	10TTT	764L-5/8
N2603-12-06-06	IN-IN-IN	1210-3-6-6	12-6-6 JBZ	12-6-6 JLZ	DTR 12-6-6		764LR-3/4-3/8-3/8
N2603-12-06-12	IN-IN-IN	1210-3-6-12	12-6-12 JBZ	12-6-12 JLZ	DTR 12-6-12		764LR-3/4-3/8-3/4
N2603-12-08-08	IN-IN-IN	1210-3-8-8	12-8-8 JBZ	12-8-8 JLZ	DTR 12-8-8		764LR-3/4-1/2-1/2
N2603-12-08-12	IN-IN-IN	1210-3-8-12	12-8-12 JBZ	12-8-12 JLZ	DTR 12-8-12		764LR-3/4-1/2-3/4
N2603-12-12-06	IN-IN-IN	1210-3-12-6	12-12-6 JBZ	12-12-6 JLZ	DTR 12-12-6		764LR-3/4-3/4-3/8
N2603-12-12-08	IN-IN-IN	1210-3-12-8	12-12-8 JBZ	12-12-8 JLZ	DTR 12-12-8		764LR-3/4-3/4-1/2
N2603-12-12-12	IN-IN-IN	1210-3	12-12-12 JBZ	12ET12	DTA 12	12TTT	764L-3/4
N2603-16-06-06	IN-IN-IN	1610-3-6-6	16-6-6 JBZ	16-6-6 JLZ	DTR 16-6-6		764LR-1-3/8-3/8
N2603-16-06-16	IN-IN-IN	1610-3-6-16	16-6-16 JBZ	16-6-16 JLZ	DTR 16-6-16		764LR-1-3/8-1
N2603-16-08-08	IN-IN-IN	1610-3-8-8	16-8-8 JBZ	16-8-8 JLZ	DTR 16-8-8		764LR-1-1/2-1/2
N2603-16-08-16	IN-IN-IN	1610-3-8-16	16-8-16 JBZ	16-8-16 JLZ	DTR 16-8-16		764LR-1-1/2-1
N2603-16-12-12	IN-IN-IN	1610-3-12-12	16-12-12 JBZ	16-12-12 JLZ	DTR 16-12-12		764LR-1-3/4-3/4
N2603-16-12-16	IN-IN-IN	1610-3-12-16	16-12-16 JBZ	16-12-16 JLZ	DTR 16-12-16		764LR-1-3/4-1
N2603-16-16-06	IN-IN-IN	1610-3-16-6	16-16-6 JBZ	16-16-6 JLZ	DTR 16-16-6		764LR-1-1-3/8
N2603-16-16-08	IN-IN-IN	1610-3-16-8	16-16-8 JBZ	16-16-8 JLZ	DTR 16-16-8		764LR-1-1-1/2
N2603-16-16-12	IN-IN-IN	1610-3-16-12	16-16-12 JBZ	16-16-12 JLZ	DTR 16-16-12		764LR-1-1-3/4
N2603-16-16-16	IN-IN-IN	1610-3	16-16-16 JBZ	16ET16	DTA 16	16TTT	764L-1
N2603-20-16-16	IN-IN-IN	2000-3-16-16	20-16-16 JBZ	20-16-16 JLZ	DTR 20-16-16		764LR-1 1/4-1-1
N2603-20-16-20	IN-IN-IN	2000-3-16-20	20-16-20 JBZ	20-16-20 JLZ	DTR 20-16-20		764LR-1 1/4-1-1/80
N2603-20-20-16	IN-IN-IN	2000-3-20-16	20-20-16 JBZ	20-20-16 JLZ	DTR 20-20-16		764LR-1 1/4-1-1/4-1
N2603-20-20-20	IN-IN-IN	2000-3	20-20-20 JBZ	20ET20	DTA 20	20TTT	764L-1 1/4
N2603-24-16-16	IN-IN-IN	2400-3-16-16	24-16-16 JBZ	24-16-16 JLZ	DTR 24-16-16		764LR-1 1/2-1-1
N2603-24-16-24	IN-IN-IN	2400-3-16-24	24-16-24 JBZ	24-16-24 JLZ	DTR 24-16-24		764LR-1 1/2-1-1 1/4
N2603-24-24-16	IN-IN-IN	2400-3-16-16	24-24-16 JBZ	24-24-16 JLZ	DTR 24-24-16		764LR-1 1/2 1/1/2-1
N2603-24-24-24	IN-IN-IN	2400-3	24-24-24 JBZ	24ET24	DTA 24	24TTT	764L-1 1/2
N2603-32-32-32	IN-IN-IN	3200-3	32-32-32 JBZ	32ET32	DTA 32	32TTT	764L-2
N2605-02-02-02	IN-MNPT-IN	200-3TMT	2-2-2 RBZ	2MRT2N	DTK 2-2	2TMT2	771L-1/8-1/8
N2605-02-04-02	IN-MNPT-IN	200-3-4TMT	2-4-2 RBZ	2MRT4N	DTK 2-4	2TMT4	771L-1/8-1/4
N2605-04-02-04	IN-MNPT-IN	400-3TMT	4-2-4 RBZ	4MRT2N	DTK 4-2	4TMT2	771L-1/4-1/8
N2605-04-04-04	IN-MNPT-IN	400-3-4TMT	4-4-4 RBZ	4MRT4N	DTK 4-4	4TMT4	771L-1/4-1/4
N2605-04-06-04	IN-MNPT-IN	400-3-6TMT	4-6-4 RBZ	4MRT6N	DTK 4-6	4TMT6	771L-1/4-3/8
N2605-04-08-04	IN-MNPT-IN	400-3-8TMT	4-8-4 RBZ	4MRT8N	DTK 4-8	4TMT8	771L-1/4-1/2
N2605-06-04-06	IN-MNPT-IN	600-3TMT	6-4-6 RBZ	6MRT4N	DTK 6-4	6TMT4	771L-3/8-1/4
N2605-06-06-06	IN-MNPT-IN	600-3-6TMT	6-6-6 RBZ	6MRT6N	DTK 6-6	6TMT6	771L-3/8-3/8
N2605-06-08-08	IN-MNPT-IN	600-3-8TMT	6-8-8 RBZ	6MRT8N	DTK 6-8	6TMT8	771L-3/8-1/2
N2605-08-04-08	IN-MNPT-IN	810-3-4TMT	8-4-8 RBZ	8MRT4N	DTK 8-4	8TMT4	771L-1/2-1/4
N2605-08-06-08	IN-MNPT-IN	810-3TMT	8-6-8 RBZ	8MRT6N	DTK 8-6	8TMT6	771L-1/2-3/8
N2605-08-08-08	IN-MNPT-IN	810-3-8TMT	8-8-8 RBZ	8MRT8N	DTK 8-8	8TMT8	771L-1/2-1/2

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2605-10-08-10	IN-MNPT-IN	1010-3TMT	10-8-10 RBZ	10MRT8N	DTK 10-8	10TMT8	771L-5/8-1/2
N2605-12-08-12	IN-MNPT-IN	1210-3-8TMT	12-8-12 RBZ	12MRT8N	DTK 12-8	12TMT8	771L-3/4-1/2
N2605-12-12-12	IN-MNPT-IN	1210-3TMT	12-12-12 RBZ	12MRT12N	DTK 12-12	12TMT12	771L-3/4-3/4
N2605-16-12-16	IN-MNPT-IN	1610-3-12TMT	16-12-16 RBZ	16MRT12N	DTK 16-12	16TMT12	771L-1-3/4
N2605-16-16-16	IN-MNPT-IN	1610-3TMT	16-16-16 RBZ	16MRT16N	DTK 16-16	16TMT16	771L-1-1
N2605-20-20-20	IN-MNPT-IN	2000-3TMT	20-20-20 RBZ	20MRT20N	DTK 20-20	20TMT20	771L-1 1/4-1 1/4
N2605-24-24-24	IN-MNPT-IN	2400-3TMT	24-24-24 RBZ	24MRT24N	DTK 24-24	24TMT24	771L-1 1/2 1/1/2
N2606-02-02-02	IN-FNPT-IN	200-3-2-TFT	2-2-2 MBZ	2FRT2N	DTF 2-2	2TFT2	771LF-1/8-1/8
N2606-04-02-04	IN-FNPT-IN	400-3TFT	4-2-4 MBZ	4FRT2N	DTF 4-2	4TFT2	771LF-1/4-1/8
N2606-04-04-04	IN-FNPT-IN	400-3-TFT	4-4-4 MBZ	4FRT4N	DTF 4-4	4TFT4	771LF-1/4-1/4
N2606-06-04-06	IN-FNPT-IN	600-3-4TFT	6-4-6 MBZ	6FRT4N	DTF 6-4	6TFT4	771LF-3/8-1/4
N2606-06-06-06	IN-FNPT-IN	600-3-6TFT	6-6-6 MBZ	6FRT6N	DTF 6-6	6TFT6	771LF-3/8-3/8
N2606-08-06-08	IN-FNPT-IN	810-3TFT	8-6-8 MBZ	8FRT6N	DTF 8-6	8TFT6	771LF-1/2-3/8
N2606-08-08-08	IN-FNPT-IN	810-3-8TFT	8-8-8 MBZ	8FRT8N	DTF 8-8	8TFT8	771LF-1/2-1/2
N2606-12-12-12	IN-FNPT-IN	1210-3TFT	12-12-12 MBZ	12FRT12N	DTF 12-12	12TFT12	771LF-3/4-3/4
N2606-16-12-16	IN-FNPT-IN	1610-3-12-TFT	16-12-16 MBZ	16FRT12N	DTF 16-12	16TFT12	771LF-1-3/4
N2606-16-16-16	IN-FNPT-IN	1610-3TFT	16-16-16 MBZ	16FRT16N	DTF 16-16	16TFT16	771LF-1-1
N2650-02-02-02-02	IN-IN-IN-IN	200-4	2 KBZ	2ECR2	DXA 2	2C	7102L-1/8
N2650-04-04-04-04	IN-IN-IN-IN	400-4	4 KBZ	4ECR4	DXA 4	4C	7102L-1/4
N2650-06-06-06-06	IN-IN-IN-IN	600-4	6KBZ	6ECR6	DXA 6	6C	7102L-3/8
N2650-08-08-08-08	IN-IN-IN-IN	810-4	8 KBZ	8ECR8	DXA 8	8C	7102L-1/2
N2650-12-12-12-12	IN-IN-IN-IN	1210-4	12 KBZ	12ECR12	DXA 12	12C	7102L-3/4
N2650-16-16-16-16	IN-IN-IN-IN	1610-4	16 KBZ	16ECR16	DXA 16	16C	7102L-1
N2700-LN-01-01	INBH-IN	100-61	1-1 WBZ	1BC1	DSU 1	1BU	774L-1/16-1/16
N2700-LN-02-02	INBH-IN	200-61	2-2 WBZ	2BC2	DSU 2	2BU	774L-1/8-1/8
N2700-LN-04-02	INBH-IN	400-61-2	4-2 WBZ	4BC2	DSU 4-2	4BU2	774L-1/4-1/8
N2700-LN-04-04	INBH-IN	400-61	4-4 WBZ	4BC4	DSU 4	4BU	774L-1/4-1/4
N2700-LN-05-05	INBH-IN	500-61	5-5 WBZ	5BC5	DSU 5	5BU	774L-5/16-5/16
N2700-LN-06-04	INBH-IN	600-61-4	6-4 WBZ	6BC4	DSU 6-4	6BU4	774L-3/8-1/4
N2700-LN-06-06	INBH-IN	600-61	6-6 WBZ	6BC6	DSU 6	6BU6	774L-3/8-3/8
N2700-LN-08-04	INBH-IN	810-61-4	8-4 WBZ	8BC4	DSU 8-4	8BU4	774L-1/2-1/4
N2700-LN-08-06	INBH-IN	810-61-6	8-6 WBZ	8BC6	DSU 8-6	8BU6	774L-1/2-3/8
N2700-LN-08-08	INBH-IN	810-61	8-8 WBZ	8BC8	DSU 8	8BU	774L-1/2-1/2
N2700-LN-10-10	INBH-IN	1010-61	10-10 WBZ	10BC10	DSU 10	10BU	774L-5/8-5/8
N2700-LN-12-12	INBH-IN	1210-61	12-12 WBZ	12BC12	DSU 12	12BU	774L-3/4-3/4
N2700-LN-16-16	INBH-IN	1610-61	16-16 WBZ	16BC16	DSU 16	16BU	774L-1-1
N2700-LN-20-20	INBH-IN	2000-61	20-20 WBZ	20BC20	DSU 20	20BU	774L-1 1/4-1 1/4
N2700-LN-24-24	INBH-IN	2400-61	24-24 WBZ	24BC24	DSU 24	24BU	774L-1 1/2-1 1/2
N2700-LN-32-32	INBH-IN	3200-61	32-32 WBZ	32BC32	DSU 32	32BU	774L-2-2
N2701-LN-02-02	INBH-IN 90				DSL 2		
N2701-LN-04-04	INBH-IN 90				DSL 4		
N2701-LN-06-06	INBH-IN 90				DSL 6		
N2701-LN-08-08	INBH-IN 90				DSL 8		
N2701-LN-12-12	INBH-IN 90				DSL 12		
N2701-LN-16-16	INBH-IN 90				DSL 16		
N2705-02-02	INBH-FNPT	200-71-2	2-2 GH2BZ	2FBC2N	DSS 2-2	2BCF2	774LF-1/8-1/8
N2705-04-02	INBH-FNPT	400-71-2	4-2 GH2BZ	4FBC2N	DSS 4-2	4BCF2	774LF-1/4-1/8
N2705-04-04	INBH-FNPT	400-71-4	4-4 GH2BZ	4FBC4N	DSS 4-4	4BCF4	774LF-1/4-1/4
N2705-06-04	INBH-FNPT	600-71-4	6-4 GH2BZ	6FBC4N	DSS 6-4	6BCF4	774LF-3/8-1/4
N2705-08-06	INBH-FNPT	810-71-6	8-6 GH2BZ	8FBC6N	DSS 8-6	8BCF6	774LF-1/2-3/8
N2705-08-08	INBH-FNPT	810-71-8	8-8 GH2BZ	8FBC8N	DSS 8-8	8BCF8	774LF-1/2-1/2
N2705-10-08	INBH-FNPT	1010-71-8	10-8 GH2BZ	10FBC8N	DSS 10-8	10BCF8	774LF-5/8-1/2
N2705-12-08	INBH-FNPT	1210-71-8	12-8 GH2BZ	12FBC8N	DSS 12-8	12BCF8	774LF-3/4-1/2
N2705-12-12	INBH-FNPT	1210-71-12	12-12 GH2BZ	12FBC12N	DSS 12-12	12BCF12	774LF-3/4-3/4
N2705-16-12	INBH-FNPT	1610-71-12	16-12 GH2BZ	16FBC12N	DSS 16-12	16BCF12	774LF-1-3/4
N2705-16-16	INBH-FNPT	1610-71-16	16-16 GH2BZ	16FBC16N	DSS 16-16	16BCF16	774LF-1-1
N2705-20-20	INBH-FNPT	2000-71-20	20-20 GH2BZ	20FBC20N	DSS 20-20	20BCF20	774LF-1 1/4-1 1/4
N2705-24-24	INBH-FNPT	2400-71-24	24-24 GH2BZ	24FBC24N	DSS 24-24	24BCF24	774LF-1 1/2-1 1/2
N2706-LN-02-02	INBH-MNPT	200-11-2	2-2 FH2BZ	2MBC2N	DSC 2-2	2BCM2	774LM-1/8-1/8
N2706-LN-04-02	INBH-MNPT	400-11-2	4-2 FH2BZ	4MBC2N	DSC 4-2	4BCM2	774LM-1/4-1/8
N2706-LN-04-04	INBH-MNPT	400-11-4	4-4 FH2BZ	4MBC4N	DSC 4-4	4BCM4	774LM-1/4-1/4
N2706-LN-06-04	INBH-MNPT	600-11-4	6-4 FH2BZ	6MBC4N	DSC 6-4	6BCM4	774LM-3/8-1/4

Cross Reference Chart

Brennan No.	Description	Swagelok	Parker CPI	Parker A-LOK	BI-LOK	GYROLOK	LET-LOK
N2706-LN-06-06	INBH-MNPT	600-11-6	6-6 FH2BZ	6MBC6N	DSC 6-6	6BCM6	774LM-3/8-3/8
N2706-LN-06-08	INBH-MNPT	600-11-8	6-8 FH2BZ	6MBC8N	DSC 6-8	6BCM8	774LM-3/8-1/2
N2706-LN-08-06	INBH-MNPT	810-11-6	8-6 FH2BZ	8MBC6N	DSC 8-6	8BCM6	774LM-1/2-3/8
N2706-LN-08-08	INBH-MNPT	810-11-8	8-8 FH2BZ	8MBC8N	DSC 8-8	8BCM8	774LM-1/2-1/2
N2706-LN-12-12	INBH-MNPT	1210-11-12	12-12 FH2BZ	12MBC12N	DSC 12-12	12BCM12	774LM-3/4-3/4
N2706-LN-16-16	INBH-MNPT	1610-11-16	16-16 FH2BZ	16MBC16N	DSC 16-16	16BCM16	774LM-1-1
N2706-LN-20-20	INBH-MNPT	2000-11-20	20-20 FH2BZ	20MBC20N	DSC 20-20	20BCM20	774LM-1 1/4-1 1/4
N2706-LN-24-24	INBH-MNPT	2400-11-24	24-24 FH2BZ	24MBC24N	DSC 24-24	24BCM24	774LM-1 1/2-1 1/2
N2709-02-02	INBH-STDPIPE	200-R1-2	2-2 T2H2BZ	2TUBC2	DSE 2	2BA2	774LT-1/8-1/8
N2709-04-04	INBH-STDPIPE	400-R1-4	4-4 T2H2BZ	4TUBC4	DSE 4	4BA4	774LT-1/4-1/4
N2709-06-06	INBH-STDPIPE	600-R1-6	6-6 T2H2BZ	6TUBC6	DSE 6	6BA6	774LT-3/8-3/8
N2709-08-08	INBH-STDPIPE	810-R1-8	8-8 T2H2BZ	8TUBC8	DSE 8	8BA8	774LT-1/2-1/2
N2709-10-10	INBH-STDPIPE	1010-R-10	10-10 T2H2BZ	10TUBC10	DSE 10	10BA10	774LT-5/8-5/8
N2709-16-16	INBH-STDPIPE	1610-R1-16	16-16 T2H2BZ	16TUBC16	DSE 16	16BA16	774LT-1-1
N2709-20-20	INBH-STDPIPE	2000-R1-20	20-20 T2H2BZ	20TUBC20	DSE 20	20BA20	774LT-1 1/4-1 1/4
N2709-24-24	INBH-STDPIPE	2400-R1-24	24-24 T2H2BZ	24TUBC24	DSE 24	24BA24	774LT-1 1/2-1 1/2
N6400-02-02-O	IN-MORB	200-1-2-ST	2-2 ZHBA	2M1SC2	DCU 2-2	2UANO2	768LOB-1/8-1/8
N6400-04-04-O	IN-MORB	400-1-4-ST	4-4 ZHBA	4M1SC4	DCU 4-4	4UANO4	768LOB-1/4-1/4
N6400-05-05-O	IN-MORB	500-1-5-ST	5-5 ZHBA	5M1SC5	DCU 5-5	5UANO5	768LOB-5/16-5/16
N6400-06-06-O	IN-MORB	600-1-6-ST	6-6 ZHBA	6M1SC6	DCU 6-6	6UANO6	768LOB-3/8-3/8
N6400-08-08-O	IN-MORB	810-1-8-ST	8-8 ZHBA	8M1SC8	DCU 8-8	8UANO8	768LOB-1/2-1/2
N6400-12-12-O	IN-MORB	1210-1-12-ST	12-12 ZHBA	12M1SC12	DCU 12-12	12UANO12	768LOB-3/4-3/4
N6400-16-16-O	IN-MORB	1610-1-16-ST	16-16 ZHBA	16M1SC16	DCU 16-16	16UANO16	768LOB-1-1
N6400-20-20-O	IN-MORB	2000-1-20-ST	20-20 ZHBA	20M1SC20	DCU 20-20	20UANO20	768LOB-1 1/4-1 1/4
N6400-24-24-O	IN-MORB	2400-1-24-ST	24-24 ZHBA	24M1SC24	DCU 24-24	24UANO24	768LOB-1 1/2-1 1/2
N6801-04-04-NWO	IN-MAORB 90	400-2-4ST	4-4 C5BZ	4M5SEL4			
N6801-04-06-NWO	IN-MAORB 90	400-2-6ST	4-6 C5BZ	4M5SEL6			
N6801-06-06-NWO	IN-MAORB 90	600-2-6ST	6-6 C5BZ	6M5SEL6			
N6801-06-08-NWO	IN-MAORB 90	600-2-8ST	6-8 C5BZ	6M5SEL8			
N6801-08-08-NWO	IN-MAORB 90	810-2-8ST	8-8 C5BZ	8M5SEL8			
N6801-10-10-NWO	IN-MAORB 90	1010-2-10ST	10-10 C5BZ	10M5SEL10			
N6801-12-12-NWO	IN-MAORB 90	1210-2-12ST	12-12 C5BZ	12M5SEL12			
N6801-14-14-NWO	IN-MAORB 90	1410-2-14ST	14-14 C5BZ	14M5SEL14			
N6801-16-16-NWO	IN-MAORB 90	1610-2-16ST	16-16 C5BZ	16M5SEL16			
N6801-20-20-NWO	IN-MAORB 90	2000-2-20ST	20-20 C5BZ	20M5SEL20			
N6801-24-24-NWO	IN-MAORB 90	2400-2-24ST	24-24 C5BZ	24M5SEL24			
N6802-04-04-NWO	IN-MAORB-45	400-5-4ST	4-4 V5BZ	4M5VEL4			
N6802-06-06-NWO	IN-MAORB-45	600-5-6ST	6-6 V5BZ	6M5VEL6			
N6802-08-08-NWO	IN-MAORB-45	810-5-8ST	8-8 V5BZ	8M5VEL8			
N6802-12-12-NWO	IN-MAORB-45	1210-5-12ST	12-12 V5BZ	12M5VEL12			
N6802-16-16-NWO	IN-MAORB-45	1610-5-16ST	16-16 V5BZ	16M5VEL16			
N6803-04-04-04NWO	IN-IN-MAORB	400-3TTS	4-4 S5BZ	4M5BT4			
N6803-06-06-06NWO	IN-IN-MAORB	600-3TTS	6-6 S5BZ	6M5BT6			
N6803-08-08-08NWO	IN-IN-MAORB	810-3TTS	8-8 S5BZ	8M5BT8			
N6803-12-12-12-NWO	IN-IN-MAORB	1210-3TTS	12-12 S5BZ	12M5BT12			
N6803-16-16-16-NWO	IN-IN-MAORB	1610-3TTS	16-16 S5BZ	16M5BT16			
N6803-20-20-20-NWO	IN-IN-MAORB	2000-3TTS	20-20 S5BZ	20M5BT20			
N6803-24-24-24-NWO	IN-IN-MAORB	2400-3TTS	24-24 S5BZ	24M5BT24			
N6804-04-04-04-NWO	IN-MAORB-IN	400-3TST	4-4-4 R5BZ	4M5RT4			
N6804-06-06-06-NWO	IN-MAORB-IN	600-3TST	6-6-6 R5BZ	6M5RT6			
N6804-08-08-08-NWO	IN-MAORB-IN	810-3TST	8-8-8 R5BZ	8M5RT8			
N6804-12-12-12-NWO	IN-MAORB-IN	1210-3TST	12-12-12 R5BZ	12M5RT12			
N6804-16-16-16-NWO	IN-MAORB-IN	1610-3TST	16-16-16 R5BZ	16M5RT16			
N6804-20-20-20-NWO	IN-MAORB-IN	2000-3TST	20-20-20 R5BZ	20M5RT20			
N6804-24-24-24-NWO	IN-MAORB-IN	2400-3TST	24-24-24 R5BZ	24M5RT24			