## **Data Sheet Instrumentation Fittings**



#### Leak free, reliable fittings for use in process, control, and instrumentation applications.

#### Applications

Flammable gases

Hydraulic gases

Corrosive media

- High pressure High temperature
- Nitrogen
- Helium

#### Installation Instructions

- 1. Cut tubing squarely and clean tube end thoroughly to remove burrs
- 2. Insert the tubing into the assembly making sure the tubing seats firm against the shoulder of the body and the nut is finger tight
- 3. Tighten the nut with a wrench 1-1/4 turns, while holding the body with a second wrench

NOTE: Instrumentation fittings come completely assembled **Suggested Working Pressures** 

Wall thk.	.028	.035	.049	.065	.083	.095	.109
1/4"	4,000	5,100	7,500	10,100			
3/8"		3,300	4,700	6,600			
1/2"		2,600	3,700	5,000	6,600		
5/8"			2,900	3,900	5,200	6,000	
3/4"			2,400	3,200	4,200	4,900	5,700

#### Features

- Fully interchangeable with Swagelok® and Parker A-Lok® fittings
- Double collet (ferrule) swaging action
- Two positive seal points
- ASTM material construction
- Material: 316 stainless steel
- Temperature ratings: -325°F to 1200°F (-198°C to 648°C)
- Pressure ratings: see chart to the left

NOTE: Ratings listed are for reference only

#### **Safety Guidelines**

- Never connect, disconnect, or remake a fitting with pressure in the system
- Make sure all fittings are properly installed
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and cause potential harm
- For proper sealing it is recommended that the tubing and fittings be of like material
- Always use proper thread lubricant and sealants on tapered pipe threads
- · Never bleed a system by loosening a fitting

316 Stainless Steel Connectors								
Tube O.D.	Male NPT	Interchanges	Male Part #	Interchanges	Female Part #	Pkg Qty		
1.(0)	1/8"-27	200-1-2	2-DMC-2	200-7-2	2-DFC-2	10		
1/8"	1/4"-18	200-1-4	2-DMC-4			10		
	1/8"-27	400-1-2	4-DMC-2	400-7-2	4-DFC-2	10		
1/4"	1/4"-18	400-1-4	4-DMC-4	400-7-4	4-DFC-4	10		
1/4	3/8"-18	400-1-6	4-DMC-6			10		
	1/2"-14	400-1-8	4-DMC-8			10		
	1/4"-18	600-1-4	6-DMC-4	600-7-4	6-DFC-4	10		
3/8"	3/8"-18	600-1-6	6-DMC-6			10		
	1/2"-14	600-1-8	6-DMC-8	600-7-8	6-DFC-8	10		
	1/4"-18	810-1-4	8-DMC-4			10		
1/2"	3/8"-18	810-1-6	8-DMC-6			10		
	1/2"-14	810-1-8	8-DMC-8	810-7-8	8-DFC-8	10		
5/8"	1/2"-14	1010-1-8	10-DMC-8	1010-7-8	10-DFC-8	10		
	1/2"-14	1210-1-8	12-DMC-8	1210-7-8	12-DFC-8	10		
3/4"	3/4"	1210-1-12	12-DMC-12	1210-7-12	12-DFC-12	10		
	1"	1210-1-16	12-DMC-16			10		
1"	3/4"	1610-1-12	16-DMC-12			10		
1	1"	1610-1-16	16-DMC-16	1610-7-16	16-DFC-16	10		

216 Stainlage Steel Connectors



male connector



female connector

#### 316 Stainless Steel Unions

Tube O.D.	Interchanges	Union Part #	Tube O.D.	Interchanges	Bulkhead Part #	Pkg Qty		
1/8" x 1/8"	200-6	2-DU	1/4"	400-61	4-DBHU-4	10		
1/4" x 1/8"	400-6-2	4-DU-2	3/8"	600-61	6-DBHU-6	10		
1/4" x 1/4"	400-6	4-DU	1/2"	810-61	8-DBHU-8	10		
3/8" x 1/4"	600-6-4	6-DU-4	5/8"	1010-61	10-DBHU-10	10		
3/8" x 3/8"	600-6	6-DU	3/4"	1210-16	12-DBHU-12	10		
1/2" x 1/2"	810-6	8-DU	1″	1610-16	16-DBHU-16	10		
5/8" x 5/8"	1010-6	10-DU				10		
3/4" x 3/4"	1210-6	12-DU				10		
1" x 1"	1610-6	16-DU				10		

### 316 Stainless Steel Reducers

Tube O.D.	Interchanges	Part #	Pkg Qty
1/4" x 1/8"	400-R-2	4-DRATT-2	10
3/8" x 1/4"	600-R-4	6-DRATT-4	10
3/8" x 1/2"	600-R-8	6-DRATT-8	10
1/2" x 3/4"	810-R-12	8-DRATT-12	10
3/4" x 1/2"	1210-R-8	12-DRATT-8	10
3/4" x 1"	1210-R-16	12-DRATT-16	10





bulkhead



reducer

#### **316 Stainless Steel Elbows**

Tube O.D.	NPT	Interchanges	Male Part #	Interchanges	Female Part #	Interchanges	Union Part #	Pkg Qty
1/4"	1/8"-27	400-2-2	4-DME-2			400-9	4-DELU-4	10
1/4	1/4"-18	400-2-4	4-DME-4	400-8-2	4-DFE-2			10
3/8"	1/4"-18	600-2-4	6-DME-4	600-8-4	6-DFE-4	600-9	6-DELU-6	10
3/8	3/8"-18	600-2-6	6-DME-6					10
1/2"	1/2"-14	810-2-8	8-DME-8	810-8-8	8-DFE-8	810-9	8-DELU-8	10
5/8"						1010-9	10-DELU-10	10
3/4"	1/2"-14	1210-2-8	12-DME-8	1210-8-8	12-DFE-8	1210-9		10
3/4	3/4"	1210-2-12	12-DME-12	1210-8-12	12-DFE-12		12-DELU-12	10
1"	3/4"	1610-2-12	16-DME-12			1610-9		10
1	1"	1610-2-16	16-DME-16	1610-8-16	16-DFE-16		16-DELU-16	10



#### 316 Stainless Steel Tees

Tube O.D.	NPT	Interchanges	Male Branch Part #	Interchanges	Female Branch Part #	Interchanges	Male Run Tees Part #	Pkg Qty
1/8"	1/8"-27	200-3TTM	2-DTTM-2			200-3TMT	2-DTMT-2	10
1/4"	1/4"-18	400-3-4TTM	4-DTTM-4	400-3-4TTF	4-DTTF-4	400-3-4TMT	4-DTMT-4	10
3/8"	1/4"-18					600-3TMT	6-DTMT-4	10
1/2"	3/8"	810-3TTM	8-DTTM-6			810-3TMT	8-DTMT-6	10
1/2"	1/2"	810-3-8TTM	8-DTTM-8			810-3-8TMT	8-DTMT-8	10
3/4"	1/2"	1210-3-8TTM	12-DTTM-8					10
3/4"	3/4"	1210-3TTM	12-DTTM-12			1210-3TMT	12-DTMT-12	10
1"	3/4"	1610-3-12TTM	16-DTTM-12					10
1"	1"	1610-3-16TTM	16-DTTM-16			1610-3-16TMT	16-DTMT-16	10

#### 316 Stainless Steel Union Tees

Tube O.D.	Interchanges	Part #	Pkg Qty
1/4"	400-3	4-DTTT-4	10
3/8"	600-3	6-DTTT-6	10
1/2"	810-3	8-DTTT-8	10
5/8"	1010-3	10-DTTT-10	10
3/4" x 3/8"	1210-3-12-6	12-DTTT-6	10
3/4" x 1/2"	1210-3-12-8	12-DTTT-8	10
3/4"	1210-3	12-DTTT-12	10
1" x 3/4"	1610-3-12-16	16-DTTT-12	10
1"	1610-3	16-DTTT-16	10



# union

200-3TMT	2-DTMT-2	10
400-3-4TMT	4-DTMT-4	10
600-3TMT	6-DTMT-4	10
810-3TMT	8-DTMT-6	10
810-3-8TMT	8-DTMT-8	10
		10
1210-3TMT	12-DTMT-12	10
		10
1610-3-16TMT	16-DTMT-16	10

male branch male run



female branch

#### 316 Stainless Steel Nuts

Tube O.D.	Interchanges	Part #	Pkg Qty
1/4"	402-1	DN-4	10
3/8"	602-1	DN-6	10
1/2"	812-1	DN-8	10
5/8"	1012-1	DN-10	10
3/4"	1212-1	DN-12	10
1"	1612-1	DN-16	10



nut

#### 316 Stainless Steel Caps and Plugs

Tube O.D.	Interchanges	Cap Part #	Interchanges	Plug Part #	Pkg Qty
1/4"	400-C	4-DCAP	400-P	4-DFPLUG	10
3/8"	600-C	6-DCAP	600-P	6-DFPLUG	10
1/2"	810-C	8-DCAP	810-P	8-DFPLUG	10
5/8"	1010-C	10-DCAP	1010-P	10-DFPLUG	10
3/4"	1210-C	12-DCAP	1210-P	12-DFPLUG	10
1"	1610-C	16-DCAP	1610-P	16-DFPLUG	10

#### **316 Stainless Steel Ferrules**

Tube O.D.	Interchanges	Front Part #	Interchanges	Rear Part #	Pkg Qty
1/8"	203-1	DFC-2	204-1	DRC-2	10
1/4"	403-1	DFC-4	404-1	DRC-4	10
3/8"	603-1	DFC-6	604-1	DRC-6	10
1/2"	813-1	DFC-8	814-1	DRC-8	10
5/8"	1013-1	DFC-10	1014-1	DRC-10	10
3/4"	1213-1	DFC-12	1214-1	DRC-12	10
1"	1613-1	DFC-16	1614-1	DRC-16	10



cap







rear ferrule

Dixon®'s couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Rubber Manufacturers Association's recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit RMA. org for more information. Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended. If any problem is detected, couplings must be removed from service immediately. Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877-963-4966 or click dixonvalve.com to learn more.

#### Dixon

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