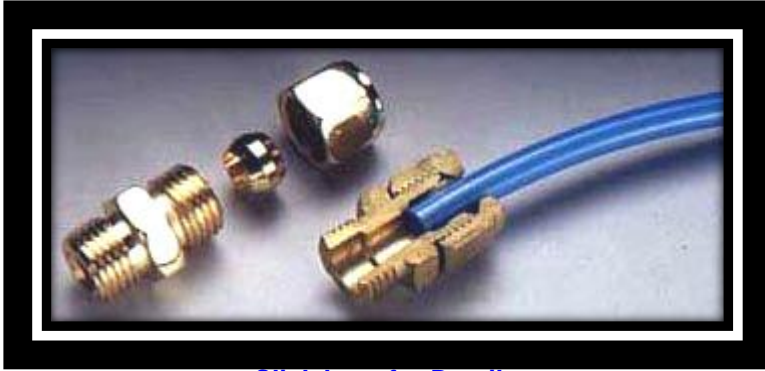


## COMPRESSION



[Click here for Details](#)

The Compression fittings are extensively use because of it's simplicity, efficiency, low cost and easy of assembly.

### Assembly Instructions

1. Slide nut, Sleeve onto tubing. The thread end of the nut must face out.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Assemble nut to body, and tighten the nut.

### Materials-Elbow and Tees

Brass forgings-Pioneer compression fittings are made from BS-218 material. The exceptional strength of forge fittings (Over 80% stronger than castings) provides an extra safety factor.

### Connectors, Unions and Nuts

Stress relieved brass bar stock-BS-249.

### Temperature Ranges

From - 65oF - 250oF

### Vibration

Fair resistance to vibration or tube movement, depending on applications involved. Use long nut for additional resistance to vibration.

### Applications

Use with copper, brass and aluminium. Not recommended for steel tubing manufactured for low & medium pressure tubing connection work where excessive vibrations or tube movement is not involved. This fittings is widely used for connecting gasoline, grease, oil, water, vacuum and air lines

### Working Pressure Ranges

Temperature and type of tubings used are important factors. However, the following table is good guide for proper selection at temperature 60 F.

PSI	TUBE O.D.(in)	Tube Wall (in)
400	1/8	.030
400	3/16	.030
300	1/4	.030
300	5/16	.032
200	3/8	.032
200	1/2	.032
150	5/8	.035
100	3/4	.035
75	7/8	.035

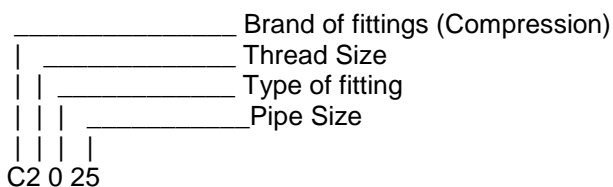
### Ordering Information

To order, simply specify catalogue number for configuration and size desired.

### Example

1/4" tube X 1/4" BSP

### Male Connection. Code No. C - 2025.



## COMPRESSION

MALE STUD



STUD ELBOW



Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1003	3	1/8	C1016	1/8
C1004	4	1/8	C1017	5/32
C1005	5	1/8	C1018	3/16
C2005	5	1/4	C2018	3/16
C1006	6	1/8	C1025	1/4
C2006	6	1/4	C2025	1/4
C1008	8	1/8	C1030	5/16
C2008	8	1/4	C2030	5/16
C2010	10	1/4	C2038	3/8
C3010	10	3/8	C3038	3/8
C4010	10	1/2	C4038	3/8
C2012	12	1/4	C2050	1/2
C3012	12	3/8	C3050	1/2
C4012	12	1/2	C4050	1/2
C4016	16	1/2	C4062	5/8
C5016	16	3/4	C5062	5/8
C4019	19	1/2	C4075	3/4
C5019	19	3/4	C5075	3/4
C6025	25	1	C6000	1

Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1103	3	1/8	C1116	1/8
C1104	4	1/8	C1117	5/32
C1105	5	1/8	C1118	3/16
C2105	5	1/4	C2118	3/16
C1106	6	1/8	C1125	1/4
C2106	6	1/4	C2125	1/4
C1108	8	1/8	C1130	5/16
C2108	8	1/4	C2130	5/16
C2110	10	1/4	C2138	3/8
C3110	10	3/8	C3138	3/8
C4110	10	1/2	C4138	3/8
C2112	12	1/4	C2150	1/2
C3112	12	3/8	C3150	1/2
C4112	12	1/2	C4150	1/2
C4116	16	1/2	C4162	5/8
C5116	16	3/4	C5162	5/8
C4119	19	1/2	C4175	3/4
C5119	19	3/4	C5175	3/4
C6125	25	1	C6100	1

RUN TEE



BRANCH TEE



Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1203	3	1/8	C1216	1/8
C1204	4	1/8	C1217	5/32
C1205	5	1/8	C1218	3/16
C2205	5	1/4	C2218	3/16
C1206	6	1/8	C1225	1/4
C2206	6	1/4	C2225	1/4
C1208	8	1/8	C1230	5/16
C2208	8	1/4	C2230	5/16
C2210	10	1/4	C2238	3/8
C3210	10	3/8	C3238	3/8
C4210	10	1/2	C4238	3/8
C2212	12	1/4	C2250	1/2
C3212	12	3/8	C3259	1/2
C4212	12	1/2	C4250	1/2
C4216	16	1/2	C4262	5/8
C5216	16	3/4	C5262	5/8
C4219	19	1/2	C4275	3/4
C5219	19	3/4	C5275	3/4
C6225	25	1	C6200	1

Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1303	3	1/8	C1316	1/8
C1304	4	1/8	C1317	5/32
C1305	5	1/8	C1318	3/16
C2305	5	1/4	C2318	3/16
C1306	6	1/8	C1325	1/4
C2306	6	1/4	C2325	1/4
C1308	8	1/8	C1330	5/16
C2308	8	1/4	C2330	5/16
C2310	10	1/4	C2338	3/8
C3310	10	3/8	C3338	3/8
C4310	10	1/2	C4338	3/8
C2312	12	1/4	C2350	1/2
C3312	12	3/8	C3350	1/2
C4312	12	1/2	C4350	1/2
C4316	16	1/2	C4362	5/8
C5316	16	3/4	C5362	5/8
C4319	19	1/2	C4375	3/4
C5319	19	3/4	C5375	3/4
C6325	25	1	C6300	1

**FEMALE RUN TEE**



**FEMALE BRANCH TEE**



Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1403	3	1/8	C1416	1/8
C1404	4	1/8	C1417	5/32
C1405	5	1/8	C1418	3/16
C2405	5	1/4	C2418	3/16
C1406	6	1/8	C1425	1/4
C2406	6	1/4	C2425	1/4
C1408	8	1/8	C1430	5/16
C2408	8	1/4	C2430	5/16
C2410	10	1/4	C2438	3/8
C3410	10	3/8	C3438	3/8
C4410	10	1/2	C4438	3/8
C2412	12	1/4	C2450	1/2
C3412	12	3/8	C3450	1/2
C4412	12	1/2	C4450	1/2
C4416	16	1/2	C4462	5/8
C5416	16	3/4	C5462	5/8
C4419	19	1/2	C4475	3/4
C5419	19	3/4	C5475	3/4
C6425	25	1	C6400	1

Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1503	3	1/8	C1516	1/8
C1504	4	1/8	C1517	5/32
C1505	5	1/8	C1518	3/16
C2505	5	1/4	C2518	3/16
C1506	6	1/8	C1525	1/4
C2506	6	1/4	C2525	1/4
C1508	8	1/8	C1530	5/16
C2508	8	1/4	C2530	5/16
C2510	10	1/4	C2538	3/8
C3510	10	3/8	C3538	3/8
C4510	10	1/2	C4538	3/8
C2512	12	1/4	C2550	1/2
C3512	12	3/8	C3550	1/2
C4512	12	1/2	C4550	1/2
C4516	16	1/2	C4562	5/8
C5516	16	3/4	C5562	5/8
C4519	19	1/2	C4575	3/4
C5519	19	3/4	C5575	3/4
C6525	25	1	C6500	1

**FEMALE ELBOW**



**FEMALE STUD**



Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1603	3	1/8	C1616	1/8
C1604	4	1/8	C1617	5/32
C1605	5	1/8	C1618	3/16
C2605	5	1/4	C2618	3/16
C1606	6	1/8	C1625	1/4
C2606	6	1/4	C2625	1/4
C1608	8	1/8	C1630	5/16
C2608	8	1/4	C2630	5/16
C2610	10	1/4	C2638	3/8
C3610	10	3/8	C3638	3/8
C4610	10	1/2	C4638	3/8
C2612	12	1/4	C2650	1/2
C3612	12	3/8	C3650	1/2
C4612	12	1/2	C4650	1/2
C4616	16	1/2	C4662	5/8
C5616	16	3/4	C5662	5/8
C4619	19	1/2	C4675	3/4
C5619	19	3/4	C5675	3/4
C6625	25	1	C6600	1

Code No.	Tube O.D.	Thread B.S.P.	Code No.	Tube O.D.
	MM			INCH
C1803	3	1/8	C1816	1/8
C1804	4	1/8	C1817	5/32
C1805	5	1/8	C1818	3/16
C2805	5	1/4	C2818	3/16
C1806	6	1/8	C1825	1/4
C2806	6	1/4	C2825	1/4
C1808	8	1/8	C1830	5/16
C2808	8	1/4	C2830	5/16
C2810	10	1/4	C2838	3/8
C3810	10	3/8	C3838	3/8
C4810	10	1/2	C4838	3/8
C2812	12	1/4	C2850	1/2
C3812	12	3/8	C3850	1/2
C4812	12	1/2	C4850	1/2
C4816	16	1/2	C4862	5/8
C5816	16	3/4	C5862	5/8
C4819	19	1/2	C4875	3/4
C5819	19	3/4	C5875	3/4
C6825	25	1	C6800	1

**TUBE TO TUBE FITTINGS**

**ELBOW**



**TEE**



Code No.	Tube O.D.	Code No.	Tube O.D.
	MM		INCH
C0103	3	C0116	1/8
C0104	4	C0117	5/32
C0105	5	C0118	3/16
C0106	6	C0125	1/4
C0108	8	C0130	5/16
C0110	10	C0138	3/8
C0112	12	C0150	1/2
C0116	16	C0162	5/8
C0119	19	C0175	3/4
C0125	25	C0100	1

Code No.	Tube O.D.	Code No.	Tube O.D.
	MM		INCH
C0203	3	C0216	1/8
C0204	4	C0217	5/32
C0205	5	C0218	3/16
C0206	6	C0225	1/4
C0208	8	C0230	5/16
C0210	10	C0238	3/8
C0212	12	C0250	1/2
C0216	16	C0262	5/8
C0219	19	C0275	3/4
C0225	25	C0200	1

**BULKHEAD**



Code No.	Tube O.D.	Code No.	Tube O.D.
	MM		INCH
C0703	3	C0716	1/8
C0704	4	C0717	5/32
C0705	5	C0718	3/16
C0706	6	C0725	1/4
C0708	8	C0730	5/16
C0710	10	C0738	3/8
C0712	12	C0750	1/2
C0716	16	C0762	5/8
C0719	19	C0775	3/4
C0725	25	C0700	1

**FERRUL AND NUT**

**FERRUL10**



**NUT**



Tube O.D.1	Tube O.D.
MM	INCH
3	1/8
4	5/32
5	3/16
6	1/4
8	5/16
10	3/8
12	1/2
16	5/8
19	3/4
25	1

Tube O.D.	Tube O.D.
MM	INCH
3	1/8
4	5/32
5	3/16
6	1/4
8	5/16
10	3/8
12	1/2
16	5/8
19	3/4
25	1