



DOUBLE FERRULE & SINGLE FERRULE
STAINLESS STEEL INSTRUMENTATION TUBE FITTINGS
QC HYDRAULICS IS A STAINLESS STEEL MANUFACTURER



沧州乾程液压器材有限公司 CANGZHOU QC HYDRAULICS CO., LTD







COMPANY INTRODUCTION

Cangzhou QC Hydraulics Co., Ltd was established in 1999, Over the years, QC Hydraulics has been developing into one of the world's most important manufacturers of stainless steel components. QC Hydraulics fittings meet or exceed SAE, JIC, DIN, ISO, JIS and international standards.

QC Hydraulics has a large products range for selection:

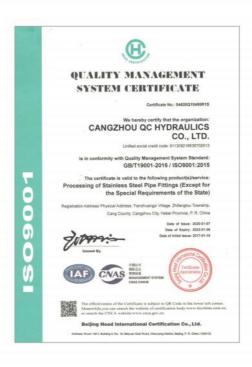
- SS one piece crimp hose fittings
- SS swaged hose fittings
- SS hydraulic adapters
- SS metric DIN tube fittings
- SS double & single ferrule compression tube fittings
- SS high pressure ball valves
- SS braided PTFE hose assembly
- Hydraulic hose assembly

Material includes: AISI 304(1.4301), AISI 316L(1.4404), AISI 316Ti(1.4571)

Tube and hose fittings for heavy-duty industrial applications. Our customers trust the quality of QC Hydraulics products – and have for decades. Our fields of application:

- Chemical plants
- Hydraulic engineering and shipbuilding
- Railway technology
- Offshore technology
- · Foundry and rolling mill technology
- Machine construction





Interchangeability

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

QC Hydraulics Double-Ferrule Compression

Tube Fittings are totally interchangeable

with tube fittings of certain other

manufacturers including Parker CPI™

and HOKE Gyrolok®.



INTRODUCTION



QC Hydraulics Instrumentation 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 QC Hydraulics Double-Ferrule joint starts leaking.

The secret behind the success of the QC Hydraulics 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 transmis sion 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 QC Hydraulics Double-Ferrule Tube Fitting is that the swaging action of the twin ferrules overcomes variations in tubing wall thickness, hardness and dimensional tolerance.

QC Hydraulics Double-Ferrule and Single-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.

QC Hydraulics Instrumentation 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

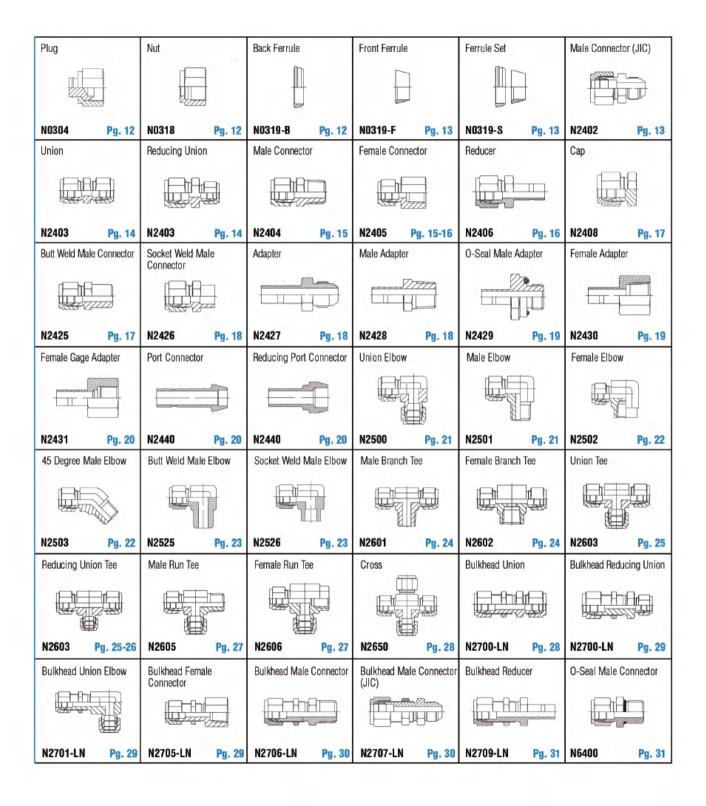
- Use geometry rather than torque for uniformity of make-up. (To complete the joint, it requires only a 1-1/4 turn after snuq-tightening.)
- Do not require disassembly and inspection of ferrule swaging at every make-up
- · Do not require any special tools for assembly

Service

QC Hydraulics 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





PRODUCT GALLERY



Contents

| Interchangeability | 2 |
|---|---|
| QC Hydraulics Instrumentation Tube Fittings | 3 |
| Product Gallery 4- | 5 |
| Tubing Selection Tubing Hardness Tubing Wall Thickness Tubing For Gas Service Tubing Handling | 6 |
| Tubing Specifications | 7 |
| Tubing-Working Pressure Tables 7- | 8 |
| Thread Specifications | 8 |
| Assembly | 9 |

| Pre-Setting | 9 |
|---|-----------|
| QC Hydraulics Gap Inspections Gages | p s 10 |
| Fitting Type Design | nators 10 |
| Ordering Codes . | 11 |
| Sizing Chart | 11 |
| Double-Ferrule Tul | |
| Single-Ferrule Fitti | ngs 36 |
| Instrumentation Va | alves 37 |
| Cross Reference | 38-47 |



Tubing Selection

Proper selection, handling and installation of tubing are essential for reliable tubing system performance. While QC Hydraulics 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. QC Hydraulics Stainless Steel Instrumentation Tube Fittings have been successfully lab tested with tubing hardness up to RB 90, the maximum hardness allowable under ASTM A 213 and A 269.

However, QC Hydraulics Instrumentation Tube Fittings will perform optimally and provide the maximum advantage and performance for tubes with hardnesses below RB 80. It is suggested that, when purchasing stainless steel tubing to ASTM A 213/A 269, you specify that the hardness of the tubing should not exceed RB 80.

The best results are obtained where the stainless steel tubing hardness is in the range RB 75-80. 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.

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".

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. | 1/16" | 1/8" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 1" | 1-1/4" | 1-1/2" | 2" |
|-------------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|--------|--------|------|
| Suggested Minimum Wall Thickness | .028" | ,028" | .028" | .035 | .035 | .041 | .052 | ,062 | .073 | .083 | ,104 | .125 | .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 is recommended (ERW tubing use is not recommended). 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 75-80.

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.

Tubing-Working Pressure Tables

Maximum Allowable Working Pressure Tables

Table #1: Stainless Steel Tubing

| TUBE | | | | | Wall Th | ickness of T | ube (inches |) | | | | | | |
|---------|-------|-------|-------|--------|---------|--------------|-------------|--------|-------|------------|-----------|-------|-------|-------|
| OD (In) | 0.01 | 0.012 | 0.016 | 0.02 | 0.028 | 0.035 | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 | 0.134 | 0.156 |
| 1/16 | 5,587 | 6,861 | 9,593 | 12,185 | | | | 4.11 | | | | | | |
| 1/8 | | | | | 8,565 | 10,829 | | | Work | ing Pressu | re (psig) | | | |
| 3/16 | | | | | 5,474 | 7,039 | 10,116 | | | | | | | |
| 1/4 | | | | | 4,020 | 5,132 | 7,500 | 10,135 | | | | | | |
| 5/16 | | | | | | 4,037 | 5,848 | 8,071 | | | | | | |
| 3/8 | | | | | | 3,326 | 4,791 | 6,566 | | | | | | |
| 1/2 | | | | | | 2,611 | 3,741 | 5,092 | 6,696 | | | | | |
| 5/8 | | | | | | | 2,951 | 3,998 | 5,225 | 6,075 | | | | |
| 3/4 | | | | | | | 2,436 | 3,289 | 4,283 | 4,966 | 5,785 | | | |
| 7/8 | | | | | | | 2,073 | 2,793 | 3,628 | 4,199 | 4,881 | | | |
| 1 | | | | | | | 1,804 | 2,427 | 3,146 | 3,637 | 4,220 | 4,688 | | |
| 1 1/4 | | | | | | | | | 2,485 | 2,867 | 3,321 | 3,682 | 4,149 | 4,900 |
| 1 1/2 | | | | | | | | | 2,046 | 2,358 | 2,726 | 3,020 | 3,398 | 4,003 |

The Allowable working pressures for 304 SS or 316 SS seamless tubing to ASTM A269-04 or equivalent based on the following data: Temperature: -20°F to 100°F; Ultimate Tensile Strength: 75,000 psi; Allowable stress: 20,000 psi as specified by ASME B31.3-2002.

| Table | #2- | Conner | Tubing |
|-------|------|--------|---------|
| Ianic | # Z. | CODDCI | IUDIIIU |

| TUBE | | | Wall | Thickness of | of Tube (incl | nes) | | | | | | | |
|--------|-------|-------|-------|--------------|---------------|------------|-----------|-------|-------|-------|-------|-------|-------|
| OD (In | 0.028 | 0.035 | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 | 0.134 | 0.148 | 0.165 | 0.18 | 0.22 |
| 1/8 | 2,789 | 3,772 | | | | | | | | | | | |
| 3/16 | 1,795 | 2,328 | 3,600 | | Work | ing Pressu | re (psig) | | | | | | |
| 1/4 | 1,306 | 1,681 | 2,550 | 3,624 | | | | | | | | | |
| 5/16 | | 1,314 | 1,973 | 2,767 | | | | | | | | | |
| 3/8 | | 1,078 | 1,608 | 2,237 | | | | | | | | | |
| 1/2 | | 791 | 1,172 | 1,615 | 2,145 | | | | | | | | |
| 5/8 | | | 920 | 1,262 | 1,667 | 1,956 | | | | | | | |
| 3/4 | | | 748 | 1,025 | 1,342 | 1,572 | 1,850 | | | | | | |
| 7/8 | | | 634 | 868 | 1,133 | 1,326 | 1,556 | | | | | | |
| 1 | | | 550 | 752 | 981 | 1,146 | 1,343 | 1,486 | | | | | |
| 1 1/4 | | | | | 771 | 900 | 1,052 | 1,163 | 1,320 | 1,481 | 1,656 | 1,836 | 2,308 |
| 1 1/2 | | | | | 635 | 740 | 878 | 954 | 1,082 | 1,212 | 1,353 | 1,497 | 1,873 |

The Allowable working pressures for copper seamless tubing to ASTM B75-92, ASTM B251 or equivalent based on the following data: Temperature: -20°F to 100°F; Ultimate Tensile Strength: 30,000 psi; Allowable stress: 6,000 psi as specified by ASME B31.3-2002.



Tubing-Working Pressure Tables...Continued

| TUBE | | | | | on Steel Tub of Tube (inc | | | | | | | | |
|--------|-------|-------|-------|-------|------------------------------|--------------|--------|-------|-------|-------|-------|-------|-------|
| OD (In | 0.028 | 0.035 | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 | 0.134 | 0.148 | 0.165 | 0.180 | 0.22 |
| 1/8 | 6,782 | 8,865 | | | | | | | | | | | |
| 3/16 | 4,319 | 5,556 | 8,253 | | | | | | | | | | |
| 1/4 | 3,166 | 4,043 | 5,912 | 8,254 | Work | ing Pressure | (psig) | | | | | | |
| 5/16 | | 3,177 | 4,604 | 6,356 | | | | | | | | | |
| 3/8 | | 2,615 | 3,769 | 5,167 | | | | | | | | | |
| 1/2 | | 2,051 | 2,940 | 4,003 | 5,265 | | | | | | | | |
| 5/8 | | 1,623 | 2,318 | 3,140 | 4,106 | 4,774 | | | | | | | |
| 3/4 | | | 1,912 | 2,583 | 3,364 | 3,901 | 4,545 | | | | | | |
| 7/8 | | | 1,627 | 2,193 | 2,848 | 3,297 | 3,833 | | | | | | |
| 1 | | | 1,415 | 1,904 | 2,469 | 2,855 | 3,314 | 3,681 | | | | | |
| 1 1/4 | | | | 1,504 | 1,946 | 2,246 | 2,601 | 2,885 | 3,251 | 3,624 | 4,086 | 4,501 | 5,650 |
| 1 1/2 | | | | | 1,607 | 1,853 | 2,143 | 2,374 | 2,672 | 2,974 | 3,347 | 3,681 | 4,599 |

The Allowable working pressures for carbon steel seamless tubing to **ASTM A 822-90 or equivalent** based on the following data: Temperature: -20°F to 100°F; Ultimate Tensile Strength: 47,000 ps; Allowable stress: 15,700 psi as specified by **ASME B31.3-2002.**

| TUBE | | | | | onel Tubing of Tube (inc | | | |
|--------|----------|--------|-------|-------|-----------------------------|--------------|--------|-------|
| OD (Ir | 1) 0.028 | 0.035 | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 |
| 1/8 | 8,007 | 10,462 | | | | | | |
| 1/4 | 3,758 | 4,798 | 7,012 | 9,788 | Work | ing Pressure | (psig) | |
| 3/8 | | 3,109 | 4,479 | 6,139 | | | | |
| 1/2 | | 2,298 | 3,288 | 4,470 | 5,867 | | | |
| 3/4 | | | 2.269 | 3,064 | 3,989 | 4,625 | 5,389 | |
| 1 | | | 1 682 | 2 263 | 2 933 | 3 390 | 3 934 | 4 370 |

The Allowable working pressures for Monel Alloy 400 seamless tubing for **ASTM B165-05 or equivalent** based on the following data: Temperature: -20°F to 100°F; Ultimate Tensile Strength: 70,000 psi; Allowable stress: 18,700 psi as specified by **ASME B31.3-2002**.

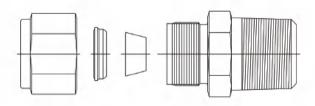
| I | able #5: S | tress Fact | or for Elevated Temperatures Carbon | | | | | | |
|--------------|-------------------------|------------|-------------------------------------|------------------------|------------------------|--|--|--|--|
| TEMP (°F) | Stainles ASTM 304 | | Copper ASTM B-75 | Steel ASTM A-179 | Monel ASTM B-165 | | | | |
| 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| 200 | 1.00 | 1.00 | 0.80 | 0.96 | 0.88 | | | | |
| 300 | 1.00 | 1.00 | 0.78 | 0.90 | 0.82 | | | | |
| 400 | 0.94 | 0.97 | 0.50 | 0.86 | 0.79 | | | | |
| 500 | 0.88 | 0.85 | | 0.82 | 0.79 | | | | |
| 600 | 0.82 | 0.85 | | 0.77 | 0.79 | | | | |
| 700 | 0.80 | 0.82 | | 0.73 | 0.79 | | | | |
| 800 | 0.76 | 0.80 | | 0.59 | 0.68 | | | | |
| 900 | 0.73 | 0.78 | | 0.41 | 0.43 | | | | |
| 1000 | 0.69 | 0.77 | | 0.16 | | | | | |

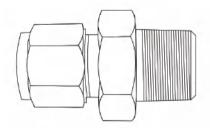
To find the maximum allowable working pressure for various tubing materials at elevated temperatures, multiply the maximum allowable working pressure for the tube size and wall thickness found in Tables 1, 2 and 3 by the correct stress factor found in this Table.

Thread Specifications

QC Hydraulics connectors have one or more tubing end connections and there are a variety of pipe threads for which QC Hydraulics 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 QC Hydraulics fittings with pipe threads or studied 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, JISB 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

QC Hydraulics single- and double-ferrule instrumentation tube fittings are sold fully assembled, fingertightened and ready for immediate use. Disassembly before use can result in dirt or foreign material getting into the fitting, which can cause leaks. QC Hydraulics Tube Fittings are installed in three easy steps:

Step 1

Insert the tubing into the QC Hydraulics 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 QC Hydraulics nut, scribe the nut at the 9 o'clock position.

Step 3

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

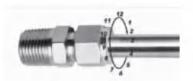
Watch the scribe mark and make one complete revolution. Then continue turning to the 12 o'clock position.

* For 1/16", 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-Setting

Sometimes, QC Hydraulics Tube Fittings must be installed in cramped quarters or overhead. For these applications, it is advantageous to use a preset tool on the tubing in an open ground level area, thus pre-swaging the ferrules onto the tubing. The tubing is then removed from the pre-setting tool. The tubing (with nut and pre-swaged ferrules) can now be attached to the fitting merely by following the reassembly instructions.

Step1

Assemble the QC Hydraulics 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-setting tool.

Step 3

The connection can now be made simply by snug-tightening the nut as described in QC Hydraulics easy to follow retightening instructions.

QC Hydraulics pre-set tools (series NPST) for all common fractional instrumentation tube fitting sizes are available from stock.

Pre-Set Tool Usage - Recommendations

QC Hydraulics recommends using manual pre-set tools for ½" and smaller size tubing and fittings when installations involve a large quantity of fittings or are in hard-to-reach areas.

For 5/8" and larger tubing sizes, QC Hydraulics suggests using a pre-set tool (hydraulic or manual) in all applications in recognition of the heavy wall tubing's intrinsic strength. For these larger tubing size jobs using tubing with a wall thickness of less than 0.065", only a manual QC Hydraulics pre-set tool is required. In applications where the tubing wall thickness is 0.065" and above hydraulically pre-setting of the ferrules onto the tubing is specifically recommended.



QC Hydraulics Gap Inspection Gages

QC Hydraulics carbon steel Gap Inspection Gages are designed to assure that an instrumentation tube fitting has been sufficiently pulled up.

These gages are particularly useful when fittings are to be tightened in difficult or inaccessible locations. They are also designed for use in systems where insufficient make-up could cause potentially dangerous or expensive consequences.

The Gap Inspection Gages are not intended for use in subsequent remake assemblies, QC Hydraulics gages have both "Go" and "No Go" ends. They should be used only in initial make-up situations.

The NGG Series gages are available from stock in 1/2" and above sizes.

NOTE:

QC Hydraulics has a dynamic Research & Development program for the development of fittings in different materials, higher pressures and temperatures. The dimensions and information given in this catalog are subject to change without notice as a result of this research and development.

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 |
| N2402 | Male Connector (JIC) | N2603 | Reducing Union Tee |
| N2403 | Union | N2605 | Male Run Tee |
| N2403 | Reducing Union | N2606 | Female Run Tee |
| N2404 | Male Connector | N2650 | Cross |
| N2405 | Female Connector | N2700-LN | Bulkhead Union |
| N2406 | Reducer | N2700-LN | Bulkhead Reducing Union |
| N2408 | Cap | N2701-LN | Bulkhead Union Elbow |
| N2425 | Butt Weld Male Connector | N2705-LN | Bulkhead Female Connector |
| N2426 | Socket Weld Male Connector | N2706-LN | Bulkhead Male Connector (NPT) |
| N2427 | Male Adapter (JIC) | N2707-LN | Bulkhead Male Connector (JIC) |
| N2428 | Male Adapter (NPT) | N2709-LN | Bulkhead Reducer |
| N2429 | O-Seal Male Adapter | N6400 | O-Seal Male Connector |
| N2430 | Female Adapter | N6801 | 90° Positionable Male Elbow |
| N2431 | Female Gage Adapter | N6802 | 45° Degree Positionable Male Elbow |
| N2440 | Port Connector | N6803 | 90° Positionable Male Branch Tee |
| N2440 | Reducing Port Connector | N6804 | Positionable Male Run Tee |
| N2500 | Union Elbow | N7000 | BSPT Male Connector |
| N2501 | Male Elbow | N7002 | BSPP Male Connector |
| N2502 | Female Elbow | N7202 | BSPP Positionable Male Elbow |
| N2503 | 45 Degree Male Elbow | | |

· Additional Fitting Types Are Available Upon Request.



Ordering Codes

Fitting Type (Male Connector)

(Male Connector)

Fitting Type (Male Connector)

(Mal

- 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.

Sizing Chart

| Tub | e-1 | 0- | Ρi | pe | or |
|-----|-----|----|----|-----|----|
| Tu | ho | To | _T | inh | n |

| Size No. | 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 | 1/8 1/4 |
| 2-4 | | |
| 3-2 3-4 | 3/16 | 1/8 1/4 |
| | 3/16 | |
| 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 |

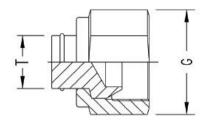
· Additional sizes are available upon request.



Plug N0304

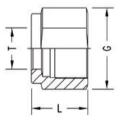
| Part | T Tube | G |
|----------|--------|------|
| No. | OD | A/F |
| N0304-01 | 1/16 | 0.31 |
| N0304-02 | 1/8 | 0.43 |
| N0304-04 | 1/4 | 0.56 |
| N0304-05 | 5/16 | 0.63 |
| N0304-06 | 3/8 | 0.69 |
| N0304-08 | 1/2 | 0.87 |
| N0304-10 | 5/8 | 1.00 |
| N0304-12 | 3/4 | 1.12 |
| N0304-14 | 7/8 | 1.26 |
| N0304-16 | 1 1 | 1.50 |
| N0304-20 | 1-1/4 | 1.87 |
| N0304-24 | 1-1/2 | 2.24 |
| N0304-32 | 2 | 3.00 |

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 N0318

| Part | T Tube | | G | | |
|----------|--------|------|------|--|--|
| No. | OD | L | A/F | | |
| N0318-01 | 1/16 | 0.33 | 0.31 | | |
| N0318-02 | 1/8 | 0.47 | 0.43 | | |
| N0318-04 | 1/4 | 0.50 | 0.56 | | |
| N0318-05 | 5/16 | 0.53 | 0.63 | | |
| N0318-06 | 3/8 | 0.59 | 0.67 | | |
| N0318-08 | 1/2 | 0.69 | 0.87 | | |
| N0318-10 | 5/8 | 0.69 | 0.98 | | |
| N0318-12 | 3/4 | 0.71 | 1.12 | | |
| N0318-14 | 7/8 | 0.69 | 1.26 | | |
| N0318-16 | 1 1 | 0.85 | 1.50 | | |
| N0318-20 | 1-1/4 | 1.25 | 1.97 | | |
| N0318-24 | 1-1/2 | 1.5 | 2.24 | | |
| N0318-32 | 2 | 2.07 | 2.99 | | |



Back Ferrule N0319-B

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



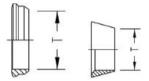
Front Ferrule N0319-F

| Part | T Tube |
|------------|--------|
| No. | 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 |



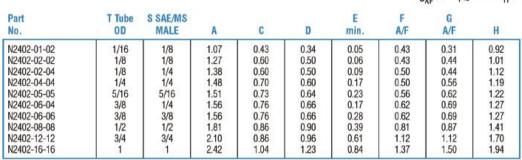
Ferrule Set N0319-S

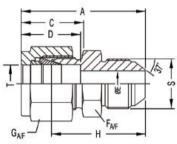
| Part No. | T Tube |
|-------------|--------|
| NU. | 00 |
| N0319-S-01 | 1/16 |
| N0319-S-02 | 1/8 |
| N0319-S-04 | 1/4 |
| N0319-S-05 | 5/16 |
| N0319-S-06 | 3/8 |
| N0319-S-08 | 1/2 |
| N0319-S-10 | 5/8 |
| N0319-S-12 | 3/4 |
| N0319-S-14 | 7/8 |
| N0319-S-16 | 1 |
| N0319-S-20 | 1-1/4 |
| N0319-S-24 | 1-1/2 |
| N0319-S-32 | 2 |



Male Connector (JIC) N2402

Tube X Male JIC







Union N2403

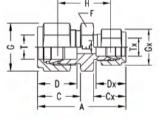
D - D - C - A - C -

Tube x Tube

| Part No. | T Tube OD | А | C | D | E min. | F A/F | G A/F | н |
|-------------|--------------|------|------|------|-----------|----------|----------|------|
| | | | _ | _ | | | | |
| N2403-01-01 | 1/16 | 0.99 | 0.43 | 0.34 | 0.05 | 0.31 | 0.31 | 0.69 |
| N2403-02-02 | 1/8 | 1.40 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.88 |
| N2403-04-04 | 1/4 | 1.61 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.03 |
| N2403-05-05 | 5/16 | 1.69 | 0.73 | 0.64 | 0.25 | 0.56 | 0.63 | 1.11 |
| N2403-06-06 | 3/8 | 1.77 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.19 |
| N2403-08-08 | 1/2 | 2.02 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 1.22 |
| N2403-10-10 | 5/8 | 2.05 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.25 |
| N2403-12-12 | 3/4 | 2.11 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.31 |
| N2403-14-14 | 7/8 | 2.17 | 0.86 | 1.02 | 0.72 | 1.19 | 1.26 | 1.37 |
| N2403-16-16 | 1 1 | 2.55 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.59 |
| N2403-20-20 | 1-1/4 | 3.63 | 1.53 | 1.62 | 1.09 | 1.75 | 1.97 | 1.89 |
| N2403-24-24 | 1-1/2 | 4.25 | 1.78 | 1.97 | 1.34 | 2.16 | 2.24 | 2.11 |
| N2403-32-32 | 2 | 5.88 | 2.47 | 2.66 | 1.81 | 2.75 | 3.00 | 2.94 |

Reducing Union N2403

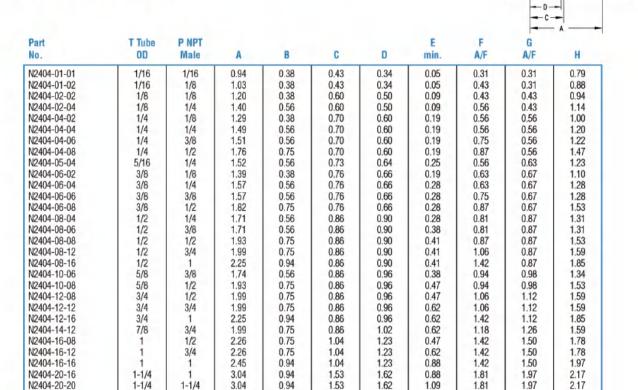
Tube x Tube



| No. | OD Tube | OD OD | A | C | Сх | D | Dx | E | F | G | Gx | Н |
|-------------|---------|-------|------|------|------|------|------|------|------|------|------|------|
| N2403-04-02 | 1/4 | 1/8 | 1.52 | 0.70 | 0.60 | 0.60 | 0.50 | 0.09 | 0.56 | 0.56 | 0.44 | 0.97 |
| N2403-05-02 | 5/16 | 1/8 | 1.56 | 0.73 | 0.60 | 0.64 | 0.50 | 0.09 | 0.56 | 0.63 | 0.44 | 1.01 |
| N2403-05-04 | 5/16 | 1/4 | 1.66 | 0.73 | 0.70 | 0.64 | 0.60 | 0.19 | 0.56 | 0.63 | 0.56 | 1.08 |
| N2403-06-02 | 3/8 | 1/8 | 1.61 | 0.76 | 0.60 | 0.66 | 0.50 | 0.09 | 0.63 | 0.69 | 0.44 | 1.06 |
| N2403-06-04 | 3/8 | 1/4 | 1.70 | 0.76 | 0.70 | 0.66 | 0.60 | 0.19 | 0.63 | 0.69 | 0.56 | 1.12 |
| N2403-08-02 | 1/2 | 1/8 | 1.78 | 0.86 | 0.60 | 0.90 | 0.50 | 0.09 | 0.81 | 0.87 | 0.44 | 1.12 |
| N2403-08-04 | 1/2 | 1/4 | 1.85 | 0.86 | 0.70 | 0.90 | 0.60 | 0.19 | 0.81 | 0.87 | 0.56 | 1.16 |
| N2403-08-06 | 1/2 | 3/8 | 1.91 | 0.86 | 0.76 | 0.90 | 0.66 | 0.28 | 0.81 | 0.87 | 0.69 | 1.22 |
| N2403-10-06 | 5/8 | 3/8 | 1.94 | 0.86 | 0.76 | 0.96 | 0.66 | 0.28 | 0.94 | 1.00 | 0.69 | 1.25 |
| N2403-10-08 | 5/8 | 1/2 | 2.05 | 0.86 | 0.86 | 0.96 | 0.90 | 0.41 | 0.94 | 1.00 | 0.87 | 1.25 |
| N2403-12-04 | 3/4 | 1/4 | 1.94 | 0.86 | 0.70 | 0.96 | 0.60 | 0.19 | 1.06 | 1.12 | 0.56 | 1.25 |
| N2403-12-06 | 3/4 | 3/8 | 2.00 | 0.86 | 0.76 | 0.96 | 0.66 | 0.28 | 1.06 | 1.12 | 0.69 | 1.31 |
| N2403-12-08 | 3/4 | 1/2 | 2.11 | 0.86 | 0.86 | 0.96 | 0.90 | 0.41 | 1.06 | 1.12 | 0.87 | 1.31 |
| N2403-16-08 | 1 | 1/2 | 2.38 | 1.04 | 0.86 | 1.23 | 0.90 | 0.41 | 1.42 | 1.50 | 0.87 | 1.50 |
| N2403-16-12 | 1 | 3/4 | 2.38 | 1.04 | 0.86 | 1.23 | 0.96 | 0.62 | 1.42 | 1.50 | 1.12 | 1.50 |
| N2403-20-16 | 1-1/4 | 1 | 3.63 | 1.53 | 1.04 | 1.62 | 1.23 | 0.88 | 1.81 | 1.97 | 1.50 | 1.89 |
| N2403-24-20 | 1-1/2 | 1-1/4 | 2.38 | 1.78 | 1.53 | 1.97 | 1.62 | 1.08 | 2.17 | 2.24 | 1.97 | 2.11 |

Male Connector N2404

Tube x Male NPT Threads



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

1.03

1.06

1.78

2.47

1.97

2.66

1.34

1.81

2.17

2.76

2.24

I

⊢ D

2.43

3.00

3.50

4.47

Female Connector N2405

1-1/2

Tube x Female NPT Threads

1-1/2

N2404-24-24

N2404-32-32

| | | | | | | | | | _ | — A — |
|-------------|--------|--------|------|------|------|------|------|------|------|-------|
| Part | T Tube | PNPT | | | | | E | F | G | |
| No. | OD | Female | A | В | C | D | min. | A/F | A/F | Н |
| N2405-01-01 | 1/16 | 1/16 | 0.93 | 0.38 | 0.43 | 0.34 | 0.05 | 0.43 | 0.31 | 0.78 |
| N2405-01-02 | 1/16 | 1/8 | 0.96 | 0.41 | 0.43 | 0.34 | 0.05 | 0.56 | 0.31 | 0.81 |
| N2405-02-02 | 1/8 | 1/8 | 1.13 | 0.41 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 0.87 |
| N2405-02-04 | 1/8 | 1/4 | 1.32 | 0.59 | 0.60 | 0.50 | 0.09 | 0.75 | 0.43 | 1.06 |
| N2405-04-02 | 1/4 | 1/8 | 1.23 | 0.41 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 0.94 |
| N2405-04-04 | 1/4 | 1/4 | 1.41 | 0.59 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.12 |
| N2405-04-06 | 1/4 | 3/8 | 1.48 | 0.59 | 0.70 | 0.60 | 0.19 | 0.87 | 0.56 | 1.19 |
| N2405-04-08 | 1/4 | 1/2 | 1.67 | 0.78 | 0.70 | 0.60 | 0.19 | 1.06 | 0.56 | 1.38 |
| N2405-05-02 | 5/16 | 1/8 | 1.26 | 0.41 | 0.73 | 0.64 | 0.25 | 0.56 | 0.63 | 0.97 |
| N2405-05-04 | 5/16 | 1/4 | 1.45 | 0.59 | 0.73 | 0.64 | 0.25 | 0.75 | 0.63 | 1.16 |
| N2405-06-02 | 3/8 | 1/8 | 1.29 | 0.41 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.00 |
| N2405-06-04 | 3/8 | 1/4 | 1.48 | 0.59 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 1.19 |
| N2405-06-06 | 3/8 | 3/8 | 1.54 | 0.59 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.25 |
| N2405-06-08 | 3/8 | 1/2 | 1.73 | 0.78 | 0.76 | 0.66 | 0.28 | 1.06 | 0.67 | 1.44 |
| N2405-08-04 | 1/2 | 1/4 | 1.59 | 0.59 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 1.19 |

continued on next page



沧州乾程液压器材有限公司 CANGZHOU QC HYDRAULICS CO., LTD

Female Connector

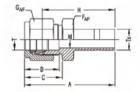
N2405 Continued

Tube x Female NPT Threads

| Part No. | T Tube OD | P NPT Female | Α | В | С | D | E min. | F A/F | G A/F | Н |
|-------------|--------------|-----------------|------|------|------|------|-----------|----------|----------|------|
| N2405-08-06 | 1/2 | 3/8 | 1.65 | 0.59 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.25 |
| N2405-08-08 | 1/2 | 1/2 | 1.84 | 0.78 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 1.44 |
| N2405-08-12 | 1/2 | 3/4 | 1.90 | 0.81 | 0.86 | 0.90 | 0.41 | 1.26 | 0.87 | 1.50 |
| N2405-10-06 | 5/8 | 3/8 | 1.65 | 0.59 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.25 |
| N2405-10-08 | 5/8 | 1/2 | 1.84 | 0.78 | 0.86 | 0.96 | 0.50 | 1.06 | 0.98 | 1.44 |
| N2405-12-08 | 3/4 | 1/2 | 1.84 | 0.78 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.44 |
| N2405-12-12 | 3/4 | 3/4 | 1.90 | 0.81 | 0.86 | 0.96 | 0.62 | 1.42 | 1.12 | 1.50 |
| N2405-14-12 | 7/8 | 3/4 | 1.96 | 0.81 | 0.86 | 1.02 | 0.72 | 1.42 | 1.26 | 1.56 |
| N2405-16-12 | 1 | 3/4 | 2.10 | 0.81 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.62 |
| N2405-16-12 | 1 1 | 1 1 | 2.45 | 1.00 | 1.04 | 1.23 | 0.88 | 1.61 | 1.50 | 1.97 |
| N2405-20-20 | 1-1/4 | 1-1/4 | 2.94 | 1.00 | 1.53 | 1.62 | 1.09 | 2.17 | 1.97 | 2.07 |
| N2405-24-24 | 1-1/2 | 1-1/2 | 3.28 | 1.09 | 1.78 | 1.97 | 1.34 | 2.36 | 2.24 | 2.21 |

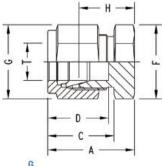
Reducer N2406

Tube x Machined Tube Stub



| Part | T Tube | Tx Tube | | | | E | F | G | |
|-------------|--------|---------|------|------|------|------|------|------|------|
| No. | OD | OD | Α | C | D | min. | A/F | A/F | Н |
| N2406-02-02 | 1/8 | 1/8 | 1.32 | 0.60 | 0.50 | 0.08 | 0.43 | 0.43 | 1.06 |
| N2406-02-04 | 1/8 | 1/4 | 1.42 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.16 |
| N2406-04-02 | 1/4 | 1/8 | 1.45 | 0.70 | 0.60 | 0.08 | 0.56 | 0.56 | 1.16 |
| N2406-04-04 | 1/4 | 1/4 | 1.54 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.25 |
| N2406-04-06 | 1/4 | 3/8 | 1.60 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.31 |
| N2406-04-08 | 1/4 | 1/2 | 1.82 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.53 |
| N2406-05-06 | 5/16 | 3/8 | 1.65 | 0.73 | 0.64 | 0.25 | 0.56 | 0.63 | 1.36 |
| N2406-05-08 | 5/16 | 1/2 | 1.87 | 0.73 | 0.64 | 0.25 | 0.56 | 0.63 | 1.58 |
| N2406-06-04 | 3/8 | 1/4 | 1.63 | 0.76 | 0.66 | 0.19 | 0.63 | 0.67 | 1.34 |
| N2406-06-06 | 3/8 | 3/8 | 1.70 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.41 |
| N2406-06-08 | 3/8 | 1/2 | 1.91 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.62 |
| N2406-08-04 | 1/2 | 1/4 | 1.77 | 0.86 | 0.90 | 0.19 | 0.87 | 0.87 | 1.37 |
| N2406-08-06 | 1/2 | 3/8 | 1.84 | 0.86 | 0.90 | 0.28 | 0.87 | 0.87 | 1.44 |
| N2406-08-08 | 1/2 | 1/2 | 2.06 | 0.86 | 0.90 | 0.39 | 0.87 | 0.87 | 1.66 |
| N2406-08-12 | 1/2 | 3/4 | 2.12 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.72 |
| N2406-08-16 | 1/2 | 1 | 2.37 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 1.97 |
| N2406-10-12 | 5/8 | 3/4 | 2.15 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.75 |
| N2406-10-14 | 5/8 | 7/8 | 2.21 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.81 |
| N2406-12-08 | 3/4 | 1/2 | 2.15 | 0.86 | 0.96 | 0.39 | 1.06 | 1.12 | 1.75 |
| N2406-12-16 | 3/4 | 1 | 2.46 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 2.06 |
| N2406-16-20 | 1 | 1-1/4 | 3.17 | 1.04 | 1.23 | 0.88 | 1.38 | 1.50 | 2.69 |
| N2406-16-24 | 1 | 1-1/2 | 3.51 | 1.04 | 1.23 | 0.88 | 1.62 | 1.50 | 3.03 |

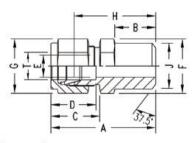
Cap N2408



| Part | T Tube | | | | F | G | |
|----------|--------|------|------|------|------|------|------|
| No. | OD | A | C | D | A/F | A/F | Н |
| N2408-01 | 1/16 | 0.59 | 0.43 | 0.34 | 0.43 | 0.31 | 0.44 |
| N2408-02 | 1/8 | 0.79 | 0.60 | 0.50 | 0.43 | 0.43 | 0.53 |
| N2408-04 | 1/4 | 0.92 | 0.70 | 0.60 | 0.56 | 0.56 | 0.63 |
| N2408-05 | 5/16 | 0.96 | 0.73 | 0.64 | 0.63 | 0.63 | 0.67 |
| N2408-06 | 3/8 | 1.01 | 0.76 | 0.66 | 0.67 | 0.67 | 0.72 |
| N2408-08 | 1/2 | 1.15 | 0.86 | 0.90 | 0.87 | 0.87 | 0.75 |
| N2408-10 | 5/8 | 1.18 | 0.86 | 0.96 | 0.94 | 0.98 | 0.78 |
| N2408-12 | 3/4 | 1.24 | 0.86 | 0.96 | 1.06 | 1.12 | 0.84 |
| N2408-14 | 7/8 | 1.34 | 0.86 | 1.02 | 1.42 | 1.26 | 0.94 |
| N2408-16 | 1 1 | 1.51 | 1.04 | 1.23 | 1.42 | 1.50 | 1.03 |
| N2408-20 | 1-1/4 | 2.10 | 1.53 | 1.62 | 1.81 | 1.97 | 1.23 |
| N2408-24 | 1-1/2 | 2.54 | 1.78 | 1.97 | 2.17 | 2.24 | 1.47 |
| N2408-32 | 2 | 3.41 | 2.47 | 2.66 | 2.76 | 3.00 | 1.94 |

Butt Weld Male Connector N2425

Tube x Male Pipe Weld



| Part No. | T Tube | Pipe Weld Male | A | В | C | D | E min. | F A/F | G A/F | н | J |
|--------------|--------|-------------------|------|------|------|------|-----------|----------|----------|------|------|
| N2425-02-02 | 1/8 | 1/8 | 1.20 | 0.38 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.94 | 0.41 |
| N2425-04-02 | 1/4 | 1/8 | 1.29 | 0.38 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.00 | 0.41 |
| N2425-04-04 | 1/4 | 1/4 | 1.49 | 0.56 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.20 | 0.54 |
| N2425-05-02 | 5/16 | 1/8 | 1.34 | 0.38 | 0.73 | 0.64 | 0.20 | 0.56 | 0.63 | 1.05 | 0.41 |
| N2425-05-04 | 5/16 | 1/4 | 1.52 | 0.56 | 0.73 | 0.64 | 0.25 | 0.63 | 0.63 | 1.23 | 0.54 |
| N2425-06-04 | 3/8 | 1/4 | 1.57 | 0.56 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.28 | 0.54 |
| N2425-06-06 | 3/8 | 3/8 | 1.57 | 0.56 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 1.28 | 0.68 |
| N2425-06-08 | 3/8 | 1/2 | 1.82 | 0.75 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.53 | 0.84 |
| N2425-08-06 | 1/2 | 3/8 | 1.71 | 0.56 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 1.31 | 0.68 |
| N2425-08-08 | 1/2 | 1/2 | 1.93 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.53 | 0.84 |
| N2425-08-12 | 1/2 | 3/4 | 1.99 | 0.75 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 1.59 | 1.05 |
| N2425-10-08 | 5/8 | 1/2 | 1.93 | 0.75 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.53 | 0.84 |
| N2425-12-12 | 3/4 | 3/4 | 1.99 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.59 | 1.05 |
| N2425-16-16 | 1 1 | 1 1 | 2.45 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.97 | 1.31 |
| N2425-20-205 | 1-1/4 | 1-1/4 | 3.04 | 0.94 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 2.17 | 1.66 |
| N2425-24-24 | 1-1/2 | 1-1/2 | 3.50 | 1.03 | 1.78 | 1.97 | 1.34 | 2.17 | 2.36 | 2.43 | 1.90 |

Socket Weld Male Connector N2426

Tube x Male Socket Weld

| | | | | | | | | | - | A — | | |
|-------------|--------|------|------|------|------|------|------|------|------|------|------|--|
| Part | T Tube | | | | | | E | F | G | | | |
| No. | OD | Α | В | Bx | C | D | min. | A/F | A/F | Н | J | |
| N2426-02-02 | 1/8 | 1.14 | 0.34 | 0.25 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.90 | 0.31 | |
| N2426-04-04 | 1/4 | 1.32 | 0.41 | 0.31 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.03 | 0.44 | |
| N2426-06-06 | 3/8 | 1.48 | 0.47 | 0.38 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.19 | 0.62 | |
| N2426-08-08 | 1/2 | 1.62 | 0.47 | 0.50 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.22 | 0.75 | |
| N2426-12-12 | 3/4 | 1.71 | 0.47 | 0.56 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.31 | 1.05 | |
| N2426-16-16 | 1 1 | 2.07 | 0.56 | 0.75 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.59 | 1.31 | |
| N2426-20-20 | 1-1/4 | 2.85 | 0.75 | 0.75 | 1.53 | 1.62 | 1.09 | 1.77 | 1.97 | 1.98 | 1.65 | |
| N2426-24-24 | 1-1/2 | 3.22 | 0.75 | 0.94 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 2.15 | 1.97 | |

Male Adapter N2427

Machined Tube Stub x Male JIC

| Part No. | T Tube | Flare Size | Α | В | E min. | F _{A/F} |
|-------------|--------|---------------|------|------|-----------|------------------|
| | | | | | | |
| N2427-04-04 | 1/4 | 1/4 | 1.50 | 0.55 | 0.16 | 0.50 |
| N2427-06-06 | 3/8 | 3/8 | 1.56 | 0.55 | 0.28 | 0.63 |
| N2427-08-08 | 1/2 | 1/2 | 1.90 | 0.66 | 0.39 | 0.81 |
| N2427-12-12 | 3/4 | 3/4 | 2.20 | 0.86 | 0.59 | 1.13 |
| N2427-16-16 | 1 | 1 | 1.87 | 0.91 | 0.25 | 1.42 |
| N2427-20-20 | 1-1/4 | 1-1/4 | 3.16 | 0.96 | 1.07 | 1.81 |
| N2427-24-24 | 1-1/2 | 1-1/2 | 3.70 | 1.08 | 1.31 | 2.00 |

Male Adapter N2428

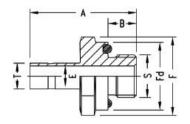
Machined Tube Stub x Male NPT Threads

| Part | T Tube | P NPT | | E | F | |
|-------------|--------|-------|------|------|------|----------|
| No. | OD | Male | Α | В | min. | A/F |
| N2428-02-02 | 1/8 | 1/8 | 29.5 | 9.6 | 2.3 | 11 |
| N2428-02-04 | 1/8 | 1/4 | 34.8 | 14.3 | 2.3 | 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 | 6.4 | 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 | 27 36 |
| 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

Machined Tube Stub x Male Straight Threads

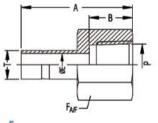


| Part | T Tube | S-SAE/MS | | E | | Fd | O Ring* | |
|-------------|-----------|----------|------|------|------|----|---------|----------|
| No. | Male | Male | A | В | min. | F | A/F | Part No. |
| N2429-02-02 | 5/16-24 | 1/8 | 32.5 | 8.6 | 2.4 | 14 | 13.8 | 4001-01 |
| N2429-04-04 | 7/16-24 | 1/4 | 39.2 | 10.4 | 4.8 | 19 | 18.8 | 4001-02 |
| N2429-05-05 | 1/2-24 | 5/16 | 41.7 | 11.2 | 6.3 | 22 | 21.8 | 4001-03 |
| N2429-06-06 | 9/16-24 | 3/8 | 43.2 | 12.0 | 7.1 | 24 | 23.6 | 4001-04 |
| N2429-08-08 | 3/4-24 | 1/2 | 49.5 | 12.0 | 9.9 | 27 | 26.8 | 4001-06 |
| N2429-12-12 | 1-1/16-12 | 3/4 | 55.0 | 14.3 | 15.0 | 38 | 37.8 | 4001-12 |
| N2429-16-16 | 1-5/16-12 | 1 1 | 62.5 | 14.3 | 19.8 | 45 | 44.0 | 4001-16 |
| N2429-20-20 | 1-5/8-12 | 1-1/4 | 79.5 | 18.3 | 27.4 | 55 | 54.0 | 4001-20 |
| N2429-24-24 | 1-7/8-12 | 1-1/2 | 92.2 | 19.8 | 33.3 | 60 | 58.0 | 4001-24 |

^{*}Standard QC Hydraulics Instrumentation O-Rings are black Viton.

Female Adapter N2430

Machined Tube Stub x Female NPT Threads

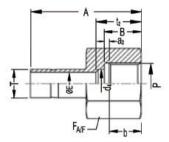


| Part | T Tube | P NPT | | E | F | |
|-------------|--------|--------|------|------|------|------|
| No. | OD | Female | A | В | min. | A/F |
| N2430-02-02 | 1/8 | 1/8 | 1.24 | 0.41 | 0.09 | 0.56 |
| N2430-02-04 | 1/4 | 1/8 | 1.39 | 0.59 | 0.09 | 0.75 |
| N2430-04-02 | 1/8 | 1/4 | 1.30 | 0.41 | 0.19 | 0.56 |
| N2430-04-04 | 1/4 | 1/4 | 1.46 | 0.59 | 0.19 | 0.75 |
| N2430-04-06 | 3/8 | 1/4 | 1.55 | 0.59 | 0.19 | 0.87 |
| N2430-04-08 | 1/2 | 1/4 | 1.79 | 0.78 | 0.19 | 1.06 |
| N2430-05-04 | 1/4 | 5/16 | 1.48 | 0.59 | 0.25 | 0.75 |
| N2430-06-04 | 1/4 | 3/8 | 1.50 | 0.59 | 0.28 | 0.75 |
| N2430-06-06 | 3/8 | 3/8 | 1.59 | 0.59 | 0.28 | 0.87 |
| N2430-06-08 | 1/2 | 3/8 | 1.84 | 0.78 | 0.28 | 1.06 |
| N2430-08-04 | 1/4 | 1/2 | 1.71 | 0.59 | 0.39 | 0.75 |
| N2430-08-06 | 3/8 | 1/2 | 1.79 | 0.59 | 0.39 | 0.87 |
| N2430-08-08 | 1/2 | 1/2 | 2.04 | 0.78 | 0.39 | 1.06 |
| N2430-10-08 | 1/2 | 5/8 | 2.09 | 0.78 | 0.50 | 1.06 |
| N2430-12-08 | 1/2 | 3/4 | 2.08 | 0.78 | 0.59 | 1.06 |
| N2430-12-12 | 3/4 | 3/4 | 2.08 | 0.81 | 0.59 | 1.42 |
| N2430-12-16 | 1 1 | 3/4 | 2.30 | 1.00 | 0.59 | 1.61 |
| N2430-16-12 | 3/4 | l i l | 2.39 | 0.81 | 0.80 | 1.42 |
| N2430-16-16 | 1 1 | l i l | 2.53 | 1.00 | 0.80 | 1.61 |
| N2430-20-20 | 1-1/4 | 1-1/4 | 3.06 | 1.00 | 1.09 | 2.17 |
| N2430-24-24 | 1-1/2 | 1-1/2 | 3.50 | 1.09 | 1.31 | 2.36 |



Female Gage Adapter N2431

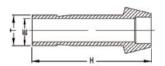
Machined Tube Stub x Female ISO Parallel Threads (gage)



| Part | T Tube | P ISO | | | E | F | | | | |
|-------------|--------|--------|------|------|------|------|------|------|------|------|
| No. | OD | Female | Α | В | min. | A/F | a2 | d4 | b | 12 |
| N2431-04-04 | 1/4 | 1/4 | 1.39 | 0.51 | 0.19 | 0.75 | 0.06 | 0.22 | 0.37 | 0.67 |
| N2431-06-06 | 3/8 | 3/8 | 1.55 | 0.56 | 0.26 | 0.94 | 0.06 | - | 0.39 | - |
| N2431-08-08 | 1/2 | 1/2 | 1.80 | 0.74 | 0.28 | 1.06 | 0.06 | - | 0.57 | - |

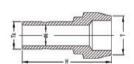
No seal is made around the male thread. Instead, a gasket is dropped into the flat bottom in the female thread, and the end of the male threaded end exerts a load on the gasket to seal.

Port Connector N2440



| Part No. | T Tube OD | E min. | н |
|-------------|--------------|-----------|------|
| N2440-01-01 | 1/16 | 0.03 | 0.54 |
| N2440-02-02 | 1/8 | 0.09 | 0.88 |
| N2440-04-04 | 1/4 | 0.19 | 0.97 |
| N2440-05-05 | 5/16 | 0.25 | 1.02 |
| N2440-06-06 | 3/8 | 0.30 | 1.03 |
| N2440-08-08 | 1/2 | 0.39 | 1.41 |
| N2440-12-12 | 3/4 | 0.59 | 1.47 |
| N2440-16-16 | 1 | 0.80 | 1.89 |

Reducing Port Connector N2440

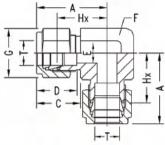


| Part No. | T Tube OD | Tx Tube OD | E | Н |
|-------------|--------------|---------------|------|------|
| N2440-02-01 | 1/16 | 1/16 | 0.03 | 0.68 |
| N2440-04-01 | 1/8 | 1/16 | 0.03 | 0.71 |
| N2440-04-02 | 1/4 | 1/8 | 0.09 | 0.89 |
| N2440-06-02 | 3/8 | 1/8 | 0.09 | 0.91 |
| N2440-06-04 | 3/8 | 1/4 | 0.19 | 0.98 |
| N2440-08-04 | 1/2 | 1/4 | 0.19 | 1.15 |
| N2440-08-06 | 1/2 | 3/8 | 0.28 | 1.20 |
| N2440-12-08 | 3/4 | 1/2 | 0.39 | 1.49 |
| N2440-16-08 | 1 | 1/2 | 0.39 | 1.68 |
| N2440-16-12 | 1 | 3/4 | 0.59 | 1.71 |



Union Elbow N2500

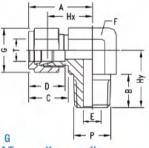
Tube X Tube



| Part | T Tube | | | | E | F | | T |
|-------------|--------|------|------|------|------|------|------|------|
| No. | OD | Α | C | D | min. | A/F | G | Hx |
| N2500-01-01 | 1/16 | 0.70 | 0.43 | 0.34 | 0.05 | 0.43 | 0.31 | 0.55 |
| N2500-02-02 | 1/8 | 0.88 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.62 |
| N2500-04-04 | 1/4 | 1.06 | 0.70 | 0.60 | 0.19 | 0.55 | 0.56 | 0.77 |
| N2500-05-05 | 5/16 | 1.13 | 0.73 | 0.64 | 0.25 | 0.63 | 0.63 | 0.84 |
| N2500-06-06 | 3/8 | 1.20 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 0.91 |
| N2500-08-08 | 1/2 | 1.42 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 1.02 |
| N2500-10-10 | 5/8 | 1.50 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 1.10 |
| N2500-12-12 | 3/4 | 1.57 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.17 |
| N2500-14-14 | 7/8 | 1.76 | 0.86 | 1.02 | 0.72 | 1.42 | 1.26 | 1.36 |
| N2500-16-16 | 1 1 | 1.93 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.45 |
| N2500-20-20 | 1-1/4 | 2.62 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 1.75 |
| N2500-24-24 | 1-1/2 | 3.07 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 2.00 |
| N2500-32-32 | 2 | 4.22 | 2.47 | 2.66 | 1.81 | 2.76 | 3.00 | 2.75 |

Male Elbow N2501

Tube X Male NPT Thread

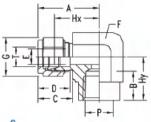


| Part | T Tube | P NPT | | | | | E | F | G | | - P - |
|-------------|--------|-------|------|------|------|------|------|------|------|------|-------|
| No. | OD | Male | Α | В | C | D | min. | A/F | A/F | Hx | Ну |
| N2501-01-01 | 1/16 | 1/16 | 0.75 | 0.38 | 0.43 | 0.34 | 0.05 | 0.43 | 0.43 | 0.60 | 0.70 |
| N2501-01-02 | 1/16 | 1/8 | 0.75 | 0.38 | 0.43 | 0.34 | 0.05 | 0.43 | 0.43 | 0.60 | 0.70 |
| N2501-02-02 | 1/8 | 1/8 | 0.93 | 0.38 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.67 | 0.70 |
| N2501-02-04 | 1/8 | 1/4 | 0.97 | 0.56 | 0.60 | 0.50 | 0.09 | 0.55 | 0.43 | 0.71 | 0.92 |
| N2501-04-02 | 1/4 | 1/8 | 1.06 | 0.38 | 0.70 | 0.60 | 0.19 | 0.55 | 0.55 | 0.77 | 0.74 |
| N2501-04-04 | 1/4 | 1/4 | 1.06 | 0.56 | 0.70 | 0.60 | 0.19 | 0.55 | 0.55 | 0.77 | 0.92 |
| N2501-04-06 | 1/4 | 3/8 | 1.17 | 0.56 | 0.70 | 0.60 | 0.19 | 0.75 | 0.55 | 0.88 | 1.03 |
| N2501-04-08 | 1/4 | 1/2 | 1.25 | 0.75 | 0.70 | 0.60 | 0.19 | 0.87 | 0.55 | 0.96 | 1.30 |
| N2501-05-04 | 5/16 | 1/4 | 1.13 | 0.56 | 0.73 | 0.64 | 0.25 | 0.55 | 0.63 | 0.84 | 0.96 |
| N2501-06-02 | 3/8 | 1/8 | 1.20 | 0.38 | 0.76 | 0.66 | 0.19 | 0.55 | 0.67 | 0.91 | 0.82 |
| N2501-06-04 | 3/8 | 1/4 | 1.20 | 0.56 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 0.91 | 1.00 |
| N2501-06-06 | 3/8 | 3/8 | 1.23 | 0.56 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 0.94 | 1.03 |
| N2501-06-08 | 3/8 | 1/2 | 1.31 | 0.75 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.02 | 1.30 |
| N2501-08-04 | 1/2 | 1/4 | 1.42 | 0.56 | 0.86 | 0.90 | 0.28 | 0.81 | 0.87 | 1.02 | 1.11 |
| N2501-08-06 | 1/2 | 3/8 | 1.42 | 0.56 | 0.86 | 0.90 | 0.38 | 0.81 | 0.87 | 1.02 | 1.11 |
| N2501-08-08 | 1/2 | 1/2 | 1.42 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.02 | 1.30 |
| N2501-08-12 | 1/2 | 3/4 | 1.57 | 0.75 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 1.17 | 1.45 |
| N2501-10-08 | 5/8 | 1/2 | 1.50 | 0.75 | 0.86 | 0.96 | 0.47 | 0.94 | 0.98 | 1.10 | 1.38 |
| N2501-12-08 | 3/4 | 1/2 | 1.57 | 0.75 | 0.86 | 0.96 | 0.47 | 1.06 | 1.12 | 1.17 | 1.45 |
| N2501-12-12 | 3/4 | 3/4 | 1.57 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.17 | 1.45 |
| N2501-14-12 | 7/8 | 3/4 | 1.76 | 0.75 | 0.86 | 1.02 | 0.62 | 1.42 | 1.26 | 1.36 | 1.64 |
| N2501-16-12 | 1 1 | 3/4 | 1.93 | 0.75 | 1.04 | 1.23 | 0.62 | 1.42 | 1.50 | 1.45 | 1.64 |
| N2501-16-16 | 1 | 1 | 1.93 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.45 | 1.83 |
| N2501-20-20 | 1-1/4 | 1-1/4 | 2.62 | 0.94 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 1.75 | 1.88 |
| N2501-24-24 | 1-1/2 | 1-1/2 | 3.07 | 1.06 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 2.00 | 2.38 |
| N2501-32-32 | 2 | 2 | 4.22 | 1.06 | 2.47 | 2.66 | 1.81 | 2.76 | 2.99 | 2.75 | 2.78 |



Female Elbow N2502

Tube x Female NPT Threads

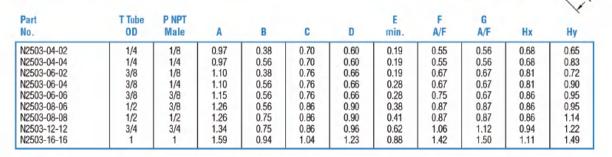


D-

| | | | | | | | | | | | 1-P- |
|-------------|--------|--------|------|------|------|------|------|------|------|------|------|
| Part | T Tube | P NPT | | | | | E | F | G | | |
| No. | OD | Female | A | В | C | D | min. | A/F | A/F | Hx | Hy |
| N2502-02-02 | 1/8 | 1/8 | 0.97 | 0.41 | 0.60 | 0.50 | 0.09 | 0.55 | 0.43 | 0.71 | 0.75 |
| N2502-02-04 | 1/8 | 1/4 | 1.08 | 0.59 | 0.60 | 0.50 | 0.09 | 0.75 | 0.43 | 0.82 | 0.88 |
| N2502-04-02 | 1/4 | 1/8 | 1.06 | 0.41 | 0.70 | 0.60 | 0.19 | 0.55 | 0.56 | 0.77 | 0.75 |
| N2502-04-04 | 1/4 | 1/4 | 1.17 | 0.59 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 0.88 | 0.88 |
| N2502-04-06 | 1/4 | 3/8 | 1.25 | 0.59 | 0.70 | 0.60 | 0.19 | 0.87 | 0.56 | 0.96 | 0.88 |
| N2502-04-08 | 1/4 | 1/2 | 1.36 | 0.78 | 0.70 | 0.60 | 0.19 | 1.06 | 0.56 | 1.07 | 1.12 |
| N2502-05-02 | 5/16 | 1/8 | 1.13 | 0.41 | 0.73 | 0.64 | 0.25 | 0.75 | 0.56 | 0.84 | 0.75 |
| N2502-05-04 | 5/16 | 1/4 | 1.20 | 0.59 | 0.73 | 0.64 | 0.25 | 0.87 | 0.63 | 0.91 | 0.88 |
| N2502-06-02 | 3/8 | 1/8 | 1.20 | 0.41 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 0.91 | 0.75 |
| N2502-06-04 | 3/8 | 1/4 | 1.23 | 0.59 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 0.94 | 0.88 |
| N2502-06-06 | 3/8 | 3/8 | 1.31 | 0.59 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.02 | 0.88 |
| N2502-06-08 | 3/8 | 1/2 | 1.42 | 0.78 | 0.76 | 0.66 | 0.28 | 1.06 | 0.67 | 1.13 | 1.12 |
| N2502-08-04 | 1/2 | 1/4 | 1.42 | 0.59 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.02 | 0.88 |
| N2502-08-06 | 1/2 | 3/8 | 1.42 | 0.59 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.02 | 0.88 |
| N2502-08-08 | 1/2 | 1/2 | 1.53 | 0.78 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 1.13 | 1.12 |
| N2502-10-06 | 5/8 | 3/8 | 1.50 | 0.59 | 0.86 | 0.90 | 0.50 | 0.94 | 0.87 | 1.10 | 0.88 |
| N2502-10-08 | 5/8 | 1/2 | 1.57 | 0.78 | 0.86 | 0.96 | 0.50 | 1.06 | 0.98 | 1.17 | 1.12 |
| N2502-12-08 | 3/4 | 1/2 | 1.57 | 0.78 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.17 | 1.12 |
| N2502-12-12 | 3/4 | 3/4 | 1.76 | 0.81 | 0.86 | 0.96 | 0.62 | 1.42 | 1.12 | 1.36 | 1.25 |
| N2502-14-12 | 7/8 | 3/4 | 1.76 | 0.81 | 0.86 | 1.02 | 0.72 | 1.42 | 1.26 | 1.36 | 1.25 |
| N2502-16-12 | 1 | 3/4 | 1.93 | 0.81 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.45 | 1.25 |
| N2502-16-16 | 1 | 1 | 2.11 | 1.00 | 1.04 | 1.23 | 0.88 | 1.61 | 1.50 | 1.63 | 1.50 |

45° Male Elbow N2503

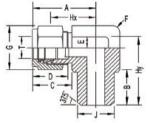
Tube x Male NPT Threads





Butt Weld Male Elbow N2525

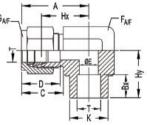
Tube X 90° Male Pipe Weld



| Part No. | T Tube OD | Pipe Weld Male | Α | В | C | D | E min. | F A/F | G A/F | Hx | Ну | J |
|-------------|--------------|-------------------|------|------|------|------|-----------|----------|----------|------|------|------|
| N2525-04-02 | 1/4 | 1/8 | 1.06 | 0.38 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 0.77 | 0.74 | 0.41 |
| N2525-04-04 | 1/4 | 1/4 | 1.06 | 0.56 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 0.77 | 0.92 | 0.54 |
| N2525-06-04 | 3/8 | 1/4 | 1.20 | 0.56 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 0.91 | 1.02 | 0.54 |
| N2525-08-08 | 1/2 | 1/2 | 1.42 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.02 | 1.30 | 0.84 |
| N2525-12-12 | 3/4 | 3/4 | 1.57 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.16 | 1.45 | 1.05 |
| N2525-16-16 | 1 | 1 1 | 1.93 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.45 | 1.83 | 1.31 |
| N2525-20-20 | 1-1/4 | 1-1/4 | 2.62 | 0.94 | 1.53 | 1.62 | 1.09 | 1.77 | 1.97 | 1.75 | 1.88 | 1.66 |
| N2525-24-24 | 1-1/2 | 1-1/2 | 3.07 | 1.03 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 2.00 | 2.38 | 1.90 |

Socket Weld Male Elbow N2526

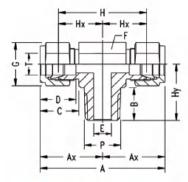
Tube X 90° Male Socket Weld



| Part | T Tube | | | | | E | F | G | | | |
|-------------|--------|------|------|------|------|------|------|------|------|------|------|
| No. | OD | A | Bx | C | D | min. | A/F | A/F | Hx | Ну | K |
| N2526-04-04 | 1/4 | 1.06 | 0.31 | 0.70 | 0.60 | 0.19 | 0.55 | 0.56 | 0.77 | 0.77 | 0.50 |
| N2526-06-06 | 3/8 | 1.20 | 0.38 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 0.91 | 0.91 | 0.62 |
| N2526-08-08 | 1/2 | 1.42 | 0.50 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.02 | 1.02 | 0.81 |
| N2526-12-12 | 3/4 | 1.57 | 0.56 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.17 | 1.17 | 1.06 |
| N2526-16-16 | 1 | 1.93 | 0.75 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.45 | 1.45 | 1.38 |
| N2526-20-20 | 1-1/4 | 2.62 | 0.75 | 1.53 | 1.62 | 1.09 | 1.77 | 1.97 | 1.75 | 1.88 | 1.69 |
| N2526-24-24 | 1-1/2 | 3.07 | 0.94 | 1.78 | 1.97 | 1.34 | 1.97 | 2.24 | 2.00 | 2.38 | 1.89 |

Male Branch Tee N2601

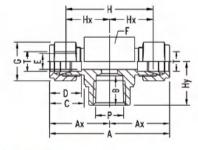
Tube x Tube x Male NPT Threads



| Part No. | T Tube OD | P NPT Male | Α | Ax | В | С | D | E min. | F | G A/F | H A/F | Нх | Ну |
|----------------|--------------|---------------|------|------|------|------|------|-----------|------|----------|----------|------|------|
| N2601-02-02-02 | 1/8 | 1/8 | 1.86 | 0.93 | 0.38 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.34 | 0.67 | 0.70 |
| N2601-02-02-04 | 1/8 | 1/4 | 1.94 | 0.97 | 0.56 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 1.42 | 0.71 | 0.92 |
| N2601-04-04-02 | 1/4 | 1/8 | 2.12 | 1.06 | 0.38 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.54 | 0.77 | 0.74 |
| N2601-04-04-04 | 1/4 | 1/4 | 2.12 | 1.06 | 0.56 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.54 | 0.77 | 0.92 |
| N2601-04-04-06 | 1/4 | 3/8 | 2.34 | 1.17 | 0.56 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.76 | 0.88 | 1.03 |
| N2601-04-04-08 | 1/4 | 1/2 | 2.50 | 1.25 | 0.75 | 0.70 | 0.60 | 0.19 | 0.87 | 0.56 | 1.76 | 0.96 | 1.30 |
| N2601-06-06-04 | 3/8 | 1/4 | 2.40 | 1.20 | 0.56 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 1.82 | 0.91 | 1.00 |
| N2601-06-06-06 | 3/8 | 3/8 | 2.45 | 1.23 | 0.56 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 1.88 | 0.99 | 1.03 |
| N2601-06-06-08 | 3/8 | 1/2 | 2.60 | 1.30 | 0.75 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 2.04 | 1.02 | 1.30 |
| N2601-08-08-04 | 1/2 | 1/4 | 2.83 | 1.42 | 0.56 | 0.86 | 0.90 | 0.19 | 0.81 | 0.87 | 2.04 | 1.02 | 1.11 |
| N2601-08-08-06 | 1/2 | 3/8 | 2.84 | 1.42 | 0.56 | 0.86 | 0.90 | 0.38 | 0.81 | 0.87 | 2.04 | 1.02 | 1.11 |
| N2601-08-08-08 | 1/2 | 1/2 | 2.84 | 1.42 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 2.04 | 1.02 | 1.30 |
| N2601-10-10-08 | 5/8 | 1/2 | 3.06 | 1.53 | 0.75 | 0.86 | 0.96 | 0.47 | 0.87 | 0.98 | 2.26 | 1.13 | 1.41 |
| N2601-12-12-08 | 3/4 | 1/2 | 3.14 | 1.57 | 0.75 | 0.86 | 0.96 | 0.47 | 1.06 | 1.12 | 2.34 | 1.17 | 1.45 |
| N2601-12-12-12 | 3/4 | 3/4 | 3.14 | 1.57 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 2.34 | 1.17 | 1.45 |
| N2601-16-16-12 | 1 1 | 3/4 | 3.86 | 1.93 | 0.75 | 1.04 | 1.23 | 0.62 | 1.42 | 1.50 | 2.90 | 1.45 | 1.64 |
| N2601-16-16-16 | 1 | 1 | 3.86 | 1.93 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 2.90 | 1.45 | 1.83 |
| N2601-20-20-20 | 1-1/4 | 1-1/4 | 5.24 | 2.62 | 0.94 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 3.50 | 1.75 | 1.87 |
| N2601-24-24-24 | 1-1/2 | 1-1/2 | 6.14 | 3.07 | 1.03 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 4.00 | 2.00 | 2.38 |

Female Branch Tee N2602

Tube x Tube x Female NPT Threads

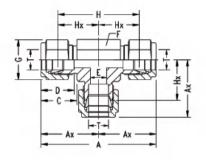


| Part | T Tube | P NPT | | | | | | E | F | G | | | |
|----------------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|
| No. | OD | Female | A | Ax | В | C | D | min. | A/F | A/F | Н | Hx | Ну |
| N2602-02-02-02 | 1/8 | 1/8 | 1.94 | 0.97 | 0.41 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 1.42 | 0.71 | 0.75 |
| N2602-04-04-02 | 1/4 | 1/8 | 2.12 | 1.06 | 0.41 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.54 | 0.77 | 0.75 |
| N2602-04-04-04 | 1/4 | 1/4 | 2.34 | 1.17 | 0.59 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.76 | 0.88 | 0.88 |
| N2602-06-06-04 | 3/8 | 1/4 | 2.46 | 1.23 | 0.59 | 0.76 | 0.66 | 0.28 | 0.63 | 0.63 | 1.88 | 0.94 | 0.88 |
| N2602-06-06-06 | 3/8 | 3/8 | 2.62 | 1.31 | 0.59 | 0.76 | 0.66 | 0.28 | 0.87 | 0.63 | 2.04 | 1.02 | 0.88 |
| N2602-08-08-06 | 1/2 | 3/8 | 2.83 | 1.42 | 0.59 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 2.04 | 1.02 | 0.88 |
| N2602-08-08-08 | 1/2 | 1/2 | 3.06 | 1.53 | 0.78 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 2.26 | 1.13 | 1.12 |
| N2602-12-12-12 | 3/4 | 3/4 | 3.52 | 1.76 | 0.81 | 0.86 | 0.96 | 0.62 | 1.42 | 0.87 | 2.72 | 1.36 | 1.25 |
| N2602-16-16-12 | 1 | 3/4 | 3.86 | 1.93 | 0.81 | 1.04 | 1.23 | 0.88 | 1.42 | 0.98 | 2.90 | 1.45 | 1.25 |
| N2602-16-16-16 | | 1 | 4.22 | 2.11 | 1.00 | 1.04 | 1.23 | 0.88 | 1.61 | 1.50 | 3.26 | 1.63 | 1.50 |



Union Tee N2603

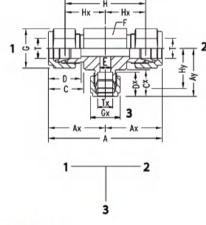
Tube x Tube x Tube



| Part | T Tube | | | | | E | F | G | | |
|----------------|--------|------|------|------|------|------|------|------|------|------|
| No. | OD | Α | Ax | C | D | min. | A/F | A/F | Н | Hx |
| N2603-01-01-01 | 1/16 | 1.40 | 0.70 | 0.43 | 0.34 | 0.05 | 0.43 | 0.31 | 1.10 | 0.55 |
| N2603-02-02-02 | 1/8 | 1.76 | 0.88 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.24 | 0.62 |
| N2603-04-04-04 | 1/4 | 2.12 | 1.06 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.54 | 0.77 |
| N2603-05-05-05 | 5/16 | 2.34 | 1.17 | 0.73 | 0.64 | 0.25 | 0.63 | 0.63 | 1.68 | 0.84 |
| N2603-06-06-06 | 3/8 | 2.40 | 1.20 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.83 | 0.91 |
| N2603-08-08-08 | 1/2 | 2.84 | 1.42 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 2.04 | 1.02 |
| N2603-10-10-10 | 5/8 | 3.06 | 1.53 | 0.86 | 0.96 | 0.50 | 0.94 | 0.98 | 2.20 | 1.10 |
| N2603-12-12-12 | 3/4 | 3.14 | 1.57 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 2.34 | 1.17 |
| N2603-14-14-14 | 7/8 | 3.52 | 1.76 | 0.86 | 1.02 | 0.72 | 1.42 | 1.26 | 2.72 | 1.36 |
| N2603-16-16-16 | 1 | 3.86 | 1.93 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 2.90 | 1.45 |
| N2603-20-20-20 | 1-1/4 | 5.24 | 2.62 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 3.50 | 1.75 |
| N2603-24-24-24 | 1-1/2 | 6.14 | 3.07 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 4.00 | 2.00 |
| N2603-32-32-32 | 2 | 8.44 | 4.22 | 2.47 | 2.67 | 1.81 | 2.76 | 3.00 | 5.50 | 2.75 |

Reducing Union Tee N2603

Tube x Tube x Tube



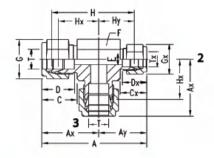
| Part No. | T Tube OD | Tx Tube OD | A | Ax | Ау | C | Сх | D | Dx | E min. | F A/F | G A/F | Gx A/F | Н | Нх | Ну |
|----------------|--------------|---------------|------|------|------|------|------|------|------|-----------|----------|----------|-----------|------|------|------|
| N2603-06-06-04 | 3/8 | 1/4 | 2.40 | 1.20 | 1.14 | 0.76 | 0.70 | 0.66 | 0.60 | 0.19 | 0.63 | 0.67 | 0.56 | 1.82 | 0.91 | 0.85 |
| N2603-08-08-04 | 1/2 | 1/4 | 2.84 | 1.42 | 1.25 | 0.86 | 0.70 | 0.90 | 0.60 | 0.19 | 0.81 | 0.87 | 0.56 | 2.04 | 1.02 | 0.96 |
| N2603-08-08-06 | 1/2 | 3/8 | 2.84 | 1.42 | 1.31 | 0.86 | 0.76 | 0.90 | 0.66 | 0.28 | 0.81 | 0.87 | 0.67 | 2.04 | 1.02 | 1.02 |
| N2603-12-12-06 | 3/4 | 3/8 | 3.14 | 1.57 | 1.46 | 0.86 | 0.76 | 0.96 | 0.66 | 0.28 | 1.06 | 1.12 | 0.67 | 2.34 | 1.17 | 1.17 |
| N2603-12-12-08 | 3/4 | 1/2 | 3.14 | 1.57 | 1.57 | 0.86 | 0.86 | 0.96 | 0.90 | 0.41 | 1.06 | 1.12 | 0.87 | 2.34 | 1.17 | 1.17 |
| N2603-16-16-06 | 1 | 3/8 | 3.86 | 1.93 | 1.65 | 1.04 | 0.76 | 1.23 | 0.66 | 0.28 | 1.42 | 1.50 | 0.67 | 2.90 | 1.45 | 1.36 |
| N2603-16-16-08 | 1 | 1/2 | 3.86 | 1.93 | 1.76 | 1.04 | 0.90 | 1.23 | 0.86 | 0.41 | 1.42 | 1.50 | 0.87 | 2.90 | 1.45 | 1.36 |
| N2603-16-16-12 | 1 | 3/4 | 3.86 | 1.93 | 1.76 | 1.04 | 0.86 | 1.23 | 0.96 | 0.62 | 1.42 | 1.50 | 1.12 | 2.90 | 1.45 | 1.36 |
| N2603-20-20-16 | 1-1/4 | 1 | 5.34 | 2.67 | 2.17 | 1.53 | 1.04 | 1.62 | 1.23 | 0.88 | 1.81 | 1.97 | 1.50 | 3.60 | 1.80 | 1.69 |
| N2603-24-24-16 | 1-1/2 | 1 | 6.20 | 3.10 | 2.36 | 1.78 | 1.04 | 1.97 | 1.23 | 0.88 | 2.17 | 2.24 | 1.50 | 4.06 | 2.03 | 1.88 |

continued on next page



Reducing Union Tee N2603 Continued

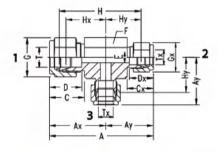
Tube x Tube x Tube



| Part No. | TTube OD | Tx Tube OD | A | Ax | Ау | С | Сх | D | Dx | E min. | F A/F | G A/F | Gx A/F | Н | Нх | Ну |
|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| N2603-06-04-06 N2603-08-04-08 N2603-08-06-08 N2603-12-06-12 N2603-12-08-12 N2603-16-06-16 N2603-16-08-16 N2603-16-12-16 N2603-20-16-20 N2603-24-20-24 | 3/8 1/2 1/2 3/4 3/4 1 1 1 1-1/4 1-1/2 | 1/4 1/4 3/8 3/8 1/2 3/8 1/2 3/4 1 | 2.34 2.67 2.73 3.03 3.14 3.89 3.69 3.69 4.71 5.94 | 1.20 1.42 1.42 1.57 1.57 1.93 1.93 1.93 2.67 3.10 | 1.14 1.25 1.31 1.46 1.57 1.65 1.76 1.76 2.09 2.87 | 0.76 0.86 0.86 0.86 0.86 1.04 1.04 1.04 1.53 1.78 | 0.70 0.70 0.76 0.76 0.86 0.76 0.86 0.86 1.04 1.53 | 0.66 0.90 0.90 0.96 0.96 1.23 1.23 1.23 1.62 1.97 | 0.60 0.60 0.66 0.66 0.90 0.66 0.86 0.96 1.23 1.63 | 0.19 0.19 0.28 0.28 0.41 0.28 0.41 0.62 0.72 1.09 | 0.63 0.87 0.87 1.06 1.06 1.42 1.42 1.42 1.42 | 0.67 0.87 0.87 1.12 1.12 1.50 1.50 1.50 1.97 2.24 | 0.56 0.56 0.67 0.67 0.87 0.67 0.87 1.12 1.50 1.50 | 1.76 1.98 2.04 2.34 2.34 2.81 2.81 2.81 3.36 4.00 | 0.91 1.02 1.02 1.17 1.17 1.45 1.45 1.45 1.80 2.00 | 0.85 0.96 1.02 1.17 1.17 1.36 1.36 1.36 1.61 2.00 |

Reducing Union Tee N2603 Continued

Tube x Tube x Tube



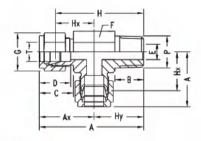
| Part No. | T Tube OD | Tx Tube OD | A | Ax | Ау | С | Сх | D | Dx | E min. | F A/F | G A/F | Gx A/F | н | Нх | Ну |
|----------------|--------------|---------------|------|------|------|------|------|------|------|-----------|----------|----------|-----------|------|------|------|
| N2603-06-04-04 | 3/8 | 1/4 | 2.34 | 1.20 | 1.14 | 0.76 | 0.70 | 0.66 | 0.60 | 0.19 | 0.63 | 0.67 | 0.56 | 1.76 | 0.91 | 0.85 |
| N2603-08-04-04 | 1/2 | 1/4 | 2.67 | 1.42 | 1.25 | 0.86 | 0.70 | 0.90 | 0.60 | 0.19 | 0.81 | 0.87 | 0.56 | 1.98 | 1.02 | 0.96 |
| N2603-08-06-06 | 1/2 | 3/8 | 2.73 | 1.42 | 1.31 | 0.86 | 0.76 | 0.90 | 0.66 | 0.28 | 0.81 | 0.87 | 0.67 | 2.04 | 1.02 | 1.02 |
| N2603-12-06-06 | 3/4 | 3/8 | 3.03 | 1.57 | 1.46 | 0.86 | 0.76 | 0.96 | 0.66 | 0.28 | 1.06 | 1.12 | 0.67 | 2.34 | 1.17 | 1.17 |
| N2603-12-08-08 | 3/4 | 1/2 | 3.14 | 1.57 | 1.57 | 0.86 | 0.86 | 0.96 | 0.90 | 0.41 | 1.06 | 1.12 | 0.87 | 2.34 | 1.17 | 1.17 |
| N2603-16-06-06 | 1 | 3/8 | 3.93 | 1.57 | 1.65 | 1.04 | 0.76 | 1.23 | 0.66 | 0.28 | 1.42 | 1.50 | 0.67 | 2.81 | 1.45 | 1.36 |
| N2603-16-08-08 | 1 | 1/2 | 3.69 | 1.93 | 1.76 | 1.04 | 0.90 | 1.23 | 0.86 | 0.41 | 1.42 | 1.50 | 0.87 | 2.81 | 1.45 | 1.36 |
| N2603-16-12-12 | 1 | 3/4 | 3.69 | 1.93 | 1.76 | 1.04 | 0.96 | 1.23 | 0.96 | 0.62 | 1.42 | 1.50 | 1.12 | 2.81 | 1.45 | 1.36 |
| N2603-20-16-16 | 1-1/4 | 1 | 4.84 | 2.67 | 2.17 | 1.53 | 1.04 | 1.62 | 1.23 | 0.88 | 1.81 | 1.97 | 1.50 | 3.49 | 1.80 | 1.69 |
| N2603-24-16-16 | 1-1/2 | 1 | 5.46 | 3.10 | 2.36 | 1.76 | 1.04 | 1.97 | 1.23 | 0.88 | 2.17 | 2.24 | 1.50 | 3.91 | 2.03 | 1.88 |

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



Male Run Tee N2605

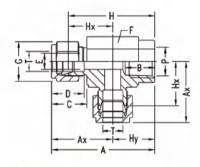
Tube x Male NPT Threads x Tube



| Part | T Tube | P NPT | | | | | | E | | G | Н | | |
|----------------|--------|-------|------|------|------|------|------|------|------|------|------|------|------|
| No. | OD | Male | Α | Ax | В | C | D | min. | F | A/F | A/F | Нх | Ну |
| N2605-02-02-02 | 1/8 | 1/8 | 1.63 | 0.93 | 0.38 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.37 | 0.67 | 0.70 |
| N2605-02-04-02 | 1/8 | 1/4 | 1.89 | 0.97 | 0.56 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 1.63 | 0.71 | 0.92 |
| N2605-04-02-04 | 1/4 | 1/8 | 1.80 | 1.06 | 0.38 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.51 | 0.77 | 0.74 |
| N2605-04-04-04 | 1/4 | 1/4 | 1.98 | 1.06 | 0.56 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.69 | 0.77 | 0.92 |
| N2605-04-06-04 | 1/4 | 3/8 | 2.20 | 1.17 | 0.56 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.92 | 0.88 | 1.03 |
| N2605-04-08-04 | 1/4 | 1/2 | 2.55 | 1.25 | 0.75 | 0.70 | 0.60 | 0.19 | 0.87 | 0.56 | 2.26 | 0.96 | 1.30 |
| N2605-06-04-06 | 3/8 | 1/4 | 2.20 | 1.20 | 0.56 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 1.91 | 0.91 | 1.00 |
| N2605-06-06-06 | 3/8 | 3/8 | 2.42 | 1.31 | 0.56 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 2.13 | 1.02 | 1.11 |
| N2605-06-08-06 | 3/8 | 1/2 | 2.60 | 1.30 | 0.75 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 2.32 | 1.02 | 1.30 |
| N2605-08-04-08 | 1/2 | 1/4 | 2.53 | 1.42 | 0.56 | 0.86 | 0.90 | 0.19 | 0.87 | 0.87 | 2.13 | 1.02 | 1.11 |
| N2605-08-06-08 | 1/2 | 3/8 | 2.53 | 1.42 | 0.56 | 0.86 | 0.90 | 0.38 | 0.81 | 0.87 | 2.13 | 1.02 | 1.11 |
| N2605-08-08-08 | 1/2 | 1/2 | 2.72 | 1.42 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 2.32 | 1.02 | 1.30 |
| N2605-10-08-10 | 5/8 | 1/2 | 2.88 | 1.50 | 0.75 | 0.86 | 0.96 | 0.47 | 0.87 | 0.98 | 2.48 | 1.10 | 1.38 |
| N2605-12-08-12 | 3/4 | 1/2 | 3.02 | 1.57 | 0.75 | 0.86 | 0.96 | 0.47 | 1.06 | 1.12 | 2.62 | 1.17 | 1.45 |
| N2605-12-12-12 | 3/4 | 3/4 | 3.02 | 1.57 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 2.62 | 1.17 | 1.45 |
| N2605-16-12-16 | 1 | 3/4 | 3.57 | 1.93 | 0.75 | 1.04 | 1.23 | 0.62 | 1.42 | 1.50 | 3.09 | 1.45 | 1.64 |
| N2605-16-16-16 | 1 | 1 | 3.76 | 1.93 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 3.28 | 1.45 | 1.83 |
| N2605-20-20-20 | 1-1/4 | 1-1/4 | 4.49 | 2.62 | 0.94 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 3.63 | 1.75 | 1.87 |
| N2605-24-24-24 | 1-1/2 | 1-1/2 | 5.45 | 3.07 | 1.03 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 4.38 | 2.00 | 2.38 |

Female Run Tee N2606

Tube x Female NPT Threads x Tube

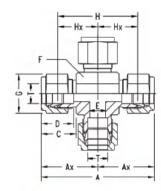


| Part No. | T Tube OD | P NPT Female | Α | Ax | В | C | D | E min. | F A/F | G A/F | Н | Нх | Ну |
|----------------|--------------|-----------------|------|------|------|------|------|-----------|----------|----------|------|------|------|
| N2606-02-02-02 | 1/8 | 1/8 | 1.72 | 0.97 | 0.41 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 1.46 | 0.71 | 0.75 |
| N2606-04-02-04 | 1/4 | 1/8 | 1.81 | 1.06 | 0.41 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.52 | 0.77 | 0.75 |
| N2606-04-04-04 | 1/4 | 1/4 | 2.05 | 1.17 | 0.59 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.76 | 0.88 | 0.88 |
| N2606-06-04-06 | 3/8 | 1/4 | 2.11 | 1.23 | 0.59 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 1.82 | 0.94 | 0.88 |
| N2606-06-06-06 | 3/8 | 3/8 | 2.19 | 1.31 | 0.59 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.90 | 1.02 | 0.88 |
| N2606-08-06-08 | 1/2 | 3/8 | 2.30 | 1.42 | 0.59 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.90 | 1.02 | 0.88 |
| N2606-08-08-08 | 1/2 | 1/2 | 2.65 | 1.57 | 0.78 | 0.86 | 0.90 | 0.41 | 1.06 | 0.87 | 2.29 | 1.17 | 1.12 |
| N2606-12-12-12 | 3/4 | 3/4 | 3.01 | 1.76 | 0.81 | 0.86 | 0.96 | 0.62 | 1.42 | 1.12 | 2.61 | 1.36 | 1.25 |
| N2606-16-12-16 | 1 | 3/4 | 3.18 | 1.93 | 0.81 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 2.70 | 1.45 | 1.25 |
| N2606-16-16-16 | 1 | 1 | 3.61 | 2.11 | 1.00 | 1.04 | 1.23 | 0.88 | 1.61 | 1.50 | 3.13 | 1.63 | 1.50 |



Cross N2650

Tube x Tube x Tube x Tube



| Part No. | T Tube OD | A | Ax | С | D | E min. | F A/F | G A/F | н | Нх |
|-------------------|--------------|------|------|------|------|-----------|----------|----------|------|------|
| N2650-02-02-02-02 | 1/8 | 1.76 | 0.88 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.24 | 0.62 |
| N2650-04-04-04-04 | 1/4 | 2.12 | 1.06 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.54 | 0.77 |
| N2650-06-06-06-06 | 3/8 | 2.40 | 1.20 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 1.82 | 0.91 |
| N2650-08-08-08-08 | 1/2 | 2.84 | 1.42 | 0.86 | 0.90 | 0.41 | 0.81 | 0.87 | 2.04 | 1.02 |
| N2650-12-12-12-12 | 3/4 | 3.14 | 1.57 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 2.34 | 1.17 |
| N2650-16-16-16-16 | 1 | 3.86 | 1.93 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 2.90 | 1.45 |

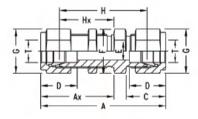
NOTE: Reducing Cross with variation in the tube sizes are available. The tube sizes are designated in the order given below.



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

Bulkhead Union N2700-LN

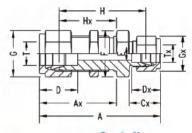
Tube x Tube



| Part No. | T Tube OD | Α | Ax | С | D | E min. | F A/F | G A/F | н | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------------------------|--------------|------|------|--------------|--------------|-----------|----------|--------------|--------------|--------------|-----------------------------|----------------------------|
| N2700-LN-01-01 | 1/16 | 1.24 | 0.68 | 0.43 | 0.34 | 0.05 | 0.31 | 0.31 | 0.94 | 0.53 | 0.20 | 0.12 |
| N2700-LN-02-02 N2700-LN-04-04 | 1/8 1/4 | 2.02 | 1.23 | 0.60 0.70 | 0.50 0.60 | 0.09 | 0.43 | 0.43 0.56 | 1.50 1.69 | 0.97 1.03 | 0.33 0.45 | 0.50 0.40 |
| N2700-LN-05-05 | 5/16 | 2.39 | 1.41 | 0.73 | 0.64 | 0.15 | 0.67 | 0.63 | 1.81 | 1.12 | 0.43 | 0.44 |
| N2700-LN-06-06 | 3/8 | 2.45 | 1.45 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 1.87 | 1.16 | 0.57 | 0.44 |
| N2700-LN-08-08 | 1/2 | 2.80 | 1.65 | 0.86 | 0.90 | 0.41 | 0.94 | 0.87 | 2.00 | 1.25 | 0.77 | 0.50 |
| N2700-LN-10-10 | 5/8 | 2.86 | 1.68 | 0.86 | 0.96 | 0.50 | 1.06 | 0.98 | 2.06 | 1.28 | 0.89 | 0.50 |
| N2700-LN-12-12 | 3/4 | 3.11 | 1.87 | 0.86 | 0.96 | 0.63 | 1.18 | 1.12 | 2.31 | 1.47 | 1.02 | 0.66 |
| N2700-LN-16-16 | 1 | 3.77 | 2.26 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 2.81 | 1.78 | 1.33 | 0.75 |
| N2700-LN-20-20 | 1-1/4 | 4.85 | 2.75 | 1.53 | 1.62 | 1.09 | 1.97 | 1.97 | 3.11 | 1.88 | 1.64 | 0.75 |
| N2700-LN-24-24 | 1-1/2 | 5.48 | 3.01 | 1.78 | 1.97 | 1.34 | 2.36 | 2.24 | 3.34 | 1.94 | 1.95 | 0.75 |
| N2700-LN-32-32 | 2 | 7.10 | 3.69 | 2.47 | 2.66 | 1.81 | 2.76 | 3.00 | 4.16 | 2.22 | 2.64 | 0.75 |

Bulkhead Reducing Union N2700-LN

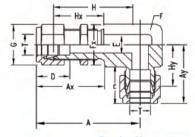
Tube X Tube



| Part No. | T Tube OD | Tx Tube OD | Α | Ax | Сх | D | Dx | E min. | F A/F | G A/F | Gx A/F | Н | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------|--------------|---------------|------|------|------|------|------|-----------|----------|----------|-----------|------|------|-----------------------------|----------------------------|
| N2700-LN-04-02 | 1/4 | 1/8 | 2.17 | 1.32 | 0.60 | 0.60 | 0.50 | 0.09 | 0.63 | 0.63 | 0.43 | 1.62 | 1.03 | 0.45 | 0.40 |
| N2700-LN-06-04 | 3/8 | 1/4 | 2.39 | 1.44 | 0.70 | 0.66 | 0.60 | 0.19 | 0.75 | 0.67 | 0.56 | 1.81 | 1.16 | 0.57 | 0.44 |
| N2700-LN-08-04 | 1/2 | 1/4 | 2.63 | 1.65 | 0.70 | 0.90 | 0.60 | 0.19 | 0.94 | 0.87 | 0.56 | 1.94 | 1.25 | 0.77 | 0.50 |
| N2700-LN-08-06 | 1/2 | 3/8 | 2.63 | 1.65 | 0.70 | 0.88 | 0.66 | 0.28 | 0.94 | 0.87 | 0.67 | 2.00 | 1.25 | 0.77 | 0.50 |

Bulkhead Union Elbow N2701-LN

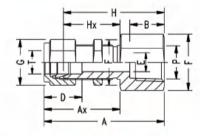
Tube X 90° Tube



| Part No. | T Tube OD | A | Ax | Ay | C | D | E min. | F A/F | G A/F | Н | Нх | Ну | Panel Hole Drill Size | Max. Panel Thickness |
|----------------|--------------|------|------|------|------|------|-----------|----------|----------|------|------|------|-----------------------------|----------------------------|
| N2701-LN-02-02 | 1/8 | 1.70 | 1.23 | 0.88 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 1.44 | 0.97 | 0.62 | 0.33 | 0.50 |
| N2701-LN-04-04 | 1/4 | 1.93 | 1.32 | 1.06 | 0.70 | 0.60 | 0.19 | 0.63 | 0.56 | 1.63 | 1.03 | 0.77 | 0.45 | 0.40 |
| N2701-LN-06-06 | 3/8 | 2.13 | 1.45 | 1.20 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.84 | 1.16 | 0.91 | 0.57 | 0.44 |
| N2701-LN-08-08 | 1/2 | 2.50 | 1.65 | 1.42 | 0.86 | 0.90 | 0.41 | 0.94 | 0.87 | 2.10 | 1.25 | 1.02 | 0.77 | 0.50 |
| N2701-LN-12-12 | 3/4 | 2.96 | 1.87 | 1.57 | 0.86 | 0.96 | 0.63 | 1.18 | 1.12 | 2.57 | 1.47 | 1.17 | 1.02 | 0.66 |
| N2701-LN-16-16 | 1 | 3.61 | 2.26 | 1.93 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 3.13 | 1.78 | 1.45 | 1.33 | 0.75 |

Bulkhead Female Connector N2705-LN

Tube x Female NPT Threads

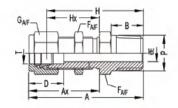


| Part No. | T Tube OD | P NPT Female | A | Ax | В | D | E min. | F A/F | G A/F | Н | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------|--------------|-----------------|------|------|------|------|-----------|----------|----------|------|------|-----------------------------|----------------------------|
| N2705-LN-02-02 | 1/8 | 1/8 | 1.76 | 1.23 | 0.41 | 0.50 | 0.09 | 0.55 | 0.43 | 1.50 | 0.97 | 0.33 | 0.50 |
| N2705-LN-04-02 | 1/4 | 1/8 | 1.85 | 1.32 | 0.41 | 0.60 | 0.19 | 0.63 | 0.56 | 1.56 | 1.03 | 0.45 | 0.40 |
| N2705-LN-04-04 | 1/4 | 1/4 | 2.04 | 1.32 | 0.59 | 0.60 | 0.19 | 0.75 | 0.56 | 1.75 | 1.03 | 0.45 | 0.40 |
| N2705-LN-06-04 | 3/8 | 1/4 | 2.17 | 1.45 | 0.59 | 0.66 | 0.28 | 0.75 | 0.67 | 1.88 | 1.16 | 0.58 | 0.44 |
| N2705-LN-08-06 | 1/2 | 3/8 | 2.43 | 1.65 | 0.59 | 0.90 | 0.41 | 0.87 | 0.87 | 2.03 | 1.25 | 0.77 | 0.50 |
| N2705-LN-08-08 | 1/2 | 1/2 | 2.62 | 1.65 | 0.78 | 0.90 | 0.41 | 1.06 | 0.87 | 2.22 | 1.25 | 0.77 | 0.50 |
| N2705-LN-10-08 | 5/8 | 1/2 | 2.66 | 1.68 | 0.78 | 0.90 | 0.50 | 1.06 | 0.98 | 2.26 | 1.28 | 0.89 | 0.50 |
| N2705-LN-12-08 | 3/4 | 1/2 | 2.85 | 1.87 | 0.78 | 0.96 | 0.63 | 1.42 | 1.12 | 2.45 | 1.47 | 1.02 | 0.66 |
| N2705-LN-12-12 | 3/4 | 3/4 | 2.94 | 1.87 | 0.81 | 0.96 | 0.63 | 1.42 | 1.12 | 2.53 | 1.47 | 1.02 | 0.66 |
| N2705-LN-16-12 | 1 | 3/4 | 3.32 | 2.26 | 0.81 | 1.23 | 0.63 | 1.42 | 1.50 | 2.84 | 1.78 | 1.33 | 0.75 |
| N2705-LN-16-16 | 1 | 1 | 3.67 | 2.26 | 1.00 | 1.23 | 0.88 | 1.61 | 1.50 | 3.19 | 1.78 | 1.33 | 0.75 |
| N2705-LN-20-20 | 1-1/4 | 1-1/4 | 4.16 | 2.75 | 1.00 | 1.62 | 1.09 | 1.97 | 1.97 | 3.29 | 1.88 | 1.64 | 0.75 |
| N2705-LN-24-24 | 1-1/2 | 1-1/2 | 4.51 | 3.01 | 1.09 | 1.97 | 1.34 | 2.36 | 2.24 | 3.44 | 1.94 | 1.95 | 0.75 |



Bulkhead Male Connector N2706-LN

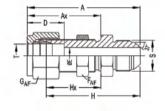
Tube x Male NPT Threads



| Part No. | T Tube OD | P NPT Male | Α | Ax | В | D | E min. | F A/F | G A/F | н | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------|--------------|---------------|------|------|------|------|-----------|----------|----------|------|------|-----------------------------|----------------------------|
| N2706-LN-02-02 | 1/8 | 1/8 | 1.83 | 1.23 | 0.38 | 0.50 | 0.09 | 0.56 | 0.43 | 1.57 | 0.97 | 0.33 | 0.50 |
| N2706-LN-04-02 | 1/4 | 1/8 | 1.95 | 1.32 | 0.38 | 0.60 | 0.19 | 0.63 | 0.56 | 1.66 | 1.03 | 0.45 | 0.40 |
| N2706-LN-04-04 | 1/4 | 1/4 | 2.13 | 1.32 | 0.56 | 0.60 | 0.19 | 0.63 | 0.56 | 1.84 | 1.03 | 0.45 | 0.40 |
| N2706-LN-06-06 | 3/8 | 1/4 | 2.26 | 1.45 | 0.56 | 0.66 | 0.28 | 0.75 | 0.67 | 1.97 | 1.16 | 0.58 | 0.44 |
| N2706-LN-06-06 | 3/8 | 3/8 | 2.26 | 1.45 | 0.56 | 0.66 | 0.28 | 0.75 | 0.67 | 1.97 | 1.16 | 0.58 | 0.44 |
| N2706-LN-06-08 | 3/8 | 1/2 | 2.51 | 1.45 | 0.75 | 0.66 | 0.28 | 0.87 | 0.67 | 2.22 | 1.16 | 0.58 | 0.44 |
| N2706-LN-08-06 | 1/2 | 3/8 | 2.49 | 1.65 | 0.56 | 0.90 | 0.38 | 0.94 | 0.87 | 2.09 | 1.25 | 0.77 | 0.50 |
| N2706-LN-08-08 | 1/2 | 1/2 | 2.71 | 1.65 | 0.75 | 0.90 | 0.41 | 0.94 | 0.87 | 2.31 | 1.25 | 0.77 | 0.50 |
| N2706-LN-12-12 | 3/4 | 3/4 | 3.00 | 1.87 | 0.75 | 0.96 | 0.62 | 1.18 | 1.12 | 2.60 | 1.47 | 1.02 | 0.66 |
| N2706-LN-16-16 | 1 | 1 | 3.67 | 2.26 | 0.94 | 1.23 | 0.88 | 1.61 | 1.50 | 3.19 | 1.78 | 1.33 | 0.75 |
| N2706-LN-20-20 | 1-1/4 | 1-1/4 | 4.35 | 2.85 | 0.94 | 1.62 | 1.09 | 1.97 | 1.97 | 3.44 | 1.95 | 1.67 | 0.75 |
| N2706-LN-24-24 | 1-1/2 | 1-1/2 | 4.83 | 3.11 | 1.03 | 1.97 | 1.34 | 2.36 | 2.24 | 3.76 | 2.03 | 1.99 | 0.75 |

Bulkhead Male JIC Connector N2707-LN

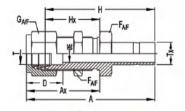
Tube x Male JIC



| Part No. | T Tube OD | S SAE/MS Male | A | Ax | D | E min. | F A/F | G A/F | Н | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------|--------------|------------------|------|------|------|-----------|----------|----------|------|------|-----------------------------|----------------------------|
| N2707-LN-04-04 | 1/4 | 1/4 | 2.12 | 1.32 | 0.60 | 0.17 | 0.63 | 0.55 | 1.83 | 1.03 | 0.45 | 0.40 |
| N2707-LN-06-06 | 3/8 | 3/8 | 2.25 | 1.45 | 0.66 | 0.28 | 0.75 | 0.67 | 1.96 | 1.16 | 0.58 | 0.44 |
| N2707-LN-08-08 | 1/2 | 1/2 | 2.59 | 1.65 | 0.90 | 0.39 | 0.94 | 0.87 | 2.19 | 1.25 | 0.77 | 0.50 |
| N2707-LN-12-12 | 3/4 | 3/4 | 3.11 | 1.87 | 0.96 | 0.61 | 1.18 | 1.06 | 2.71 | 1.47 | 1.02 | 0.66 |
| N2707-LN-16-16 | 1 | 1 | 3.64 | 2.26 | 1.23 | 0.84 | 1.61 | 1.42 | 3.16 | 1.78 | 1.33 | 0.75 |

Bulkhead Reducer N2709-LN

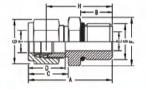
Tube x Machined Tube Stub



| Part No. | T Tube OD | Tx Tube OD | A | Ax | D | E min. | F A/F | G A/F | H | Нх | Panel Hole Drill Size | Max. Panel Thickness |
|----------------------------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------------|----------------------------|
| N2709-LN-02-02 N2709-LN-04-04 | 1/8 1/4 | 1/8 1/4 | 1.95 2.20 | 1.23 1.32 | 0.50 0.60 | 0.08 0.19 | 0.43 0.63 | 0.43 0.56 | 1.69 1.91 | 0.97 1.03 | 0.33 0.45 | 0.50 0.40 |
| N2709-LN-06-06 N2709-LN-08-08 | 3/8 1/2 | 3/8 1/2 | 2.41 | 1.45 1.65 | 0.66 0.90 | 0.28 0.39 | 0.75 0.94 | 0.67 0.87 | 2.12 | 1.16 | 0.58 0.77 | 0.44 0.50 |
| N2709-LN-10-10 N2709-LN-16-16 | 5/8 | 5/8 | 2.96 3.95 | 1.68 | 0.96 1.23 | 0.50 0.80 | 1.06 | 0.98 1.50 | 2.56 3.47 | 1.28 | 0.89 | 0.50 0.75 |
| N2709-LN-20-20 N2709-LN-24-24 | 1-1/4 1-1/2 | 1-1/4 1-1/2 | 4.75 5.01 | 2.75 3.01 | 1.62 1.97 | 1.08 1.30 | 1.97 2.36 | 1.97 2.36 | 3.54 3.94 | 1.88 1.94 | 1.64 1.95 | 0.75 0.75 0.75 |

O Seal Male Connector N6400

Tube x Male MORB Straight Threads



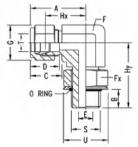
| Part | T Tube | S-SAE/MS | | | | | E | F | G | | 0 Ring* |
|---------------|--------|-----------|------|------|------|------|------|------|------|------|----------|
| No. | OD | Thread | Α | В | C | D | min. | A/F | A/F | Н | Part No. |
| N6400-02-02-0 | 1/8 | 5/16-24 | 1.18 | 0.30 | 0.60 | 0.50 | 0.09 | 0.44 | 0.44 | 0.92 | 4001-02 |
| N6400-04-04-0 | 1/4 | 7/16-20 | 1.34 | 0.36 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.05 | 4001-04 |
| N6400-04-06-0 | 1/4 | 9/16-18 | 1.40 | 0.39 | 0.70 | 0.60 | 0.19 | 0.69 | 0.56 | 1.11 | 4001-06 |
| N6400-04-08-0 | 1/4 | 3/4-16 | 1.48 | 0.44 | 0.70 | 0.60 | 0.19 | 0.88 | 0.56 | 1.19 | 4001-08 |
| N6400-04-10-0 | 1/4 | 7/8-14 | 1.60 | 0.50 | 0.70 | 0.60 | 0.19 | 1.00 | 0.56 | 1.31 | 4001-10 |
| N6400-05-05-0 | 5/16 | 1/2-20 | 1.37 | 0.36 | 0.73 | 0.64 | 0.25 | 0.63 | 0.63 | 1.08 | 4001-05 |
| N6400-06-04-0 | 3/8 | 7/16-20 | 1.40 | 0.36 | 0.76 | 0.66 | 0.20 | 0.63 | 0.69 | 1.11 | 4001-04 |
| N6400-06-06-0 | 3/8 | 9/16-18 | 1.46 | 0.39 | 0.76 | 0.66 | 0.28 | 0.67 | 0.67 | 1.17 | 4001-06 |
| N6400-06-08-0 | 3/8 | 3/4-16 | 1.54 | 0.44 | 0.76 | 0.66 | 0.28 | 0.88 | 0.69 | 1.25 | 4001-08 |
| N6400-06-10-0 | 3/8 | 7/8-14 | 1.66 | 0.50 | 0.76 | 0.66 | 0.28 | 1.00 | 0.69 | 1.37 | 4001-10 |
| N6400-08-06-0 | 1/2 | 9/16-18 | 1.54 | 0.39 | 0.86 | 0.90 | 0.28 | 0.81 | 0.88 | 1.14 | 4001-06 |
| N6400-08-08-0 | 1/2 | 3/4-16 | 1.65 | 0.44 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.25 | 4001-08 |
| N6400-08-10-0 | 1/2 | 7/8-14 | 1.77 | 0.50 | 0.86 | 0.90 | 0.41 | 1.00 | 0.88 | 1.37 | 4001-10 |
| N6400-08-12-0 | 1/2 | 1-1/16-12 | 1.93 | 0.59 | 0.86 | 0.90 | 0.41 | 1.25 | 0.88 | 1.53 | 4001-12 |
| N6400-10-08-0 | 5/8 | 3/4-16 | 1.65 | 0.44 | 0.86 | 0.96 | 0.42 | 0.94 | 1.00 | 1.25 | 4001-08 |
| N6400-10-10-0 | 5/8 | 7/8-14 | 1.78 | 0.50 | 0.86 | 0.96 | 0.50 | 1.00 | 1.00 | 1.38 | 4001-10 |
| N6400-12-08-0 | 3/4 | 3/4-16 | 1.81 | 0.44 | 0.86 | 0.96 | 0.42 | 1.06 | 1.13 | 1.41 | 4001-08 |
| N6400-12-12-0 | 3/4 | 1-1/16-12 | 1.93 | 0.59 | 0.86 | 0.96 | 0.62 | 1.26 | 1.12 | 1.53 | 4001-12 |
| N6400-14-14-0 | 7/8 | 1-3/16-12 | 1.93 | 0.59 | 0.86 | 1.02 | 0.72 | 1.38 | 1.25 | 1.53 | 4001-14 |
| N6400-16-12-0 | 1 | 1-1/16-12 | 2.10 | 0.59 | 1.04 | 1.23 | 0.66 | 1.38 | 1.50 | 1.62 | 4001-12 |
| N6400-16-16-0 | 1 | 1-5/16-12 | 2.14 | 0.59 | 1.04 | 1.23 | 0.88 | 1.50 | 1.50 | 1.66 | 4001-16 |

^{*}Standard QC Hydraulics Instrumentation 0-Rings are black Viton.



90° Positionable Male Elbow N6801

Tube X Male SAE Straight Threads

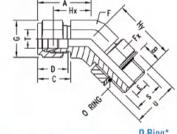


| Part No. | T Tube OD | SAE/MS Thread | Ax | В | C | D | E min. | F | Fx A/F | G A/F | Нх | Ну | U | O Ring* Part No. |
|--|--|---|--|---|--|--|--|--|--|--|--|--|--|--|
| N6801-04-04-NWO N6801-04-06-NWO N6801-06-06-NWO N6801-06-08-NWO N6801-08-08-NWO N6801-10-10-NWO N6801-12-12-NWO N6801-14-14-NWO N6801-14-16-16-NWO | 1/4 1/4 3/8 3/8 1/2 5/8 3/4 7/8 | 7/16-20 9/16-18 9/16-18 3/4-16 3/4-16 7/8-14 1-1/16-12 1-1/16-12 | 28.5 30.5 32.0 34.8 37.6 39.6 41.4 43.2 50.5 | 9.9 11.2 11.2 12.7 12.7 14.3 16.8 16.8 | 17.8 17.8 19.3 19.3 21.8 21.8 21.8 21.8 26.4 | 15.3 15.3 16.8 16.8 22.9 24.4 24.4 25.9 31.2 | 4.8 4.8 7.1 7.1 10.4 12.7 15.8 18.3 22.3 | 14 16 16 22 22 24 27 30 35 | 14 17 17 22 22 25 32 32 35 | 14 14 17 17 17 22 25 28.5 32 38 | 21.0 23.1 24.6 27.4 27.4 29.5 31.2 33 38.4 | 28.5 32.3 32.3 37.8 37.8 43.4 48.8 50.5 53.6 | 16.5 20.0 20.0 25.6 25.6 29.5 36.6 40.4 44.0 | 4001-04 4001-06 4001-08 4001-08 4001-10 4001-12 4001-14 4001-16 |
| N6801-10-10-NW0 N6801-20-20-NW0 N6801-24-24-NW0 | 1-1/4 1-1/2 | 1-5/8-12 1-7/8-12 | 67.8 78.0 | 16.8 16.8 | 38.9 45.2 | 41.2 50.0 | 27.6 34.0 | 46 50 | 50 55 | 50 60 | 45.7 50.8 | 58.2 60.4 | 54.9 62.5 | 4001-10 4001-20 4001-24 |

^{*}Standard QC Hydraulics Instrumentation O-Rings are black Viton.

45° Positionable Male Elbow N6802

Tube X Male SAE Straight Threads



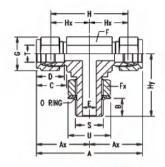
| Part No. | T Tube OD | P SAE/MS Male | A | В | C | D | E min. | F | Fx A/F | G A/F | Hx A/F | Ну | U | Part No. |
|-----------------|--------------|------------------|------|------|------|------|-----------|------|-----------|----------|-----------|------|------|-------------|
| N6802-04-04-NWO | 1/4 | 7/16-20 | 1.01 | 0.39 | 0.70 | 0.60 | 0.19 | 0.55 | 0.56 | 0.56 | 0.72 | 1.01 | 0.65 | 4001-04 |
| N6802-06-06-NWO | 3/8 | 9/16-18 | 1.10 | 0.44 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 0.67 | 0.81 | 1.11 | 0.79 | 4001-06 |
| N6802-08-08-NWO | 1/2 | 3/4-16 | 1.26 | 0.50 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 0.87 | 0.86 | 1.27 | 1.01 | 4001-08 |
| N6802-12-12-NWO | 3/4 | 1-1/16-12 | 1.57 | 0.66 | 0.86 | 0.96 | 0.62 | 1.06 | 1.26 | 1.12 | 1.17 | 1.86 | 1.44 | 4001-12 |
| N6802-16-16-NWO | 1 | 1-5/16-12 | 1.87 | 0.66 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.50 | 1.39 | 1.99 | 1.73 | 4001-16 |

^{*}Standard QC Hydraulics Instrumentation O-Rings are black Viton.



Positionable Male Branch Tee N6803

Tube x Tube x Male SAE Straight Threads

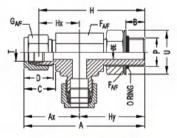


| Part No. | T Tube OD | S SAE/MS Male | A | Ax | В | C | D | E min. | F A/F | Fx A/F | G A/F | н | Нх | Ну | U | O Ring* Part No. |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| N6803-04-04-04-NWO N6803-06-06-06-NWO N6803-08-08-08-NWO N6803-12-12-12-1WO N6803-16-16-16-NWO N6803-20-20-20-NWO N6803-24-24-24-NWO | 1/4 3/8 1/2 3/4 1 1-1/4 1-1/2 | 7/16-20 9/16-18 3/4-16 1-1/16-12 1-5/16-12 1-5/8-12 1-7/8-12 | 2.24 2.52 2.96 3.26 3.98 5.34 6.14 | 1.12 1.26 1.48 1.63 1.99 2.67 3.07 | 0.39 0.44 0.50 0.66 0.66 0.66 | 0.70 0.76 0.86 0.86 1.04 1.53 1.78 | 0.60 0.66 0.90 0.96 1.23 1.62 1.97 | 0.19 0.28 0.41 0.62 0.88 1.09 1.34 | 0.55 0.67 0.87 1.06 1.38 1.81 1.97 | 0.55 0.67 0.87 1.26 1.38 1.97 2.17 | 0.56 0.67 0.87 1.12 1.50 1.97 2.36 | 1.65 1.94 2.16 2.46 3.02 3.60 4.00 | 0.83 0.97 1.08 1.23 1.51 1.80 2.00 | 1.12 1.27 1.49 1.92 2.11 2.28 2.38 | 0.65 0.79 1.01 1.44 1.73 2.17 2.48 | 4001-04 4001-06 4001-08 4001-12 4001-16 4001-20 4001-24 |

^{*}Standard QC Hydraulics Instrumentation O-Rings are black Viton.

Positionable Male Run Tee N6804

Tube x Male SAE Straight Threads x Tube



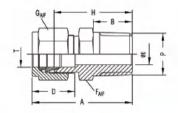
| Part No. | T Tube OD | S SAE/MS Male | A | Ax | В | C | D | E min. | F A/F | Fx A/F | G A/F | н | Нх | Ну | U | O Ring* Part No. |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| N6904-04-04-0WO N6904-06-06-06-NWO N6904-08-08-08-NWO N6904-12-12-12-NWO N6904-16-16-16-NWO N6904-20-20-20-NWO N6904-24-24-24-NWO | 1/4 3/8 1/2 3/4 1 1-1/4 1-1/2 | 7/16-20 9/16-18 3/4-12 1-1/16-12 1-5/16-12 1-5/8-12 1-7/8-12 | 224 253 297 355 4.10 4.96 5.45 | 1.12 1.26 1.48 1.63 1.99 2.67 3.07 | 0.39 0.44 0.50 0.66 0.66 0.66 | 0.70 0.76 0.86 0.86 1.04 1.53 1.78 | 0.60 0.66 0.90 0.96 1.23 1.62 1.97 | 0.19 0.28 0.41 0.62 0.88 1.09 1.34 | 0.55 0.67 0.87 1.06 1.42 1.81 1.97 | 0.56 0.67 0.87 1.26 1.42 1.97 2.17 | 0.56 0.67 0.87 1.12 1.50 1.97 2.36 | 1.95 2.24 2.57 3.15 3.62 4.09 4.38 | 0.83 0.97 1.08 1.23 1.51 1.80 2.00 | 1.12 1.27 1.49 1.92 2.11 2.29 2.38 | 0.65 0.79 1.01 1.44 1.73 2.16 2.46 | 4001-04 4001-06 4001-08 4001-12 4001-16 4001-20 4001-24 |

^{*}Standard QC Hydraulics Instrumentation O-Rings are black Viton.



BSPT Male Connector N7000

Tube x Male BSPT Threads

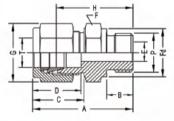


| Part | T Tube | P ISO | | | | | E | F | G | |
|-------------|--------|-------|------|------|------|------|------|------|------|------|
| No. | OD | Male | A | В | C | D | min. | A/F | A/F | Н |
| N7000-02-02 | 1/8 | 1/8 | 1.20 | 0.38 | 0.60 | 0.50 | 0.09 | 0.43 | 0.43 | 0.94 |
| N7000-02-04 | 1/8 | 1/4 | 1.40 | 0.56 | 0.60 | 0.50 | 0.09 | 0.56 | 0.43 | 1.14 |
| N7000-04-02 | 1/4 | 1/8 | 1.29 | 0.38 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.00 |
| N7000-04-04 | 1/4 | 1/4 | 1.49 | 0.56 | 0.70 | 0.60 | 0.19 | 0.56 | 0.56 | 1.20 |
| N7000-04-06 | 1/4 | 3/8 | 1.51 | 0.56 | 0.70 | 0.60 | 0.19 | 0.75 | 0.56 | 1.22 |
| N7000-04-08 | 1/4 | 1/2 | 1.76 | 0.75 | 0.70 | 0.60 | 0.19 | 0.87 | 0.56 | 1.47 |
| N7000-06-02 | 3/8 | 1/8 | 1.39 | 0.38 | 0.76 | 0.66 | 0.19 | 0.63 | 0.67 | 1.10 |
| N7000-06-04 | 3/8 | 1/4 | 1.57 | 0.56 | 0.76 | 0.66 | 0.28 | 0.63 | 0.67 | 1.28 |
| N7000-06-06 | 3/8 | 3/8 | 1.57 | 0.56 | 0.76 | 0.66 | 0.28 | 0.75 | 0.67 | 1.28 |
| N7000-06-08 | 3/8 | 1/2 | 1.82 | 0.75 | 0.76 | 0.66 | 0.28 | 0.87 | 0.67 | 1.53 |
| N7000-08-04 | 1/2 | 1/4 | 1.71 | 0.56 | 0.86 | 0.90 | 0.28 | 0.81 | 0.87 | 1.31 |
| N7000-08-06 | 1/2 | 3/8 | 1.71 | 0.56 | 0.86 | 0.90 | 0.38 | 0.81 | 0.87 | 1.31 |
| N7000-08-08 | 1/2 | 1/2 | 1.93 | 0.75 | 0.86 | 0.90 | 0.41 | 0.87 | 0.87 | 1.53 |
| N7000-12-12 | 3/4 | 3/4 | 1.99 | 0.75 | 0.86 | 0.96 | 0.62 | 1.06 | 1.12 | 1.59 |
| N7000-16-16 | 1 | 1 | 2.45 | 0.94 | 1.04 | 1.23 | 0.88 | 1.42 | 1.50 | 1.97 |
| N7000-20-16 | 1-1/4 | 1 | 3.04 | 0.94 | 1.53 | 1.62 | 0.88 | 1.81 | 1.97 | 2.17 |
| N7000-20-20 | 1-1/4 | 1-1/4 | 3.04 | 0.94 | 1.53 | 1.62 | 1.09 | 1.81 | 1.97 | 2.17 |
| N7000-24-24 | 1-1/2 | 1-1/2 | 3.50 | 1.03 | 1.78 | 1.97 | 1.34 | 2.17 | 2.24 | 2.43 |

BSPP Male Connector

N7002

Tube X Male BSPP Threads



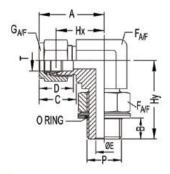
| Part | T | P | | | | | E | F | | G | |
|-------------|-----------|----------|------|------|------|------|--------|------|------|------|------|
| No. | Tube O.D. | ISO Male | A | В | C | D | (min.) | A/F | Fd | A/F | Н |
| N7002-02-02 | 1/8 | 1/8 | 1.18 | 0.28 | 0.60 | 0.50 | 0.09 | 0.56 | 0.54 | 0.43 | 0.92 |
| N7002-02-04 | 1/8 | 1/4 | 1.39 | 0.44 | 0.60 | 0.50 | 0.09 | 0.75 | 0.71 | 0.43 | 1.13 |
| N7002-04-02 | 1/4 | 1/8 | 1.27 | 0.28 | 0.70 | 0.60 | 0.19 | 0.56 | 0.54 | 0.56 | 0.98 |
| N7002-04-04 | 1/4 | 1/4 | 1.48 | 0.44 | 0.70 | 0.60 | 0.19 | 0.75 | 0.71 | 0.56 | 1.19 |
| N7002-06-04 | 3/8 | 1/4 | 1.54 | 0.44 | 0.76 | 0.66 | 0.23 | 0.75 | 0.71 | 0.67 | 1.25 |
| N7002-06-06 | 3/8 | 3/8 | 1.59 | 0.44 | 0.76 | 0.66 | 0.28 | 0.87 | 0.86 | 0.67 | 1.30 |
| N7002-06-08 | 3/8 | 1/2 | 1.82 | 0.56 | 0.76 | 0.66 | 0.28 | 1.06 | 1.02 | 0.67 | 1.53 |
| N7002-08-04 | 1/2 | 1/4 | 1.68 | 0.44 | 0.86 | 0.90 | 0.23 | 0.83 | 0.71 | 0.87 | 1.28 |
| N7002-08-06 | 1/2 | 3/8 | 1.70 | 0.44 | 0.86 | 0.90 | 0.31 | 0.87 | 0.86 | 0.87 | 1.30 |
| N7002-08-08 | 1/2 | 1/2 | 1.93 | 0.56 | 0.86 | 0.90 | 0.41 | 1.06 | 1.02 | 0.87 | 1.53 |
| N7002-08-12 | 1/2 | 3/4 | 2.08 | 0.62 | 0.86 | 0.90 | 0.41 | 1.42 | 1.26 | 0.87 | 1.68 |
| N7002-10-08 | 5/8 | 1/2 | 1.98 | 0.56 | 0.86 | 0.96 | 0.47 | 1.26 | 1.25 | 0.87 | 1.59 |
| N7002-12-08 | 3/4 | 1/2 | 1.93 | 0.56 | 0.86 | 0.96 | 0.47 | 1.06 | 1.02 | 1.12 | 1.53 |
| N7002-12-12 | 3/4 | 3/4 | 2.08 | 0.62 | 0.86 | 0.96 | 0.62 | 1.42 | 1.26 | 1.12 | 1.68 |
| N7002-12-16 | 3/4 | 1 1 | 2.18 | 0.72 | 0.86 | 0.96 | 0.62 | 1.61 | 1.54 | 1.12 | 1.80 |
| N7002-16-08 | 1 | 1/2 | 2.20 | 0.56 | 1.04 | 1.23 | 0.47 | 1.42 | 1.02 | 1.50 | 1.72 |
| N7002-16-12 | 1 1 | 3/4 | 2.26 | 0.62 | 1.04 | 1.23 | 0.62 | 1.42 | 1.26 | 1.50 | 1.78 |
| N7002-16-16 | Ιi | 1 1 | 2.36 | 0.72 | 1.04 | 1.23 | 0.78 | 1.61 | 1.54 | 1.50 | 1.88 |
| N7002-20-20 | 1-1/4 | 1-1/4 | 3.11 | 0.78 | 1.53 | 1.62 | 0.98 | 1.97 | 1.93 | 1.97 | 2.20 |
| N7002-24-24 | 1-1/2 | 1-1/2 | 3.57 | 0.87 | 1.78 | 1.97 | 1.25 | 2.36 | 2.15 | 2.24 | 2.49 |

Parallel Threads Are As Per Iso-228 Part-1 #Groove Is As Per Din 3852 Form-'G'



BSPP Positionable Male Elbow N7202

Tube x Male BSPP Threads



| Part No. | T Tube OD | P ISO Male | A | В | C | D | E min. | F | Fx A/F | G A/F | Нх | Hv | U |
|-------------|--------------|---------------|------|------|------|------|-----------|------|-----------|----------|------|------|------|
| N7202-04-02 | 1/4 | 1/8 | 1.06 | 0.32 | 0.70 | 0.60 | 0.16 | 0.55 | 0.56 | 0.56 | 0.77 | 1.04 | 0.68 |
| N7202-04-04 | 1/4 | 1/4 | 1.14 | 0.36 | 0.70 | 0.60 | 0.19 | 0.63 | 0.75 | 0.56 | 0.85 | 1.27 | 0.90 |
| N7202-06-04 | 3/8 | 1/4 | 120 | 0.36 | 0.76 | 0.66 | 0.13 | 0.63 | 0.75 | 0.67 | 0.91 | 127 | 0.90 |
| N7202-06-06 | 3/8 | 3/8 | 1.31 | 0.36 | 0.76 | 0.66 | 0.28 | 0.87 | 0.87 | 0.67 | 1.02 | 1.46 | 1.04 |
| N7202-08-04 | 1/2 | 1/4 | 1.42 | 0.36 | 0.86 | 0.90 | 0.23 | 0.81 | 0.75 | 0.87 | 1.02 | 1.38 | 0.90 |
| N7202-08-06 | 1/2 | 3/8 | 1.42 | 0.37 | 0.86 | 0.90 | 0.31 | 0.87 | 0.87 | 0.87 | 1.02 | 1.46 | 1.04 |
| N7202-08-08 | 1/2 | 1/2 | 1.50 | 0.51 | 0.86 | 0.96 | 0.41 | 0.94 | 1.06 | 0.87 | 1.10 | 1.71 | 1.26 |
| N7202-10-08 | 5/8 | 1/2 | 1.50 | 0.51 | 0.86 | 0.96 | 0.41 | 0.94 | 1.06 | 0.98 | 1.10 | 1.71 | 1.26 |
| N7202-12-08 | 3/4 | 1/2 | 1.57 | 0.51 | 0.86 | 0.96 | 0.41 | 1.06 | 1.06 | 1.12 | 1.17 | 1.78 | 1.26 |
| N7202-12-12 | 3/4 | 3/4 | 1.57 | 0.51 | 0.86 | 0.96 | 0.62 | 1.06 | 1.42 | 1.12 | 1.17 | 1.92 | 1.62 |
| N7202-16-12 | 1 1 | 3/4 | 1.93 | 0.51 | 1.04 | 1.23 | 0.62 | 1.42 | 1.42 | 1.50 | 1.45 | 2.10 | 1.62 |
| N7202-16-16 | 1 | 1 | 1.93 | 0.55 | 1.04 | 1.23 | 0.78 | 1.42 | 1.61 | 1.50 | 1.45 | 211 | 1.91 |

SINGLE-FERRULE FITTINGS

QC Hydraulics offers both double-ferrule and single-ferrule tube fittings. While the double-ferrule design is more popular, there are situations where single-ferrule fittings are preferred.

No backward ferrules

One ferrule means one direction. If the ferrule has been installed backward, it would be obvious right away.

No missing ferrules

If the ferrule has not been installed, it would be easy to see that it is missing. With single-ferrule fittings, there is less chance for an incorrect assembly.

No changing the entire facility

Some facilities have been built using only single-ferrule fittings. In such cases, QC Hydraulics now gives you the option to continue using the single-ferrule design if that is what you want or require. That means you don't have to change all of the fittings throughout the facility to double-ferrule designs.

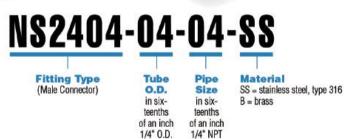
Better vibration performance

In some instances where there is a higher degree of vibration or pulsation, single-ferrule designs are preferred over double-ferrule fittings. Some users feel that the single-ferrule design performs better in such applications.



Ordering Codes

EXAMPLE



- . NS (S stands for single ferrule) is the part number prefix.
- 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.



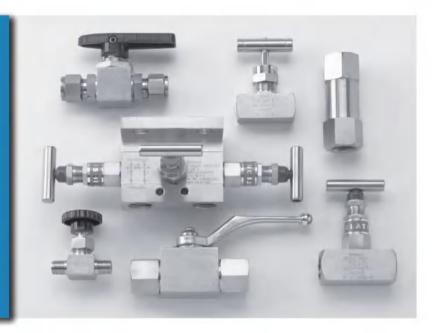
QC Hydraulics manufactures a wide range of valves and manifolds used in conjunction with fittings for specialized applications in instrumentation, oil and gas installations, steam and gas turbines, low temperature gas and liquid gas systems and fine gas.

Products - Valves:

Needle, Shut-Off, Check, Flow Control, Ball, Plug, etc.

Products - Manifolds:

For Pressure and Differential Pressure Instruments widely used in the instrumentation field



QC Hydraulics Standard Valve Product Range Includes:

■ Needle Valves (NVN Series)

QC Hydraulics offers a comprehensive range of Needle Valves. Our range includes both Integral Bonnet and Screwed Bonnet designs. These Needle Valves are available with a variety of end connections covering screwed male/female pipe ends and tube ends, which conform to both single and double-ferrule designs.

Some unique features of our Needle Valves are:

- A swiveling, non-rotating plug which prevents body leakage and ensures positive aligned seating for repeat operations.
- Thread above the gland seal which ensures that threads are not left wet by the media.
- · Hardened plugs which prevent indentation of the plug and guarantees long life.

■ Ball Valves (NVB Series)

QC Hydraulics offers a wide range of Ball Valves which are available in two, three and four-way designs. These Ball Valves are available with a variety of end connections (screwed ends, single ferrule, double ferrule).

QC Hydraulics Instrumentation Ball Valves for switching service are suitable for panel mounting. They are used in two-way as well as three-way designs with bottom entry and other outlet ports in the same plane. Their compact design is ideal for applications that require minimum carry-over fluid when switching from one port to another. These valves are also used for both static and vehicular CNG applications.

■ Check Valves (NVC Series)

QC Hydraulics range of Check Valves is equipped with a unique sealing arrangement that transmits pressure directly to the body and provides for zero leakage over long-life operations. The Non-Return range of Check Valves is suitable for pressures up to 4,300 psi and is available with a variety of ends.



| QC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lok | CBC-LO |
|----------------------|-------------------|----------|---------------|-----------------|--------|---------|---------------------|--------|-------------|
| 0304-01 | INPLUG | 100-P | 1 FNZ | 1BLP1 | DBA 1 | 1P | 7121L-1/16-1/16 | CPA-1 | 1-DF PLUG |
| 0304-02 | INPLUG | 200-P | 2 FNZ | 2BLP2 | DBA 2 | 2P | 7121L-1/8-1/8 | CPA-2 | 2-DF PLUG |
| 0304-03 | INPLUG | 300-P | 3 FNZ | 3BLP3 | DBA3 | 3P | 7121L-3/16-3/16 | CPA-3 | 3-DF PLUG |
| 0304-04 | NPLUG | 400-P | 4 FNZ | 4BLP4 | DBA 4 | 4P | 7121L-1/4-1/4 | CPA-4 | 4-DF PLUG |
| 0304-05 | INPLUG | 500-P | 5 FNZ | 5BLP5 | DBA5 | 5P | 7121L-5/16-5/16 | CPA-5 | 5-DF PLUG |
| 0304-06 | NPLUG | 600-P | 6 FNZ | 6BLP6 | DBA 6 | 6P | 7121L-3/8-3/8 | CPA-6 | 6-DF PLUG |
| 3304-08 | NPLUG | 810-P | 8 FNZ | 8BLP8 | DBA 8 | 8P | 7121L-1/2-1/2 | CPA-8 | 8-DF PLUG |
| | | | | | | | | CDA 40 | |
| 3304-10 | IN PLUG | 1010-P | 10 FNZ | 10BLP10 | DBA 10 | 10P | 7121L-5/8-5/8 | CPA-10 | 10-DF PLUG |
| 304-12 | IN PLUG | 1210-P | 12 FNZ | 12BLP12 | DBA 12 | 12P | 7121L-3/4-3/4 | CPA-12 | 12-DF PLUG |
| 304-14 | INPLUG | 1410-P | 14 FNZ | 14BLP14 | DBA 14 | 14P | 7121L-7/8-7/8 | CPA-14 | 14-DF PLUG |
| 304-16 | NPLUG | 1610-P | 16 FNZ | 16BLP16 | DBA 16 | 16P | 7121L-1-1 | CPA-16 | 16-DF PLUG |
| 304-20 | IN PLUG | 2000-P | 20 FNZ | 20BLP20 | DBA 20 | 20P | 7121L-1-1/4-1-1/4 | CPA-20 | 20-DF PLUG |
| 304-24 | INPLUG | 2400-P | 24 FNZ | 24BLP24 | DBA 24 | 24P | 7121L-1-1/2-1/1/2 | CPA-24 | 24-DF PLUG |
| 304-32 | IN PLUG | 3200-P | 32 FNZ | 32BLP32 | DBA 32 | 32P | 7121L-2-2 | CPA-32 | 32-DF PLUG |
| 318-01 | NNUT | 102-1 | 1 BZ | 1NU1 | DNA 1 | 1N | 761L-1/16 | CN-1 | DN-1 |
| 318-02 | IN NUT | 202-1 | 2 BZ | 2NU2 | DNA2 | 2N | 761L-1/8 | CN-2 | DN-2 |
| | | | 3 BZ | | | 3N | | CN-3 | DN-32 |
| 318-03 | NNUT | 302-1 | 4 BZ | 3NU3 | DNA3 | | 761L-3/16 | CN-3 | |
| 318-04 | INNUT | 402-1 | 4 62 | 4NU4 | DNA.4 | 4N | 761L-1/4 | CN-4 | DN-4 |
| 318-05 | INNUT | 502-1 | 5BZ | 5NU5 | DNA.5 | 5N | 761L-5/16 | CN-5 | DN-5 |
| 318-06 | INNUT | 602-1 | 6 BZ | 6NU6 | DNA 6 | 6N | 761L-3/8 | CN-6 | DN-8 |
| 318-08 | NNUT | 812-1 | 8 BZ | 8NU8 | DNA8 | 8N | 761L-1/2 | CN-8 | DN-8 |
| 318-10 | INNUT | 1012-1 | 10 BZ | 10NU10 | DNA 10 | 10N | 761L-5/8 | CN-10 | DN-10 |
| 318-12 | NNUT | 1212-1 | 12 BZ | 12NU12 | DNA 12 | 12N | 761L-3/4 | CN-12 | DN-12 |
| 318-14 | INNUT | 1412-1 | 14 BZ | 14NU14 | DNA 14 | 14N | 761L-7/8 | CN-14 | DN-14 |
| 318-16 | INNUT | 1612-1 | 16 BZ | 16NU16 | DNA 16 | 16N | 761L-1 | CN-16 | DN-16 |
| 318-20 | INNUT | 2002-1 | 20 BZ | 20NU20 | DNA 20 | 20N | 761L-1-1/4 | CN-20 | DN-20 |
| | | | 24.07 | | DNA 24 | | | CN 24 | DN-24 |
| 318-24 | INNUT | 2402-1 | 24 BZ | 24NU24 | DNA 24 | 24N | 761L-1-1/2 | CN-24 | |
| 318-32 | IN NUT | 3202-1 | 32 BZ | 32NU32 | DNA 32 | 32N | 761L-2 | CN-32 | DN-32 |
| 319-B-01 | BACK FERRULE | 104-1 | N/A# | 1BF1 | DOB1 | 1FR | 760LB-1/16-1/16 | CFB-1 | DRC-1 |
| G19-B-02 | BACK FERRULE | 204-1 | N/A# | 2BF2 | DOB2 | 2FR | 760LB-1/8-1/8 | CFB-2 | DRC-2 |
| 319-B-03 | BACK FERRULE | 304-1 | N/A# | 3BF3 | DOB3 | 3FR | 760LB-3/16-3/16 | CFB-3 | DRC-32 |
| G19-B-04 | BACK FERRULE | 404-1 | N/A# | 4BF4 | DOB 4 | 4FR | 760LB-1/4-1/4 | CFB-4 | DRC-4 |
| 319-B-05 | BACK FERRULE | 504-1 | N/A# | 5BF5 | DOB5 | 5FR | 760LB-5/16-5/16 | CFB-5 | DRC-5 |
| 319-B-06 | BACK FERRULE | 604-1 | N/A# | 6BF6 | DOB 6 | 6FR | 760LB-3/8-3/8 | CFB-6 | DRC-6 |
| 319-B-08 | BACK FERRULE | 814-1 | N/A# | 8BF8 | DOB8 | 8FR | 760LB-1/2-1/2 | CFB-8 | DRC-8 |
| | | | | | | | | CFB-10 | DRC-10 |
| 319-B-10 | BACK FERRULE | 1014-1 | N/A# | 10BF10 | DOB 10 | 10FR | 760LB-5/8-5/8 | | |
| 0319-B-12 | BACK FERRULE | 1214-1 | N/A# | 12BF12 | DOB 12 | 12FR | 760LB-3/4-3/4 | CFB-12 | DRC-12 |
| 0319-B-14 | BACK FERRULE | 1414-1 | N/A# | 14BF14 | DOB 14 | 14FR | 760LB-7/8-7/8 | CFB-14 | DRC-14 |
| 319-B-16 | BACK FERRULE | 1614-1 | N/A# | 16BF16 | DOB 16 | 16FR | 760LB-1-1 | CFB-16 | DRC-16 |
| 0319-B-20 | BACK FERRULE | 2004-1 | N/A# | 20BF20 | DOB 20 | 20FR | 760LB-1-1/4-1-1/4 | CFB-20 | DRC-20 |
| 319-B-24 | BACK FERRULE | 2404-1 | N/A# | 24BF24 | DOB 24 | 24FR | 760LB-1-1/2-1/1/2 | CFB-24 | DRC-24 |
| 0319-B-32 | BACK FERRULE | 3204-1 | N/A# | 32BF32 | DOB 32 | 32FR | 760LB-2-2 | CFB-32 | DRC-32 |
| 319-F-01 | FRONT FERRULE | 103-1 | N/A# | 1FF1 | DOF1 | 1FF | 760LF-1/16-1/16 | CFF-1 | DFC-1 |
| 319-F-02 | FRONT FERRULE | 203-1 | N/A# | 2FF2 | DOF 2 | 2FF | 760LF-1/8-1/8 | CFF-2 | DFC-2 |
| | | | | | | 3FF | | | |
| 319-F-03 | FRONT FERRULE | 303-1 | N/A# | 3FF3 | DOF 3 | | 760LF-3/16-3/16 | CFF-3 | DFC-3 |
| 319-F-04 | FRONT FERRULE | 403-1 | N/A# | 4FF4 | DOF4 | 4FF | 760LF-1/4-1/4 | CFF-4 | DFC-4 |
| 319-F-05 | FRONT FERRULE | 503-1 | N/A# | 5FF5 | DOF5 | 5FF | 760LF-5/16-5/16 | CFF-5 | DFC-5 |
| 319-F-06 | FRONT FERRULE | 603-1 | N/A# | 6FF6 | DOF 6 | 6FF | 760LF-3/8-3/8 | CFF-6 | DFC-6 |
| 319-F-08 | FRONT FERRULE | 813-1 | N/A# | 8FF8 | DOF8 | 8FF | 760LF-1/2-1/2 | CFF-8 | DFC-8 |
| 319-F-10 | FRONT FERRULE | 1013-1 | N/A# | 10FF10 | DOF 10 | 10FF | 760LF-5/8-5/8 | CFF-10 | DFC-10 |
| 319-F-12 | FRONT FERRULE | 1213-1 | N/A# | 12FF12 | D0F12 | 12FF | 760LF-3/4-3/4 | CFF-12 | DFC-12 |
| 319-F-14 | FRONT FERRULE | 1413-1 | N/A# | 14FF14 | DOF 14 | 14FF | 760LF-7/8-7/8 | CFF-14 | DFC-14 |
| 319-F-16 | FRONT FERRULE | 1613-1 | N/A# | 16FF16 | DOF 16 | 16FF | 760LF-1-1 | CFF-16 | DFC-16 |
| 319-F-20 | FRONT FERRULE | 2003-1 | N/A# | 20FF20 | DOF 20 | 20FF | 760LF-1-1/4-1-1/4 | CFF-20 | DFC-20 |
| | | | | | | | | | |
| 319-F-24 | FRONT FERRULE | 2413-1 | N/A# | 24FF24 | D0F 24 | 24FF | 760LF-1-1/2-1/1/2 | CFF-24 | DFC-24 |
| G19-F-32 | FRONT FERRULE | 3213-1 | N/A# | 32FF32 | D0F32 | 32FF | 760LF-2-2 | CFF-32 | DFC-32 |
| 319-S-01 | FERRULE SET | 100 SET | 1 TZ | 1ALOK-SET | DOS 1 | 1SF | 760LB + 760LF-1/16 | CFS-1 | DCSET-1-10 |
| 319-S-02 | FERRULE SET | 200 SET | 217 | 2ALOK-SET | DOS 2 | 2SF | 760LB + 760LF-1/8 | CFS-2 | DCSET-2-10 |
| 0319-S-03 | FERRULE SET | 300-SET | 3 TZ | 3ALOK-SET | DOS 3 | 3SF | 760LB+760LF-3/16 | CFS-3 | DCSET-3-10 |
| 319-S-04 | FERRULE SET | 400 SET | 4 TZ | 4ALOK-SET | DOS 4 | 4SF | 760LB + 760LF-1/4 | CFS-4 | DCSET-4-10 |
| 319-S-05 | FERRULE SET | 500 SET | 5TZ | 5ALOK-SET | DOS 5 | 5SF | 760LB + 760LF-5/16 | CFS-5 | DCSET-5-10 |
| 319-S-06 | FERRULE SET | 600 SET | 617 | 6ALDK-SET | DOS 6 | 6SF | 760LB + 760LF-3/8 | CFS-6 | DCSET-6-10 |
| | FERRULE SET | | | 8ALOK-SET | DOS 8 | 8SF | | | DCSET-8-10 |
| 319-S-08 | | B10 SET | 872 | | | | 760LB + 760LF-1/2 | CFS-8 | |
| G19-S-10 | FERRULE SET | 1010 SET | 10 TZ | 10ALOK-SET | DOS 10 | 10SF | 760LB + 760LF-5/8 | CFS-10 | DCSET-10-10 |
| 319-S-12 | FERRULE SET | 1210 SET | 12 TZ | 12ALOK-SET | DOS 12 | 12SF | 760LB + 760LF-3/4 | CFS-12 | DCSET-12-10 |
| 319-S-14 | FERRULE SET | 1410 SET | 14 TZ | 14ALOK-SET | DOS 14 | 14SF | 760LB+760LF-7/8 | CFS-14 | DCSET-14-10 |
| 319-S-16 | FERRULE SET | 1610 SET | 16 TZ | 16ALOK-SET | DOS 16 | 16SF | 760LB + 760LF-1 | CFS-16 | DCSET-16-10 |
| 319-S-20 | FERRULE SET | 2000 SET | 20 TZ | 20ALOK-SET | DOS 20 | 20SF | 760LB + 760LF-1-1/4 | CFS-20 | DCSET-20-10 |
| 319-S-24 | FERRULE SET | 2400 SET | 24 TZ | 24ALOK-SET | DOS 24 | 24SF | 760LB+760LF-1-1/2 | CFS-24 | DCSET-24-10 |
| 319-S-32 | FERRULE SET | 3200 SET | 32 TZ | 32ALOK-SET | DOS 32 | 32SF | 760LB+760LF-2 | OFS-32 | DCSET-32-10 |
| | | JZUU JEI | | | | | | | |
| 0319-FT-02 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 319-FT-04 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 319-FT-06 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 319-FT-08 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 319-FT-10 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |



| OC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lok | CBC-LO |
|----------------------|-------------------|-------------|---------------|-----------------|-----------|---------|------------------|------------|-------------|
| 0319-FT-12 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 0319-FT-16 | FERR TUBE & STICK | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# |
| 2402-02-02 | IN-MJ | 200-6-2AN | 2-2 XHBZ | 2XASC2 | DUC 2-2 | 2UAN2 | 762LFL-1/8-1/8 | CFU-2 | 2-SUANF-2 |
| 2402-04-04 | N-MJ | 400-6-4AN | 4-4 XHBZ | 4XASC4 | DUC 4-4 | 4UAN4 | 762LFL-1/4-1/4 | CFU-4 | 4-SUANF-4 |
| 2402-06-06 | IN-MJ | 600-6-6AN | 6-6 XHBZ | 6XASC6 | DUC 6-6 | 6UAN6 | 762LFL-3/8-38 | CFU-6 | 6-SUANF-6 |
| | | | | | | | | CELLO | |
| 2402-08-08 | IN-MJ | 810-6-8AN | 8-8 XHBZ | 8XASC8 | DUC 8-8 | 8UAN8 | 762LFL-1/2-1/2 | CFU-8 | 8-SUANF-8 |
| 2402-12-12 | IN-MJ | 1210-6-12AN | 12-12 XHBZ | 12XASC12 | DUC 12-12 | 12UAN12 | 762LFL-3/4-3/4 | CFU-12 | 12-SUANF-12 |
| 2402-16-16 | IN-MJ | 1610-6-16AN | 16-16 XHBZ | 16XASC16 | DUC 16-16 | 16UAN16 | 762LFL-1-1 | CFU-16 | 16-SUANF-16 |
| 2403-01-01 | IN-IN | 100-6 | 1-1 HBZ | 1SC1 | DUA 1 | 1U | 762L-1/16-1/16 | CUA-1 | 1-DU |
| 2403-02-01 | INHN | 200-6-1 | 2-1 HBZ | 2901 | DUR 2-1 | 2RU1 | 762L-1/8-1/16 | CUA-2-1 | 2-DRU-1 |
| 2403-02-02 | NHN | 200-6 | 2-2 HBZ | 2902 | DUA2 | 2U | 762L-1/8-1/8 | CUA-2 | DU-2 |
| 2403-03-02 | N-IN | 300-6-2 | 3-2 HBZ | 3902 | DUR3-2 | 3RU2 | 762L-3/16-1/8 | CUR-3-2 | 3-DRU-2 |
| | NHN | 300-6 | 3-3 HBZ | 3SC3 | DUA3 | 3U | 762L-3/16-3/16 | CUA-3 | DU-3 |
| 2403-03-03 | | | | 3303 | | | | | |
| 2403-04-02 | N-IN | 400-6-2 | 4-2 HBZ | 4RU2 | DUR4-2 | 4RLI2 | 763L-1/4-1/9 | CUR-4-2 | 4-DRU-2 |
| 2403-04-04 | NHN | 400-6 | 4-4 HBZ | 4SC4 | DUA 4 | 40 | 762L-1/4-1/4 | CUA-4 | 4-DU |
| 2403-05-02 | IN-IN | 500-6-2 | 5-2 HBZ | 5RU2 | DUR5-2 | 5RU2 | 763L-5/16-1/8 | CUR-5-2 | 5-DRU-2 |
| 2403-05-04 | IN-IN | 500-6-4 | 5-4 HBZ | 5RU4 | DUA 5-4 | 504 | 763L-5/16-1/4 | CUR-5-4 | 5-DRU-4 |
| 2403-05-05 | IN-IN | 500-6 | 5-5 HBZ | 5SC5 | DUA5 | 5U | 762L-5/16-5/16 | CUA-5 | 6-DU |
| 2403-06-02 | IN-IN | 600-6-2 | 6-2 HBZ | 6RU2 | DUR 6-2 | 6RU2 | 763L-3/8-1/8 | CUR-6-2 | 6-DRU-2 |
| 2403-06-04 | IN-IN | 600-6-4 | 6-4 HBZ | 6RU4 | DUR 6-4 | 6RU4 | | CUR-6-4 | 6-DRU-4 |
| | | | | | | | 763L-3/8-1/4 | | |
| 2403-06-06 | IN-IN | 600-6 | 6-6 HBZ | 6S06 | DUA 6 | 6U | 762L-3/8-3/8 | CUA-6 | 6-DU |
| 2403-08-02 | IN-IN | 810-6-2 | 8-2 HBZ | 8RU2 | DUR 8-2 | 8RU2 | 763L-1/2-1/9 | CUR-8-2 | 8-DRU-2 |
| 2403-08-04 | IN-IN | 810-6-4 | 8-4 HBZ | 8RU4 | DUR 8-4 | 8RU4 | 763L-1/2-1/4 | CUR-8-4 | 8-DRU-4 |
| 2403-08-06 | IN-IN | 810-6-6 | 8-6 HBZ | 8RU6 | DUR 8-6 | 8RU6 | 763L-1/2-3/8 | CUR-8-6 | 8-DRU-6 |
| 2403-08-08 | IN-IN | 810-6 | 8-B HBZ | 8SC8 | DUA 8 | 8U | 762L-1/2-1/2 | CUA-8 | 8-DU |
| 2403-10-06 | IN-IN | 1010-6-6 | 10-6 HBZ | 10RU6 | DUR 10-6 | 10RU6 | 763L-5/8-3/8 | CUR-10-6 | 10-DRU-6 |
| 2403-10-08 | IN-IN | 1010-6-8 | 10-8 HBZ | 10RU8 | DUR 10-8 | 10RU8 | 763L-5/8-1/2 | CUR-10-8 | 10-DRU-8 |
| | | | | | | | | | |
| 2403-10-10 | IN-IN | 1010-6 | 10-10 HBZ | 10SC10 | DUA 10 | 10U | 762L-5/8-5/8 | CUA-10 | 10-DU |
| 2403-12-04 | IN-IN | 1210-6-4 | 12-4 HBZ | 12RU4 | DUR 12-4 | 12RU4 | 763L-3/4-1/4 | CUR-12-4 | 12-DRU-4 |
| 2403-12-06 | IN-IN | 1210-6-6 | 12-6 HBZ | 12RU6 | DUR 12-6 | 12RU6 | 763L-3/4-3/8 | CUR-12-6 | 12-DRU-6 |
| 2403-12-08 | IN-IN | 1210-6-8 | 12-8 HBZ | 12RU8 | DUR 12-8 | 12RU8 | 763L-3/4-1/2 | CUR-12-8 | 12-DRU-8 |
| 2403-12-12 | IN-IN | 1210-6 | 12-12 HBZ | 12SC12 | DUA 12 | 12U | 762L-3/4-3/4 | CUA-12 | 12-DU |
| 2403-14-14 | IN-IN | 1410-6 | 14-14 HBZ | 14SC14 | DUA 14 | 14U | 762L-7/8-7/8 | CUA-14 | 14-DU |
| | IN-IN | | | 16RU8 | | | | | |
| 2403-16-08 | | 1610-6-8 | 16-8 HBZ | | DUR 16-8 | 16RUB | 763L-1-1/2 | CUR-16-8 | 16-DRU-8 |
| 2403-16-12 | IN-IN | 1610-6-12 | 16-12 HBZ | 16RU12 | DUR 16-12 | 16RU12 | 763L-1-3/4 | CUR-16-12 | 16-DRU-12 |
| 2403-16-16 | IN-IN | 1610-6 | 16-16 HBZ | 16SC16 | DUA 16 | 16U | 762L-1-1 | CUA-16 | 16-DU |
| 2403-20-16 | IN-IN | 2000-6-20 | 20-16 HBZ | 20RU16 | DUR 20-16 | 20RU16 | 763L-1-1/4-1 | #N/A | 20-DRU-16 |
| 2403-20-20 | IN-IN | 2000-6 | 20-20 HBZ | 20SC20 | DUA 20 | 20U | 762L-1-1/4-1-1/4 | CUA-20 | 20-DU |
| 2403-24-20 | IN-IN | 2400-6-20 | 24-20 HBZ | 24RU20 | DUR 24-20 | 24RU20 | 763L-1-1/2-1-1/4 | #N/A | 24-DRU-20 |
| 2403-24-24 | IN-IN | 2400-6 | 24-24 HBZ | 24SC24 | DUA 24 | 24U | 762L-1-1/2-1-1/2 | CUA-24 | 24-DU |
| | | | | | | | | | |
| 2403-32-32 | IN-IN | 3200-6 | 32-32 HBZ | 32\$032 | DUA 32 | 32U | 762L-2-2 | CUA-32 | 32-DU |
| 2404-01-01 | IN-MNPT | 100-1-1 | 1-1 FBZ | 1MSC1N | DCT1-1 | 1CM1 | 768L-1/16-1/16 | CMC-1-1N | 1-DMC-1 |
| 2404-01-02 | IN-MNPT | 100-1-2 | 1-2 FBZ | 1MSC2N | DCT 1-2 | 1CM2 | 769L-1/16-1/8 | CMC-1-2N | 1-DMC-2 |
| 2404-02-01 | IN-MNPT | 200-1-1 | 2-1 FBZ | 2MSC2N | DCT 2-1 | 2CM1 | 768L-1/8-1/16 | CMC-2-1N | 2-DMC-1 |
| 2404-02-02 | IN-MNPT | 200-1-2 | 2-2 FBZ | 2MSC2N | DCT 2-2 | 2CM2 | 768L-1/8-1/8 | CMC-2-2N | 2-DMC-2 |
| 2404-02-04 | IN-MNPT | 200-1-4 | 2-4 FBZ | 2MSC4N | DCT 2-4 | 2CM4 | 768L-1/8-1/4 | CMC-2-4N | 2-DMC-4 |
| 2404-02-06 | IN-MNPT | 200-1-6 | 2-6 FBZ | 2MSC6N | DCT2-6 | 2CM6 | 768L-1/8-3/8 | CMC-2-6N | 2-DMC-6 |
| | | | | | | | | | |
| 2404-03-02 | IN-MNPT | 300-1-2 | 3-2 FBZ | 3MSC2N | DCT 3-2 | 3CM2 | 768L-3/16-1/8 | CMC-3-2N | 3-DMC-2 |
| 2404-04-01 | IN-MNPT | 400-1-1 | 4-1 FBZ | 4MSC1N | DCT 4-1 | 4CM1 | 768L-1/4-1/16 | CMC-4-1N | 4-DMC-1 |
| 2404-04-02 | IN-MNPT | 400-1-2 | 4-2 FBZ | 4MSC2N | DCT 4-2 | 4CM2 | 768L-1/4-1/8 | CMC-4-2N | 4-DMC-2 |
| 2404-04-04 | IN-MNPT | 400-1-4 | 4-4 FBZ | 4MSC4N | DCT 4-4 | 4CM4 | 769L-1/4-1/4 | CMC-4-4N | 4-DMC-4 |
| 2404-04-06 | IN-MNPT | 400-1-6 | 4-6 FBZ | 4MSC6N | DCT 4-6 | 4CM6 | 768L-1/4-3/8 | CMC-4-6N | 4-DMC-6 |
| 2404-04-08 | IN-MNPT | 400-1-8 | 4-8 FBZ | 4MSC8N | DCT 4-8 | 4CM8 | 768L-1/4-1/2 | CMC-4-8N | 4-DMC-8 |
| | | | | | | | | | |
| 2404-05-02 | IN-MINPT | 500-1-2 | 5-2 FBZ | 5MSC2N | DCT5-2 | 5CM2 | 768L-5/16-1/8 | CMC-5-2N | 5-DMC-2 |
| 2404-05-04 | IN-MNPT | 500-1-4 | 5-4 FBZ | 5MSC4N | DCT5-4 | 5CM4 | 768L-5/16-1/4 | CMC-5-4N | 5-DMC-4 |
| 2404-06-02 | IN-MNPT | 600-1-2 | 6-2 FBZ | 6MSC2N | DCT 6-2 | 6CM2 | 768L-3/8-1/8 | CMC-6-2N | 6-DMC-2 |
| 2404-06-04 | IN-MNPT | 600-1-4 | 6-4 FBZ | 6MSC4N | DCT 6-4 | 6CM4 | 768L-3/8-1/4 | CMC-6-4N | 6-DMC-4 |
| 2404-06-06 | IN-MNPT | 600-1-6 | 6-6 FBZ | 6MSC6N | DCT6-6 | 6CM6 | 768L-3/8-3/8 | CMC-6-6N | 6-DMC-6 |
| 2404-06-08 | IN-MNPT | 600-1-8 | 6-8 FBZ | 6MSC8N | DCT 6-8 | 6CM8 | 768L-3/8-1/2 | CMC-6-8N | 6-DMC-8 |
| 2404-06-12 | IN-MINPT | 600-1-12 | 6-12 FBZ | 6MSC12N | DCT 6-12 | 6CM12 | 768L-3/8-3/4 | CMC-6-12N | 6-DMC-12 |
| | | | | | | | | | |
| 2404-08-02 | IN-MNPT | 810-1-2 | 8-2 FBZ | 8MSC2N | DCT8-2 | 8CM2 | 768L-1/2-1/8 | CMC-8-2N | 8-DMC-2 |
| 2404-06-04 | IN-MNPT | 810-1-4 | 8-4 FBZ | 8MSC4N | DCT8-4 | 8CM4 | 768L-1/2-1/4 | CMC-8-4N | 8-DMC-4 |
| 2404-06-06 | IN-MNPT | 810-1-6 | 8-6 FBZ | 8MSC6N | DCT 8-6 | 8CM6 | 768L-1/2-3/8 | CMC-8-6N | 8-DMC-6 |
| 2404-06-08 | IN-MNPT | 810-1-8 | 8-8 FBZ | 8MSC8N | DCT8-8 | 8CM8 | 768L-1/2-1/2 | CMC-8-8N | 8-DMC-8 |
| 2404-06-12 | IN-MNPT | 810-1-12 | 8-12 FBZ | 8MSC12N | DCT 8-12 | BCM12 | 768L-1/2-3/4 | CMC-8-12N | 8-DMC-12 |
| 404-08-16 | IN-MNPT | | 8-16 FBZ | 8MSC16N | DCT 8-16 | 8CM16 | 768L-1/2-1 | CMC-8-16N | 8-DMC-16 |
| | | 810-1-16 | | | | | | | |
| 404-10-06 | IN-MNPT | 1010-1-6 | 10-6 FBZ | 10MSC6N | DCT 10-6 | 10CM6 | 768L-5/8-3/8 | CMC-10-6N | 10-DMC-6 |
| 2404-10-08 | IN-MNPT | 1010-1-8 | 10-8 FBZ | 10MSC8N | DCT 10-8 | 10CM8 | 768L-5/8-1/2 | CMC-10-8N | 10-DMC-8 |
| 2404-12-06 | IN-MNPT | 1210-1-6 | 12-6 FBZ | 12MSC6N | DCT 12-6 | 12CM6 | 768L-3/4-3/8 | CMC-12-6N | 12-DMC-6 |
| 2404-12-08 | IN-MNPT | 1210-1-8 | 12-8 FBZ | 12MSC8N | DCT 12-8 | 12CM8 | 768L-3/4-1/2 | CMC-12-8N | 12-DMC-8 |
| 2404-12-12 | IN-MNPT | 1210-1-12 | 12-12 FBZ | 12MSC12N | DCT 12-12 | 12CM12 | 768L-3/4-3/4 | CMC-12-12N | 12-DMC-12 |
| | | | | | DCT 12-16 | | 768L-3/4-1 | CMC-12-16N | 12-DMC-12 |
| 2404-12-16 | IN-MNPT | 1210-1-16 | 12-16 FBZ | 12MSC16N | | 12CM16 | | | |
| 2404-14-12 | IN-MNPT | 1410-1-12 | 14-12 FBZ | 14MSC12N | DCT 14-12 | 14CM12 | 768L-7/8-3/4 | CMC-14-12N | 14-DMC-12 |
| 2404-16-08 | IN-MNPT | 1610-1-8 | 16-8 FBZ | 16MSC8N | DCT 16-8 | 16CM8 | 768L-1-1/2 | CMC-16-8N | 16-DMC-8 |
| 404-16-12 | IN-MNPT | 1610-1-12 | 16-12 FBZ | 16MSC12N | DCT 16-12 | 16CM12 | 768L-1-3/4 | CMC-16-12N | 16-DMC-12 |



| IC Hydraulics lo. | Description | Swagelok | Parker | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lak | CBC-LC |
|------------------------------|-----------------------|----------------------------|-------------|-----------------|------------------------|---------|-------------------|-------------|-------------|
| 2404-16-16 | IN-MNPT | 1610-1-16 | 16-16 FBZ | 16MSC16N | DCT 16-16 | 16CM16 | 768L-1-1 | CMC-16-16N | 16-DMC-16 |
| 2404-20-16 | IN-MNPT | 2000-1-16 | 20-16 FBZ | 20MSC16N | DCT 20-16 | 20CM16 | 768L-1-1/4-1 | CMC-20-16N | 20-DMC-16 |
| 2404-20-20 | IN-MNPT | 2000-1-20 | 20-20 FBZ | 20MSC20N | DCT 20-20 | 20CM20 | 768L-1-1/4-1-1/4 | CMC-20-20N | 20-DMC-20 |
| 2404-24-24 | IN-MNPT | 2400-1-24 | 24-24 FBZ | 24M9C24N | DCT24-24 | 24CM24 | 768L-1-1/2-1-1/2 | CMC-24-24N | 24-DMC-24 |
| 2404-32-32 | IN-MNPT | 3200-1-32 | 32-32 FBZ | 32MSC32N | DCT 32-32 | 32CM32 | 768L-2-2 | CMC-32-32N | 32-DMC-32 |
| 2404-01-01-BT | N-MNPT Bore Through | 100-1-1BT | 1-1 FH4BZ | 1MTC1N | DCZ 1-1 | 1CMT1 | 768L 1/16X1/16 TC | CMCT-1-1N | 1-DMC-1-BT |
| | | | | | | | | | |
| 2404-01-02-BT | N-MNPT Bore Through | 100-1-2BT | 1-2 FH4BZ | 1MTC2N | DCZ1-2 | 1CMT2 | 768L 1/16X1/8 TC | CMCT-1-2N | 1-DMC-2-BT |
| 2404-02-02-BT | IN-MINPT Bore Through | 200-1-2BT | 2-2 FH4BZ | 2MTC2N | DCZ 2-2 | 2CMT2 | 768L 1/8X1/8 TC | CMCT-2-2N | 2-DMC-2-BT |
| 2404-02-04-BT | IN-MINPT Bore Through | 200-1-4BT | 2-4 FH4BZ | 2MTC4N | DCZ 2-4 | 2CMT4 | 768L 1/8X1/4 TC | CMCT-2-4N | 2-DMC-4-BT |
| 2404-03-02-BT | IN-MINPT Bore Through | 300-1-2BT | 3-2 FH4BZ | 3MTC2N | DCZ 3-2 | 3CMT3 | 768L 3/16X1/8 TC | CMCT-3-2N | 3-DMC-2-BT |
| 2404-03-04-BT | IN-MNPT Bore Through | 300-1-4BT | 3-4 FH4BZ | 3MTC4N | DCZ 3-4 | 3CMT4 | 768L3/16X1/4TC | CMCT-3-4N | 3-DMC-4-BT |
| 404-04-02-BT | IN-MNPT Bore Through | 400-1-2BT | 4-2 FH4BZ | 4MTC2N | DCZ 4-2 | 4CMT2 | 768L 1/4X1/8 TC | CMCT-4-2N | 4-DMC-2-BT |
| 404-04-04-BT | IN-MNPT Bore Through | 400-1-4BT | 4-4 FH4BZ | 4MTC4N | DCZ 4-4 | 4CMT4 | 768L 1/4X1/4 TC | CMCT-4-4N | 4-DMC-4-BT |
| 404-04-06-BT | IN-MNPT Bore Through | 400-1-6BT | 4-6 FH4BZ | 4MTC6N | DCZ 4-6 | 4CMT6 | 768L 1/4X3/8 TC | CMCT-4-6N | 4-DMC-6-BT |
| 404-04-08-BT | IN-MINPT Bore Through | 400-1-8BT | 4-8 FH4BZ | 4MTC8N | DCZ4-8 | 4CMT8 | 768L 1/4X1/2 TC | CMCT-4-8N | 4-DMC-8-BT |
| 404-05-04-BT | IN-MINPT Bore Through | 500-1-4BT | 5-4 FH4BZ | 5MTC4N | DCZ5-4 | 5CMT4 | 768L 5/16X1/4 TC | CMCT-5-4N | 5-DMC-4-BT |
| | | | | | DCZ5-8 | | | CMCT-5-8N | |
| 404-05-08-BT | N-MNPT Bore Through | 500-1-8BT | 5-8 FH4BZ | 5MTC8N | DCZ 6-4 | 5CMT8 | 768L 5/16X1/2 TC | | 5-DMC-8-BT |
| 404-06-04-BT | IN-MINPT Bore Through | 600-1-4BT | 6-4 FH4BZ | 6MTC4N | | 6CMT4 | 768L 3/8X1/4 TC | CMCT-6-4N | 6-DME-4-BT |
| 404-06-06-BT | N-MNPT Bore Through | 600-1-6BT | 6-6 FH4BZ | 6MTC6N | DCZ6-6 | 6CMT6 | 768L 3/8X3/8 TC | CMCT-6-6N | 6-DMC-6-BT |
| 404-06-08-BT | N-MNPT Bore Through | 600-1-8BT | 6-8 FH4BZ | 6MTC8N | DCZ6-8 | 6CMT8 | 768L 3/8X1/2 TC | CMCT-6-8N | 6-DMC-8-BT |
| 404-08-06-BT | IN-MNPT Bore Through | 810-1-6BT | 8-6 FH4BZ | 8MTC6N | DCZ8-6 | BCMT6 | 768L 1/2X3/8 TC | CMCT-8-6N | 8-DMC-6-BT |
| 404-08-08-BT | IN-MNPT Bore Through | 810-1-8BT | 8-8 FH4BZ | 8MTC8N | DCZ 8-8 | 9CMT8 | 768L 1/2X1/2 TC | CMCT-8-8N | 8-DMC-8-BT |
| 404-08-12-BT | IN-MINPT Bore Through | 810-1-12BT | 8-12 FH4BZ | 8MTC12N | DCZ 8-12 | 8CMT12 | 768L 1/2X3/4 TC | CMCT-8-12N | 8-DMC-12-BT |
| 404-10-08-BT | N-MNPT Bore Through | 1010-1-8BT | 10-8 FH4BZ | 10MTC8N | DCZ 10-8 | 10CMT8 | 768L 5/8X1/2 TC | CMCT-10-8N | 10-DMC-8-BT |
| 404-10-12-BT | IN-MNPT Bore Through | 1010-1-12BT | 10-12 FH4BZ | 10MTC12N | DCZ 10-12 | 10CMT12 | 768L 5/8X3/4 TC | CMCT-10-12N | 10-DMC-12-B |
| 404-12-08-BT | IN-MNPT Bore Through | 1210-1-8BT | 12-8 FH4BZ | 12MTC8N | DCZ 12-8 | 12CMT8 | 768L 3/4X1/2 TC | CMCT-12-8N | 12-DMC-8 |
| 404-12-10-61 404-12-12-BT | IN-MNPT Bare Through | | 12-12 FH4BZ | 12MTC12N | DCZ 12-12 | 12CMT12 | 768L 3/4X3/4 TC | CMCT-12-12N | 12-DMC-12 |
| | | 1210-1-12BT 1210-1-16BT | | | DCZ 12-12 DCZ 12-16 | | 768L 3/4X1 TC | CMCT-12-12N | 12-DMC-12 |
| 404-12-16-BT | IN-MNPT Bore Through | | 12-16 FH4BZ | 12MTC16N | | 12CMT16 | | | |
| 404-14-12-BT | IN-MNPT Bore Through | 1410-1-12BT | 14-12 FH4BZ | 14MTC12N | DCZ 14-12 | 14CMT12 | 768L 7/8X3/4 TC | CMCT-14-12N | 14-DMC-12 |
| 404-14-16-BT | IN-MNPT Bore Through | 1410-1-16BT | 14-16 FH4BZ | 14MTC16N | DCZ 14-16 | 14CMT16 | 768L 7/8X1 TC | CMCT-14-16N | 14-DMC-16 |
| 404-16-12-BT | IN-MNPT Bore Through | 1610-1-12BT | 16-12 FH4BZ | 16MTC12N | DCZ 16-12 | 16CMT12 | 768L 1X3/4 TC | CMCT-16-12N | 16-DMC-12 |
| 404-16-16-BT | IN-MNPT Bare Through | 1610-1-16BT | 16-16 FH4BZ | 16MTC16N | DCZ 16-16 | 16CMT16 | 768L 1X1 TC | CMCT-16-16N | 16-DMC-16 |
| 405-01-01 | IN-FNPT | 100-7-1 | 1-1 GBZ | 1FSC1N | DSA 1-1 | 1CF1 | 766L-1/16-1/16 | CFC-1-1N | 1-DFC-1 |
| 405-01-02 | IN-FNPT | 100-7-2 | 1-2 GBZ | 1FSC2N | DSA1-2 | 1CF2 | 766L-1/16-1/8 | CFC-1-2N | 1-DFC-2 |
| 405-02-02 | IN-FNPT | 200-7-2 | 2-2 GBZ | 2FSC2N | DSA 2-2 | 20F2 | 766L-1/8-1/8 | CFC-2-2N | 2-DFC-2 |
| 405-02-04 | IN-FNPT | 200-7-4 | 2-4 GBZ | 2FSC4N | DSA 2-4 | 2CF4 | 766L-1/8-1/4 | CFC-2-4N | 2-DFC-4 |
| 405-03-02 | IN-FNPT | 300-7-2 | 3-2 GBZ | 3FSC2N | DSA 3-2 | 3CF2 | 766L-3/16-1/8 | CFC-3-2N | 3-DFC-2 |
| | | | | | | | | | |
| 405-04-02 | IN-FNPT | 400-7-2 | 4-2 GBZ | 4FSC2N | DSA 4-2 | 4CF2 | 766L-1/4-1/8 | CFC-4-2N | 4-DFC-2 |
| 405-04-04 | IN-FNPT | 400-7-4 | 4-4 GBZ | 4FSC4N | DSA 4-4 | 4CF4 | 766L-1/4-1/4 | CFC-4-4N | 4-DFC-4 |
| 2405-04-06 | IN-FNPT | 400-7-6 | 4-6 GBZ | 4FSC6N | DSA 4-6 | 4CF6 | 766L-1/4-3/8 | CFC-4-6N | 4-DFC-6 |
| 2405-04-08 | IN-FNPT | 400-7-8 | 4-B GBZ | 4FSC8N | DSA 4-8 | 4CF8 | 766L-1/4-1/2 | CFC-4-8N | 4-DFC-B |
| 405-05-02 | IN-FNPT | 500-7-2 | 5-2 GBZ | 5FSC2N | DSA 5-2 | 5CF2 | 766L-5/16-1/8 | CFC-5-2N | 5-DFC-2 |
| 405-05-04 | IN-FNPT | 500-7-4 | 5-4 GBZ | 5FSC4N | DSA5-4 | 5CF4 | 766L-5/16-1/4 | CFC-5-4N | 5-DFC-4 |
| 405-06-02 | IN-FNPT | 600-7-2 | 6-2 GBZ | 6FSC2N | DSA 6-2 | 6CF2 | 766L-3/8-1/8 | CFC-6-2N | 6-DFC-2 |
| 405-06-04 | IN-FNPT | 600-7-4 | 6-4 GBZ | 6FSC4N | DSA 6-4 | 6CF4 | 766L-3/8-1/4 | CFC-6-4N | 6-DFC-4 |
| 405-06-06 | IN-FNPT | 600-7-6 | 6-6 GBZ | 6FSC6N | DSA 6-6 | 6CF6 | 766L-3/8-3/8 | CFC-6-6N | 6-DFC-6 |
| 405-06-08 | IN-FNPT | 600-7-8 | 6-8 GBZ | 6FSC8N | DSA 6-8 | 6CF8 | 766L-3/8-1/2 | CFC-6-8N | 6-DFC-8 |
| | | | | | | 8CF4 | | CFC-8-4N | |
| 405-08-04 | IN-FNPT | 810-7-4 | 8-4 GBZ | 8FSC4N | DSA 8-4 | 0074 | 766L-1/2-1/4 | | 8-DFC-4 |
| 405-08-06 | IN-FNPT | 810-7-6 | 8-6 GBZ | 8FSC6N | DSA 8-6 | 8CF6 | 766L-1/2-3/6 | CFC-8-6N | 8-DFC-6 |
| 405-08-08 | IN-FNPT | 810-7-8 | 8-8 GBZ | 8FSC8N | DSA 8-8 | 8CF8 | 766L-1/2-1/2 | CFC-8-8N | 8-DFC-8 |
| 405-08-12 | IN-FNPT | 810-7-12 | 8-12 GBZ | 8FSC12N | DSA 8-12 | 8CF12 | 766L-1/2-3/4 | CFC-8-12N | 8-DFC-12 |
| 405-10-06 | IN-FNPT | 1010-7-6 | 10-6 GBZ | 10FSC6N | DSA 10-6 | 10CF6 | 766L-5/8-3/8 | CFC-10-6N | 10-DFC-6 |
| 405-10-08 | IN-FNPT | 1010-7-8 | 10-8 GBZ | 10FSC8N | DSA 10-8. | 10CF8 | 766L-5/8-1/2 | CFC-10-8N | 10-DFC-8 |
| 405-12-08 | IN-FNPT | 1210-7-8 | 12-8 GBZ | 12FSC8N | DSA 12-8 | 12CF8 | 766L-3/4-1/2 | CFC-12-8N | 12-DFC-8 |
| 405-12-12 | IN-FNPT | 1210-7-12 | 12-12 GBZ | 12FSC12N | DSA 12-12 | 12CF12 | 766L-3/4-3/4 | CFC-12-12N | 12-DFC-12 |
| 405-14-12 | IN-FNPT | 1410-7-12 | 14-12 GBZ | 14FSC12N | DSA 14-12 | 14CF12 | 766L-7/8-3/4 | CFC-14-12N | 14-DFC-12 |
| 405-16-12 | IN-FNPT | 1610-7-12 | 16-12 GBZ | 16F9C12N | DSA 16-12 | 16CF12 | 766L-1-3/4 | CFC-16-12N | 16-DFC-12 |
| | IN-FNPT | | | | | | | | 16-DFC-16 |
| 405-16-16 | | 1610-7-16 | 16-16 GBZ | 16FSC16N | DSA 16-16 | 16CF16 | 766L-1-1 | CFC-16-16N | |
| 405-20-20 | IN-FNPT | 2000-7-20 | 20-20 GBZ | 20FSC20N | DSA 20-20 | 20CF20 | 766L-1-1/4-1-1/4 | CFC-20-20N | 20-DFC-20 |
| 405-24-24 | IN-FNPT | 2400-7-24 | 24-24 GBZ | 24FSC24N | DSA 24-24 | 24CF24 | 766L-1-1/2-1/1/2 | CFC-24-24N | 24-DFC-24 |
| 406-02-04 | TUBE RED | 200-R-4 | 4-2 TRBZ | 4TUR2 | DRE 2-4 | 294 | 767LT-1/8-1/4 | CR-2-4 | 2-DRATT-4 |
| 406-04-02 | TUBE RED | 400-R-2 | 2-4 TRBZ | 2TUR4 | DRE 4-2 | 4R2 | 767LT-1/4-1/8 | CR-4-2 | 4-DRATT-2 |
| 406-04-04 | TUBE RED | 400-R-4 | 4-4 TRBZ | 4TUR4 | DRE 4-4 | 4R4 | 767LT-1/4-1/4 | CR-4-4 | 4-DRATT-4 |
| 406-04-06 | TUBE RED | 400-R-6 | 6-4 TRBZ | 6TUR4 | DRE 4-6 | 4R6 | 767LT-1/4-3/8 | CR-4-6 | 4-DRATT-6 |
| 406-04-08 | TUBE RED | 400-R-8 | 8-4 TR8Z | 8TUR4 | DRE 4-8 | 4R8 | 767LT-1/4-1/2 | CR-4-8 | 4-DRATT-8 |
| 406-05-06 | TUBE RED | 500-R-6 | 6-5 TRBZ | 6TUR5 | DRE5-6 | 5R6 | 767LT-5/16-3/8 | CR-5-6 | 5-DRATT-6 |
| 406-05-08 | TUBE RED | 500-R-8 | 8-5 TRBZ | 8TUR5 | DRE5-8 | 5R8 | 767LT-5/16-1/2 | CR-5-8 | 5-DRATT-8 |
| | TUBE RED | | 6-2 TRBZ | 6TUR2 | DRE 6-2 | 6R2 | 767LT-3/16-1/2 | CR-6-2 | 6-DRATT-2 |
| 406-06-02 | | 200-R-6 | | | | | | | |
| 406-06-04 | TUBE RED | 600-R-4 | 4-6 TRBZ | 4TUR6 | DRE 6-4 | 6R4 | 767LT-3/8-1/4 | CR-6-4 | 6-DRATT-4 |
| 406-06-06 | TUBE RED | 600-R-6 | 6-6 TRBZ | 6TUR6 | DRE 6-6 | 6R6 | 767LT-3/8-3/8 | CR-6-6 | 6-DRATT-6 |
| 406-06-08 | TUBE RED | 600-R-8 | 8-6 TRBZ | 8TUR6 | DRE6-8 | 6A8 | 767LT-3/8-1/2 | CR-6-8 | 6-DRATT-8 |
| 406-06-02 | TUBE RED | 810-R-2 | 2-8 TRBZ | 8TUR2 | DRE8-2 | 8R2 | 767LT-1/2-1/8 | CR-8-2 | 8-DRATT-2 |
| 406-08-04 | TUBE RED | 810-R-4 | 4-8 TRBZ | 4TUR8 | DRE8-4 | 8A4 | 767LT-1/2-1/4 | CR-8-4 | 8-DRATT-4 |
| 406-06-06 | TUBE RED | 810-R-6 | 6-8 TRBZ | 6TUR8 | DRE8-6 | 8R6 | 767LT-1/2-3/8 | CR-8-6 | 8-DRATT-6 |
| 406-08-08 | TUBE RED | 810-R-8 | 8-8 TRBZ | 8TUR8 | DRE8-8 | 8R8 | 767LT-1/2-1/2 | CR-8-8 | 8-DRATT-8 |



| QC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lok | CBC-LO |
|----------------------|----------------|--------------|----------------|-----------------|-----------|---------|-------------------|------------|--------------|
| N2406-08-12 | TUBE RED | 810-R-12 | 12-8 TRBZ | 12TUR8 | DRE 8-12 | 8R12 | 767LT-1/2-3/4 | CR-8-12 | 8-DRATT-12 |
| 12406-08-16 | TUBERED | 810-R-16 | 16-8 TRBZ | 16TUR8 | DRE 8-16 | 8R16 | 767LT-1/2-1 | CR-8-16 | 8-DRATT-16 |
| 12406-10-12 | TUBERED | 1010-R-12 | 12-10 TRBZ | 12TUR10 | DRE 10-12 | 10R12 | 767LT-5/8-3/4 | CR-10-12 | 10-DRATT-12 |
| 2406-10-14 | TUBE RED | 1010-R-14 | 14-10 TRBZ | 14TUR10 | DRE 10-14 | 10R14 | 767LT-5/8-7/8 | CR-10-14 | 10-DRATT-14 |
| 2406-12-16 | TUBE RED | 1210-R-16 | 16-12 TRBZ | 16TUR12 | DRE 12-16 | 12R16 | 767LT-3/4-1 | CR-12-16 | 12-DRATT-16 |
| 2406-16-20 | TUBE RED | 1610-R-20 | 20-16 TRBZ | 20TUR16 | DRE 16-20 | 16R20 | 767LT-1-1/4 | CR-16-20 | 16-DRATT-20 |
| 2406-16-24 | TUBE RED | 1610-R-24 | 24-16 TRBZ | 24TUR16 | DRE 16-24 | 16R24 | 767LT-1-1/1/2 | CR-16-24 | 16-DRATT-24 |
| | | | | | | | | | |
| 2406-24-16 | TUBE RED | 2400-R-16 | 16-24 TRBZ | 16TUR24 | DRE 24-16 | 24R16 | 767LT-11/2-1 | CR-24-16 | 24-DRATT-16 |
| 2408-01 | IN CAP | 100-C | 1 PNZ | 1BLEN1 | DCA1 | 1CP | 7108L-1/16-1/16 | CCA-1 | 1-DCAP |
| 2408-02 | IN CAP | 200-C | 2 PNZ | 28LEN2 | DCA 2 | 2CP | 7108L-1/8-1/8 | CCA-2 | 2-DCAP |
| 2408-03 | IN CAP | 300-C | 3 PNZ | 38LEN3 | DCA3 | 3CP | 7108L-3/16-3/16 | CCA-3 | 3-DCAP |
| 2408-04 | IN CAP | 400-C | 4 PNZ | 4BLEN4 | DCA 4 | 4CP | 7108L-1/4-1/4 | CCA-4 | 4-DCAP |
| 2408-05 | IN CAP | 500-C | 5 PNZ | 5BLEN5 | DCA5 | 5CP | 7108L-5/16-5/16 | CCA-5 | 5-DCAP |
| 2408-06 | N CAP | 600-C | 6 PNZ | 6BLEN6 | DCA 6 | 6CP | 7108L-3/8-3/8 | CCA-6 | 6-DCAP |
| 2408-08 | NCAP | 810-C | 8 PNZ | 8BLEN8 | DCA B | 8CP | 7108L-1/2-1/2 | CCA-8 | 8-DCAP |
| 2408-10 | N CAP | | 10 PNZ | 10BLEN10 | | 10CP | | CCA-10 | 10-DCAP |
| | | 1010-C | | | DCA 10 | | 7108L-5/8-5/8 | | |
| 2408-12 | IN CAP | 1210-C | 12 PNZ | 128LEN12 | DCA 12 | 12CP | 7108L-3/4-3/4 | CCA-12 | 12-DCAP |
| 2408-14 | IN CAP | 1410-C | 14 PNZ | 14BLEN14 | DCA 14 | 14CP | 7108L-7/8-7/8 | CCA-14 | 14-DCAP |
| 2408-16 | IN CAP | 1610-C | 16 PNZ | 168LEV16 | DCA 16 | 16CP | 7108L-1-1 | CCA-16 | 16-DCAP |
| 2408-20 | IN CAP | 2000-C | 20 PNZ | 208LEN20 | DCA 20 | 20CP | 7108L-1-1/4-1-1/4 | CCA-20 | 20-DCAP |
| 2408-24 | IN CAP | 2400-C | 24 PNZ | 24BLEN24 | DCA 24 | 24CP | 7108L-1-1/2-1/1/2 | CCA-24 | 24-DCAP |
| 2408-32 | IN CAP | 3200-C | 32 PNZ | 32BLEN32 | DCA 32 | 32CP | 7108L-2-2 | OCA-32 | 32-DCAP |
| 2425-02-02 | IN-BW | 200-1-2W | 2-1/8 ZHBW2 | 2-1/8 ZHLW2 | DCB 2-2 | 2CBW2 | 768LN-1/8-1/8 | CWC-2-2P | 2-DTBW-2 |
| | | | | | | | | | 4-DTBW-2 |
| 2425-04-02 | IN-BW | 400-1-2W | 4-1/8 ZHBW2 | 4-1/8 ZHLW2 | DCB 4-2 | 4CBW2 | 768LN-1/4-1/8 | CWC-4-2P | |
| 2425-04-04 | IN-BW | 400-1-4W | 4-1/4 ZHBW2 | 4-1/4 ZHLW2 | DCB 4-4 | 4CBW4 | 768LN-1/4-1/4 | CWC-4-4P | 4-DTBW-4 |
| 2425-05-02 | IN-BW | 500-1-2W | 5-1/8 ZHBW2 | 5-1/8 ZHLW2 | DCB 5-2 | 5CBW2 | 768LN-5/16-1/8 | CWC-5-2P | 5-DTBW-2 |
| 2425-05-04 | IN-BW | 500-1-4W | 5-1/4 ZHBW2 | 5-1/4 ZHLW2 | DCB 5-4 | 5CBW4 | 768LN-5/16-1/4 | CWC-5-4P | 5-DTBW-4 |
| 2425-06-04 | IN-BW | 600-1-4W | 6-1/4 ZHBW2 | 6-1/4 ZHLW2 | DCB 6-4 | 6CBW4 | 768LN-3/8-1/4 | CWC-6-4P | 6-DTBW-4 |
| 2425-06-06 | IN-BW | 600-1-6W | 6-3/8 ZHBW2 | 6-3/8 ZHLW2 | DCB 6-6 | 6CBW6 | 768LN-3/8-3/8 | CWC-6-6P | 6-DTBW-6 |
| 2425-06-08 | N-BW | 600-1-8W | 6-1/2 ZHBW2 | 6-1/2 ZHLW2 | DCB 6-8 | 6CBW8 | 768LN-3/8-1/2 | CWC-6-8P | 6-DTBW-8 |
| | | | | | | | | CWC-8-6P | 8-DTBW-6 |
| 2425-08-06 | IN-BW | 810-1-6W | 8-3/8 ZHBW2 | 8-3/8 ZHLW2 | DCB 8-6 | BCBW6 | 768LN-1/2-3/8 | | |
| 2425-08-08 | IN-BW | 810-1-8W | 8-1/2 ZHBW2 | 8-1/2 ZHLW2 | DCB 8-8 | BCBW8 | 768LN-1/2-1/2 | CWC-8-8P | 8-DTBW-8 |
| 2425-08-12 | IN-BW | 810-1-12W | 8-3/4 ZHBW2 | 8-3/4 ZHLW2 | DCB 8-12 | 8CBW12 | 768LN-1/2-3/4 | CWC-8-12P | 8-DTBW-12 |
| 2425-10-08 | IN-BW | 1010-1-8W | 10-1/2 ZHBW2 | 10-1/2 ZHLW2 | DCB 10-8 | 10CBW8 | 768LN-5/8-1/2 | CWC-10-8P | 10-DTBW-8 |
| 2425-12-12 | IN-BW | 1210-1-12W | 12-3/4 ZHBW2 | 12-3/4 ZHLW2 | DCB 12-12 | 12CBW12 | 768LN-3/4-3/4 | CWC-12-12P | 12-DTBW-12 |
| 2425-16-16 | IN-BW | 1610-1-16W | 16-1 ZHBW2 | 16-1 ZHLW2 | DCB 16-16 | 16CBW16 | 768LN-1-1 | CWC-16-16P | 16-DTBW-16 |
| 2425-20-20 | IN-BW | 2000-1-20W | 20-1-1/4 ZHBW2 | 20-1-1/4 ZHLW2 | DCB 20-20 | 20CBW20 | 768LN-1-1/4-1-1/4 | CWC-20-20P | 20-DTBW-20 |
| 2425-24-24 | IN-BW | 2400-1-24W | 24-1-1/2 ZHBW2 | 24-1-1/2 ZHLW2 | DCB 24-24 | 24CBW24 | 768LN-1-1/2-1/1/2 | CWC-24-24P | 24-DTBW-24 |
| | | | | | | | | | |
| 2426-02-02 | IN-SW | 200-6-2W | 2-2 ZHBW | 2-2 Z-SSHLW | DCW 2 | 2CW2 | 768LW-1/8-1/8 | CSWC-2-2 | 2-DTSW-2 |
| 12426-04-04 | IN-SW | 400-6-4W | 4-4 ZHBW | 4-47-SSHLW | DCW 4 | 4CW4 | 768LW-1/4-1/4 | CSWC-4-4 | 4-DTSW-4 |
| 12426-06-06 | IN-SW | 600-6-6W | 6-6 ZHBW | 6-6 Z-SSHLW | DCW 6 | 6CW6 | 768LW-3/8-3/8 | CSWC-6-6 | 6-DTSW-6 |
| 2426-08-08 | IN-SW | 810-6-6W | 8-8 ZHBW | 8-8 Z-SSHLW | DCW8 | 8CW8 | 768LW-1/2-1/2 | CSWC-8-8 | 8-DTSW-8 |
| 12426-12-12 | IN-SW | 1210-6-12W | 12-12 ZHBW | 12-12 Z-SSHLW | DCW 12 | 12CW12 | 768LW-3/4-3/4 | CSWC-12-12 | 12-DTSW-12 |
| 2426-16-16 | IN-SW | 1610-6-16W | 16-16 ZHBW | 16-16 Z-SSHLW | DCW 16 | 16CW16 | 768LW-1-1 | CSWC-16-16 | 16-DTSW-16 |
| 2426-20-20 | IN-SW | 2000-6-20W | 20-20 ZHBW | 20-20 Z-SSHLW | DCW 20 | 20CW20 | 768LW-1-1/4-1-1/4 | CSWC-20-20 | 20-DTSW-20 |
| | | | | | | | | CSWC-24-24 | |
| 2426-24-24 | IN-SW | 2400-6-20W | 24-24 ZHBW | 24-24 Z-SSHLW | DCW24 | 24CW24 | 768LW-1-1/2-1/1/2 | | 24-DTSW-24 |
| 2427-04-04 | STDPIPE-MJIC | 4-TA-1-4AN | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | 4-DATANF-4 |
| 2427-06-06 | STDPIPE-MJIC | 6-TA-1-6AN | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | 6-DATANF-6 |
| 2427-08-08 | STDPIPE-MJIC | 8-TA-1-BAN | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | 8-DATANF-8 |
| 2427-12-12 | STDPIPE-MJIC | 12-TA-1-12AN | N/A# | N/A# | N/A# | N/A# | NA≢ | N/A# | 12-DATANF-12 |
| 2427-16-16 | STDPIPE-MUIC | 16-TA-1-16AN | N/A# | N/A# | N/A# | N/A# | N/A# | N/A# | 16-DATANF-16 |
| 2428-02-02 | STDPIPE-MNPT | 2-TA-1-2 | 2-2 T2HF | 2MA2N | DHA 2-2 | 2AM2 | 739LM-1/8-1/8 | CAM-2-2N | 2-DATPM-2 |
| 2428-02-04 | STDPIPE-MNPT | 2-TA-1-4 | 2-4 T2HF | 2MA4N | DHA 2-4 | 2AM4 | 739LM-1/8-1/4 | CAM-2-4N | 2-DATPM-4 |
| 2428-03-02 | STDPIPE-MNPT | 3-TA-1-2 | 3-2 T2HF | 3MA2N | DHA 3-2 | 3AM2 | 739LM-3/16-1/8 | CAM-3-2N | 3-DATPM-2 |
| | | | | | | | | | |
| 2428-03-04 | STDPIPE-MNPT | 3-TA-1-4 | 3-4 T2HF | 3MA4N | DHA 3-4 | 3AM4 | 739LM-3/16-1/4 | CAM-3-4N | 3-DATPM-4 |
| 2428-04-02 | STDPIPE-MNPT | 4-TA-1-2 | 4-2 T2HF | 4MA2N | DHA 4-2 | 4AM2 | 739LM-1/4-1/8 | CAM-4-2N | 4-DATPM-2 |
| 2428-04-04 | STDPIPE-MNPT | 4-TA-1-4 | 4-4 T2HF | 4MA4N | DHA 4-4 | 4AM4 | 739LM-1/4-1/4 | CAM-4-4N | 4-DATPM-4 |
| 2428-04-06 | STDPIPE-MNPT | 4-TA-1-6 | 4-6 T2HF | 4MA6N | DHA 4-6 | 4AM6 | 739LM-1/4-3/8 | CAM-4-6N | 4-DATPM-6 |
| 2428-04-08 | STDPIPE-MNPT | 4-TA-1-8 | 4-8 T2HF | 4MABN | DHA 4-8 | 4AM8 | 739LM-1/4-1/2 | CAM-4-8N | 4-DATPM-8 |
| 2428-05-04 | STDPIPE-MNPT | 5-TA-1-4 | 5-4 T2HF | 5MA4N | DHA5-4 | 5AM4 | 739LM-5/16-1/4 | CAM-5-4N | 5-DATPM-5 |
| 2428-06-02 | STDPIPE-MNPT | 6-TA-1-2 | 6-2 T2HF | 6MA2N | DHA 6-2 | 6AM2 | 739LM-3/8-1/8 | CAM-6-2N | 6-DATPM-2 |
| 2428-06-04 | STDPIPE-MNPT | | 6-4 T2HF | 6MA4N | DHA 6-4 | 6AM4 | 739LM-3/8-1/4 | CAM-6-4N | 6-DATPM-4 |
| | | 6-TA-1-4 | | | | | | | |
| 2428-06-06 | STDPIPE-MNPT | 6-TA-1-6 | 6-6 T2HF | 6MA6N | DHA 6-6 | 6AM6 | 739LM-3/8-3/8 | CAM-6-6N | 6-DATPM-6 |
| 2428-06-08 | STDPIPE-MNPT | 6-TA-1-8 | 6-8 T2HF | 6MABN | DHA 6-8 | 6AM8 | 739LM-3/8-1/2 | CAM-6-8N | 6-DATPM-8 |
| 2428-08-04 | STDPIPE-MNPT | 8-TA-1-4 | 8-4 T2HF | 8MA4N | DHA 8-4 | 8AM4 | 739LM-1/2-1/4 | CAM-8-4N | 8-DATPM-4 |
| 2428-08-06 | STDPIPE-MNPT | 8-TA-1-6 | 8-6 T2HF | 8MA6N | DHA 8-6 | 8AM6 | 739LM-1/2-3/8 | CAM-8-6N | 8-DATPM-6 |
| 2428-08-08 | STDPIPE-MNPT | 8-TA-1-8 | 8-8 T2HF | 8MA8N | DHA 8-8 | 8AM8 | 739LM-1/2-1/2 | CAM-8-8N | 8-DATPM-8 |
| 2428-10-08 | STDPIPE-MNPT | 10-TA-1-8 | 10-8 T2HF | 10MA8N | DHA 10-8 | 10AM8 | 739LM-5/8-1/2 | CAM-10-8N | 10-DATPM-8 |
| | | | | | | | | | |
| 2428-12-08 | STDPIPE-MNPT | 12-TA-1-8 | 12-8 T2HF | 12MABN | DHA 12-8 | 12AM8 | 739LM-3/4-1/2 | CAM-12-BN | 12-DATPM-B |
| 2428-12-12 | STDPIPE-MNPT | 12-TA-1-12 | 12-12 T2HF | 12MA12N | DHA 12-12 | 12AM12 | 739LM-3/4-3/4 | CAM-12-12N | 12-DATPM-12 |
| 2428-16-12 | STDPIPE-MNPT | 16-TA-1-12 | 16-12 T2HF | 16MA12N | DHA 16-12 | 16AM12 | 739LM-1-3/4 | CAM-16-12N | 16-DATPM-12 |
| 2428-16-16 | STDPIPE-MNPT | 16-TA-1-16 | 16-16 T2HF | 16MA16N | DHA 16-16 | 16AM16 | 739LM-1-1 | CAM-16-16N | 16-DATPM-16 |
| 2428-20-20 | STDPIPE-MNPT | 20-TA-1-20 | 20-20 T2HF | 20MA20N | DHA 20-20 | 20AM20 | 739LM-1-1/4-1-1/4 | CAM-20-20N | 20-DATPM-20 |
| 2428-24-24 | STDPIPE-MNPT | 24-TA-1-24 | 24-24 T2HF | 24MA24N | DHA 24-24 | 24AM24 | 739LM-1-1/2-1/1/2 | CAM-24-24N | 24-DATPM-24 |
| 2429-02-02 | STDPIPE-MORB | | | | | | | CAOS-2-2U | |
| | STUT IT L-WUND | 2-TA-1-2ST | 2-2 T2H0A | 2M2TU2 | N/A# | 2AOS | N∕A# | UMU0-2-20 | N/A# |



| 2429-04-04 2429-06-04 2429-06-06 2429-08-06 2429-08-10 2429-12-12 2429-16-16 2429-20-20 2429-24-24 2430-02-12 2430-04-10 2430-04-10 2430-06-10 2430-08-10 2430-08-10 2430-08-10 2430-08-10 2430-08-10 2430-08-10 2430-10-10 | STOPIPE-MORB STOPIPE-MORT | 4-TA-1-4ST 6-TA-1-4ST 6-TA-1-6 8-TA-1-6ST 8-TA-1-10ST 12-TA-1-12ST 16-TA-1-12ST 16-TA-1-20ST 20-TA-1-20ST 2-TA-7-2 2-TA-7-2 4-TA-7-2 4-TA-7-2 4-TA-7-4 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 8-TA-7-6 10-TA-7-8 10-TA-7-8 10-TA-7-8 10-TA-7-8 12-TA-7-12 12-TA-7-12 12-TA-7-12 12-TA-7-16 16-TA-7-16 | 4-4 T2HOA 6-4 T2HOA 6-6 T2HOA 6-6 T2HOA 8-8 T2HOA 8-10 T2HOA 12-12 T2HOA 12-12 T2HOA 20-20 T2HOA 20-20 T2HOA 22-2 T2HO 24-1 T2HO 22-1 T2HO 4-4 T2HO 4-4 T2HO 4-4 T2HO 4-5 T2HO 6-5 T2HO 6-6 T2HO 8-6 T2HO 8-7 T2HO 12-8 T2HO 12-8 T2HO | 4MZTU4 6MZTU4 6MZTU6 6MZTU6 6MZTU6 6MZTU10 12MZTU112 16MZTU12 24MZTU20 24MZTU24 27A2N 27A2N 47A2N 47A4N 47A6N 47A8N 67A4N 67A4N 67A6N 67A8N 87A6N 87A6N 87A6N | N/A# N/A# N/A# N/A# N/A# N/A# N/A# N/A# | 4AOS 6AOS4 6AOS 8AOS 8AOS10 12AOS 16AOS 20AOS 24AOS 2AF2 2AF4 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF8 6AF8 8AF4 | N/A# N/A# N/A# N/A# N/A# N/A# N/A# N/A# | CAGS-6-4U-316 CAGS-6-6U-316 CAGS-6-6U CAGS-8-10U CAGS-12-12U CAGS-16-16U CAGS-20-20U CAGS-24-24U CAF-2-2N CAF-2-4N CAF-4-6N CAF-4-6N CAF-4-6N CAF-6-6N CAF-6-6N CAF-8-6N | N/M+ N/M+ N/M+ N/M+ N/M+ N/M+ N/M+ N/M+ |
|---|--|---|---|---|--|--|---|--|---|
| 12429-06-06 12429-08-08 12429-08-10 12429-12-12 12429-16-16 12429-20-20 12429-16-16 12429-20-20 12429-16-16 12439-02-12 12430-02-12 12430-04-12 12430-04-16 12430-04-16 12430-06-16 12430-06-16 12430-08-10 12430-12-16 12430-16-16 12431-16-16 | STDPIPE-MORB STDPIPE-MORT STDPIPE-MORT STDPIPE-MPT STDPIPE-RNPT | 6-TA-1-6 8-TA-1-6ST 8-TA-1-6ST 12-TA-1-12ST 16-TA-1-12ST 16-TA-1-20ST 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-2 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 10-TA-7-6 12-TA-7-12 12-TA-7-16 | 6-6 T2HOA 8-8 T2HOA 8-8 T2HOA 12-12 T2HOA 16-16 T2HOA 10-16 T2HOA 20-20 T2HOA 24-24 T2HOA 22-2 T2HG 24-1 T2HG 42-1 T2HG 43-1 T2HG 44-1 T2HG 48-1 T2HG 68-1 T2HG | 6M2TU6 6M2TU6 6M2TU10 12M2TU112 16M2T115 20M2TU20 24M2TU24 2FA2N 2FA2N 4FA2N 4FA4N 4FA6N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | N/A# N/A# N/A# N/A# N/A# N/A# DHC 2-2 DHC 2-4 DHC 4-5 DHC 4-5 DHC 4-5 DHC 4-6 DHC 6-6 DHC 6-6 DHC 6-8 DHC 8-8 | 6AOS 8AOS1 8AOS10 12AOS 16AOS 20AOS 24AOS 24ACS 2AF2 2AF4 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF6 6AF6 6AF6 8AF4 | N/A# N/A# N/A# N/A# N/A# N/A# 739LF-1/8-1/8 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-1/2 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-3/8 739LF-3/8-3/8 | CAOS-6-6U CAOS-8-8U CAOS-8-10U CAOS-12-12U CAOS-16-16U CAOS-20-20U CAOS-20-20U CAF-2-2N CAF-2-2N CAF-2-4N CAF-4-2N CAF-4-8N CAF-4-6N CAF-4-6N CAF-6-6N CAF-6-8N CAF-8-8N CAF-8-8N | NAI NAI NAI NAI NAI 2-DATP-2 4-DATP-4 4-DATP-4 4-DATP-6 4-DATP-6 6-DATP-4 6-DATP-4 6-DATP-8 8-DATP-8 |
| 2429-08-08 2429-08-10 2429-16-16 2429-16-16 2429-20-20 2429-12-12 2430-02-04 2430-02-04 2430-04-10 2430-04-10 2430-06-06 2430-06-06 2430-08-06 | STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MPT STOPPE-RNPT | 8-TA-1-6ST 8-TA-1-10ST 12-TA-1-12ST 16-TA-1-16ST 20-TA-1-20ST 24-TA-1-22ST 2-TA-7-2 2-TA-7-4 4-TA-7-2 4-TA-7-4 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 8-TA-7-8 10-TA-7-8 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 8-8 T2HOA 8-10 T2HOA 12-12 T2HOA 12-12 T2HOA 16-16 T2HOA 20-20 T2HOA 24-24 T2HG 4-2 T2HG 4-2 T2HG 4-3 T2HG 4-4 T2HG 4-6 T2HG 4-8 T2HG 6-6 T2HG 6-6 T2HG 6-6 T2HG 6-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-7 T2HG 8-7 T2HG 8-8 T2HG 10-8 T2HG 10-8 T2HG | 8M2TU8 BM2TU10 12M2TU12 16M2T15 20M2TU20 24M2TU24 2FA2N 4FA2N 4FA2N 4FA6N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | N/A# N/A# N/A# N/A# N/A# N/A# DHC 2-2 DHC 2-4 DHC 4-5 DHC 4-5 DHC 4-5 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-8 | 8AOS 8AOS10 12AOS 16AOS 20AOS 2AAOS 2AF2 2AF4 4AF2 4AF4 4AF6 4AF6 4AF6 6AF4 6AF6 6AF6 6AF6 | N/A# N/A# N/A# N/A# N/A# N/A# 739LF-1/8-1/8 739LF-1/4-1/4 739LF-1/4-1/8 739LF-1/4-3/8 739LF-1/4-3/8 739LF-3/8-3/8-1/4 739LF-3/8-3/8-1/2 739LF-3/8-1/2 | CAOS-B-BU CAOS-B-10U CAOS-12-12U CAOS-16-16U CAOS-16-16U CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-2-2N CAF-4-6N CAF-4-6N CAF-4-6N CAF-4-6N CAF-5-4N CAF-5-6N CAF-6-6N CAF-6-8N CAF-6-8N CAF-8-8N | NA+ NA+ NA+ NA+ NA+ NA+ NA+ 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 6-DATPF-4 6-DATPF-4 6-DATPF-4 8-DATPF-4 |
| 2429-08-10 2429-16-16 2429-16-16 2429-24-24 2430-02-12 2430-02-04 2430-04-16 2430-04-16 2430-04-16 2430-06-16 2430-06-16 2430-08-16 2430-08-16 2430-08-16 2430-08-16 2430-12-16 2430-16-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 | STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MPT STOPPE-RIPT | 8-TA-1-IDST 12-TA-1-12ST 16-TA-1-16ST 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-2 2-TA-7-2 4-TA-7-4 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 8-10 T2HOA 12-12 T2HOA 16-16 T2HOA 20-20 T2HOA 24-24 T2HOA 2-2 T2HG 4-2 T2HG 4-2 T2HG 4-3 T2HG 4-3 T2HG 4-3 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-5 T2HG 6-5 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-7 T2HG 8-7 T2HG 10-8 T2HG | BM2TU10 12M2TU12 16M2T116 20M2TU20 24M2TU24 2FA2N 2FA4N 4FA2N 4FA4N 4FA6N 4FA6N 4FA6N 6FA4N 6FA6N 6FA6N 6FA6N 8FA8N 8FA8N | N/A# N/A# N/A# N/A# N/A# DHC 2-2 DHC 4-2 DHC 4-2 DHC 4-5 DHC 5-4 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-6 | 8A0S10 12A0S 16A0S 20A0S 24A0S 2AF2 2AF4 4AF2 4AF4 4AF6 4AF6 4AF8 5AF4 6AF6 6AF6 6AF6 6AF8 8AF4 | N/A# N/A# N/A# N/A# N/A# N/A# 739LF-1/8-1/4 739LF-1/4-1/8 739LF-1/4-1/4 739LF-3/8-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/4 739LF-3/8-3/8 | CAOS-8-10U CAOS-12-12U CAOS-16-16U CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-2-4N CAF-4-6N CAF-4-6N CAF-4-6N CAF-6-6N CAF-6-6N CAF-6-8N CAF-8-8N | NA+ NA+ NA+ NA+ NA+ NA+ NA+ 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 6-DATPF-4 6-DATPF-4 6-DATPF-4 8-DATPF-4 |
| 2429-08-10 2429-16-16 2429-16-16 2429-24-24 2430-02-12 2430-02-04 2430-04-16 2430-04-16 2430-04-16 2430-06-16 2430-06-16 2430-08-16 2430-08-16 2430-08-16 2430-08-16 2430-12-16 2430-16-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 | STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MPT STOPPE-RIPT | 8-TA-1-IDST 12-TA-1-12ST 16-TA-1-16ST 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-2 2-TA-7-2 4-TA-7-4 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 8-10 T2HOA 12-12 T2HOA 16-16 T2HOA 20-20 T2HOA 24-24 T2HOA 2-2 T2HG 4-2 T2HG 4-2 T2HG 4-3 T2HG 4-3 T2HG 4-3 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-4 T2HG 6-5 T2HG 6-5 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-7 T2HG 8-7 T2HG 10-8 T2HG | BM2TU10 12M2TU12 16M2T116 20M2TU20 24M2TU24 2FA2N 2FA4N 4FA2N 4FA4N 4FA6N 4FA6N 4FA6N 6FA4N 6FA6N 6FA6N 6FA6N 8FA8N 8FA8N | N/A# N/A# N/A# N/A# N/A# DHC 2-2 DHC 4-2 DHC 4-2 DHC 4-5 DHC 5-4 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-6 | 8A0S10 12A0S 16A0S 20A0S 24A0S 2AF2 2AF4 4AF2 4AF4 4AF6 4AF6 4AF8 5AF4 6AF6 6AF6 6AF6 6AF8 8AF4 | N/A# N/A# N/A# N/A# N/A# N/A# 739LF-1/8-1/4 739LF-1/4-1/8 739LF-1/4-1/4 739LF-3/8-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/4 739LF-3/8-3/8 | CAOS-8-10U CAOS-12-12U CAOS-16-16U CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-2-4N CAF-4-6N CAF-4-6N CAF-4-6N CAF-6-6N CAF-6-6N CAF-6-8N CAF-8-8N | NA# NA# NA# NA# NA# NA# 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 6-DATPF-4 6-DATPF-4 6-DATPF-8 8-DATPF-8 |
| 2429-12-12 2429-16-16 14229-20-20 2429-24-24 2430-02-12 2430-02-14 2430-04-10 2430-04-10 2430-04-10 2430-06-16 2430-06-16 2430-06-16 2430-08-16 2430-12-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 | STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORB STOPPE-MORT | 12-TA-1-12ST 16-TA-1-6ST 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-4 4-TA-7-2 4-TA-7-2 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 8-TA-7-6 8-TA-7-8 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 12-12 T2HOA 16-16 T2HOA 16-16 T2HOA 20-20 T2HOA 24-24 T2HG 24-1 T2HG 4-4 T2HG 4-4 T2HG 4-6 T2HG 4-8 T2HG 4-8 T2HG 6-6 T2HG 6-6 T2HG 6-8 T2HG 6-8 T2HG 8-8 T2HG 8-8 T2HG 8-8 T2HG 10-8 T2HG 10-8 T2HG | 12M2TU12 16M2T116 20M2TU20 24M2TU24 2FA2N 2FA4N 4FA2N 4FA4N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA4N 6FA4N 8FA6N 8FA6N 8FA6N | N/A# N/A# N/A# N/A# DHC 2-2 DHC 2-4 DHC 4-2 DHC 4-4 DHC 4-5 DHC 5-4 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-6 | 1240S 16A0S 20A0S 24A0S 24A2 2AF2 2AF4 4AF4 4AF6 4AF6 4AF6 6AF6 6AF6 6AF6 6 | N/A# N/A# N/A# N/A# 739LF-1/8-1/8 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-1/2 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-3/8 739LF-3/8-3/8 | CAOS-12-12U CAOS-16-16U CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-2-2N CAF-4-2N CAF-4-8N CAF-4-8N CAF-4-8N CAF-5-6N CAF-5-6N CAF-5-8N CAF-5-8N CAF-5-8N | N/A+ N/A+ N/A+ N/A+ N/A+ 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 6-DATPF-4 6-DATPF-4 6-DATPF-8 8-DATPF-4 |
| 12429-16-16 12429-20-20 12429-24-24 12430-02-12 12430-02-14 12430-04-12 12430-04-10 12430-04-10 12430-06-16 12430-06-16 12430-08-10 12430-08-10 12430-12-12 12430-12-16 12430-16-16 12430-16-12 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12430-16-16 12431-16-16 12431-16-16 | STDPIPE-MORB STDPIPE-MORB STDPIPE-MORB STDPIPE-MORB STDPIPE-MPT STDPIPE-RNPT | 16-TA-1-16ST 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-2 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 8-TA-7-6 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 16-16 T2HOA 20-20 T2HOA 24-24 T2HOA 2-2 T2HG 2-4 T2HG 4-2 T2HG 4-8 T2HG 4-8 T2HG 4-8 T2HG 6-8 T2HG 6-8 T2HG 6-8 T2HG 8-8 T2HG 8-8 T2HG 8-8 T2HG 10-8 T2HG 10-8 T2HG | 16M2T15 20M2TU20 24M2TU24 2FA2N 2FA4N 4FA2N 4FA4N 4FA6N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | N/A# N/A# N/A# N/A# DHC 2-2 DHC 2-4 DHC 4-5 DHC 4-5 DHC 4-5 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-8 DHC 8-4 DHC 8-6 | 16AOS 20AOS 24AOS 24ACS 2AF2 2AF4 4AF2 4AF6 4AF8 5AF4 6AF6 6AF6 6AF8 8AF4 | N/A# N/A# N/A# 739LF-1/8-1/4 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-3/8 739LF-1/4-1/2 739LF-3/6-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-3/8-1/2 739LF-3/8-1/2 | CAOS-16-16U CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-2-4N CAF-4-2N CAF-4-8N CAF-4-8N CAF-4-8N CAF-6-6N CAF-6-6N CAF-6-8N CAF-6-8N CAF-8-4N | N/A+ N/A+ N/A+ V-A- 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 6-DATPF-4 6-DATPF-4 6-DATPF-4 8-DATPF-4 |
| 2429-20-20 2429-24-24 2430-02-04 2430-02-04 2430-04-04 2430-04-06 2430-04-06 2430-06-06 2430-06-06 2430-06-06 2430-08-06 | STDPIPE-MORB STDPIPE-MIPT | 20-TA-1-20ST 24-TA-1-24ST 2-TA-7-2 2-TA-7-4 4-TA-7-4 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-8 10-TA-7-8 12-TA-7-8 12-TA-7-12 12-TA-7-16 | 20-20 T2HOA 24-24 T2HOA 24-21 T2HG 24-1 T2HG 44-1 T2HG 46-1 T2HG 48-1 T2HG 64-1 T2HG 66-1 T2HG 68-1 T2HG 88-1 T2HG 88-1 T2HG 88-1 T2HG 88-1 T2HG 88-1 T2HG 88-1 T2HG 88-1 T2HG | 20M2TU20 24M2TU24 2FA2N 2FA4N 4FA2N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA6N 6FA6N 8FA8N 8FA8N | N/A# N/A# DHC 2-2 DHC 2-4 DHC 4-2 DHC 4-6 DHC 4-6 DHC 5-4 DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-6 | 20AOS 24AOS 2AF2 2AF4 4AF2 4AF4 4AF6 4AF6 5AF4 6AF4 6AF6 6AF6 6AF8 8AF4 | N/A# N/A# 739LF-1/8-1/8 739LF-1/8-1/4 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-3/8 739LF-1/4-1/2 739LF-3/8-3/8-1/4 739LF-3/8-3/8-7 739LF-3/8-3/8-7 739LF-3/8-1/2 739LF-3/8-1/2 | CAOS-20-20U CAOS-24-24U CAF-2-2N CAF-4-2N CAF-4-4N CAF-4-6N CAF-4-8N CAF-5-4N CAF-5-4N CAF-6-6N CAF-6-8N CAF-6-8N | N/A+ N/A+ 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-8 5-DATPF-4 6-DATPF-4 6-DATPF-8 8-DATPF-4 |
| 2429-24-24 2430-02-04 2430-02-04 2430-04-05 2430-04-06 2430-04-06 2430-06-06 2430-06-06 2430-08-06 2430-08-06 2430-08-06 2430-08-06 2430-08-06 2430-12-16 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 | STOPPE-MORB STOPPE-RNPT | 24-TA-1-24ST 2-TA-7-2 2-TA-7-2 4-TA-7-4 4-TA-7-2 4-TA-7-6 4-TA-7-6 6-TA-7-4 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-8 8-TA-7-8 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 24-24 T2HOA 2-2 T2HG 2-4 T2HG 4-2 T2HG 4-6 T2HG 4-6 T2HG 6-4 T2HG 6-6 T2HG 6-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG | 24M2TU24 2FA2N 2FA4N 4FA2N 4FA2N 4FA6N 4FA6N 4FA6N 6FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | N/A# DHC 2-2 DHC 4-2 DHC 4-2 DHC 4-6 DHC 5-4 DHC 5-4 DHC 6-6 DHC 6-8 DHC 8-8 DHC 8-6 | 24AOS 2AF2 2AF4 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF6 6AF8 8AF4 | N/A# 739LF-1/8-1/4 739LF-1/8-1/4-1/8 739LF-1/4-1/4 739LF-1/4-1/4 739LF-1/4-1/2 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/4 739LF-3/8-1/2 739LF-3/8-1/2 | CAOS-24-24U CAF-2-2N CAF-2-4N CAF-4-2N CAF-4-6N CAF-4-8N CAF-4-8N CAF-5-4N CAF-5-6N CAF-5-6N CAF-5-8N | N/A/ 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-8 |
| 2430-02-02 2430-04-10 2430-04-10 2430-04-10 2430-04-10 2430-04-10 2430-06-04 2430-06-06 2430-06-08 2430-08-06 2430-08-06 2430-08-06 2430-12-10 2430-12-16 2430-16-16 2430-16-16 2430-16-16 2430-12-16 2430-16-16 2430-16-16 | STDPIPE-RNPT | 2-TA-7-2 2-TA-7-4 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-7-6 8-TA-7-6 8-TA-7-6 10-TA-7-8 12-TA-7-12 12-TA-7-16 | 2-2 T2+G 2-4 T2+G 4-2 T2+G 4-5 T2+G 4-6 T2+G 4-8 T2+G 6-6 T2+G 6-6 T2+G 6-8 T2+G 8-4 T2+G | 2FA2N 2FA4N 4FA2N 4FA4N 4FA6N 4FA6N 6FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | DHC 2-2 DHC 2-4 DHC 4-2 DHC 4-4 DHC 4-5 DHC 4-8 DHC 5-4 DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-6 DHC 8-6 | 2AF2 2AF4 4AF2 4AF4 4AF6 4AF8 5AF4 6AF4 6AF6 6AF8 8AF4 | 739LF-1/8-1/8 739LF-1/8-1/8 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-1/2 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-3/8-1/2 739LF-3/8-1/2 | CAF-2-2N CAF-2-4N CAF-4-2N CAF-4-4N CAF-4-6N CAF-4-6N CAF-5-4N CAF-6-6N CAF-6-6N CAF-6-6N CAF-8-4N | 2-DATPF-2 4-DATPF-4 4-DATPF-4 4-DATPF-4 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-02-04 2430-04-10 2430-04-10 2430-04-16 2430-04-16 2430-04-18 2430-05-04 2430-06-06 2430-06-06 2430-08-06 2430-08-06 2430-08-06 2430-08-06 2430-12-16 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-06-16 | STDPIPE-RNPT | 2-TA-7-4 4-TA-7-2 4-TA-7-6 4-TA-7-6 4-TA-7-6 6-TA-7-6 6-TA-7-6 6-TA-8 8-TA-7-4 8-TA-7-6 8-TA-7-8 10-TA-8 12-TA-7-8 12-TA-7-12 12-TA-7-16 | 2-4 T2HG 4-2 T2HG 4-4 T2HG 4-6 T2HG 4-8 T2HG 6-4 T2HG 6-6 T2HG 6-6 T2HG 6-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 10-8 T2HG 10-8 T2HG | 2FAAN 4FA2N 4FA4N 4FA6N 4FA8N 5FA4N 6FA4N 6FA6N 8FA6N 8FA6N 8FA6N | DHC 2-4 DHC 4-2 DHC 4-4 DHC 4-6 DHC 4-8 DHC 5-4 DHC 6-6 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 2AF4 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF6 6AF8 8AF4 | 739LF-1/8-1/4 739LF-1/4-1/8 739LF-1/4-1/4 739LF-1/4-3/8 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-3/8-1/2 | CAF-2-4N CAF-4-2N CAF-4-6N CAF-4-6N CAF-5-4N CAF-5-4N CAF-6-6N CAF-6-6N CAF-6-8N CAF-8-4N | 4-DATPF-4 4-DATPF-2 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-04-12 2430-04-10 2430-04-10 2430-04-10 2430-04-10 2430-06-10 2430-06-10 2430-06-10 2430-08-10 2430-08-10 2430-10-10 2430-12-10 2430-12-16 2430-12-16 2430-16-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-16-16 2430-16-16 2430-16-16 2430-16-16 | STDPIPE-RNPT | 4-TA-7-2 4-TA7-4 4-TA7-6 4-TA7-8 5-TA7-4 6-TA7-6 6-TA7-8 8-TA7-8 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 42 T2HG 44 T2HG 46 T2HG 48 T2HG 64 T2HG 64 T2HG 66 T2HG 68 T2HG 84 T2HG 85 T2HG 86 T2HG 10-8 T2HG | 4FA2N 4FA4N 4FA6N 4FA8N 5FA4N 6FA4N 6FA6N 8FA4N 8FA4N 8FA6N 8FA6N | DHC 4-2 DHC 4-4 DHC 4-6 DHC 4-8 DHC 5-4 DHC 6-6 DHC 6-6 DHC 8-8 DHC 8-6 | 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF6 6AF8 8AF4 | 739LF-1,4-1,/8 739LF-1,4-1,4 739LF-1,4-3,/8 739LF-1,4-1,2 739LF-5,16-1,4 739LF-3,8-1,4 739LF-3,8-3,/8 739LF-3,8-1,2 739LF-3,8-1,2 | CAF-4-2N CAF-4-6N CAF-4-6N CAF-4-8N CAF-5-4N CAF-6-6N CAF-6-6N CAF-6-8N CAF-8-4N | 4-DATPF-2 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-04-02 2430-04-06 2430-04-06 2430-04-08 2430-04-08 2430-06-04 2430-06-06 2430-08-08 2430-08-08 2430-12-08 2430-12-16 2430-12-16 2430-16-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2430-10-16 2431-06-16 | STDPIPE-RNPT | 4-TA-7-2 4-TA7-4 4-TA7-6 4-TA7-8 5-TA7-4 6-TA7-6 6-TA7-8 8-TA7-8 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 42 T2HG 44 T2HG 46 T2HG 48 T2HG 64 T2HG 64 T2HG 66 T2HG 68 T2HG 84 T2HG 85 T2HG 86 T2HG 10-8 T2HG | 4FA2N 4FA4N 4FA6N 4FA8N 5FA4N 6FA4N 6FA6N 8FA4N 8FA4N 8FA6N 8FA6N | DHC 4-2 DHC 4-4 DHC 4-6 DHC 4-8 DHC 5-4 DHC 6-6 DHC 6-6 DHC 8-8 DHC 8-6 | 4AF2 4AF4 4AF6 4AF8 5AF4 6AF6 6AF6 6AF8 8AF4 | 739LF-1,4-1,/8 739LF-1,4-1,4 739LF-1,4-3,/8 739LF-1,4-1,2 739LF-5,16-1,4 739LF-3,8-1,4 739LF-3,8-3,/8 739LF-3,8-1,2 739LF-3,8-1,2 | CAF-4-2N CAF-4-6N CAF-4-6N CAF-4-8N CAF-5-4N CAF-6-6N CAF-6-6N CAF-6-8N CAF-8-4N | 4-DATPF-2 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-04-04 2430-04-06 2430-04-08 2430-06-04 2430-06-04 2430-06-08 2430-08-08 2430-08-08 2430-08-08 2430-08-08 2430-12-18 2430-12-16 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-06-06 | STDPIPE-RNPT | 4-TA7-4 4-TA7-6 4-TA7-8 5-TA7-4 6-TA7-6 6-TA7-8 8-TA7-8 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-12 12-TA7-16 | 44 T2HG 46 T2HG 48 T2HG 54 T2HG 64 T2HG 66 T2HG 68 T2HG 84 T2HG 88 T2HG 88 T2HG 10-8 T2HG | 4FA4N 4FA6N 4FA8N 5FA4N 6FA4N 6FA6N 6FA8N 8FA4N 8FA6N 8FA6N | DHC 4-4 DHC 4-6 DHC 4-8 DHC 5-4 DHC 6-6 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 4AF4 4AF6 4AF8 5AF4 6AF4 6AF6 6AF8 8AF4 | 739LF-1/4-1/4 739LF-1/4-3/8 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-3/8 739LF-1/2-1/4 | CAF-4-4N CAF-4-6N CAF-4-8N CAF-5-4N CAF-6-6N CAF-6-6N CAF-8-4N | 4-DATPF-4 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-04-06 2430-06-04 2430-06-04 2430-06-06 2430-06-08 2430-08-06 2430-08-06 2430-08-06 2430-08-06 2430-12-06 2430-12-12 2430-12-12 2430-16-12 2430-16-12 2430-16-12 2430-16-16 2430-20-20 2431-06-06 | STOPIPE-RAPT | 4-TA7-6 4-TA7-8 5-TA7-4 6-TA7-6 6-TA7-8 8-TA7-8 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-12 12-TA7-12 | 46 T2HG 48 T2HG 54 T2HG 64 T2HG 66 T2HG 68 T2HG 84 T2HG 86 T2HG 86 T2HG 10-8 T2HG | 4FA6N 4FA8N 5FA4N 6FA4N 6FA6N 6FA8N 8FA4N 8FA4N 8FA8N | DHC 4-6 DHC 4-8 DHC 5-4 DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 4AF6 4AF8 5AF4 6AF4 6AF6 6AF8 8AF4 | 739LF-1/4-3/8 739LF-1/4-1/2 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-4-6N CAF-4-8N CAF-5-4N CAF-6-6N CAF-6-6N CAF-8-8N CAF-8-4N | 4-DATPF-6 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-04-08 2430-05-04 2430-06-04 2430-06-06 2430-08-04 2430-08-04 2430-08-06 2430-08-06 2430-08-08 2430-12-12 2430-12-16 2430-16-12 2430-16-16 2430-20-20 2431-06-06 | STDPIPE-RNPT | 4-TA7-8 5-TA7-4 6-TA7-6 6-TA7-8 8-TA7-8 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 48 T2HG 5-4 T2HG 6-4 T2HG 6-6 T2HG 8-6 T2HG 8-6 T2HG 8-6 T2HG 10-8 T2HG 10-8 T2HG 10-8 T2HG | 4FA8N 5FA4N 6FA4N 6FA6N 6FA8N 8FA4N 8FA6N 8FA8N | DHC 4-8 DHC 5-4 DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 4AF8 5AF4 6AF4 6AF6 6AF8 8AF4 | 739LF-1/4-1/2 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-4-8N CAF-5-4N CAF-6-4N CAF-6-6N CAF-8-8N CAF-8-4N | 4-DATPF-8 5-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-05-04 2430-06-04 2430-06-06 2430-08-08 2430-08-04 2430-08-06 2430-10-06 2430-12-06 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-06-16 | STOPIPE-RNPT | 5-TA7-4 6-TA7-4 6-TA7-6 6-TA7-8 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-12 12-TA7-16 | 5-4 T2HG 6-4 T2HG 6-6 T2HG 6-8 T2HG 8-4 T2HG 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 5FA4N 6FA4N 6FA6N 6FA8N 8FA4N 8FA6N 8FA8N | DHC 5-4 DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 5AF4 6AF4 6AF6 6AF8 8AF4 | 739LF-5/16-1/4 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-5-4N CAF-6-4N CAF-6-6N CAF-6-8N CAF-8-4N | 5-DATPF-4 6-DATPF-4 6-DATPF-6 6-DATPF-8 8-DATPF-4 |
| 2430-06-04 2430-06-06 2430-08-08 2430-08-08 2430-08-06 2430-08-06 2430-12-08 2430-12-12 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-06-06 | STOPIPE-RNPT | 6-TA7-4 6-TA7-6 6-TA7-8 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-12 12-TA7-16 | 6-4 T2HG 6-6 T2HG 6-8 T2HG 8-4 T2HG 8-6 T2HG 10-8 T2HG 12-8 T2HG | 6FA4N 6FA6N 6FA8N 8FA4N 8FA6N 8FA8N | DHC 6-4 DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 6AF4 6AF6 6AF8 8AF4 | 739LF-3/8-1/4 739LF-3/8-3/8 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-6-4N CAF-6-6N CAF-6-8N CAF-8-4N | 6-DATPF-4 6-DATPF-6 6-DATFP-8 8-DATPF-4 |
| 2430-06-06 2430-08-04 2430-08-04 2430-08-06 2430-08-06 2430-10-06 2430-12-12 2430-12-16 2430-16-12 2430-16-16 2430-20-20 2431-06-06 | STOPIPE-FNPT | 6-TA7-6 6-TA7-8 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 6-6 T2HG 6-8 T2HG 8-4 T2HG 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 6FA6N 6FA8N 8FA4N 8FA6N 8FA8N | DHC 6-6 DHC 6-8 DHC 8-4 DHC 8-6 | 6AF6 6AF8 8AF4 | 739LF-3/8-3/8 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-6-6N CAF-6-8N CAF-8-4N | 6-DATPF-6 6-DATFP-8 8-DATPF-4 |
| 2430-06-08 2430-08-06 2430-08-06 2430-08-06 2430-10-08 2430-12-08 2430-12-12 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-04-04 2431-06-06 | STOPPE-RNPT | 6-TA7-8 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 6-8 T2HG 8-4 T2HG 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 6FA8N 8FA4N 8FA6N 8FA8N | DHC 6-8 DHC 8-4 DHC 8-6 | 6AF8 8AF4 | 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-6-8N CAF-8-4N | 6-DATFP-8 8-DATPF-4 |
| 2430-06-08 2430-08-06 2430-08-06 2430-08-06 2430-10-08 2430-12-08 2430-12-12 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-06-16 | STOPPE-RNPT | 6-TA7-8 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 6-8 T2HG 8-4 T2HG 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 6FA8N 8FA4N 8FA6N 8FA8N | DHC 6-8 DHC 8-4 DHC 8-6 | 6AF8 8AF4 | 739LF-3/8-1/2 739LF-1/2-1/4 | CAF-6-8N CAF-8-4N | 6-DATFP-8 8-DATPF-4 |
| 2430-08-04 2430-08-06 2430-10-06 2430-12-06 2430-12-12 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2431-08-16 2431-08-16 2431-08-16 | STOPIPE-RNPT | 8-TA7-4 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 | 8-4 T2HG 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 8FA4N 8FA6N 8FA8N | DHC 8-4 DHC 8-6 | 8AF4 | 739LF-1/2-1/4 | CAF-8-4N | 8-DATPF-4 |
| 2430-08-06 2430-08-08 2430-10-08 2430-12-18 2430-12-12 2430-16-12 2430-16-16 2430-20-20 2430-20-20 2431-08-08 | STDPIPE-RNPT | 8-TA7-6 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 8-6 T2HG 8-8 T2HG 10-8 T2HG 12-8 T2HG | 8FA6N 8FA8N | DHC 8-6 | | | | 8-DATPF-6 |
| 2430-08-08 2430-10-08 2430-12-18 2430-12-12 2430-16-12 2430-16-16 2430-20-20 2430-24-24 2431-04-04 | STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT | 8-TA7-8 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 8-8 T2HG 10-8 T2HG 12-8 T2HG | 8FA8N | | DALO | | | O-DMILL-0 |
| 2430-10-08 2430-12-26 2430-12-12 2430-12-16 2430-16-16 2430-16-16 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT | 10-TA7-8 12-TA7-8 12-TA7-12 12-TA7-16 | 10-8 T2HG 12-8 T2HG | | | | | | |
| 2430-12-06 2430-12-12 2430-12-16 2430-16-12 2430-16-16 2430-20-20 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT | 12-TA7-8 12-TA7-12 12-TA7-16 | 12-8 T2HG | TOFARM | | BAF8 | 739LF-1/2-1/2 | CAF-8-8N | 8-DATPF-8 |
| 2430-12-12 2430-12-16 2430-16-12 2430-16-16 2430-20-20 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT | 12-TA7-12 12-TA7-16 | | | DHC 10-8 | 10AF8 | 739LF-5/8-1/2 | CAF-10-8N | 10-DATPF-8 |
| 12430-12-16 12430-16-12 12430-16-16 12430-20-20 12430-24-24 12431-04-04 12431-06-06 | STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT | 12-TA7-16 | 40 40 TOUR | 12FABN | DHC 12-8 | 12AF8 | 739LF-3/4-1/2 | CAF-12-8N | 12-DATPF-B |
| 2430-12-16 2430-16-12 2430-16-16 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT STOPIPE-FNPT | 12-TA7-16 | 12-12 T2HG | 12FA12N | DHC 12-12 | 12AF12 | 739LF-3/4-3/4 | CAF-12-12N | 12-DATPF-12 |
| 12430-16-12 12430-16-16 12430-20-20 12430-24-24 12431-04-04 12431-06-06 | STDPIPE-FNPT STDPIPE-FNPT STDPIPE-FNPT | | 12-16 T2HG | 12FA16N | DHC 12-16 | 12AF16 | 739LF-3/4-1 | CAF-12-16N | 12-DATPF-16 |
| 2430-16-16 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STDPIPE-FNPT STDPIPE-FNPT | | 16-16 T2HG | 16FA16N | DHC 16-16 | 16AF16 | 739LF-1-1 | CAF-16-16N | 16-DATPF-12 |
| 2430-20-20 2430-24-24 2431-04-04 2431-06-06 | STOPIPE-FNPT | | | | DHC 16-12 | 16AF12 | 739LF-1-3/4 | CAF-16-12N | |
| 2430-24-24 2431-04-04 2431-06-06 | | 16-TA7-12 | 16-12 T2HG | 16FA12N | | | | | 16-DATPF-16 |
| 2431-04-04 2431-06-06 | | 20-TA7-20 | 20-20 T2HG | 20FA20N | DHC 20-20 | 20AF20 | 739LF-1-1/4-1-1/4 | CAF-20-20N | 20-DATPF-20 |
| 2431-06-06 | STOPIPE-FNPT | 24-TA-7-24 | 24-24 T2HG | 24FA24N | DHC 24-24 | 24AF24 | 739LF-1-1/2-1/1/2 | CAF-24-24N | 24-DATPF-24 |
| | STDPIPE-FGA | 4-TA-7-4RT | N/A# | N/A# | N/A# | N/A# | N/A# | CAF-4-4G | N/A# |
| | STDPIPE-FGA | 6-TA-7-6RT | N/A# | N/A# | N/A# | N/A# | N/A# | CAF-6-6G | N/A# |
| | STDPIPE-FGA | 8-TA-7-8RT | N/A# | N/A# | N/A# | N/A# | N/A# | CAF-8-8G | N/A# |
| 2440-02-02 | STOPIPE-FERR | 201-PC | 2-2 ZPC | 2PC2 | DPC 2-2 | 2PC | 767LP-1/8-1/8 | CPC-2 | DD-2-DPCU-2 |
| 2440-04-02 | | | | | | | | | |
| | STDPIPE-FERR | 401-PC-2 | 2-4 ZPC | 2PC4 | DPC 4-2 | 4PC2 | 767LM-1/4-1/8 | CPR-4-2 | 4-DPCU-2 |
| 2440-04-04 | STDPIPE-FERR | 401-PC | 4-4 ZPC | 4PC4 | DPC 4-4 | 4PC4 | 767LM-1/4-1/4 | CPR-4 | 4-DPCU-4 |
| 12440-06-02 | STDPIPE-FERR | 601-PC-2 | 2-6 ZPC | 2P06 | DPC 6-2 | 6PC2 | 767LM-3/8-1/8 | CPR-6-2 | 6-DPCU-2 |
| 12440-06-04 | STDPIPE-FERR | 601-PC-4 | 4-6 ZPC | 4P06 | DPC 6-4 | 64PC2 | 767LM-3/8-1/4 | CPR-6-4 | 6-DPCU-4 |
| 2440-06-06 | STOPIPE-FERR | 601-PC | 6-6 ZPC | 6PC6 | DPC 6-6 | 6PC4 | 767LM-3/8-3/8 | CPR-6 | 6-DPCU-6 |
| 12440-08-04 | STDPIPE-FERR | 811-PC-4 | 4-8 ZPC | 4PC8 | DPC 8-4 | 8PC4 | 767LM-1/2-1/4 | CPR-8-4 | 8-DPCU-4 |
| 2440-08-06 | STDPIPE-FERR | 811-PC-6 | 6-8 ZPC | 6PC8 | DPC 8-6 | 8PC6 | 767LM-1/2-3/8 | CPR-8-6 | 8-DPCU-4 |
| | | | | | | | | | 8-DPCU-8 |
| 2440-08-08 | STDPIPE-FERA | 811-PC | 8-8 ZPC | BPC8 | DPC 8-8 | 8PC8 | 767LM-1/2-1/2 | CPR-8 | |
| 2440-12-08 | STOPIPE-FERR | 1211-PC-8 | 8-12 ZPC | 8PC12 | DPC 12-8 | 12PC8 | 767LM-3/4-1/2 | CPR-12-8 | 12-DPCU-8 |
| 2440-12-12 | STOPIPE-FERR | 1211-PC | 12-12 ZPC | 2PC12 | DPC 12-12 | 12PC12 | 767LM-3/4-3/4 | CPR-12 | 12-DPCU-12 |
| 2440-16-08 | STDPIPE-FERR | 1611-PC-8 | 8-16 ZPC | 8PC16 | DPC 16-8 | 16PC8 | 767LM-1-1/2 | CPR-16-8 | 16-DPCU-8 |
| 2440-16-12 | STDPIPE-FERR | 1611-PC-12 | 12-16 ZPC | 12PC16 | DPC 16-12 | 16PC12 | 767LM-1-3/4 | CPR-16-12 | 16-DPCU-12 |
| 2440-16-16 | STOPIPE-FERR | 1611-PC | 16-16 ZPC | 16PC16 | DPC 16-16 | 16PC16 | 767LM-1-1 | CPR-16 | 16-DPCU-16 |
| 2500-01-01 | IN-IN 90 | 100-9 | 1-1 EBZ | 1EE1 | DLA1 | 1LU | | CLA-1 | 1-DELU-1 |
| | | | | | | | 765L-1/16-1/16 | CLAFI | |
| 2500-02-02 | N-IN 90 | 200-9 | 2-2 EBZ | 2EE2 | DLA2 | 21.0 | 765L-1/8-1/8 | CLA-2 | 2-DELU-2 |
| 2500-03-03 | IN-IN 90 | 300-9 | 3-3 EBZ | 3EE3 | DLA3 | 3LU | 765L-3/16-3/16 | CLA-3 | 3-DELU-3 |
| 2500-04-04 | IN-IN 90 | 400-9 | 4-4 EBZ | 4EE4 | DLA4 | 4LU | 765L-1/4-1/4 | CLA-4 | 4-DELU-4 |
| 2500-05-05 | IN-IN 90 | 500-9 | 5-5 EBZ | SEE5 | DLA5 | 5LU | 765L-5/16-5/16 | CLA-5 | 5-DELU-5 |
| 2500-06-06 | IN-IN 90 | 600-9 | 6-6 EBZ | 6EE6 | DLA6 | 6LU | 765L-3/8-3/8 | CLA-6 | 6-DELU-6 |
| 2500-08-08 | N-IN 90 | 810-9 | 8-8 EBZ | 8EE8 | DLA8 | 8LU | 765L-1/2-1/2 | CLA-8 | 8-DELU-8 |
| | | | 10-10 EBZ | 10EE10 | | 10LU | 765L-5/8-5/8 | | 10-DELU-10 |
| 2500-10-10 | IN-IN 90 | 1010-9 | | | DLA 10 | | | CLA-10 | |
| 2500-12-12 | IN-IN 90 | 1210-9 | 12-12 EBZ | 12EE12 | DLA 12 | 12LU | 765L-3/4-3/4 | CLA-12 | 12-DELU-12 |
| 2500-14-14 | IN-IN 90 | 1410-9 | 14-14 EBZ | 14EE14 | DLA 14 | 14LU | 765L-7/8-7/8 | CLA-14 | 14-DELU-14 |
| 2500-16-16 | IN-IN 90 | 1610-9 | 16-16 EBZ | 16EE16 | DLA 16 | 16LU | 765L-1-1 | CLA-16 | 16-DELU-16 |
| 2500-20-20 | IN-IN 90 | 2000-9 | 20-20 EBZ | 20EE20 | DLA 20 | 20LU | 765L-1-1/4-1-1/4 | CLA-20 | 20-DELU-20 |
| 2500-24-24 | IN-IN 90 | 2400-9 | 24-24 EBZ | 24EE24 | DLA 24 | 24LU | 765L-1-1/2-1/1/2 | CLA-24 | 24-DELU-24 |
| 2500-32-32 | N-N 90 | 3200-9 | 32-32 EBZ | 32EE32 | DLA 32 | 32LU | | CLA-32 | 32-DELU-32 |
| | | | | | | | 765L-2-2 | | |
| 2501-01-01 | IN-MINPT 90 | 100-2-1 | 1-1 CBZ | 1MSEL1N | DLN 1-1 | 1LM1 | 769L-1/16-1/16 | CLMA-1-1N | 1-DME-1 |
| 2501-01-02 | IN-MNPT 90 | 100-2-2 | 1-2 CBZ | 1MSEL2N | DLN 1-2 | 1LM2 | 769L-1/16-1/8 | CLMA-1-2N | 1-DME-2 |
| 2501-02-02 | IN-MNPT 90 | 200-2-2 | 2-2 CBZ | 2MSEL2N | DLN 2-2 | 2LM2 | 769L-1/8-1/8 | CLMA-2-2N | 2-DME-2 |
| 2501-02-04 | IN-MNPT 90 | 200-2-4 | 2-4 CBZ | 2MSEL4N | DLN 2-4 | 2LM4 | 769L-1/8-1/4 | CLMA-2-4N | 2-DME-4 |
| 2501-03-02 | IN-MNPT 90 | 300-2-2 | 3-2 CBZ | 3MSEL2N | DLN 3-2 | 3LM2 | 769L-3/16-1/8 | CLMA-3-2N | 3-DME-2 |
| 2501-03-04 | N-MNPT 90 | 300-2-4 | 3-4 CBZ | 3MSEL4N | DLN 3-4 | 3LM4 | 769L-3/16-1/4 | CLMA-3-4N | 3-DME-4 |
| | | | | | | | | | |
| 2501-04-02 | IN-MNPT 90 | 400-2-2 | 4-2 CBZ | 4MSEL2N | DLN 4-2 | 4LM2 | 769L-1/4-1/8 | CLMA-4-2N | 4-DME-2 |
| 2501-04-04 | IN-MNPT 90 | 400-2-4 | 4-4 CBZ | 4MSEL4N | DLN 4-4 | 4LM4 | 769L-1/4-1/4 | CLMA-4-4N | 4-DME-4 |
| 2501-04-06 | IN-MNPT 90 | 400-2-6 | 4-6 CBZ | 4MSEL6N | DLN 4-6 | 4LM6 | 769L-1/4-3/8 | CLMA-4-6N | 4-DME-6 |
| 2501-04-08 | IN-MNPT 90 | 400-2-8 | 4-8 CBZ | 4MSEL8N | DLN 4-8 | 4LM8 | 769L-1/4-1/2 | CLMA-4-8N | 4-DME-8 |
| 2501-05-02 | IN-MNPT 90 | 500-2-2 | 5-2 CBZ | 5MSEL2N | DLN5-2 | 5LM2 | 769L-5/16-1/8 | CLMA-5-2N | 5-DME-2 |
| 2501-05-04 | IN-MNPT 90 | 500-2-2 | 5-4 CBZ | 5MSEL4N | DLN 5-4 | 5LM4 | 769L-5/16-1/4 | CLMA-5-4N | 5-DME-4 |
| | | | | | | | | | |
| 2501-06-02 2501-06-04 | IN-MNPT 90 IN-MNPT 90 | 600-2-2 600-2-4 | 6-2 CBZ 6-4 CBZ | 6MSEL2N 6MSEL4N | DLN 6-2 DLN 6-4 | 6LM2 6LM4 | 769L-3/8-1/8 769L-3/8-1/4 | CLMA-6-2N CLMA-6-4N | 6-DME-2 6-DME-4 |



| QC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lak | CBC-LO |
|----------------------|-------------|------------|----------------|-------------------|-----------|---------|------------------------------|---------------|-------------|
| 12501-06-06 | IN-MNPT 90 | 600-2-6 | 6-6 CBZ | 6MSEL6N | DLN 6-6 | 6LM6 | 769L-3/8-3/8 | CLMA-6-6N | 6-DME-6 |
| 2501-06-08 | IN-MINPT 90 | 600-2-8 | 6-8 CBZ | 6MSEL8N | DLN 6-8 | 6LM8 | 769L-3/8-1/2 | CLMA-6-8N | 6-DME-B |
| 2501-06-12 | IN-MINPT 90 | 600-2-12 | 6-12 CBZ | 6MSEL12N | DLN 6-12- | 6LM12 | 769L-3/8-3/4- | CLMA-6-12N | 6-DME-12 |
| 2501-08-02 | IN-MNPT 90 | 810-2-2 | 8-2 CBZ | 8MSEL2N | DLN 8-2 | 8LM2 | 769L-1/2-1/8 | CLMA-8-2N | 8-DME-2 |
| 2501-08-04 | IN-MNPT 90 | 810-2-4 | 8-4 CBZ | 8MSEL4N | DLN 8-4 | 8LM4 | 769L-1/2-1/4 | CLMA-8-4N | 8-DME-4 |
| 2501-08-06 | IN-MNPT 90 | 810-2-6 | 8-6 CBZ | 8MSEL6N | DLN 8-6 | 8LM6 | 769L-1/2-3/8 | CLMA-8-6N | 8-DME-6 |
| | | | | | | | | | |
| 2501-08-08 | IN-MNPT 90 | 810-2-8 | 8-8 CBZ | 8MSEL8N | DLN 8-8 | 8LM8 | 769L-1/2-1/2 | CLMA-8-8N | 8-DME-B |
| 2501-08-12 | IN-MINPT 90 | 810-2-12 | 8-12 CBZ | 8MSEL12N | DLN 8-12 | 8LM12 | 769L-1/2-3/4 | CLMA-8-12N | 8-DME-12 |
| 2501-10-08 | IN-MINPT 90 | 1010-2-8 | 10-8 CBZ | 10MSEL8N | DLN 10-8 | 10LM8 | 769L-5/8-1/2 | CLMA-10-8N | 10-DME-8 |
| 2501-12-08 | IN-MINPT 90 | 1210-2-8 | 12-8 CBZ | 12MSEL8N | DLN 12-8 | 12LM8 | 769L-3/4-1/2 | CLMA-12-8N | 12-DME-8 |
| 2501-12-12 | IN-MINPT 90 | 1210-2-12 | 12-12 CBZ | 12MSEL12N | DLN 12-12 | 12LM12 | 769L-3/4-3/4 | CLMA-12-12N | 12-DME-12 |
| 2501-14-12 | IN-MNPT 90 | 1410-2-12 | 14-12 CBZ | 14MSEL12N | DLN 14-12 | 14LM12 | 769L-3/4-3/4 769L-7/8-3/4 | CLMA-14-12N | 14-DME-12 |
| 2501-16-12 | IN-MINPT 90 | 1610-2-12 | 16-12 CBZ | 16MSEL12N | DLN 16-12 | 16LM12 | 769L-1-3/4 | CLMA-16-12N | 16-DME-12 |
| 2501-16-16 | IN-MNPT 90 | 1610-2-16 | 16-16 CBZ | 16MSEL16N | DLN 16-16 | 16LM16 | 769L-1-1 | CLMA-16-16N | 16-DME-16 |
| 2501-20-20 | IN-MNPT 90 | 2000-2-20 | 20-20 CBZ | 20MSEL20N | DLN 20-20 | 20LM20 | 769L-1-1/4-1-1/4 | CLMA-20-20N | 20-DME-20 |
| 2501-24-24 | IN-MNPT 90 | 2400-2-24 | 24-24 CBZ | 24MSEL24N | DLN 24-24 | 24LM24 | 769L-1-1/2-1/1/2 | CLMA-24-24N | 24-DME-24 |
| 2501-32-32 | IN-MINPT 90 | 3200-2-32 | 32-32 CBZ | 32MSEL32N | DLN 32-32 | 32LM32 | 769L-2-2 | CLMA-32-32N | 32-DME-32 |
| | | | 32-32 GDZ | | DUV 32-32 | 3ZLM3Z | | CLIMH-3Z-3ZIN | O DEE O |
| 2502-02-02 | IN-FNPT 90 | 200-8-2 | 2-2 DBZ | 2FEL2N | DLF 2-2 | 2LF2 | 770L-1/8-1/8 | CLF-2-2N | 2-DFE-2 |
| 2502-02-04 | IN-FNPT 90 | 200-8-4 | 2-4 DBZ | 2FEL4N | DLF2-4 | 2LF4 | 770L-1/8-1/4 | CLF-2-4N | 2-DFE-4 |
| 2502-03-02 | IN-FNPT 90 | 300-8-2 | 3-2 DBZ | 3FEL2N | DLF 3-2 | 3LF2 | 770L-3/16-1/8 | CLF-3-2N | 3-DFE-2 |
| 2502-04-02 | IN-FNPT 90 | 400-8-2 | 4-2 DBZ | 4FEL2N | DLF4-2 | 4LF2 | 770L-1/4-1/8 | CLF-4-2N | 4-DFE-2 |
| 2502-04-04 | IN-FNPT 90 | 400-8-4 | 4-4 DBZ | 4FEL4N | DLF 4-4 | 4LF4 | 770L-1/4-1/4 | CLF-4-4N | 4-DFE-4 |
| 2502-04-06 | IN-FINPT 90 | 400-8-6 | 4-6 DBZ | 4FEL6N | DLF 4-6 | 4LF6 | 770L-1/4-3/8 | CLF-4-6N | 4-DFE-6 |
| 2502-04-08 | IN-FNPT 90 | 400-8-8 | 4-B DBZ | 4FEL8N | DLF 4-8 | 4LF8 | 770L-1/4-1/2 | CLF-4-8N | 4-DFE-8 |
| 2502-05-02 | IN-FNPT 90 | 500-8-2 | 5-2 DBZ | 5FEL2N | DLF5-2 | 5LF2 | 770L-5/16-1/8 | CLF-5-2N | 5-DFE-2 |
| 2502-05-04 | IN-FNPT 90 | 500-8-4 | 5-4 DBZ | 5FEL4N | DLF 5-4 | 5LF4 | 770L-5/16-1/4 | CLF-5-4N | 5-DFE-4 |
| 2502-06-02 | IN-FINPT 90 | 600-8-2 | 6-2 DBZ | 6FEL2N | DLF 6-2 | 6LF2 | 770L-3/8-1/8 | CLF-6-2N | 6-DFE-2 |
| 2502-06-04 | N-FNPT 90 | 600-8-4 | 6-4 DBZ | 6FEL4N | DLF 6-4 | 6LF4 | 770L-3/8-1/4 | CLF-6-4N | 6-DFE-4 |
| | | | | | | | | CLF-6-6N | e DEF e |
| 2502-06-06 | IN-FNPT 90 | 600-8-6 | 6-6 DBZ | 6FEL6N | DLF 6-6 | 6LF6 | 770L-3/8-3/8 | | 6-DFE-6 |
| 2502-06-08 | IN-FNPT 90 | 600-8-8 | 6-8 DBZ | 6FEL8N | DLF 6-8 | 6LF8 | 770L-3/8-1/2 | CLF-6-8N | 6-DFE-8 |
| 2502-08-04 | IN-FINPT 90 | 810-8-4 | 8-4 DBZ | 8FEL4N | DLF 8-4 | 8LF4 | 770L-1/2-1/4 | CLF-8-4N | 8-DFE-4 |
| 2502-08-06 | IN-FNPT 90 | 810-8-6 | 8-6 DBZ | 8FEL6N | DLF 8-6 | 8LF6 | 770L-1/2-3/8 770L-1/2-1/2 | CLF-8-6N | 8-DFE-6 |
| 2502-08-08 | IN-FNPT 90 | 810-8-8 | 8-8 DBZ | 8FEL8N | DLF8-8 | 8LF8 | 770L-1/2-1/2 | CLF-8-8N | 8-DFE-8 |
| 2502-10-06 | IN-FNPT 90 | 1010-8-6 | 10-6 DBZ | 10FEL6N | DLF 10-6 | 10LF6 | 770L-5/8-3/8 | CLF-10-6N | 10-DFE-6 |
| 2502-10-08 | IN-FNPT 90 | 1010-8-B | 10-8 DBZ | 10FEL8N | DLF 10-8 | 10LF8 | 770L-5/8-1/2 | CLF-10-8N | 10-DFE-8 |
| 2502-12-08 | IN-FNPT 90 | 1210-8-8 | 12-8 DBZ | 12FEL8N | DLF 12-8 | 12LF8 | 770L-3/4-1/2 | CLF-12-8N | 12-DFE-8 |
| 12502-12-12 | IN-FNPT 90 | 1210-8-12 | 12-12 DBZ | 12FEL12N | DLF 12-12 | 12LF12 | 770L-3/4-3/4 | CLF-12-12N | 12-DFE-12 |
| 12502-14-12 | IN-FNPT 90 | 1410-8-12 | 14-12 DBZ | 14FEL12N | DLF 14-12 | 14LF12 | 770L-7/8-3/4 | CLF-14-12N | 14-DFE-12 |
| 12502-16-12 | IN-FNPT 90 | 1610-8-12 | 16-12 DBZ | 16FEL12N | DLF 16-12 | 16LF12 | 770L-1-3/4 | CLF-16-12N | 16-DFE-12 |
| 2502-16-16 | IN-FNPT 90 | 1610-8-16 | 16-16 DBZ | 16FEL16N | DLF 16-16 | 16LF16 | 770L-1-1 | CLF-16-16N | 16-DFE-16 |
| | | | | | | | | | |
| 2503-02-02 | IN-FNPT 90 | 200-5-2 | 2-2 VBZ | 2MVEL2N | N/A# | N/A# | N/A# | CLMB-2-2N | N/A# |
| 2503-04-02 | IN-MNPT 45 | 400-5-2 | 4-2 VBZ | 4MVEL2N | N/A# | N/A# | N/A# | CLMB-4-2N | N/A# |
| 2503-04-04 | IN-MNPT 45 | 400-5-4 | 4-4 VBZ | 4MVEL4N | N/A# | N/A# | N/A# | CLMB-4-4N | N/A# |
| 2503-06-02 | IN-MNPT 45 | 600-5-2 | 6-2 VBZ | 6MVEL2N | N/A# | N/A# | N/A# | CLMB-6-2N | N/A# |
| 2503-06-04 | IN-MNPT 45 | 600-5-4 | 6-4 VBZ | 6MVEL4N | N/A# | N/A# | N/A# | CLMB-6-4N | N/A# |
| 2503-06-06 | IN-MNPT 45 | 600-5-6 | 6-6 VBZ | 6MVEL6N | N/A# | N/A# | N/A# | CLMB-6-6N | N/A# |
| 12503-08-06 | IN-MNPT 45 | 810-5-6 | 8-6 VBZ | 8MVEL6N | N/A# | N/A# | N/A# | CLMB-8-6N | N/A# |
| 2503-08-08 | IN-MNPT 45 | 810-5-8 | 8-8 VBZ | 8MVEL8N | N/A# | N/A# | N/A# | CLMB-8-8N | N/A# |
| 2503-12-12 | IN-MNPT 45 | 1210-5-12 | 12-12 VBZ | 12MVEL12N | N/A# | N/A# | N/A# | CLMB-12-12N | N/A# |
| 2503-16-16 | IN-MNPT 45 | 1610-5-16 | 16-16 VBZ | 16MVEL16N | N/A# | N/A# | N/A# | CLMB-16-16N | N/A# |
| | N-BW 90 | | 2-1/8 ZEBW2 | | DLB 4-2 | 4LBW2 | 769LN-1/4-1/8 | CLW-2-2P | 4-STBWE-2 |
| 2525-04-02 | | 400-2-2W | | 4-1/8 Z-SSELW2 | DLD 4-2 | | 700LN-1/9-1/0 | CIW 4 ID | |
| 2525-04-04 | IN-BW 90 | 400-2-4W | 4-1/4 ZEBW2 | 4-1/4 Z-SSELW2 | DLB 4-4 | 4LBW4 | 769LN-1/4-1/4 | CLW-4-4P | 4-STBWE-4 |
| 2525-06-04 | IN-BW 90 | 600-2-4W | 6-1/4 ZEBW2 | 6-1/4 Z-SSELW2 | DLB 6-4 | 6LBW4 | 769LN-3/8-1/4 | CLW-6-4P | 6-STBWE-4 |
| 2525-08-08 | IN-BW 90 | 810-2-8W | 8-1/2 ZEBW2 | 8-1/2 Z-SSELW2 | DLB 8-8 | 8LBW8 | 769LN-1/2-1/2 | CLW-8-8P | 8-STBWE-8 |
| 2525-12-12 | IN-BW 90 | 1210-2-12W | 12-3/4 ZEBW2 | 12-3/4 Z-SSELW2 | DLB 12-12 | 12LBW12 | 769LN-3/4-3/4 | CLW-12-12P | 12-STBWE-12 |
| 2525-16-16 | IN-BW 90 | 1610-2-16W | 16-1 ZEBW2 | 16-1 Z-SSELW2 | DLB 16-16 | 16LBW16 | 769LN-1-1 | CLW-16-16P | 16-STBWE-16 |
| 2525-20-20 | IN-BW 90 | 2000-2-20W | 20-1-1/4 ZEBW2 | 20-1-1/4 Z-SSELW2 | DLB 20-20 | 20LBW20 | 769LN-1-1/4-1-1/4 | CLW-20-20P | 20-STBWE-20 |
| 2525-24-24 | IN-BW 90 | 2400-2-24W | 24-1/2 ZEBW2 | 24-1-1/2 Z-SSELW2 | DLB 24-24 | 24LBW24 | 769LN-1-1/2-1/1/2 | CLW-24-24P | 24-STBWE-24 |
| 2526-04-04 | IN-SW 90 | 400-9-4W | 4-4 ZEBW | 4-4 Z-SSELW | DLW 4-4 | 4LW4 | 769LN-1/4-1/4 | CLSW-4-4 | 4-DTSWE-4 |
| 2526-06-06 | IN-SW 90 | 600-9-6W | 6-6 ZEBW | 6-6 Z-SSELW | DLW 6-6 | 6LW6 | 769LN-3/8-3/8 | CLSW-6-6 | 6-DTSWE-6 |
| 2526-08-08 | IN-SW 90 | 810-9-8W | 8-8 ZEBW | 8-8 Z-SSELW | DLW 8-8 | 8LW8 | 769LN-1/2-1/2 | CLSW-8-8 | 8-DTSWE-8 |
| 2526-12-12 | N-SW 90 | 1210-9-12W | 12-12 ZEBW | 12-12 Z-SSELW | DUV 12-12 | 12LW12 | 769LW-3/4-3/4 | CLSW-12-12 | 12-DTSWE-12 |
| | | | | | | | | | |
| 2526-16-16 | IN-SW 90 | 1610-9-16W | 16-16 ZEBW | 16-16 Z-SSELW | DLW 16-16 | 16LW16 | 769LW-1-1 | CLSW-16-16 | 16-DTSWE-16 |
| 2526-20-20 | IN-SW 90 | 2000-9-20W | 20-20 ZEBW | 20-20 Z-SSELW | DLW 20-20 | 20LW20 | 769LW-1-1/4-1-1/4 | CLSW-20-20 | 20-DTSWE-20 |
| 2526-24-24 | IN-SW 90 | 2400-9-24W | 24-24 ZEBW | 24-24 Z-SSELW | DLW 24-24 | 24LW24 | 769LW-1-1/2-1/1/2 | CLSW-24-24 | 24-DTSWE-24 |
| 2601-02-02-02 | IN-IN-MNPT | 200-3TTM | 2-2-2 SBZ | 2MBT2N | DTN 2-2 | 2TTM2 | 772L-1/8-1/8 | CBTM-2-2N | 2-DTTM-2 |
| 2601-02-02-04 | IN-IN-MNPT | 200-3-4TTM | 2-2-4 SBZ | 2MBT4N | DTN 2-4 | 2TTM4 | 772L-1/8-1/4 | CBTM-2-4N | 2-DTTM-4 |
| 2601-04-04-02 | IN-IN-MINPT | 400-3TTM | 4-4-2 SBZ | 4MBT2N | DTN 4-2 | 4TTM2 | 772L-1/4-1/8 | CBTM-4-2N | 4-DTTM-2 |
| 2601-04-04-04 | IN-IN-MNPT | 400-3-4TTM | 4-4-4 SBZ | 4MBT4N | DTN 4-4 | 4TTM4 | 772L-1/4-1/4 | CBTM-4-4N | 4-DTTM-4 |
| 2601-04-04-06 | IN-IN-MNPT | 400-3-6TTM | 4-4-6 SBZ | 4MBT6N | DTN 4-6 | 4TTM6 | 772L-1/4-3/8 | CBTM-4-6N | 4-DTTM-6 |
| 2601-04-04-08 | IN-IN-MNPT | 400-3-8TTM | 4-4-8 SBZ | 4MBT8N | DTN 4-8 | 4TTM8 | 772L-1/4-1/2 | CBTM-4-8N | 4-DITM-8 |
| | IN-IN-MINPT | | 6-6-4 SBZ | | | | | | 6-DTTM-4 |
| 2601-06-06-04 | | 600-3-4TTM | | 6MBT4N | DTN 6-4 | 6TTM4 | 772L-3/8-1/4 | CBTM-6-4N | |
| 2601-06-06-06 | IN-IN-MNPT | 600-3-6TTM | 6-6-6 SBZ | 6MBT6N | DTN 6-6 | 6TTM6 | 772L-3/8-3/8 | CBTM-6-6N | 6-DTTM-6 |
| 2601-06-06-08 | IN-IN-MNPT | 600-3-8TTM | 6-6-8 SBZ | 6MBT8N | DTN 6-8 | 6TTM8 | 772L-3/8-1/2 | CBTM-6-8N | 6-DTTM-8 |
| 2601-08-08-04 | IN-IN-MNPT | 810-3-4TTM | 8-8-4 SBZ | 8MBT4N | DTN 8-4 | 8TTM4 | 772L-1/2-1/4 | CBTM-8-4N | 8-DTTM-4 |



| IC Hydraulics Va. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lak | TYLOK CBC-LO |
|----------------------|-------------|--------------|---------------|------------------------------|--------------|---------|--|------------------------------|-----------------|
| 12601-08-08-06 | IN-IN-MNPT | 810-3TTM | 8-8-6 SBZ | 8MBT6N | DTN 8-6 | 8TTM6 | 772L-1/2-3/8 | CBTM-8-6N | 8-DTTM-6 |
| 2601-08-08-08 | IN-IN-MNPT | 810-3-8TTM | 8-8-8 SBZ | 8MBT8N | DTN 8-8 | 8MTT8 | 772L-1/2-1/2 | CBTM-8-8N | 8-DTTM-8 |
| 2601-10-10-08 | IN-IN-MNPT | 1010-3TTM | 10-10-8 SBZ | 10MBT8N | DTN 10-8 | 10TTM8 | 772L-5/8-1/2 | CBTM-10-8N | 10-DTTM-8 |
| 2601-12-12-08 | IN-IN-MINPT | 1210-3-8TTM | 12-12-8 SBZ | 12MBT8N | DTN 12-8 | 12TTMB | 772L-3/4-1/2 | CBTM-12-8N | 12-DTTM-8 |
| 2601-12-12-12 | IN-IN-MNPT | 1210-3TTM | 12-12-12 SBZ | 12MBT12N | DTN 12-12 | 12TTM12 | 772L-3/4-3/4 | CBTM-12-12N | 12-DTTM-12 |
| 2601-16-16-12 | IN-IN-MINPT | 1610-3-12TTM | 16-16-12 SBZ | 16MBT12N | DTN 16-12 | 16TTM12 | 772L-1-3/4 | CBTM-16-12N | 16-DTTM-12 |
| 2601-16-16-16 | IN-IN-MNPT | 1610-3TTM | 16-16-16 SBZ | 16MBT16N | DTN 16-16 | 16TTM16 | 772L-1-1 | CBTM-16-16N | 16-DTTM-16 |
| 2601-20-20-20 | IN-IN-MNPT | 2000-3-20TTM | 20-20-20 SBZ | 20MBT20N | DTN 20-20 | 20TTM20 | 772L-1-1/4-1-1/4 | CBTM-20-20N | 20-DTTM-20 |
| 2601-24-24-24 | IN-IN-MINPT | 2400-3-24TTM | 24-24-24 SBZ | 24MBT24N | DTN 24-24 | 24TTM24 | 772L-1-1/2-1-1/4 | CBTM-24-24N | 24-DTTM-24 |
| 2602-02-02-02 | IN-IN-FNPT | 200-3TTF | 2-2-2 087 | 2FBT2N | DTH 2-2 | 2TTF2 | 772LF-1/8-1/8 | CBTF-2-2N | 2-DTTF-2 |
| 2602-04-04-02 | N-IN-FNPT | 400-3TTF | 4-4-2 OBZ | 4FBT2N | DTH4-2 | 4TTF2 | 772LF-1/4-1/8 | CBTF-4-2N | 4-DTTF-2 |
| 2602-04-04-04 | IN-IN-FNPT | 400-3-4TTF | 4-4-4 OBZ | 4FBT4N | DTH4-4 | 4TTF4 | 772LF-1/4-1/4 | CBTF-4-4N | 4-DTTF-4 |
| 2602-06-06-04 | IN-IN-FNPT | 600-3TTF | 6-6-4 DBZ | 6FBT4N | DTH6-4 | 6TTF4 | 772LF-3/8-1/4 | CBTF-6-4N | 6-DTTF-4 |
| 2602-06-06-06 | N-IN-FNPT | 600-3-6TTF | 6-6-6 OBZ | 6FBT6N | DTH6-6 | 6TTF6 | 772LF-3/8-3/8 | CBTF-6-6N | 6-DTTF-6 |
| 0602-06-06-08 | N-IN-FNPT | 600-3-8TTF | 6-6-8 OBZ | 6FBT8N | DTH6-8 | 6TTF8 | 772LF-3/8-1/2 | CBTF-6-8N | 6-DTTF-8 |
| 2602-08-08-04 | N-IN-FNPT | 810-3-4TTF | 8-8-4 OBZ | 8FBT4N | DTH8-4 | 8TTF4 | 772LF-1/2-1/4 | CBTF-8-4N | 8-DTTF-4 |
| 2602-08-08-06 | IN-IN-FNPT | 810-3TTF | 8-8-6 0BZ | 8FBT6N | DTH8-6 | 8TTF6 | 772LF-1/2-3/8 | CBTF-8-6N | 8-DTTF-6 |
| 2602-08-08-08 | IN-IN-FNPT | 810-3-8TTF | 8-8-8 OBZ | BEBTAN | DTH8-8 | 8TTF8 | 772LF-1/2-1/2 | CBTF-8-8N | 8-DTTF-8 |
| 2602-12-12-12 | IN-IN-FNPT | 1210-3TTF | 12-12-12 OBZ | 12FBT12N | DTH 12-12 | 12TTF12 | 772LF-3/4-3/4 | CBTF-12-12N | 12-DTTF-12 |
| | IN-IN-FNPT | 1610-3TTF | 16-16-12 OBZ | 16FBT12N | DTH 16-12 | 16TTF12 | 772LF-1-3/4 | CBTF-16-12N | 16-DTTF-12 |
| 2602-16-16-12 | | | | | | | 770 5 1 4 | | |
| 802-16-16-16 | IN-IN-FNPT | 1610-3-16TTF | 16-16-16 OBZ | 16FBT16N | DTH 16-16 | 16TTF16 | 772LF-1-1 764L-1/B | CBTF-16-16N CTA-2 | 16-DTTF-16 |
| 2603-02-02-02 | IN-IN-IN | 200-3 | 2-2-2 JBZ | 2ET2 | DTA 2 | 2111 | | | 2-DTTT-2 |
| 2603-03-03-03 | IN-IN-IN | 300-3 | 3-3-3 JBZ | 3ET3 | DTA 3 | 3111 | 764L-3/16 | CTA-3 CTA-4 | 3-DTTT-3 |
| 2603-04-04-04 | IN-IN-IN | 400-3 | 4-4-4 JBZ | 4ET4 | DTA 4 | 4111 | 764L-1/4 | UIA-4 | 4-DTTT-4 |
| 603-05-05-05 | IN-IN-IN | 500-3 | 5-5-5 JBZ | 5ET5 | DTA5 | 5111 | 764L-5/16 | CTA-5 | 5-DTTT-5 |
| 603-06-04-04 | IN-IN-IN | 600-3-4-4 | 6-4-4JBZ | 6-4-4 JLZ | DTR 6-4-4 | N/A# | 764LR-3/8-1/4-1/4 | CTR-6-4-4 | 6-DTTT-4-4 |
| 2603-06-04-06 | IN-IN-IN | 600-3-4-6 | 6-4-6 JBZ | 6-4-6 JLZ | DTR 6-4-6 | N/A# | 764LR-3/8-1/4-3/8 | CTR-6-4-6 | 6-DTTT-4-6 |
| 603-06-06-04 | IN-IN-IN | 600-3-6-4 | 6-6-4 JBZ | 6-6-4 JLZ | DTR 6-6-4 | N/A# | 764LR-3/8-3/8-1/4 | CTR-6-6-4 | 6-DTTT-6-4 |
| 603-06-06-06 | IN-IN-IN | 600-3 | 6-6-6 JBZ | 6ET6 | DTA 6 | 6111 | 764L-3/8 | CTA-6 | 6-DTTT-6 |
| 603-08-04-04 | IN-IN-IN | 810-3-4-4 | 8-4-4 JBZ | B-4-4 JLZ | DTR 8-4-4 | N/A# | 764LR-1/2-1/4-1/4 | CTR-8-4-4 | 8-DTTT-4-4 |
| 603-08-04-08 | IN-IN-IN | 810-3-4-8 | 8-4-8 JBZ | B-4-8 JLZ | DTR 8-4-8 | N/A# | 764LR-1/2-1/4-1/2 | CTR-8-4-8 | 8-DTTT-64-8 |
| 603-08-06-06 | IN-IN-IN | 810-3-6-6 | 8-6-6.BZ | 8-6-6.JLZ- | DTR 8-6-6 | N/A# | 764LR-1/2-3/8-3/8 764LR-1/2-3/8-1/2 | CTR-8-6-6 | 8-DTTT-6-6 |
| 603-08-06-08 | IN-IN-IN | 810-3-6-8 | 8-6-8 JBZ | 8-6-8 JLZ | DTR 8-6-8 | N/A# | 764LB-1/2-3/8-1/2 | CTR-8-6-8 | 8-DTTT-6-8 |
| 603-08-08-04 | IN-IN-IN | 810-3-8-4 | 8-8-4JBZ | 8-8-4 JLZ | DTR 8-8-4 | N/A# | 764LR-1/2-1/2-1/4 | CTR-8-8-4 | 8-DTTT-8-4 |
| 603-08-08-06 | IN-IN-IN | 810-3-8-6 | 8-8-6 JBZ | 8-8-6 JLZ | DTR 8-8-6 | N/A# | 764LR-1/2-1/2-3/8 | CTR-8-8-6 | 8-DTTT-8-6 |
| 603-08-08-08 | IN-IN-IN | B10-3 | 8-8-8 JBZ | 8ET8 | DTA 8 | TITE | 764L-1/2 | CTA-8 | 8-DTTT-8 |
| 2603-10-10-10 | IN-IN-IN | 1010-3 | 10-10-10 JBZ | 10 ET10 | DTA 10 | 10TTT | 764L-5/8 | CTA-10 | 10-DTTT-10 |
| 2603-12-06-06 | IN-IN-IN | 1210-3-6-6 | 12-6-6 JBZ | 12-6-6 JLZ | DTR 12-6-6 | N/A# | 784LB-344-3/8-3/9 | CTR-12-6-6 | 12-DTTT-6-6 |
| 2603-12-06-12 | IN-IN-IN | 1210-3-6-12 | 12-6-12 JBZ | 12-6-12 JLZ | DTR 12-6-12 | N/A# | 764LR-3/4-3/8-3/8 764LR-3/4-3/8-3/4 | CTR-12-6-12 | 12-DTTT-6-12 |
| 2603-12-08-08 | IN-IN-IN | 1210-3-8-8 | 12-8-8 JBZ | 12-8-8.JLZ | DTR 12-8-8 | N/A# | 764LR-3/4-1/2-1/2 | CTR-12-8-8 | 12-DTTT-8-8 |
| | IN-IN-IN | | | | | | 704LD-3/4-1/2-1/2 | | |
| 2603-12-08-12 | IN-IN-IN- | 1210-3-8-12 | 12-8-12 JBZ | 12-8-12 JLZ | DTR 12-8-12 | N/A# | 764LR-3/4-1/2-3/4 | CTR-12-8-12 | 12-DTTT-8-12 |
| 2603-12-12-06 | IN-IN-IN | 1210-3-12-6 | 12-12-6 JBZ | 12-12-6 JLZ | DTR 12-12-6 | N/A# | 764LR-3/4-3/4-3/8 | CTR-12-12-6 | 12-DTTT-12-6 |
| 2603-12-12-08 | IN-IN-IN | 1210-3-12-8 | 12-12-8 JBZ | 12-12-8 JLZ | DTR 12-12-8 | N/A# | 764LR-3/4-3/4-1/2 | CTR-12-12-8 | 12-DTTT-12-8 |
| 603-12-12-12 | IN-IN-IN | 1210-3 | 12-12-12 JBZ | 12ET12 | DTA 12 | 12111 | 764L-3/4 | CTA-12 | 12-DTTT-12 |
| 603-14-14-14 | IN-IN-IN | 1410-3 | 14-14-14 JBZ | 14ET14 | DTA 14 | 14TTE | 764L-7/8 | CTA-14 | 14-DTTT-14 |
| 603-16-06-06 | IN-IN-IN | 1610-3-6-6 | 16-6-6 JBZ | 16-6-6 JLZ | DTR 16-6-6 | N/A# | 764LR-1-3/8-3/8 | CTR-16-6-6 | 16-DTTT-6-6 |
| 603-16-06-16 | IN-IN-IN | 1610-3-6-16 | 16-6-16 JBZ | 16-6-16 JLZ | DTR 16-6-16 | N/A# | 764LR-1-3/8-1 | CTR-16-6-16 | 16-DTTT-6-16 |
| 603-16-08-08 | IN-IN-IN | 1610-3-8-8 | 16-8-8 JBZ | 16-8-8 JLZ | DTR 16-8-8 | N/A# | 764LR-1-1/2-1/2 | CTR-16-8-8 | 16-DTTT-8-8 |
| 603-16-08-16 | IN-IN-IN | 1610-3-8-16 | 16-8-16 JBZ | 16-8-16JLZ | DTR 16-8-16 | N/A# | 764LR-1-1/2-1 | CTR-16-8-16 | 16-DTTT-8-16 |
| 603-16-12-12 | IN-IN-IN | 1610-3-12-12 | 16-12-12 JBZ | 16-12-12 JLZ | DTR 16-12-12 | N/A# | 764LR-1-3/4-3/4 | CTR-16-12-12 | 16-DTTT-12-12 |
| 603-16-12-16 | IN-IN-IN | 1610-3-12-16 | 16-12-16 JBZ | 16-12-16 JLZ | DTR 16-12-16 | N/A# | 764LR-1-3/4-1 | CTR-16-12-16 | 16-DTTT-12-16 |
| 603-16-16-06 | IN-IN-IN | 1610-3-16-6 | 16-16-6 JBZ | 16-16-6 JLZ | DTR 16-16-6 | N/A# | 764LR-1-1-3/8 | CTR-16-16-6 | 16-DTTT-16-6 |
| 603-16-16-08 | IN-IN-IN | 1610-3-16-8 | 16-16-8 JBZ | 16-16-8 JLZ | DTR 16-16-8 | N/A# | 764LR-1-1-1/2 | CTR-16-16-8 | 16-DTTT-16-8 |
| 603-16-16-12 | IN-IN-IN | 1610-3-16-12 | 16-16-12 JBZ | 16-16-12 JLZ | DTR 16-16-12 | N/A# | 764LR-1-1-3/4 | CTR-16-16-12 | 16-DTTT-16-12 |
| 603-16-16-16 | IN-IN-IN | 1610-3 | 16-16-16 JBZ | 16ET16 | DTA 16 | 16TTT | 764L-1 | CTA-16 | 16-DTTT-16 |
| 603-20-16-16 | IN-IN-IN | 2000-3-16-16 | 20-16-16 JBZ | 20-16-16 JLZ | DTR 20-16-16 | N/A# | 764LR-1 1/4-1-1 | CTR-20-16-16 | 20-DTTT-16-16 |
| 503-20-16-20 | IN-IN-IN | 2000-3-16-20 | 20-16-20 JBZ | 20-16-20 JLZ | DTR 20-16-20 | N/A# | 764LR-1 1/4-1-1/80 | CTR-20-16-20 | 20-DTTT-16-20 |
| 503-20-20-16 | IN-IN-IN | 2000-3-20-16 | 20-20-16 JBZ | 20-20-16 JLZ | DTR 20-20-16 | N/A# | 764LR-11/4-1-1/4-1 | CTR-20-20-16 | 20-DTTT-20-16 |
| 603-20-20-20 | IN-IN-IN | 2000-3-20-10 | 20-20-10 JBZ | 20ET20 | DTA 20 | 20111 | 764L-11/4 | CTA-20 | 20-DTTT-20-10 |
| 603-24-16-16 | IN-IN-IN | 2400-3-16-16 | 24-16-16 JBZ | 24-16-16 JLZ | DTR 24-16-16 | N/A# | 764LR-1 1/2-1-1 | CTR-24-16-16 | 24-DTTT-16-16 |
| 603-24-16-16 | IN-IN-IN | 2400-3-16-24 | 24-16-24 JBZ | 24-16-16-JLZ 24-16-24-JLZ | DTR 24-16-16 | N/A# | | CTR-24-16-16 | |
| | | 2400-3-16-24 | | | | | 764LR-11/2-1-11/4 | CTR-24-10-24 CTR-24-24-16 | 24-DTTT-16-24 |
| 603-24-24-16 | IN-IN-IN | | 24-24-16 JBZ | 24-24-16 JLZ | DTR 24-24-16 | N/A# | 764LR-1 1/2 1/1/2-1 | | 24-DTTT-24-16 |
| 503-24-24-24 | IN-IN-IN | 2400-3 | 24-24-24 JBZ | 24ET24 | DTA 24 | 24111 | 764L-11/2 | CTA-24 | 24-DTTT-24 |
| 503-32-32-32 | IN-IN-IN | 3200-3 | 32-32-32 JBZ | 32ET32 | DTA 32 | 32111 | 764L-2 | CTA-32 | 32-DTTT-32 |
| 505-02-02-02 | IN-MNPT-IN | 200-3TMT | 2-2-2 RBZ | 2MRT2N | DTK 2-2 | 2TMT2 | 771L-1/8-1/8 | CRTM-2-2N | 2-DTMT-2 |
| 605-02-04-02 | IN-MNPT-IN | 200-3-4TMT | 2-4-2 RBZ | 2MRT4N | DTK 2-4 | 2TMT4 | 771L-1/8-1/4 | CRTM-2-4N | 2-DTMT-4 |
| 605-04-02-04 | IN-MNPT-IN | 400-3TMT | 4-2-4 RBZ | 4MRT2N | DTK 4-2 | 4TMT2 | 771L-1/4-1/8 | CRTM-4-2N | 4-DTMT-2 |
| 605-04-04-04 | IN-MNPT-IN | 400-3-4TMT | 4-4-4 RBZ | 4MRT4N | DTK 4-4 | 4TMT4 | 771L-1/4-1/4 | CRTM-4-4N | 4-DTMT-4 |
| 605-04-06-04 | IN-MINPT-IN | 400-3-6TMT | 4-6-4 RBZ | 4MRT6N | DTK 4-6 | 4TMT6 | 771L-1/4-3/8 | CRTM-4-6N | 4-DTMT-6 |
| 605-04-08-04 | IN-MNPT-IN | 400-3-8TMT | 4-8-4 PBZ | 4MRT8N | DTK 4-8 | 4TMT8 | 771L-1/4-1/2 | CRTM-4-8N | 4-DTMT-8 |
| 605-06-04-06 | IN-MNPT-IN | 600-3TMT | 6-4-6 RBZ | 6MRT4N | DTK 6-4 | 6TMT4 | 771L-3/8-1/4 | CRTM-6-4N | 6-DTMT-4 |
| 605-06-06-06 | IN-MINPT-IN | 600-3-6TMT | 6-6-6 RBZ | 6MRT6N | DTK 6-6 | 6TMT6 | 771L-3/8-3/8 | CRTM-6-6N | 6-DTMT-6 |
| 605-06-08-06 | IN-MINPT-IN | 600-3-8TMT | 6-8-6 RBZ | 6MRT8N | DTK 6-8 | 6TMT8 | 771L-3/8-1/2 | CRTM-6-8N | 6-DTMT-8 |
| 605-08-04-08 | IN-MNPT-IN | 810-3-4TMT | 8-4-8 PBZ | 8MRT4N | DTK 8-4 | 8TMT4 | 771L-1/2-1/4 | CRTM-8-4N | 8-DTMT-4 |
| 605-08-06-08 | IN-MNPT-IN | 810-3TMT | 8-6-8 RBZ | 8MRT6N | DTK8-6 | 8TMT6 | 771L-1/2-3/8 | CRTM-8-6N | 8-DTMT-6 |



| QC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lak | CBC-LO |
|----------------------|-------------|---------------|---------------|-----------------|-----------|---------|-------------------|-----------------|-------------|
| 2605-08-08-08 | IN-MNPT-IN | 810-3-8TMT | 8-8-8 RBZ | 8MRT8N | DTK8-8 | 8TMT8 | 771L-1/2-1/2 | CRTM-8-8N | 8-DTMT-8 |
| 2605-10-08-10 | IN-MNPT-IN | 1010-3TMT | 10-8-10 RBZ | 10MRT8N | DTK 10-8 | 10TMTB | 771L-5/8-1/2 | CRTM-10-8N | 10-DTMT-8 |
| 2605-12-08-12 | IN-MINPT-IN | 1210-3-8TMT | 12-8-12 RBZ | 12MRT8N | DTK 12-8 | 12TMTB | 771L-3/4-1/2 | CRTM-12-8N | 12-DTMT-8 |
| 2605-12-12-12 | IN-MINPT-IN | 1210-3TMT | 12-12-12 RBZ | 12MRT12N | DTK 12-12 | 12TMT12 | 771L-3/4-3/4 | CRTM-12-12N | 12-DTMT-12 |
| 2605-16-12-16 | IN-MINPT-IN | 1610-3-12TMT | 16-12-16 RBZ | 16MRT12N | DTK 16-12 | 16TMT12 | 771L-1-3/4 | CRTM-16-12N | 16-DTMT-12 |
| 2605-16-16-16 | IN-MINPT-IN | 1610-3TMT | 16-16-16 RBZ | 16MRT16N | DTK 16-16 | 16TMT16 | 771L-1-1 | CRTM-16-16N | 16-DTMT-16 |
| 2605-20-20-20 | IN-MINPT-IN | 2000-3TMT | 20-20-20 RBZ | 20MRT20N | DTK 20-20 | 20TMT20 | 771L-1 1/4-1 1/4 | CRTM-20-20N | 20-DTMT-20 |
| 2605-24-24-24 | IN-MINPT-IN | 2400-3TMT | 24-24-24 RBZ | 24MRT24N | DTK 24-24 | 24TMT24 | 771L-1 1/2 1/1/2 | CRTM-24-24N | 24-DTMT-24 |
| 2606-02-02-02 | IN-FNPT-IN | 200-3-2-TFT | 2-2-2 MBZ | 2FRT2N | DTF 2-2 | 2TFT2 | 771LF-1/8-1/8 | CRTF-2-2N | 2-DTFT-2 |
| 2606-04-02-04 | IN-FNPT-IN | 400-3TFT | 4-2-4 MBZ | 4FRT2N | DTF4-2 | 4TFT2 | 771LF-1/4-1/8 | CRTF-4-2N | 4-DTFT-2 |
| 2606-04-04-04 | IN-FNPT-IN | 400-3-4TFT | 4-4-4 MBZ | 4FRT4N | DTF-4-4 | 4TFT4 | 771LF-1/4-1/4 | CRTF-4-4N | 4-DTFT-4 |
| 2606-06-04-06 | IN-FNPT-IN | 600-3TFT | 6-4-6 MBZ | 6FRT4N | DTF 6-4 | 6TFT4 | 771LF-3/8-1/4 | CRTF-6-4N | 6-DTFT-4 |
| 2606-06-06-06 | IN-FNPT-IN | 600-3-6TFT | 6-6-6 MBZ | 6FRT6N | DTF 6-6 | 6TFT6 | 771LF-3/8-3/8 | CRTF-6-6N | 6-DTFT-6 |
| 2606-08-06-08 | IN-FNPT-IN | 810-3TFT | 8-6-8 MBZ | BFRT6N | DTF 8-6 | 8TFT6 | 771LF-1/2-3/8 | CRTF-8-6N | 8-DTFT-6 |
| 2606-08-08-08 | N-FNPT-IN | 810-3-8TFT | 8-8-8 MBZ | 8FRT8N | DTF8-8 | 8TFT8 | 771LF-1/2-1/2 | CRTF-8-8N | 8-DTFT-8 |
| | IN-FNPT-IN | | 12-12-12 MBZ | 12FRT12N | DTF 12-12 | 12TFT12 | 771LF-3/4-3/4 | CRTF-12-12N | 12-DTFT-12 |
| 2606-12-12-12 | | 1210-3TFT | | | | | | | |
| 2606-16-12-16 | N-RNPT-IN | 1610-3-12-TFT | 16-12-16 MBZ | 16FRT12N | DTF 16-12 | 16TFT12 | 771LF-1-3/4 | CRTF-16-12N | 16-DTFT-12 |
| 2606-16-16-16 | IN-FNPT-IN | 1610-3TFT | 16-16-16 MBZ | 16FRT16N | DTF 16-16 | 16TFT16 | 771LF-1-1 | CRTF-16-16N | 16-DTFT-16 |
| 2650-02-02-02-02 | N-IN-IN-IN | 200-4 | 2 KBZ | 2ECR2 | DXA2 | 2C | 7102L-1/8 | CXA-2 | 2-DCR |
| 2650-04-04-04-04 | IN-IN-IN | 400-4 | 4 KBZ | 4ECR4 | DXA 4 | 4C | 7102L-1/4 | CXA-4 | 4-DCR |
| 2650-06-06-06-06 | IN-IN-IN-IN | 600-4 | 6KBZ | 6ECR6 | DXA 6 | 6C | 7102L-3/8 | CXA-6 | 6-DCR |
| 2650-08-08-08-08 | IN-IN-IN | 810-4 | 8 KBZ | 8ECR8 | DXA8 | 9C | 7102L-1/2 | CXA-8 | 8-DCR |
| 2650-12-12-12-12 | IN-IN-IN-IN | 1210-4 | 12 KBZ | 12ECR12 | DXA 12 | 12C | 7102L-3/4 | CXA-12 | 12-DCR |
| 2650-16-16-16-16 | IN-IN-IN-IN | 1610-4 | 16 KBZ | 16ECR16 | DXA 16 | 160 | 7102L-1 | CXA-16 | 16-DCR |
| 2700-LN-01-01 | INBH-IN | 100-61 | 1-1 WBZ | 1MBC1N | DSU1 | 1BU | 774L-1/16-1/16 | CBU-1 | 1-DBHU-1 |
| 2700-LN-02-02 | INBH-IN | 200-61 | 2-2 WBZ | 2MBC2N | DSU 2 | 2BU | 774L-1/8-1/8 | CBU-2 | 2-DBHU-2 |
| 2700-LN-03-03 | INBH-IN | 300-61 | 3-3 WBZ | 3MBC3N | DSU 3 | 3 BU | 774L-3/16-3/16 | CBU-3 | 3-DBHU-3 |
| 2700-LN-04-02 | INBH-IN | 400-61-2 | 4-2 WBZ | 4MBC2N | DSU 4-2 | 4BU2 | 774L-1/4-1/8 | CBUR-4-2 | 4-DBHU-2 |
| 2700-LN-04-04 | INBH-IN | 400-61 | 4-4 WBZ | 4MBC4N | DSU 4 | 4BU | 774L-1/4-1/4 | CBU-4 | 4-DBHU-4 |
| 2700-LN-05-05 | INBH-IN | 500-61 | 5-5 WBZ | 5MBC5 | DSU 5 | 5BU | 774L-5/16-5/16 | CBU-5 | 5-DBHU-5 |
| 2700-LN-06-04 | INBH-IN | 600-61-4 | 6-4 WBZ | 6MBC4 | DSU 6-4 | 6BU4 | 774L-3/8-1/4 | CBUR-6-4 | 6-DBHU-4 |
| 2700-LN-06-06 | INBHAN | 600-61 | 6-6 WBZ | 6MBC6 | DSU 6 | 6BU6 | 774L-3/8-3/8 | CBU-6 | 6-DBHU-6 |
| 2700-LN-08-04 | INBH-IN | 810-61-4 | 8-4 WBZ | 8MBC4 | DSU 8-4 | 8BU4 | 774L-1/2-1/4 | CBUR-8-4 | 8-DBHU-4 |
| | | | | | | | | CBLR-8-6 | |
| 2700-LN-08-06 | INBH-IN | 810-61-6 | 8-6 WBZ | 8MBC6N | DSU 8-6 | 8BU6 | 774L-1/2-3/8 | | 8-DBHU-6 |
| 2700-LN-06-08 | INBH-IN | 810-61 | 8-8 WBZ | 8MBC8N | DSU8 | 8BU | 774L-1/2-1/2 | CBU-8 CBU-10 | 8-DBHU-8 |
| 2700-LN-10-10 | INBH-IN | 1010-61 | 10-10 WBZ | 10BC10 | DSU1 | 10BU | 774L-5/8-5/8 | | 10-DBHU-10 |
| 2700-LN-12-12 | INBH-IN | 1210-61 | 12-12 WBZ | 12BC12 | DSU 12 | 12BU | 774L-3/4-3/4 | CBU-12 | 12-DBHU-12 |
| 2700-LN-16-16 | INBH-IN | 1610-61 | 16-16 WBZ | 16BC16 | DSU 16 | 16BU | 774L-1-1 | C8U-16 | 16-DBHU-16 |
| 2700-LN-20-20 | INBH-IN | 2000-61 | 20-20 WBZ | 20BC20 | DSU 20 | 20BU | 774L-1 1/4-1 1/4 | CBU-20 | 20-DBHU-20 |
| 12700-LN-24-24 | INBH-IN | 2400-61 | 24-24 WBZ | 24BC24 | DSU 24 | 24BU | 774L-1 1/2-1 1/2 | CBU-24 | 24-DBHU-24 |
| 2700-LN-32-32 | INBH-IN | 3200-61 | 32-32 WBZ | 32BC32 | DSU 32 | 32BU | 774L-2-2 | CBU-32 | 32-DBHU-32 |
| 2701-LN-02-02 | INBH-IN 90 | N/A≠ | N/A# | NAŧ | DSL2 | N/A# | N∕A≢ | N∕A# | N/A# |
| 12701-LIN-04-04 | INBH-IN 90 | N/A# | N/A# | N/A# | DSL4 | N/A# | N/A# | N/A# | N/A# |
| 2701-LN-06-06 | INBH-IN 90 | N/A# | N/A# | N/A# | DSL6 | N/A# | N/A# | N/A# | N/A# |
| 2701-LN-08-08 | INBH-IN 90 | N/A# | N/A# | N/A# | DSL8 | N/A# | N/A# | N/A# | N/A# |
| 2701-LN-12-12 | INBH-IN 90 | N/A# | N/A# | N/A# | DSL 12 | N/A# | N/A# | N/A# | N/A# |
| 2701-LN-16-16 | INBH-IN 90 | N/A# | N/A# | N/A# | DSL 16 | N/A# | N/A# | N/A# | N/A# |
| 2705-LN-02-02 | INBH-FNPT | 200-71-2 | 2-2 GH2BZ | 2FBC2N | DSS 2-2 | 2BCF2 | 774LF-1/8-1/8 | CBFC-2-2N | 2-DBHFP-2 |
| 2705-LN-04-02 | INBH-FNPT | 400-71-2 | 4-2 GH2BZ | 4FBC2N | DSS 4-2 | 4BCF2 | 774LF-1/4-1/8 | CBFC-4-2N | 4-DBHFP-2 |
| 2705-LN-04-04 | INBH-FNPT | 400-71-4 | 4-4 GH2BZ | 4FBC4N | DSS 4-4 | 4BCF4 | 774LF-1/4-1/4 | CFBC-4-4N | 4-DBHFP-4 |
| 2705-LN-06-04 | INBH-FNPT | 600-71-4 | 6-4 GH2BZ | 6FBC4N | DSS 6-4 | 6BCF4 | 774LF-3/8-1/4 | CBFC-6-4N | 6-DBHFP-4 |
| | | | | | | 8BCF6 | | | |
| 2705-LN-08-06 | INBH-FNPT | 810-71-6 | 8-6 GH2BZ | 8FBC6N | DSS 8-6 | | 774LF-1/2-3/8 | CBFC-8-6N | 8-DBHFP-6 |
| 2705-LN-08-08 | INBH-FNPT | 810-71-8 | 8-8 GH29Z | 8FBC8N | DSS 8-8 | 8BCFB | 774LF-1/2-1/2 | CBFC-8-8N | 8-DBHFP-8 |
| 2705-LN-10-08 | INBH-FNPT | 1010-71-8 | 10-8 GH2BZ | 10FBC8N | DSS 10-8 | 10BCF8 | 774LF-5/8-1/2 | CBFC-10-8N | 10-DBHFP-8 |
| 2705-LN-12-08 | INBH-FNPT | 1210-71-8 | 12-8 GH2BZ | 12FBC8N | DSS 12-8 | 12BCF8 | 774LF-3/4-1/2 | #WA | 12-DBHFP-8 |
| 2705-LN-12-12 | INBH-FNPT | 1210-71-12 | 12-12 GH2BZ | 12FBC12N | DSS 12-12 | 12BCF12 | 774LF-3/4-3/4 | CBFC-12-12N | 12-DBHFP-12 |
| 2705-LN-16-12 | INBH-FNPT | 1610-71-12 | 16-12 GH2BZ | 16FBC12N | DSS 16-12 | 16BCF12 | 774LF-1-3/4 | #N/A | 16-DBHFP-12 |
| 2705-LN-16-16 | INBH-FNPT | 1610-71-16 | 16-16 GH2BZ | 16FBC16N | DSS 16-16 | 16BCF16 | 774LF-1-1 | CBFC-16-16N | 16-DBHFP-16 |
| 2705-LN-20-20 | INBH-FNPT | 2000-71-20 | 20-20 GH2BZ | 20FBC20N | DSS 20-20 | 20BCF20 | 774LF-1 1/4-1 1/4 | CBFC-20-20N | 20-DBHFP-20 |
| 2705-LN-24-24 | INBH-FNPT | 2400-71-24 | 24-24 GH2BZ | 24FBC24N | DSS 24-24 | 24BCF24 | 774LF-1 1/2-1 1/2 | CBFC-24-24N | 24-DBHFP-24 |
| 2706-LN-02-02 | INBH-MNPT | 200-11-2 | 2-2 FH2BZ | 2MBC2N | DSC 2-2 | 2BCM2 | 774LM-1/8-1/8 | CBMC-2-2N | 2-DBHMP-2 |
| 2706-LN-04-02 | INBH-MNPT | 400-11-2 | 4-2 FH2BZ | 4MBC2N | DSC 4-2 | 4BCM2 | 774LM-1/4-1/8 | CBMC-4-2N | 4-DBHMP-2 |
| 2706-LN-04-04 | INBH-MNPT | 400-11-4 | 4-4 FH2BZ | 4MBC4N | DSC 4-4 | 4BCM4 | 774LM-1/4-1/4 | CBMC-4-4N | 4-DBHMP-4 |
| 2706-LN-06-04 | INBH-MNPT | 600-11-4 | 6-4 FH28Z | 6MBC4N | DSC 6-4 | 6BCM4 | 774LM-3/8-1/4 | CBMC-6-4N | 6-DBHMP-4 |
| 2706-LN-06-06 | INBH-MNPT | 600-11-6 | 6-6 FH2BZ | 6MBC6N | DSC 6-6 | 6BCM6 | 774LM-3/8-3/8 | CBMC-6-6N | 6-DBHMP-6 |
| 2706-LN-06-08 | INBH-MNPT | 600-11-8 | 6-8 FH2BZ | 6MBC8N | DSC 6-8 | 6BCM8 | 774LM-3/8-1/2 | CBMC-6-8N | 6-DBHMP-8 |
| 2706-LN-08-06 | INBH-MNPT | 810-11-6 | 8-6 FH2BZ | 8MBC6N | DSC 8-6 | 8BCM6 | 774LM-1/2-3/8 | CBMC-8-6N | 8-DBHMP-6 |
| | INBH-MNPT | | 8-8 FH2BZ | | DSC 8-8 | | | CBMC-8-8N | 8-DBHMP-8 |
| 2706-LN-08-08 | | 810-11-8 | | 8MBC8N | | 8BCM8 | 774LM-1/2-1/2 | | |
| 2706-LN-12-12 | INBH-MNPT | 1210-11-12 | 12-12 FH2BZ | 12MBC12N | DSC 12-12 | 12BCM12 | 774LM-3/4-3/4 | CBFC-12-12N | 12-DBHMP-12 |
| 2706-LN-16-16 | INBH-MNPT | 1610-11-16 | 16-16 FH2BZ | 16MBC16N | DSC 16-16 | 16BCM16 | 774LM-1-1 | CBMC-16-16N | 16-DBHMP-16 |
| 2706-LN-20-20 | INBH-MNPT | 2000-11-20 | 20-20 FH2BZ | 20MBC20N | DSC 20-20 | 20BCM20 | 774LM-1 1/4-1 1/4 | CBMC-20-20N | 20-DBHMP-20 |
| 2706-LN-24-24 | INBH-MNPT | 2400-11-24 | 24-24 FH2BZ | 24MBC24N | DSC 24-24 | 24BCM24 | 774LM-1 1/2-1 1/2 | CBMC-24-24N | 24-DBHMP-24 |
| 2707-LN-04-04 | INBH-MJ | 400-61-4AN | 4-4 XH2BZ | 4XABC4 | DUE 4-4 | 4BUAN4 | 774LFL-1/4-1/4 | CBFU-4-4 | 4-DBUANF-4 |
| 2707-LN-06-06 | INBH-MJ | 600-61-6AN | 6-6 XH2BZ | 6XABC6 | DUE 6-6 | 6BUAN6 | 774LFL-3/8-3/8 | CBFU-6-6 | 6-DBUANF-6 |
| 2707-LN-08-08 | INBH-MJ | 810-61-8AN | 8-8 XH2BZ | 8XABC8 | DUE 8-8 | 8BUAN8 | 774LFL-1/2-1/2 | CBFU-8-8 | 8-DBUANF-8 |



| OC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lok | CBC-LO |
|--------------------------------------|----------------------------|------------------------|-----------------------|-----------------|---------------------|-------------------|----------------------------------|-------------|--------------------------|
| 12707-LN-12-12 | INBH-MJ | 1210-61-12AN | 12-12 XH2BZ | 12XABC12 | DUE 12-12 | 12BUAN12 | 774LFL-3/4-3/4 | CBFU-12-12 | 12-DBUANF-12 |
| 2707-LN-16-16 | INBH-MJ | 1610-61-16AN | 16-16 XH2BZ | 16XABC16 | DUE 16-16 | 16BUAN16 | 774LFL-1-1 | CBFU-16-16 | 16-DBUANF-16 |
| 2709-LN-02-02 | INBH-STDPIPE | 200-R1-2 | 2-2 T2H2BZ | 2TUBC2 | DSE2 | 2BA2 | 774LT-1/8-1/8 | CBR-2-2 | N/A# |
| 2709-LN-04-04 | NBH-STDPIPE | 400-R1-4 | 4-4 T2H2BZ | 4TUBC4 | DSE4 | 4BA4 | 774LT-1/4-1/4 | CBR-4-4 | N/A# |
| 709-LN-06-06 | INBH-STOPIPE | 600-R1-6 | 6-6 T2H2BZ | 6TUBC6 | DSE 6 | 6BA6 | 774LT-3/8-3/8 | CBR-6-6 | N/A# |
| 2709-LN-08-08 | INBH-STDPIPE | 810-R1-8 | 8-8 T2H2BZ | 8TUBC8 | DSE8 | 8BA8 | 774LT-1/2-1/2 | CBR-8-8 | N/A# N/A# |
| 2709-LN-10-10 | NBH-STDPIPE | 1010-R-10 | 10-10 T2H2BZ | 10TUBC10 | DSE 10 | 10BA10 | 774LT-5/8-5/8 | CBR-10-10 | N/A# |
| 2709-LN-16-16 | NBH-STDPIPE | 1610-R1-16 | 16-16 T2H2BZ | 16TUBC16 | DSE 16 | 16BA16 | 774LT-1-1 | CBR-16-16 | N/A# |
| 2709-LN-20-20 | NBH-STDPIPE | 2000-R1-20 | 20-20 T2H2BZ | 20TUBC20 | DSE 20 | 20BA20 | 774LT-1 1/4-1 1/4 | CBR-20-20 | N/A# |
| 2709-LN-24-24 | NBH-STDPIPE | 2400-R1-24 | 24-24 T2H2BZ | 24TUBC24 | DSE 24 | 24BA24 | 774LT-11/2-11/2 | CBR-24-24 | N/A# N/A# |
| 6400-02-02-0 | IN-MORB | 200-1-2ST | 2-2 ZHBA | 2M1SC2 | DCU 2-2 | 2UAN02 | 768LOB-1/8-1/8 | CSC-2-2U | 2-DMC-ORS |
| 3400-02-04-0 | N-MORB | 200-1-4ST | 2-4 ZHBA | 2M1SC4 | DCU 2-4 | 2UAN04 | 768LOB-1/8-1/4 | CSC-2-4U | 2-DMC-4 |
| 5400-04-04-0 | IN-MORB | 400-1-4ST | 4-4 ZHBA | 4M1SC4 | DCU 4-4 | 4UANO4 | 768LOB-1/4-1/4 | CSC-4-4U | 4-DMC-ORS |
| 3400-04-06-0 | IN-MORB | 400-1-6ST | 4-6 ZHBA | 4M1SC6 | DCU 4-6 | 4UANO6 | 768LOB-1/4-3/8 | CSC-4-6U | 4-DMC-6-ORS |
| 400-04-08-0 | N-MORB | 400-1-8ST | 4-8 ZHBA | 4M1SC8 | DCU 4-8 | 4UANO8 | 768LOB-1/4-1/2 | CSC-4-8U | 4-DMC-8-ORS |
| 400-05-05-0 | IN-MORB | 500-1-5ST | 5-5 ZHBA | 5M1SC5 | DCU5-5 | 5UANO5 | 768LOB-5/16-5/16 | CSC-5-5U | 5-DMC-ORS |
| 400-06-04-0 | N-MORB | 600-1-4ST | 6-4 ZHBA | 6MOSC4 | DCU 6-4 | 6UANO4 | 768LOB-3/8-1/4 | CSC-6-4U | 6-DMC-04-DRS |
| 400-06-06-0 | IN-MORB | 600-1-6ST | 6-6 ZHBA | 6M1SC6 | DCU 6-6 | 6UANO6 | 768LOB-3/8-3/8 | CSC-6-6U | 6-DMC-ORS |
| | | | | | DCU 6-8 | | | CSC-6-8U | |
| 6400-06-08-0 6400-06-10-0 | IN-MORB IN MODE | 600-1-8ST | 6-8 ZHBA 6-10 ZHBA | 6M1SC8 | DCU 6-8 DCU 6-10 | 6UANO8 6UANO10 | 768LOB-3/8-1/2 768LOB-3/8-5/8 | CSC-6-10U | 6-DMC-8-ORS |
| | IN-MORB IN MORB | 600-1-10ST | | 6M1SC10 | DCU 8-6 | | | CSC-8-6U | 6-DMC-10-ORS |
| 400-08-06-0 | IN-MORB | 810-1-6ST | 8-6 ZHBA | 8M1SC6 | | BUANO6 | 768LOB-1/2-3/8 768LOB-1/2-1/2 | CSC-8-8U | 8-DMC-6-ORS 8-DMC-ORS |
| 400-08-08-0 | IN-MORB | 810-1-8ST | 8-8 ZHBA | 8M1SC8 | DCU 8-8 | BUANO8 | | | |
| 3400-08-10-0 | IN-MORB | 810-1-10ST | 8-10 ZHBA | 8M1SC10 | DCU 8-10 | 8UAN010 | 768LOB-1/2-5/8 | CSC-8-10U | 8-DMC-10-OR |
| 3400-10-10-0 | IN-MORB | 1010-1-10ST | 10-10 ZHBA | 10M1SC10 | DCU 10-10 | 10UAN010 | 768LOB-5/8-58 | CSC-10-10U | 10-DMC-ORS |
| 5400-12-08-0 | IN-MORB | 1210-1-8ST | 12-8 ZHBA | 12M1SC8 | DCU 12-8 | 12UAN08 | 768L0B-3/4-1/2 | CSC-12-8U | 12-DMC-8-OR |
| 400-12-12-0 | IN-MORB | 1210-1-12ST | 12-12 ZHBA | 12M1SC12 | DCU 12-12 | 12UAN012 | 768LOB-3/4-3/4 | CSC-12-12U | 12-DMC-ORS |
| 5400-12-16-0 | IN-MORB | 1210-1-16ST | 12-16 ZHBA | 12M1SC16 | DCU 12-16 S | 12UAN016 | 768L0B-3/4-1 | CSC-12-16U | 12-DMC-16-0F |
| 5400-16-12-0 | IN-MORB | 1610-1-12ST | 16-12 ZHBA | 16M1SC12 | DCU 16-12 | 16UAN012 | 768LOB-1-3/4 | CSC-16-12U | 16-DMC-12-0F |
| 3400-16-16-0 | IN-MORB | 1610-1-16ST | 16-16 ZHBA | 16M1SC16 | DCU 16-16 | 16UAN016 | 768L0B-1-1 | CSC-16-16U | 16-DMC-16-0F |
| 3400-20-20-0 | IN-MORB | 2000-1-20ST | 20-20 ZHBA | 20M1SC20 | DCU 20-20 | 20UAN020 | 768L0B-1 1/4-1 1/4 | CSC-20-20U | 20-DMC-20-0F |
| 400-24-24-0 | IN-MOR8 | 2400-1-24ST | 24-24 ZHBA | 24M1SC24 | DCU 24-24 | 24UAN024 | 768L0B-1 1/2-1 1/2 | CSC-24-24U | 24-DMC-24-0F |
| 801-04-04-NWO | IN-MAORB 90 | 400-2-4ST | 4-4 C5BZ | 4M5SEL4 | N/A# | N/A# | N/A# | CSLA-4-4U | N/A# |
| 801-04-06-NWO | IN-MACRB 90 | 400-2-6ST | 4-6 C5BZ | 4M5SEL6 | N/A# | N/A# | WA≇ | CSLA-4-6U | N/A# |
| 801-06-04-NWO | IN-MAORB 90 | 600-2-4ST | 6-4 C5BZ | 6M5SEL4 | N/A# | N/A# | N/A# | CSLA-6-4U | N/A# |
| 801-06-06-NWO | IN-MAORB 90 | 600-2-6ST | 6-6 C5BZ | 6M5SEL6 | N/A# | N/A# | N/A# | CSLA-6-6U | N/A# |
| 5801-06-08-NWO | IN-MAORB 90 | 600-2-8ST | 6-8 C5BZ | 6M5SEL8 | N/A# | N/A# | N/A# | CSLA-6-8U | N/A# N/A# |
| 6801-08-08-NWO | IN-MAORB 90 | 810-2-8ST | 8-8 C5BZ | BM5SELB | N/A# | N/A# | N/A# | CSLA-8-8U | N/A# |
| 6801-10-10-NWO | IN-MAORB 90 | 1010-2-10ST | 10-10 C5BZ | 10M5SEL10 | N/A# | N/A# | N/A# | CSLA-10-10U | N/A# |
| 5801-12-12-NWO | IN-MAORB 90 | 1210-2-12ST | 12-12 C5BZ | 12M5SEL12 | N/A# | N/A# | N/A# | CSLA-12-12U | N/A# |
| 801-14-14-NWO | IN-MAORB 90 | 1410-2-14ST | 14-14 C5BZ | 14M5SEL14 | N/A# | N/A# | N/A# | CSLA-14-14U | N/A# |
| 5801-16-16-NWO | IN-MACRB 90 | 1610-2-16ST | 16-16 C5BZ | 16M5SEL16 | N/A# | N/A# | N/A# | CSLA-16-16U | N/A# N/A# |
| 801-20-20-NWO | IN-MAORB 90 | 2000-2-20ST | 20-20 C5BZ | 20M5SEL20 | N/A# | N/A# | N/A# | CSLA-20-20U | N/A# |
| 5801-24-24-NWD | IN-MAORB 90 | 2400-2-24ST | 24-24 C5BZ | 24M5SEL24 | N/A# | N/A# | N/A# | CSLA-24-24U | N/A# |
| 5802-04-04-NWO | IN-MAORB-45 | 400-5-4ST | 4-4 V5BZ | 4M5VEL4 | N/A# | N/A# | N/A# | CSLB-4-4U | N/A# |
| 5802-06-06-NWO | IN-MACRB-45 | 600-5-6ST | 6-6 V5BZ | 6M5VEL6 | N/A# | N/A# | N/A# | CSLB-6-6U | N/A# N/A# |
| 5802-08-08-NWO | IN-MAORB-45 | 810-5-8ST | 8-8 V5BZ | 8M5VEL8 | N/A# | N/A# | N/A# | CSLB-8-8U | N/A# |
| 802-12-12-NWO | IN-MAORB-45 | 1210-5-12ST | 12-12 V5BZ | 12M5VEL12 | N/A# | N/A# | N/A# | CSLB-12-12U | N/A# |
| 802-16-16-NWO | IN-MAORB-45 | 1610-5-16ST | 16-16 V5BZ | 16M5VEL16 | N/A# | N/A# | N/A# | CSLB-16-16U | N/A# |
| 803-04-04-04-NWO | IN-IN-MAORB | 400-3TTS | 4-4 S5BZ | 4M5BT4 | N/A# | N/A# | N/A# | CSBT-4-4U | N/A# |
| 803-06-06-06-NWO | IN-IN-MAORB | 600-3TTS | 6-6 S5BZ | 6M5BT6 | N/A# | N/A# | N/A# | CSBT-6-6U | N/A# N/A# |
| 803-08-08-08-NWO | IN-IN-MAORB | 810-3TTS | 8-8 S5BZ | 8M5BT8 | N/A# | N/A# | N/A# | CSBT-8-8U | N/A# |
| 803-12-12-12-NWO | IN-IN-MACRB | 1210-3TTS | 12-12 S5BZ | 12M5BT12 | N/A# | N/A# | N/A# | CSBT-12-12U | tVA# |
| 803-16-16-16-NWO | IN-IN-MAORB | 1610-3TTS | 16-16 S5BZ | 16M5BT16 | N/A# | N/A# | N/A# | CSBT-16-16U | N/A# |
| 803-20-20-20-NWO | IN-IN-MAORB | 2000-3TTS | 20-20 S5BZ | 20M5BT20 | N/A# | N/A# | N/A# | CSBT-20-20U | N/A# |
| 803-24-24-24-NWO | IN-IN-MAORB | 2400-3TTS | 24-24 SSBZ | 24M5BT24 | N/A# | N/A# | N/A# | CSBT-24-24U | N/A# |
| OHER 10 10 10 100 | | ARC AMOUNT | 4-4-4 R5BZ | 4M5RT4 | N/A# | N/A# | N/A# | CODT A HIT | N/A# |
| 804-04-04-04-NWU 804-06-06-06-NWO | IN-MAORB-IN IN-MAORB-IN | 400-31ST 600-3TST | 6-6-6 R5BZ | 6M5RT6 | N/A# | N/A# | N/A# | CSRT-6-6U | N/A# |
| 804-06-08-08-NW0 | IN-MAORB-IN | 810-3TST | 8-8-8 R5BZ | 8M5RT8 | N/A# | N/A# | N/A# | CSRT-8-8U | N/A# |
| 804-12-12-12-NWO | IN-MAORB-IN | 1210-3TST | 12-12-12 R5BZ | 12M5RT12 | N/A# | N/A# | N/A# | CSRT-12-12U | N/A# |
| 804-16-16-16-NWO | IN-MAORB-IN | 1610-3TST | 16-16-16 R5BZ | 16M5RT16 | N/A# | N/A# | N/A# | CSRT-16-16U | N/A# |
| | IN-MAORB-IN | 1010 0101 | 20-20-20 RSBZ | 20M5RT20 | N/A# | N/A# | N/A# | CSRT-20-20U | N/A# |
| 804-20-20-20-NWO 804-24-24-24-NWO | IN-MAORB-IN | 2000-3TST 2400-3TST | 20-20-20 R5BZ | | N/A# | N/A# N/A# | N/A# N/A# | CSRT-24-24U | N/A# |
| | | | 4.0 C (D.) MORE | 24M5RT24 | | | | | |
| 000-02-02 | IN-MBSPT | 200-1-2RT | 2-2K FBZ | 2MSC2K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-02-04 | IN-MBSPT | 200-1-4RT | 2-4K FBZ | 2MSC4K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-04-02 | IN-MBSPT | 400-1-2RT | 4-2K FBZ | 4MSC2K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-04-04 | IN-MBSPT | 400-1-4RT | 4-4K FBZ | 4MSC4K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-04-06 | IN-MBSPT | 400-1-6RT | 4-6K FBZ | 4MSC6K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-04-08 | IN-MBSPT | 400-1-8RT | 4-8K FBZ | 4MSC8K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-05-02 | IN-MBSPT | 500-1-2RT | 5-2K FBZ | 5MSC2K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-05-04 | IN-MBSPT | 500-1-4RT | 5-4KFBZ | 5MSC4K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-06-02 | IN-MBSPT | 600-1-2RT | 6-2K FBZ | 6MSC2K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-06-04 | IN-MBSPT | 600-1-4RT | 6-4K FBZ | 6MSC4K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-06-06 | IN-MBSPT | 600-1-6RT | 6-6K FBZ | 6MSC6K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-06-08 | IN-MBSPT | 600-1-8RT | 6-8K FBZ | 6MSC8K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 000-08-04 | IN-MBSPT | 810-1-4RT | 8-4K FBZ | 8MSC4K | N/A# | N/A# | N/A# | N/A# | N/A# |



| QC Hydraulics No. | Description | Swagelok | Parker CPI | Parker A-LOK | BI-LOK | GYROLOK | LET-LOK | Hy-Lok | TYLOK CBC-LOK |
|----------------------|-------------|-------------|---------------|-----------------|--------|---------|---------|--------|------------------|
| N7000-08-06 | IN-MBSPT | 810-1-6RT | 8-6K FBZ | 8MSC6K | N/A# | N/A# | N/A# | N/A# | N/A# |
| V7000-08-08 | IN-MBSPT | 810-1-8RT | 8-8K FBZ | 8MSC8K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 17000-12-12 | IN-MBSPT | 1210-1-12RT | 12-12K FBZ | 12MSC12K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7000-16-16 | IN-MBSPT | 1610-1-16RT | 16-16K FBZ | 16MSC16K | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-02-02 | IN-MBSPP | 200-1-2RS | 2-2R FBZ | 2MSC2R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-02-04 | IN-MBSPP | 200-1-4RS | 2-4R FBZ | 2MSC4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-04-02 | IN-MBSPP | 400-1-2RS | 4-2R FBZ | 4MSC2R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-04-04 | IN-MBSPP | 400-1-4RS | 4-4R FBZ | 4MSC4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-04-06 | IN-MBSPP | 400-1-6RS | 4-6R FBZ | 4MSC6R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-04-08 | IN-MBSPP | 400-1-8RS | 4-8R FBZ | 4MSC8R | N/A.# | N/A# | N/A# | N/A# | N/A# |
| 7002-06-02 | IN-MBSPP | 600-1-2RS | 6-2R FBZ | 6MSC2R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-06-04 | IN-MBSPP | 600-1-4RS | 6-4R FBZ | 6MSC4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-06-06 | IN-MBSPP | 600-1-6RS | 6-6R FBZ | 6MSC6R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-06-08 | IN-MBSPP | 600-1-8RS | 6-8R FBZ | 6MSC8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-08-04 | IN-MBSPP | 810-1-4RS | 8-4R FBZ | 8MSC4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-08-06 | IN-MBSPP | 810-1-6RS | 8-6R FBZ | 8MSC6R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-08-08 | IN-MBSPP | 810-1-8RS | 8-8R FBZ | 8MSC8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-12-08 | IN-MBSPP | 1210-1-8RS | 12-8R FBZ | 12MSC8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-12-12 | IN-MBSPP | 1210-1-12RS | 12-12R FBZ | 12MSC12R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-16-08 | IN-MBSPP | 1610-1-8RS | 16-8R FBZ | 16MSC8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-16-12 | IN-MBSPP | 1610-1-12RS | 16-12R FBZ | 16MSC12R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7002-16-16 | IN-MBSPP | 1610-1-16RS | 16-16R FBZ | 16MSC16R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-04-02 | IN-MBSPP 90 | 400-2-2PR | 4-2R C5BZ | 4MSEL2R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-04-04 | IN-MBSPP 90 | 400-2-4PR | 4-4R C5BZ | 4MSEL4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-06-04 | IN-MBSPP 90 | 600-2-4PR | 6-4R C5BZ | 6MSEL4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-06-06 | IN-MBSPP 90 | 600-2-6PR | 6-6R C5BZ | 6MSEL6R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-08-04 | IN-MBSPP 90 | 810-2-4PR | 8-4R C5BZ | 8MSEL4R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-08-06 | IN-MBSPP 90 | 810-2-6PR | 8-6R C5BZ | 8MSEL6R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-08-08 | IN-MBSPP 90 | 810-2-8PR | 8-8R C5BZ | 8MSEL8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-10-08 | IN-MBSPP 90 | 1010-2-8PR | 10-8R C5BZ | 10MSEL8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-12-08 | IN-MBSPP 90 | 1210-2-8PR | 12-8R C5BZ | 12MSEL8R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-12-12 | IN-MBSPP 90 | 1210-2-12PR | 12-12R C5BZ | 12MSEL12R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-16-12 | IN-MBSPP 90 | 1610-2-12PR | 16-12R C5BZ | 16MSEL12R | N/A# | N/A# | N/A# | N/A# | N/A# |
| 7202-16-16 | IN-MBSPP 90 | 1610-2-16PR | 16-16R C5BZ | 16MSEL16R | N/A# | N/A# | N/A# | N/A# | N/A# |

GAP INSPECTION GAGES

| NGG-04 | 1/4" GAP GAGE | MS-IG-400 | | | | |
|--------|----------------|------------|--|--|--|--|
| NGG-05 | 5/16" GAP GAGE | MS-IG-500 | | | | |
| NGG-06 | 3/8' GAP GAGE | MS-IG-300 | | | | |
| NGG-08 | 1/2' GAP GAGE | MS-IG-810 | | | | |
| NGG-10 | 5/8' GAP GAGE | MS-IG-1010 | | | | |
| NGG-12 | 3/4" GAP GAGE | MS-IG-1210 | | | | |
| NGG-16 | 1' GAP GAGE | MS-IG-1610 | | | | |
| NGG-20 | 11/4' GAP GAGE | N/A# | | | | |
| NGG-24 | 11/2" GAP GAGE | N/A# | | | | |

PRE-SET TOOLS

| | 1/4" OD PRE-SETTOOL | MS-ST-400 | | | |
|---------|----------------------|------------|--|--|--|
| PST-06 | 3/8' OD PRE-SETTOOL | MS-ST-600 | | | |
| NPST-08 | 1/2" OD PRE-SET TOOL | MS-ST-810 | | | |
| NPST-10 | 5/8' OD PRE-SETTOOL | MS-ST-1010 | | | |
| NPST-12 | 3/4" OD PRE-SETTOOL | MS-ST-1210 | | | |
| NPST-14 | 7/8' OD PRE-SETTOOL | MS-ST-1410 | | | |
| NPST-16 | 1' OD PRE-SET TOOL | MS-ST-1610 | | | |



CANGZHOU QC HYDRAULICS CO., LTD

DOUBLE FERRULE & SINGLE FERRULE
STAINLESS STEEL INSTRUMENTATION TUBE FITTINGS
QC HYDRAULICS IS A STAINLESS STEEL MANUFACTURER



Tianzhuangzi Village, Zhifangtou Township, Cang County, Cangzhou City, Hebei Province, China.

E-mail: info@qchydraulics.com

Tel: +86-317-4953899 Fax: +86-317-4953796

Website: http://www.qchydraulics.com/