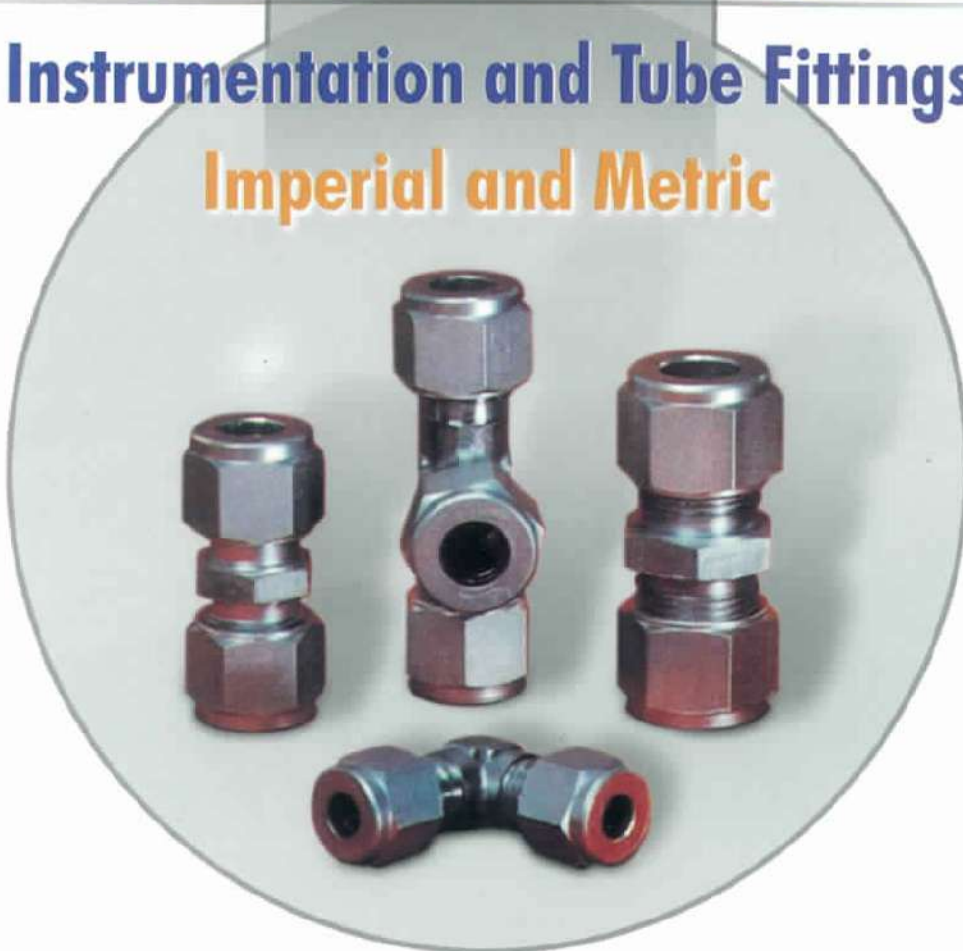




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**Imperial and Metric**



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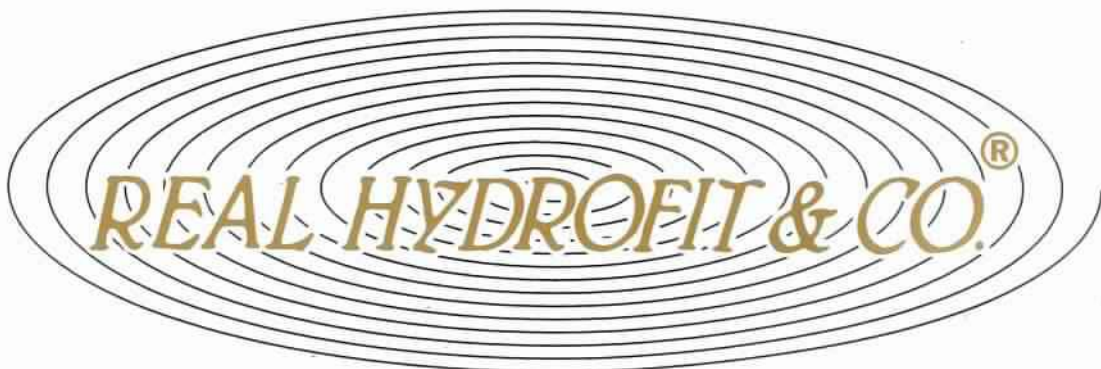
Expanded range to cover instrumentation and tube fittings.

In existence for more than three decades.

Known for strictly adhering to quality standards and delivery commitments.

Workmanship, performance stands true to our name.












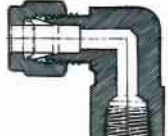
***R**eliable **E**conomical **A**ccountable & **L**asting.*

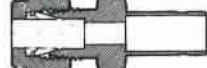


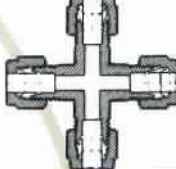
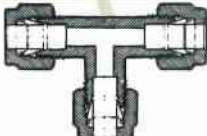

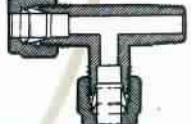





Our Hobbies are Quality, Performance and Silence

# Reohyde

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Technical specifications are given for sizes up to 1 Inch  
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# Reohyde

## Double Ring Connection

Reohyde double ring compression fittings have been developed to complete the compression fittings range.

The advantages of this type of fitting are the following:

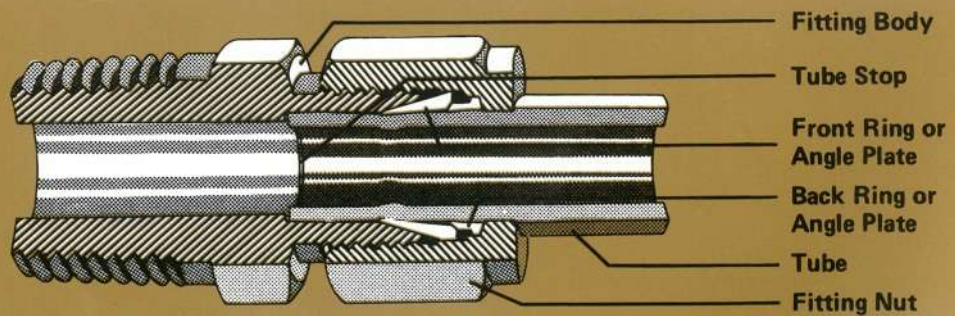
- Facility of assembling with self aligning front and back rings.
- Low tightening torque (the nut is of non-binding design).
- Controlled tightening effect, distortion of the tube without rupture of fibres, minimum reduction of tube bore size.
- No twisting of the tube when fitting.
- Withstands high vacuum and pressure.
- Re-usable, can be assembled and taken apart several times.
- Recommended for use with thin and thick walled tube.

Reohyde couplings and compression rings are made from 316 stainless steel. Material certificates are available.

All common sizes of fittings will be stocked but specials can be made to order. The fittings are designed for tube sizes 3/16" to 1", 4mm to 25mm, outside diameter. Stud sizes are 1/8" to 1", NPT, API, ISO Parallel and ISO Taper.

### The Reohyde Double Ring Connection

This cut-away section of a Reohyde fitting show the sealing action which takes place when the assembly is fully tightened.



The Reohyde double ring connection is a high safety device operating by compression. It avoids threading soldering swageing or crimping the tube and permits rapid, easy and reliable connections where dismantlable tubes require perfect tightness, both under pressure and high vacuum levels as well as under severe temperature and vibration conditions.

As a result of the force developed by the nut when tightened, the two rings bite into the tube with their leading internal edges. This forces the tube up to the stop within the body. At the same time the rear ring then takes up a set, so that its rear internal edge starts to grip the tube, thus ensuring a tight grip and seal.

The Reohyde double ring connection consists of:

- a body
- a front ring
- a rear ring
- a nut providing the tightening element.

The Reohyde double ring connection does not in any way reduce the strength of the tube. Therefore tubes with very thin walls can be used without affecting the safety of your installations.

Reohyde connections can also be used on plastic or glass tubes; in the latter case Teflon rings are used. These ensure perfect tightness on glass without the risk of breakage.

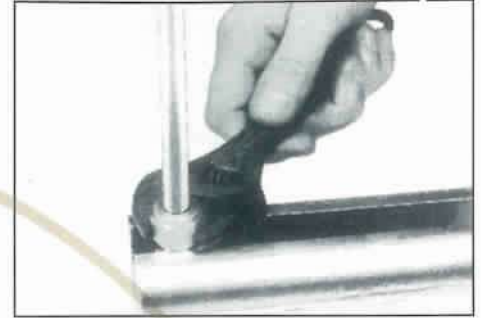


# Reohyde

## Assembly Instructions



Insert the tubing through the nut and rings until it comes up to the tube stop.



Ensure that the nut is finger tight, then simply tighten the nut 1¼ turns.

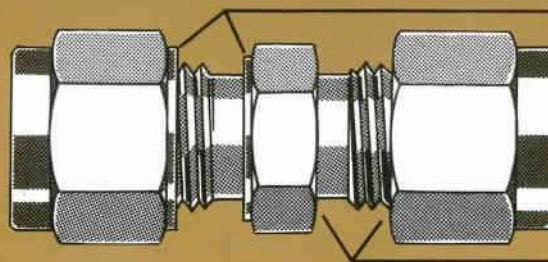
### Reassembly of Reohyde Fittings

Reohyde fittings may be assembled and disassembled repeatedly. The following instructions should be followed for reassembly :

- Insert the tubing end with the previously set rings into the fitting body and tighten the nut until hand-tight.
- Tighten the nut with a wrench until a sharp rise in torque is felt, then snug with wrench.

### Identification of Reohyde Fittings

For ease of identification, Reohyde fittings in metric sizes have an additional stepped shoulder on the nuts and the bodies to distinguish them from imperial sizes.



Metric Tube End with Stepped Shoulder on Nut and Fitting

Imperial Tube End

### Reohyde Part Numbering and Ordering

The part numbers of Reohyde fittings are established as follows :

The first number represents the tube o/d size.

A small letter "m" following this number identifies the o/d size in mm, e.g 4m denotes 4mm o/d size.

If the first digit is not followed by "m", the number denotes the o/d size in sixteenths of an inch, e.g. 4 denotes ¼"

The letters following the size identification are the code for that particular fitting, e.g MC for a Male Connector.

The last number represents the stud thread size.



















As with the o/d sizes, the thread sizes are expressed in sixteenths of an inch, thus stud thread sizes are as below:

1/8" = 2	1/4" = 4	3/8" = 6	1/2" = 8
5/8" = 10	3/4" = 12	7/8" = 14	1" = 16

Please state whether API, NPT or BSPT<sub>r</sub> threads are required.

When ordering please use the part numbers used in this catalogue.

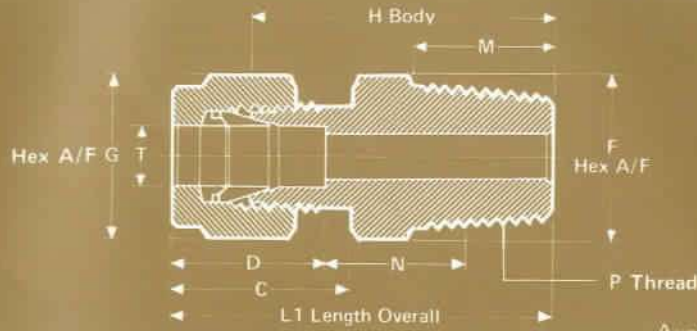
# Reohyde Tube Fittings

<p><b>UNION TEE</b></p> 	<p><b>MALE RUN TEE</b></p> 	<p><b>MALE BRANCH TEE</b></p> 
<p><b>FEMALE RUN TEE</b></p> 	<p><b>UNION CROSS</b></p> 	<p><b>FEMALE BRANCH TEE</b></p> 
<p><b>UNION ELBOW-90°</b></p> 	<p><b>MALE ELBOW - 90°</b></p> 	<p><b>FEMALE ELBOW - 90°</b></p> 
<p><b>MALE CONNECTOR</b></p> 	<p><b>BULKHEAD MALE CONNECTOR</b></p> 	<p><b>FEMALE CONNECTOR</b></p> 
<p><b>MALE ELBOW-45°</b></p> 	<p><b>BULK HEAD FEMALE CONNECTION</b></p> 	<p><b>UNION</b></p> 
<p><b>SOFT WELD ELBOW - 90°</b></p> 	<p><b>BULKHEAD UNION</b></p> 	<p><b>REDUCING UNION</b></p> 



# Reohyde

## Male Connectors



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body	N
4mMC2	4	1/8"	31.35	9.53	16.67	14.29	12	12	24.21	10.72
4mMC4	4	1/4"	35.72	14.29	16.67	14.29	14	12	29.37	15.88
6mMC2	6	1/8"	33.34	9.53	18.26	15.88	14	14	25.40	11.11
6mMC4	6	1/4"	33.34	14.29	18.26	15.88	14	14	30.16	12.70
6mMC6	6	3/8"	38.89	14.29	18.26	15.88	19	14	30.96	13.49
6mMC8	6	1/2"	44.45	19.05	18.26	15.88	22	14	36.51	15.88
8mMC2	8	1/8"	34.53	9.53	19.05	16.67	14	17	26.59	11.51
8mMC4	8	1/4"	39.29	14.29	19.05	16.67	14	17	31.35	13.10
10mMC2	10	1/8"	35.72	9.53	19.84	17.46	17	19	27.78	11.91
10mMC4	10	1/4"	40.48	14.29	19.84	17.46	17	19	32.54	13.49
10mMC6	10	3/8"	40.48	14.29	19.84	17.46	19	19	32.54	13.49
10mMC8	10	1/2"	46.04	19.05	19.84	17.46	22	19	38.10	15.88
10mMC12	10	3/4"	46.83	19.05	19.84	17.46	27	19	38.89	15.08
12mMC4	12	1/4"	43.66	14.29	22.23	23.02	22	22	33.34	11.11
12mMC6	12	3/8"	43.66	14.29	22.23	23.02	22	22	33.34	11.11
12mMC8	12	1/2"	48.42	19.05	22.23	23.02	22	22	38.10	12.70
12mMC12	12	3/4"	49.21	19.05	22.23	23.02	27	22	38.89	11.91
16mMC6	16	3/8"	44.45	14.29	22.23	24.61	24	27	34.13	10.32
16mMC8	16	1/2"	49.21	19.05	22.23	24.61	24	27	38.89	11.91
16mMC12	16	3/4"	49.21	19.05	22.23	24.61	27	27	38.89	10.32
18mMC8	18	1/2"	50.80	19.05	22.23	24.61	27	30	40.48	13.49
18mMC12	18	3/4"	50.80	19.05	22.23	24.61	27	30	40.48	10.32
18mMC16	18	1"	56.36	23.81	22.23	24.61	36	30	46.04	14.29
20mMC8	20	1/2"	50.80	19.05	22.23	24.61	27	30	40.48	13.49
20mMC12	20	3/4"	50.80	19.05	22.23	24.61	27	30	40.48	10.32
20mMC16	20	1"	56.36	23.81	22.23	24.61	36	30	46.04	14.39
25mMC12	25	3/4"	57.15	19.05	26.19	30.96	36	41	45.24	11.91
25mMC16	25	1"	61.91	23.81	26.19	30.96	36	41	50.01	13.49

### IMPERIAL RANGE

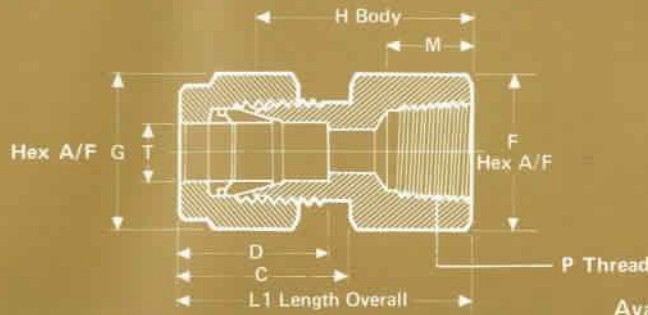
Dimensions in inches.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body	N
1MC1	1/16	1/16	.94	.38	.44	.34	5/16	5/16	.78	.34
1MC2	1/16	1/8	1.00	.38	.44	.34	1/2	5/16	.84	.41
2MC1	1/8	1/16	1.19	.38	.63	.53	1/2	7/16	.91	.41
2MC2	1/8	1/8	1.19	.38	.63	.53	1/2	7/16	.91	.41
2MC4	1/8	1/4	1.41	.56	.63	.53	9/16	7/16	1.13	.50
3MC2	3/16	1/8	1.21	.38	.63	.54	7/16	1/2	.95	.43
3MC4	3/16	1/4	1.42	.56	.63	.54	9/16	1/2	1.16	.54
4MC1	1/4	1/16	1.29	.38	.70	.60	1/2	9/16	1.00	.46
4MC2	1/4	1/8	1.29	.38	.70	.60	1/2	9/16	1.00	.45
4MC4	1/4	1/4	1.50	.56	.72	.63	9/16	9/16	1.19	.50
4MC6	1/4	3/8	1.51	.56	.70	.60	11/16	9/16	1.19	.56
4MC8	1/4	1/2	1.73	.75	.70	.60	7/8	9/16	1.44	.67
5MC2	5/16	1/8	1.34	.38	.73	.64	9/16	5/8	1.05	.46
5MC4	5/16	1/4	1.52	.56	.73	.64	9/16	5/8	1.23	.54
6MC2	3/8	1/8	1.38	.38	.76	.66	5/8	11/16	1.09	.48
6MC4	3/8	1/4	1.57	.56	.76	.66	5/8	11/16	1.28	.57
6MC6	3/8	3/8	1.57	.56	.76	.66	11/16	11/16	1.28	.56
6MC8	3/8	1/2	1.79	.75	.76	.66	7/8	11/16	1.50	.67
6MC12	3/8	3/4	1.82	.75	.76	.66	1-1/16	11/16	1.53	.68
8MC4	1/2	1/4	1.71	.56	.86	.90	13/16	7/8	1.31	.47
8MC6	1/2	3/8	1.71	.56	.86	.90	13/16	7/8	1.31	.46
8MC8	1/2	1/2	1.90	.75	.86	.90	7/8	7/8	1.50	.54
8MC12	1/2	3/4	1.93	.75	.86	.90	1-1/16	7/8	1.53	.55
10MC6	5/8	3/8	1.74	.56	.86	.96	15/16	1	1.34	.43
10MC8	5/8	1/2	1.93	.75	.86	.96	15/16	1	1.53	.51
10MC12	5/8	3/4	1.93	.75	.86	.96	1-1/16	1	1.53	.49
12MC8	3/4	1/2	1.99	.75	.86	.96	1-1/16	1-1/8	1.59	.57
12MC12	3/4	3/4	1.99	.75	.86	.96	1-1/16	1-1/8	1.59	.55
12MC16	3/4	1	2.21	.94	.86	.96	1-3/8	1-1/8	1.81	.68
16MC12	1	3/4	2.26	.75	1.04	1.23	1-3/8	1-1/2	1.78	.55
16MC16	1	1	2.45	.94	1.04	1.23	1-3/8	1-1/2	1.97	.65



# Reohyde

## Female Connectors



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body
4mFC2	4	1/8"	30.16	10	16.67	14.29	14	12	23.02
6mFC2	6	1/8"	31.75	10	18.26	15.88	14	14	23.81
6mFC4	6	1/4"	36.51	14	18.26	15.88	19	14	28.58
6mFC6	6	3/8"	38.07	14	18.26	15.88	22	14	30.16
6mFC8	6	1/2"	43.66	19	18.26	15.88	27	14	35.72
8mFC2	8	1/8"	32.54	10	19.05	16.67	14	17	24.61
8mFC4	8	1/4"	37.31	14	19.05	16.67	19	17	29.37
10mFC2	10	1/8"	33.34	10	19.84	17.46	17	19	25.40
10mFC4	10	1/4"	38.10	14	19.84	17.46	19	19	30.16
10mFC6	10	3/8"	39.69	14	19.84	17.46	22	19	31.75
10mFC8	10	1/2"	44.45	19	19.84	17.46	27	19	36.51
12mFC4	12	1/4"	42.07	14	22.23	23.02	22	22	31.75
12mFC6	12	3/8"	42.07	14	22.23	23.02	22	22	31.75
12mFC8	12	1/2"	46.83	19	22.23	23.02	27	22	36.51
16mFC8	16	1/2"	46.83	19	22.23	24.61	27	27	36.51
18mFC8	18	1/2"	46.83	19	22.23	24.61	27	30	36.51
18mFC12	18	3/4"	48.42	19	22.23	24.61	32	30	38.10
20mFC8	20	1/2"	46.83	19	22.23	24.61	27	30	36.51
20mFC12	20	3/4"	48.42	19	22.23	24.61	32	30	38.10
25mFC12	25	3/4"	53.18	19	26.19	31.75	36	41	41.28
25mFC16	25	1"	61.91	24	26.19	30.96	41	41	50.01

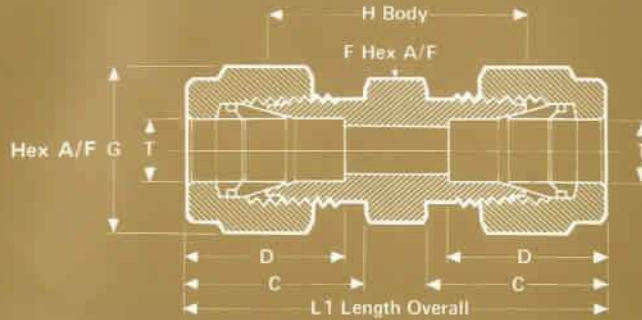
### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body
1FC1	1/16	1/16	.94	.36	.44	.34	1/2	5/16	.78
2FC2	1/8	1/8	1.16	.39	.63	.53	9/16	7/16	.88
2FC4	1/8	1/4	1.34	.59	.63	.53	3/4	7/16	1.06
3FC2	3/16	1/8	1.17	.39	.63	.54	9/16	9/16	.91
4FC2	1/4	1/8	1.23	.39	.70	.60	9/16	9/16	.94
4FC4	1/4	1/4	1.41	.59	.70	.60	3/4	9/16	1.12
4FC6	1/4	3/8	1.48	.59	.70	.60	7/8	9/16	1.19
4FC8	1/4	1/2	1.70	.78	.70	.60	1-1/16	9/16	1.41
5FC2	5/16	1/8	1.26	.39	.73	.64	3/4	5/8	.97
5FC4	5/16	1/4	1.45	.59	.73	.64	3/4	5/8	1.16
6FC2	3/8	1/8	1.29	.39	.76	.66	5/8	11/16	1.00
6FC4	3/8	1/4	1.48	.59	.76	.66	3/4	11/16	1.19
6FC6	3/8	3/8	1.54	.59	.76	.66	7/8	11/16	1.25
6FC8	3/8	1/2	1.73	.78	.76	.66	1-1/16	11/16	1.44
8FC4	1/2	1/4	1.65	.59	.86	.90	13/16	7/8	1.25
8FC6	1/2	3/8	1.65	.59	.86	.90	7/8	7/8	1.25
8FC8	1/2	1/2	1.84	.78	.86	.90	1-1/16	7/8	1.44
10FC6	5/8	3/8	1.65	.59	.86	.96	15/16	1	1.25
10FC8	5/8	1/2	1.84	.78	.86	.96	1-1/16	1	1.44
12FC8	3/4	1/2	1.84	.78	.86	.96	1-1/16	1-1/8	1.44
12FC12	3/4	3/4	1.90	.81	.86	.96	1-5/16	1-1/8	1.50
16FC12	1	3/4	2.10	.81	1.04	1.23	1-3/8	1-1/2	1.62
16FC16	1	1	2.45	1.00	1.04	1.23	1-5/8	1-1/2	1.97

# Reohyde

## Equal Unions



### METRIC RANGE

### Dimensions in mm.

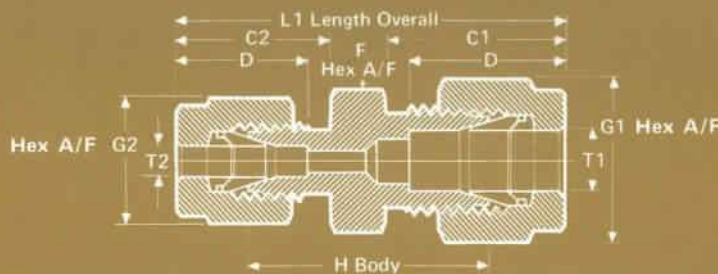
Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body
4mU	4	38.50	16.67	14.29	12	12	24.21
6mU	6	42.07	18.26	15.88	14	14	26.19
8mU	8	44.04	19.05	16.67	14	17	28.18
10mU	10	46.04	19.84	17.46	17	19	30.16
12mU	12	51.59	22.23	23.01	22	22	30.96
16mU	16	52.39	22.23	24.61	24	27	31.75
18mU	18	53.98	22.23	24.61	27	30	33.34
20mU	20	53.98	22.23	24.61	27	30	33.34
25mU	25	64.29	26.19	30.96	36	41	40.48

### IMPERIAL RANGE

### Dimensions in inches.

Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body
1U	1/16	1.00	.44	.34	5/16	5/16	.69
2U	1/8	1.44	.63	.53	1/2	7/16	.88
3U	3/16	1.47	.63	.54	7/16	1/2	.95
4U	1/4	1.61	.70	.60	1/2	9/16	1.03
5U	5/16	1.68	.73	.64	9/16	5/8	1.10
6U	3/8	1.77	.76	.66	5/8	11/16	1.19
8U	1/2	2.02	.86	.90	13/16	7/8	1.22
10U	5/8	2.05	.86	.96	15/16	1	1.25
12U	3/4	2.11	.86	.96	1-1/16	1-1/8	1.31
16U	1	2.55	1.04	1.23	1-3/8	1-1/2	1.59

## Unequal Unions



### METRIC RANGE

### Dimensions in mm.

Part No.	T1 o/d	T2 o/d	L1 Length	C1	C2	F Body	G1 Nut	G2 Nut	H Body
6- 4mRU	6	4	40.48	19.97	19.05	14	14	12	25.40
8- 6mRU	8	6	43.26	19.05	19.97	14	17	14	27.38
10- 6mRU	10	6	44.45	19.84	19.97	17	19	14	28.58
10- 8mRU	10	8	45.24	19.84	19.05	17	19	17	29.37
12- 6mRU	12	6	47.63	22.23	19.97	22	22	14	29.37
12-10mRU	12	10	49.21	22.23	19.84	22	22	19	30.96
16-10mRU	16	10	50.01	22.23	19.84	24	27	19	31.75
16-12mRU	16	12	52.39	22.23	22.23	24	27	22	31.75
20-12mRU	20	12	53.98	22.23	22.23	27	30	22	33.34
20-16mRU	20	16	53.98	22.23	22.23	27	30	27	33.34
25-20mRU	25	20	60.32	26.19	22.23	36	41	30	38.10

### IMPERIAL RANGE

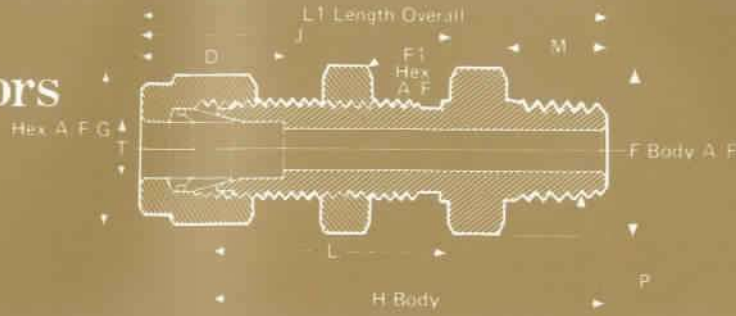
### Dimensions in inches.

Part No.	T1 o/d	T2 o/d	L1 Length	C1	C2	F Body	G1 Nut	G2 Nut	H Body
2RU1	1/8	1/16	1.25	.63	.44	1/2	7/16	5/16	.81
3RU2	3/16	1/8	1.48	.66	.63	1/2	1/2	7/16	.92
4RU1	1/4	1/16	1.37	.72	.44	1/2	9/16	5/16	.91
4RU2	1/4	1/8	1.56	.72	.63	1/2	9/16	7/16	.97
4RU3	1/4	3/16	1.55	.70	.63	1/2	9/16	1/2	1.00
5RU4	5/16	1/4	1.66	.73	.70	9/16	5/8	9/16	1.08
6RU4	3/8	1/4	1.70	.76	.70	5/8	11/16	9/16	1.12
6RU5	3/8	5/16	1.74	.76	.73	5/8	11/16	5/8	1.16
8RU4	1/2	1/4	1.85	.86	.70	13/16	7/8	9/16	1.16
8RU6	1/2	3/8	1.91	.86	.76	13/16	7/8	11/16	1.22
10RU6	5/8	3/8	1.94	.86	.76	15/16	1	11/16	1.25
10RU8	5/8	1/2	2.05	.86	.86	15/16	1	7/8	1.25
12RU8	3/4	1/2	2.11	.86	.86	1-1/16	1-1/8	7/8	1.31
12RU10	3/4	5/8	2.11	.86	.86	1-1/16	1-1/8	1	1.31
16RU12	1	3/4	2.47	1.04	.86	1-3/8	1-1/2	1-1/8	1.59



# Reohyde

## Bulkhead Male Connectors

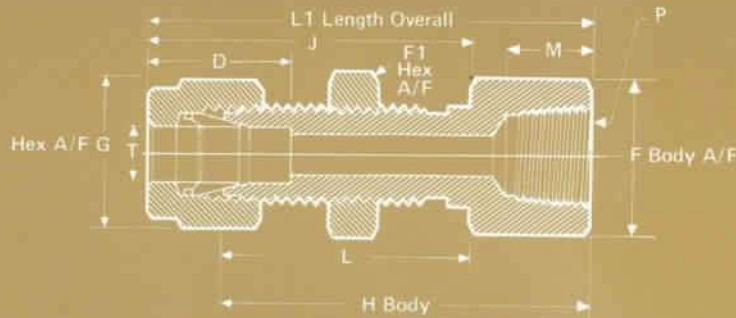


### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	P	M	D	F Body	G Nut	F1	H	J	L	L1	Panel Hole	Max. Panel
4MBH2	1/4	1/8	.38	.60	5/8	9/16	5/8	1.66	1.32	1.03	1.95	29/64	.40
4MBH4	1/4	1/4	.56	.60	5/8	9/16	5/8	1.81	1.32	1.03	2.10	29/64	.40
6MBH4	3/8	1/4	.56	.66	3/4	11/16	3/4	1.97	1.45	1.16	2.26	37/64	.44
8MBH8	1/2	1/2	.75	.90	15/16	7/8	15/16	2.28	1.65	1.25	2.68	49/64	.50

## Bulkhead Female Connectors



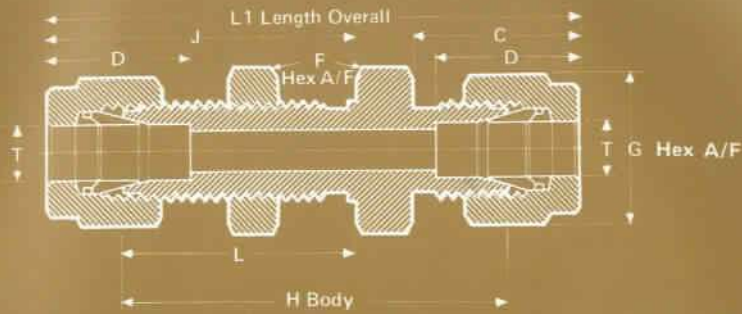
### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	P	M	D	F Body	G Nut	F1	H	J	L	L1	Panel Hole	Max. Panel
4FBH2	1/4	1/8	.39	.60	5/8	9/16	5/8	1.56	1.32	1.32	1.85	29/64	.40
4FBH4	1/4	1/4	.59	.60	3/4	9/16	5/8	1.75	1.32	1.32	2.04	29/64	.40
6FBH4	3/8	1/4	.59	.66	3/4	11/16	3/4	1.88	1.45	1.45	2.17	37/64	.44
8FBH6	1/2	3/8	.59	.90	15/16	7/8	15/16	2.03	1.65	1.65	2.43	49/64	.50
8FBH8	1/2	1/2	.78	.90	1-1/16	7/8	15/16	2.22	1.65	1.65	2.62	49/64	.50

# Reohyde

## Bulkhead Unions



### METRIC RANGE

Dimensions in mm.

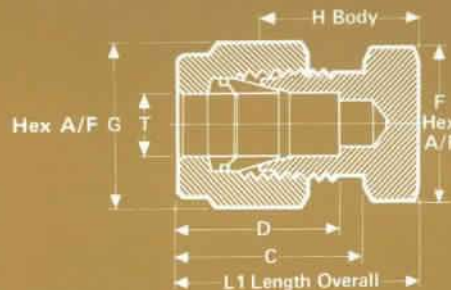
Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body	J	L
4mBHU	4	54.77	16.67	14.30	14	12	40.48	32.54	25.40
6mBHU	6	58.74	18.26	15.88	17	14	42.86	34.13	26.10
8mBHU	8	61.91	19.05	16.67	17	17	46.04	36.51	28.50
10mBHU	10	63.50	19.84	17.46	19	19	47.63	37.71	29.30
12mBHU	12	71.44	22.23	23.02	24	22	50.80	42.07	31.70
16mBHU	16	73.03	22.23	24.61	27	27	52.39	42.86	32.50
18mBHU	18	79.38	22.23	24.61	30	30	58.74	47.63	37.30
20mBHU	20	79.38	22.23	24.61	30	30	58.74	47.63	37.30
25mBHU	25	95.25	26.19	30.96	41	41	71.44	57.15	45.20

### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body	J	L
2BHU	1/8	2.10	.63	.53	1/2	7/16	.77	1.25	.97
3BHU	3/16	2.11	.63	.54	9/16	1/2	1.59	1.26	1.00
4BHU	1/4	2.27	.70	.60	5/8	9/16	1.69	1.32	1.03
5BHU	5/16	2.39	.73	.64	11/16	5/8	1.81	1.41	1.12
6BHU	3/8	2.46	.76	.66	3/4	11/16	1.88	1.45	1.16
8BHU	1/2	2.80	.86	.90	15/16	7/8	2.00	1.65	1.25
10BHU	5/8	2.87	.86	.96	1	1	2.06	1.69	1.28
12BHU	3/4	3.11	.86	.96	1-3/16	1-1/8	2.31	1.87	1.47
16BHU	1	3.75	1.04	1.23	1-5/8	1-1/2	2.81	2.26	1.78

## Caps



### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body
4mCAP	4	21.83	16.67	14.29	12	12	14.68
6mCAP	6	23.81	18.26	15.88	14	14	15.88
8mCAP	8	25.00	19.05	16.67	14	17	17.67
10mCAP	10	26.19	19.84	17.46	17	19	18.26
12mCAP	12	29.37	22.23	23.02	22	22	19.05
16mCAP	16	30.16	22.23	24.61	24	27	19.84
18mCAP	18	31.75	22.23	24.61	27	30	21.43
20mCAP	20	31.75	22.23	24.61	27	30	21.43
25mCAP	25	38.10	26.19	30.96	36	41	26.19

### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	L1 Length	C	D	F Body	G Nut	H Body
1CAP	1/16	.59	.44	.34	5/16	5/16	.44
2CAP	1/8	.81	.63	.53	1/2	7/16	.53
3CAP	3/16	.84	.63	.54	7/16	1/2	.58
4CAP	1/4	.91	.70	.60	1/2	9/16	.62
5CAP	5/16	.96	.73	.64	9/16	5/8	.67
6CAP	3/8	1.01	.76	.66	5/8	11/16	.72
8CAP	1/2	1.15	.86	.90	13/16	7/8	.75
10CAP	5/8	1.18	.86	.96	15/16	1	.78
12CAP	3/4	1.24	.86	.96	1-1/16	1-1/8	.84
16CAP	1	1.51	1.04	1.23	1-3/8	1-1/2	1.03



# Reohyde

## Plugs



### METRIC RANGE

### Dimensions in mm.

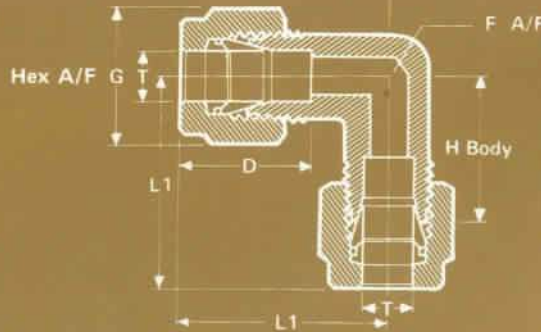
### IMPERIAL RANGE

### Dimensions in inches.

Part No.	T o/d	G Nut
4mF PLUG	4	12
6mF PLUG	6	14
8mF PLUG	8	17
10mF PLUG	10	19
12mF PLUG	12	22
16mF PLUG	16	27
18mF PLUG	18	30
20mF PLUG	20	30
25mF PLUG	25	41

Part No.	T o/d	G Nut
1F PLUG	1/16	5/16
2F PLUG	1/8	7/16
3F PLUG	3/16	1/2
4F PLUG	1/4	9/16
5F PLUG	5/16	5/8
6F PLUG	3/8	11/16
8F PLUG	1/2	7/8
10F PLUG	5/8	1
12F PLUG	3/4	1-1/8
16F PLUG	1	1-1/2

## Union Elbows



### METRIC RANGE

### Dimensions in mm.

### IMPERIAL RANGE

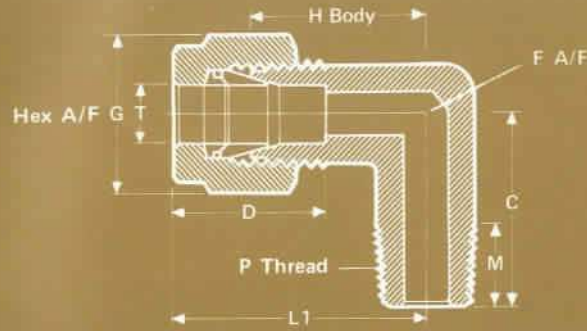
### Dimensions in inches.

Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body
4mELU	4	24.61	14.29	12	12	19.05
6mELU	6	26.19	15.88	12	14	19.81
8mELU	8	28.58	16.67	14	17	22.23
10mELU	10	29.37	17.46	14	19	23.11
12mELU	12	34.93	23.02	19	22	24.89
16mELU	16	36.51	24.61	24	27	26.19
18mELU	18	39.69	24.61	27	30	29.37
20mELU	20	39.69	24.61	27	30	29.37
25mELU	25	45.24	30.96	32	41	33.34

Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body
1ELU	1/16	.72	.34	.47	5/16	.56
2ELU	1/8	.94	.53	.47	7/16	.72
3ELU	3/16	1.01	.54	.47	1/2	.75
4ELU	1/4	1.07	.60	.47	9/16	.78
5ELU	5/16	1.17	.64	.55	5/8	.88
6ELU	3/8	1.20	.66	.55	11/16	.91
8ELU	1/2	1.38	.90	.74	7/8	.98
10ELU	5/8	1.46	.96	.94	1	1.06
12ELU	3/4	1.51	.96	1.06	1-1/8	1.11
16ELU	1	1.79	1.23	1.26	1-1/2	1.31

# Reohyde

## Male Elbows



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body
4mME 2	4	1/8"	24.61	9.53	19.30	14.29	12	12	19.05
6mME 2	6	1/8"	26.19	9.53	19.84	15.88	12	14	19.80
6mME 4	6	1/4"	26.19	14.29	23.81	15.88	12	14	19.80
6mME 6	6	3/8"	27.60	14.29	23.58	15.88	14	14	21.33
6mME 8	6	1/2"	29.40	19.05	33.34	15.88	19	14	23.11
8mME 2	8	1/8"	28.58	9.53	20.64	16.67	14	17	22.22
8mME 4	8	1/4"	28.58	14.29	25.40	16.67	14	17	22.22
8mME 6	8	3/8"	28.58	14.24	25.40	16.67	14	17	22.22
8mME 8	8	1/2"	31.75	19.05	32.00	16.67	19	17	24.00
10mME 2	10	1/8"	28.90	9.53	22.23	17.46	14	19	23.11
10mME 4	10	1/4"	28.90	14.29	25.40	17.46	14	19	23.11
10mME 6	10	3/8"	28.90	14.29	28.58	17.46	14	19	23.11
10mME 8	10	1/2"	30.60	19.05	31.75	17.46	19	19	24.89
12mME 4	12	1/4"	35.80	14.29	28.58	23.02	19	22	24.89
12mME 6	12	3/8"	35.80	14.29	28.58	23.02	19	22	24.89
12mME 8	12	1/2"	35.80	19.05	33.34	23.02	19	22	24.89
16mME 6	16	3/8"	36.51	14.29	31.75	24.61	19	27	26.19
16mME 8	16	1/2"	36.51	19.05	34.93	24.61	19	27	26.19
18mME 8	18	1/2"	39.69	19.05	38.10	24.61	27	30	29.37
18mME12	18	3/4"	39.69	19.05	38.10	24.61	27	30	29.37
20mME 8	20	1/2"	39.69	19.05	38.10	24.61	27	30	29.37
20mME12	20	3/4"	39.69	19.05	38.10	24.61	27	30	29.37
25mME12	25	3/4"	45.24	19.05	38.10	26.19	32	41	33.34
25mME16	25	1"	45.24	23.81	46.83	30.96	32	41	33.34

### IMPERIAL RANGE

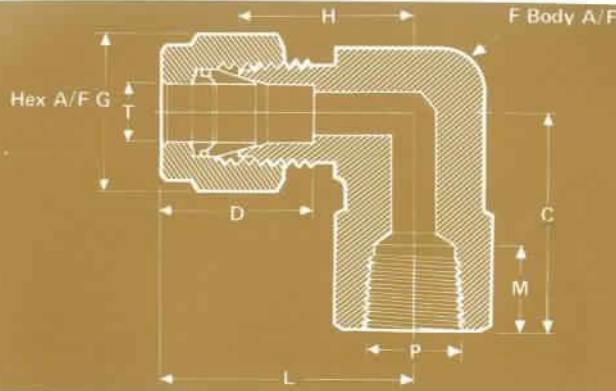
Dimensions in inches.

Part No.	T o/d	P	L1 Length	M	C	D	F Body	G Nut	H Body
1ME1	1/16	1/16	.72	.38	.69	.34	.47	5/16	.56
1ME2	1/16	1/8	.72	.38	.72	.34	.47	5/16	.56
2ME1	1/8	1/16	.99	.38	.76	.51	.47	7/16	.72
2ME2	1/8	1/8	.94	.38	.76	.53	.47	7/16	.72
2ME4	1/8	1/4	.97	.56	.94	.53	.47	7/16	.72
3ME2	3/16	1/8	1.01	.38	.76	.54	.47	1/2	.75
4ME2	1/4	1/8	1.07	.38	.76	.60	.47	9/16	.78
4ME4	1/4	1/4	1.07	.56	.94	.60	.47	9/16	.78
4ME6	1/4	3/8	1.17	.56	1.00	.60	.55	9/16	.84
4ME8	1/4	1/2	1.26	.75	1.26	.60	.75	9/16	.91
5ME2	5/16	1/8	1.17	.38	.82	.64	.55	5/8	.88
5ME4	5/16	1/4	1.17	.56	1.00	.64	.55	5/8	.88
6ME2	3/8	1/8	1.20	.38	.82	.66	.55	11/16	.91
6ME4	3/8	1/4	1.20	.56	1.00	.66	.55	11/16	.91
6ME6	3/8	3/8	1.23	.56	1.00	.66	.55	11/16	.91
6ME8	3/8	1/2	1.32	.75	1.26	.66	.75	11/16	.98
8ME4	1/2	1/4	1.38	.56	1.08	.91	.75	7/8	.98
8ME6	1/2	3/8	1.38	.56	1.08	.91	.75	7/8	.98
8ME8	1/2	1/2	1.44	.75	1.26	.91	.75	7/8	.98
10ME6	5/8	3/8	1.46	.56	1.16	.96	.94	1	1.06
10ME8	5/8	1/2	1.46	.75	1.34	.96	.94	1	1.06
12ME8	3/4	1/2	1.51	.75	1.39	.96	1.06	1-1/8	1.11
12ME12	3/4	3/4	1.51	.75	1.39	.96	1.06	1-1/8	1.11
16ME12	1	3/4	1.79	.94	1.66	1.23	1.25	1-1/2	1.31
16ME16	1	1	1.79	.94	1.84	1.23	1.25	1-1/2	1.31



# Reohyde

## Female Elbows



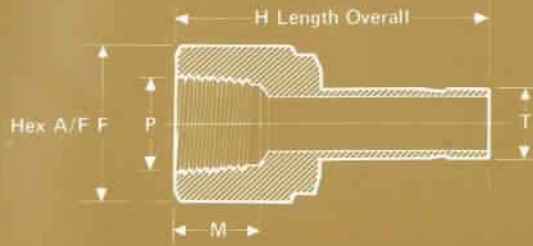
IMPERIAL RANGE ONLY

Dimensions in inches.

Part No.	T o/d	P	L	M	C	D	F Body	G Nut	H Body
2FE2	1/8	1/8	.95	.39	.15	.50	.50	7/16	.69
2FE4	1/8	1/4	1.07	.59	.88	.50	.69	7/16	.81
3FE2	3/16	1/8	.98	.39	.75	.54	.50	1/2	.72
4FE2	1/4	1/8	1.04	.39	.75	.60	.50	9/16	.75
4FE4	1/4	1/4	1.17	.59	.88	.60	.69	9/16	.88
5FE2	5/16	1/8	1.17	.39	.75	.64	.63	5/8	.88
5FE4	5/16	1/4	1.20	.59	.88	.64	.69	5/8	.91
6FE2	3/8	1/8	1.20	.39	.75	.66	.63	11/16	.91
6FE4	3/8	1/4	1.23	.59	.88	.66	.69	11/16	.94
6FE6	3/8	3/8	1.32	.59	.88	.66	.81	11/16	1.03
6FE8	3/8	1/2	1.41	.78	1.12	.66	1.00	11/16	1.12
8FE4	1/2	1/4	1.38	.59	.88	.90	.81	7/8	.98
8FE6	1/2	3/8	1.43	.59	.88	.90	.81	7/8	1.03
8FE8	1/2	1/2	1.52	.78	1.12	.90	1.00	7/8	1.12
10FE6	5/8	3/8	1.46	.59	.88	.96	.94	1	1.06
10FE8	5/8	1/2	1.52	.78	1.12	.96	1.00	1	1.12
12FE8	3/4	1/2	1.51	.78	1.12	.96	1.06	1-1/8	1.11
12FE12	3/4	3/4	1.65	.81	1.25	.96	1.25	1-1/8	1.25

# Reohyde

## Female Adaptors

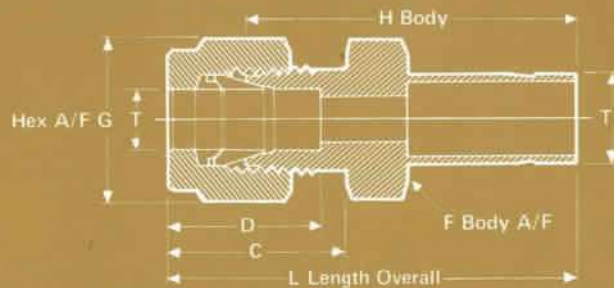


IMPERIAL RANGE ONLY

Dimensions in inches.

Part No.	T	P	M	F	H
2ATPF2	1/8	1/8	.39	9/16	1-5/32
4ATPF2	1/4	1/8	.39	9/16	1-5/32
4ATPF4	1/4	1/4	.59	3/4	1-11/32
5ATPF4	5/16	1/4	.59	3/4	1-7/16
5ATPF6	5/16	3/8	.59	7/8	1-17/32
6ATPF4	3/8	1/4	.59	3/4	1-13/32
6ATPF6	3/8	3/8	.59	7/8	1-15/32
6ATPF8	3/8	1/2	.78	1-1/16	1-21/32
8ATPF4	1/2	1/4	.59	13/16	1-5/8
8ATPF6	1/2	3/8	.59	7/8	1-11/16
8ATPF8	1/2	1/2	.78	1-1/16	1-7/8
12ATPF8	3/4	1/2	.78	1-1/16	2
12ATPF12	3/4	3/4	.81	1-5/16	2-1/16

## Reducers



IMPERIAL RANGE ONLY

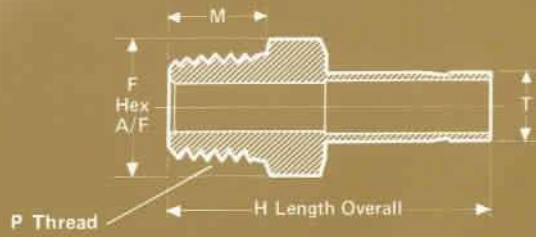
Dimensions in inches.

Part No.	T o/d	T1 o/d	L	C	D	F	G	H
2RED4	1/8	1/4	1.42	.60	.50	7/16	7/16	1.16
4RED2	1/4	1/8	1.45	.70	.60	1/2	9/16	1.16
4RED6	1/4	3/8	1.60	.70	.60	1/2	9/16	1.31
4RED8	1/4	1/2	1.82	.70	.60	9/16	9/16	1.53
6RED4	3/8	1/4	1.63	.76	.66	5/8	11/16	1.34
6RED8	3/8	1/2	1.91	.76	.66	5/8	11/16	1.62
8RED6	1/2	3/8	1.84	.86	.90	13/16	7/8	1.44



# Reohyde

## Male Adaptors



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	M	F Body	H
4mATPM 2	4	1/8"	9.52	12	29.37
4mATPM 4	4	1/4"	14.29	14	34.13
6mATPM 2	6	1/8"	9.52	12	30.96
6mATPM 4	6	1/8"	14.29	14	35.72
6mATPM 6	6	3/8"	14.29	19	36.51
6mATPM 8	6	1/2"	19.05	24	42.07
8mATPM 2	8	1/8"	9.52	12	31.75
8mATPM 4	8	1/4"	14.29	14	37.31
8mATPM 6	8	3/8"	14.29	19	37.31
8mATPM 8	8	1/2"	19.05	24	42.86
10mATPM 2	10	1/8"	9.52	12	33.34
10mATPM 4	10	1/4"	14.29	14	38.10
10mATPM 6	10	3/8"	14.29	19	38.10
10mATPM 8	10	1/2"	19.05	24	42.66
12mATPM 4	12	1/4"	14.29	14	42.66
12mATPM 6	12	3/8"	14.29	19	44.45
16mATPM 6	16	3/8"	14.29	19	46.04
16mATPM 8	16	1/2"	19.05	24	50.80
16mATPM12	16	3/4"	19.05	27	51.59
20mATPM 8	20	1/2"	19.05	24	50.80
20mATPM12	20	3/4"	19.05	27	51.59
20mATPM16	20	1"	23.81	36	57.94
25mATPM12	25	3/4"	19.05	27	57.94
25mATPM16	25	1"	23.81	36	65.09

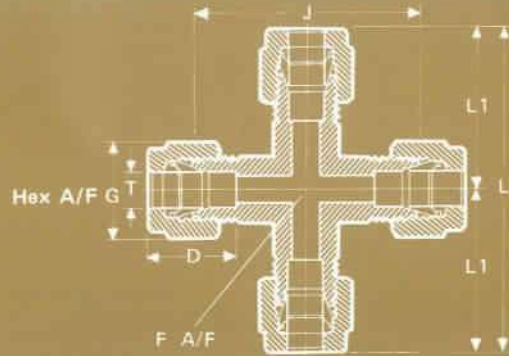
### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	P	M	F Body	H
2ATPM2	1/8	1/8	.38	1/2	1-1/8
2ATPM4	1/8	1/4	.56	9/16	1-5/16
3ATPM2	3/16	1/8	.38	7/16	1-5/32
4ATPM2	1/4	1/8	.38	7/16	1-7/32
4ATPM4	1/4	1/4	.56	9/16	1-13/32
4ATPM6	1/4	3/8	.56	11/16	1-7/16
4ATPM8	1/4	1/2	.75	15/16	1-21/32
5ATPM4	5/16	1/4	.56	9/16	1-15/32
5ATPM6	5/16	3/8	.56	11/16	1-15/32
6ATPM4	3/8	1/4	.56	9/16	1-1/2
6ATPM6	3/8	3/8	.56	11/16	1-1/2
6ATPM8	3/8	1/2	.75	15/16	1-11/16
8ATPM4	1/2	1/4	.56	1/2	1-11/16
8ATPM6	1/2	3/8	.56	11/16	1-3/4
8ATPM8	1/2	1/2	.75	15/16	1-15/16
10ATPM6	5/8	3/8	.56	11/16	1-13/16
10ATPM8	5/8	1/2	.75	15/16	2
10ATPM12	5/8	3/4	.75	1-1/16	2-1/32
12ATPM8	3/4	1/2	.75	15/16	2
12ATPM12	3/4	3/4	.75	1-1/16	2-1/32
12ATPM16	3/4	1	.94	1-3/8	2-9/32
16ATPM12	1	3/4	.75	1-1/16	2-9/32
16ATPM16	1	1	.94	1-3/8	2-9/16

# Reohyde

## Equal Union Crosses



### METRIC RANGE

### Dimensions in mm.

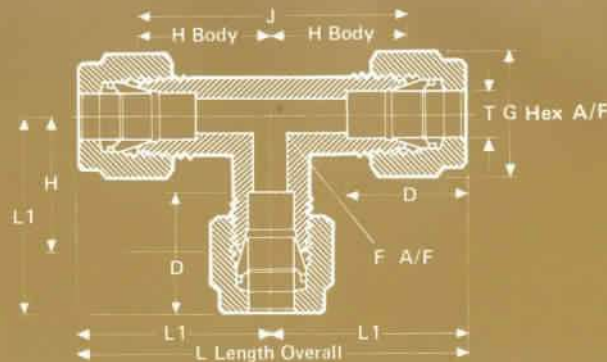
Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body	J	L
4mCR	4	26.15	14.29	12	12	19.00	38.00	52.30
6mCR	6	27.20	15.88	12	14	19.80	39.60	54.40
8mCR	8	29.70	16.67	14	17	22.20	44.40	59.40
10mCR	10	30.80	17.46	14	19	23.10	46.20	61.60
12mCR	12	35.00	23.02	17	22	24.90	49.80	70.00
16mCR	16	36.39	24.61	24	27	26.19	52.39	72.78

### IMPERIAL RANGE

### Dimensions in inches.

Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body	J	L
2CR	1/8	.99	.53	.50	7/16	.72	1.44	1.98
3CR	3/16	1.01	.54	.50	1/2	.75	1.50	2.02
4CR	1/4	1.07	.60	.50	9/16	.78	1.56	2.14
5CR	5/16	1.17	.64	.62	5/8	.88	1.76	2.34
6CR	3/8	1.20	.66	.62	11/16	.91	1.82	2.40
8CR	1/2	1.38	.90	.81	7/8	.98	1.96	2.76
10CR	5/8	1.46	.96	.81	1	1.06	2.12	2.92

## Union Tees



### METRIC RANGE

### Dimensions in mm.

Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body	J	L
4mTTT	4	26.15	14.29	12	12	19.00	38.00	52.30
6mTTT	6	27.20	15.88	12	14	19.80	39.60	54.40
8mTTT	8	29.70	16.67	14	17	22.20	44.40	59.40
10mTTT	10	30.80	17.46	14	19	23.10	46.20	61.60
12mTTT	12	35.00	23.02	19	22	24.90	49.80	70.00
16mTTT	16	36.39	24.61	24	27	26.19	52.38	72.78
18mTTT	18	39.37	24.61	27	30	29.37	58.74	78.74
20mTTT	20	39.37	24.61	27	30	29.37	58.74	78.74
25mTTT	25	45.24	30.96	32	41	33.54	67.08	90.48

### IMPERIAL RANGE

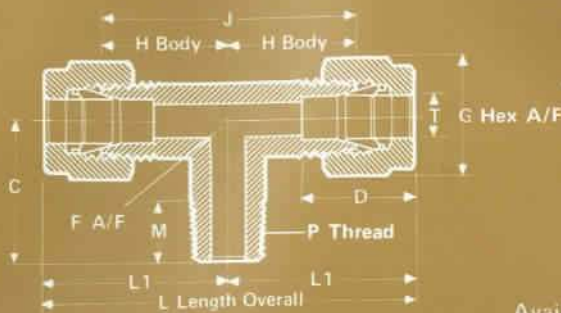
### Dimensions in inches.

Part No.	T o/d	L1 Length	D	F Body	G Nut	H Body	J	L
1TTT	1/16	.72	.34	.47	5/16	.56	1.12	1.44
2TTT	1/8	.99	.50	.47	7/16	.72	1.44	1.98
3TTT	3/16	1.01	.54	.47	1/2	.75	1.50	2.02
4TTT	1/4	1.07	.60	.47	9/16	.78	1.56	2.25
5TTT	5/16	1.17	.64	.55	5/8	.88	1.76	2.34
6TTT	3/8	1.20	.66	.55	11/16	.91	1.82	2.40
8TTT	1/2	1.38	.90	.75	7/8	.98	1.96	2.76
10TTT	5/8	1.46	.96	.94	1	1.06	2.12	2.92
12TTT	3/4	1.51	.96	1.06	1-1/8	1.11	2.22	3.02
16TTT	1	1.79	1.23	1.25	1-1/2	1.31	2.62	3.58



# Reohyde

## Male Branch Tees



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	L1 Length	M	C	F	G Nut	H Body	J	L
4mTTM1	4	1/16	26.15	9.53	19.3	12	12	19.05	38.10	52.30
4mTTM2	4	1/8	26.15	9.53	19.3	12	12	19.05	38.10	52.30
4mTTM4	4	1/4	26.15	14.29	23.9	12	12	19.05	38.10	52.30
6mTTM2	6	1/8	27.21	9.53	19.3	12	14	19.80	39.60	54.42
6mTTM4	6	1/4	27.21	14.29	23.9	12	14	19.80	39.60	54.42
6mTTM6	6	3/8	28.73	14.29	25.4	14	14	21.33	42.66	57.46
6mTTM8	6	1/2	30.51	19.05	32.0	19	14	23.10	46.20	61.00
8mTTM2	8	1/8	29.70	9.53	20.8	14	17	22.22	44.44	59.40
8mTTM4	8	1/4	29.70	14.29	25.4	14	17	22.22	44.44	59.40
8mTTM6	8	3/8	29.70	14.29	25.4	14	17	22.22	44.44	59.40
8mTTM8	8	1/2	31.50	19.05	32.0	19	17	24.00	48.00	63.00
10mTTM2	10	1/8	30.80	9.53	20.8	14	19	23.10	46.20	61.60
10mTTM4	10	1/4	30.80	14.29	25.4	14	19	23.10	46.20	61.60
10mTTM6	10	3/8	30.80	14.29	25.4	14	19	23.10	46.20	61.60
10mTTM8	10	1/2	32.59	19.05	32.0	19	19	24.89	49.78	65.18
12mTTM4	12	1/4	34.99	14.29	27.4	19	22	24.89	49.78	69.98
12mTTM6	12	3/8	32.59	14.29	27.4	19	22	24.89	49.78	65.18
12mTTM8	12	1/2	32.59	19.05	32.0	19	22	24.89	49.78	65.18
16mTTM8	16	1/2	36.39	19.05	34.9	24	27	26.19	52.39	72.78

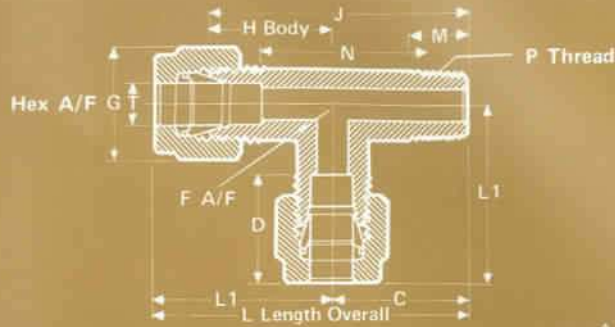
### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	P	L1 Length	M	C	F Body	G Nut	H Body	J	L
2TTM2	1/8	1/8	.99	.38	.76	.47	7/16	.72	1.44	1.98
2TTM4	1/8	1/4	.99	.56	.94	.47	7/16	.72	1.44	1.98
3TTM2	3/16	1/8	1.01	.38	.76	.47	1/2	.75	1.50	2.02
4TTM2	1/4	1/8	1.07	.38	.76	.47	9/16	.78	1.56	2.14
4TTM4	1/4	1/4	1.07	.56	.94	.47	9/16	.78	1.56	2.14
4TTM6	1/4	3/8	1.13	.56	1.00	.55	9/16	.84	1.68	2.26
5TTM2	5/16	1/8	1.16	.38	.82	.55	5/8	.87	1.74	2.32
6TTM2	3/8	1/8	1.21	.38	.82	.55	11/16	.91	1.82	2.42
6TTM4	3/8	1/4	1.21	.56	1.00	.55	11/16	.91	1.82	2.42
6TTM6	3/8	3/8	1.21	.56	1.00	.55	11/16	.91	1.82	2.42
6TTM8	3/8	1/2	1.21	.75	1.26	.75	11/16	.91	1.82	2.42
8TTM4	1/2	1/4	1.38	.56	1.08	.75	7/8	.98	1.96	2.76
8TTM6	1/2	3/8	1.38	.56	1.08	.75	7/8	.98	1.96	2.76
8TTM8	1/2	1/2	1.38	.75	1.26	.75	7/8	.98	1.96	2.76
10TTM8	5/8	1/2	1.46	.75	1.38	.75	1	1.06	2.12	2.92

# Reohyde

## Male Run Tees



Available with NPT or BSPT threads

### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	P	L1 Length	M	C	F	G Nut	H Body	J	L
4mTMT1	4	1/16	26.15	9.53	19.30	12	12	19.05	38.10	45.45
4mTMT2	4	1/8	26.15	9.53	19.30	12	12	19.05	38.10	45.45
4mTMT4	4	1/4	26.15	14.29	23.88	12	12	19.05	38.10	50.03
6mTMT2	6	1/8	27.21	9.53	19.30	12	14	19.81	39.62	46.51
6mTMT4	6	1/4	27.21	14.29	23.88	12	14	19.81	39.62	51.09
6mTMT6	6	3/8	28.74	14.29	25.40	14	14	21.34	42.68	54.14
6mTMT8	6	1/2	30.51	19.05	32.00	19	14	23.11	43.22	62.51
8mTMT2	8	1/8	29.73	9.53	20.83	14	17	22.23	44.46	50.56
8mTMT4	8	1/4	29.73	14.29	25.40	14	17	22.23	44.46	55.13
8mTMT6	8	3/8	29.73	14.29	25.40	14	17	22.23	44.46	55.13
8mTMT8	8	1/2	31.50	19.05	32.00	19	17	24.00	48.00	63.50
10mTMT2	10	1/8	30.81	9.53	20.83	14	19	23.11	46.22	51.64
10mTMT4	10	1/4	30.81	14.29	25.40	14	19	23.11	46.22	56.21
10mTMT6	10	3/8	30.81	14.29	25.40	14	19	23.11	46.22	56.21
10mTMT8	10	1/2	32.59	19.05	32.00	19	19	24.89	49.78	64.59
12mTMT4	12	1/4	34.99	14.29	27.43	19	22	24.89	49.78	62.42
12mTMT6	12	3/8	34.99	14.29	27.43	19	22	24.89	49.78	62.42
12mTMT8	12	1/2	34.99	19.05	32.00	19	22	24.89	49.78	66.99
16mTMT8	16	1/2	36.39	19.05	34.93	24	27	26.19	52.38	71.32

### IMPERIAL RANGE

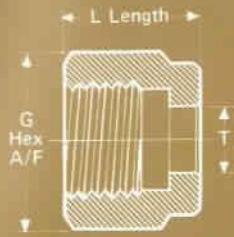
Dimensions in inches.

Part No.	T o/d	P	L1 Length	M	C	F Body	G Nut	H Body	J	L
2TMT2	1/8	1/8	1.00	.38	.76	.47	7/16	.72	1.48	1.76
2TMT4	1/8	1/4	1.00	.56	.94	.47	7/16	.72	1.66	1.94
3TMT2	3/16	1/8	1.00	.38	.76	.47	1/2	.75	1.51	1.76
4TMT2	1/4	1/8	1.07	.38	.76	.47	9/16	.78	1.54	1.83
4TMT4	1/4	1/4	1.07	.56	.94	.47	9/16	.78	1.72	2.01
5TMT2	5/16	1/8	1.16	.38	.82	.55	5/8	.87	1.70	1.98
6TMT4	3/8	1/4	1.21	.56	1.00	.55	11/16	.91	1.91	2.21
8TMT6	1/2	3/8	1.38	.56	1.08	.74	7/8	.98	2.06	2.46
8TMT8	1/2	1/2	1.38	.75	1.26	.74	7/8	.98	2.24	2.64
10TMT8	5/8	1/2	1.47	.75	1.38	.74	1	1.06	2.40	2.85



# Reohyde

## Nuts



### METRIC RANGE

Dimensions in mm.

Part No.	T o/d	G Nut	L
4mN	4	12	11.80
6mN	6	14	12.70
8mN	8	17	13.49
10mN	10	19	14.29
12mN	12	22	17.46
16mN	16	27	17.46
18mN	18	30	17.46
20mN	20	30	17.46
25mN	25	41	20.64

### IMPERIAL RANGE

Dimensions in inches.

Part No.	T o/d	G Nut	L
1N	1/16	5/16	.31
2N	1/8	7/16	.47
3N	3/16	1/2	.47
4N	1/4	9/16	.50
5N	5/16	5/8	.53
6N	3/8	11/16	.56
8N	1/2	7/8	.69
10N	5/8	1	.69
12N	3/4	1-1/8	.69
16N	1	1-1/2	.81

## Ferrules



### METRIC RANGE

Dimensions in mm.

Back Ferrule Part No.	T o/d	Front Ferrule Part No.
4mRC	4	4mFC
6mRC	6	6mFC
8mRC	8	8mFC
10mRC	10	10mFC
12mRC	12	12mFC
16mRC	16	16mFC
18mRC	18	18mFC
20mRC	20	20mFC
25mRC	25	25mFC

### IMPERIAL RANGE

Dimensions in inches.

Back Ferrule Part No.	T o/d	Front Ferrule Part No.
1RC	1/16	1FC
2RC	1/8	2FC
3RC	3/8	3FC
4RC	1/4	4FC
5RC	5/16	5FC
6RC	3/8	6FC
8RC	1/2	8FC
10RC	5/8	10FC
12RC	3/4	12FC
16RC	1	16FC

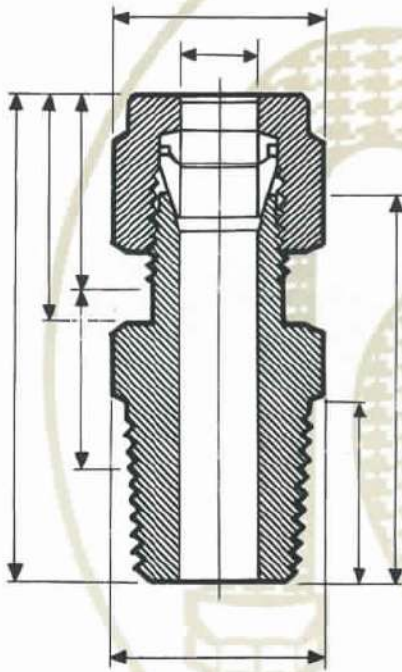
# Reohyde

## Thermocouple Connectors

Thermocouples or Dip Tubes are easily handled by the Reohyde Thermocouple Connector.

Basically the same as a Male Connector, the Thermocouple Connector has a through bore suitable for thermocouples or similar probes.

For dimensions, see Male Connectors on page 7.



### How to Specify Thermocouple Connectors

To order, turn to page 7 and select the desired size of Male Connector and add the suffix DT

For example, 3/8" o/d tube size with 1/2" stud Thermocouple Connector is 6MC8 DT.

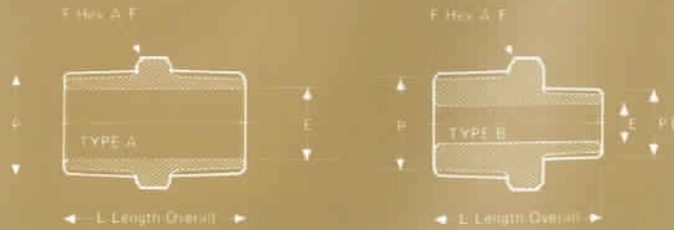
Note: The root diameter of the pipe thread end of Male Connectors makes it impractical to drill through all Male Connectors.

Please specify NPT or BSPT thread.



# Conversion Fittings

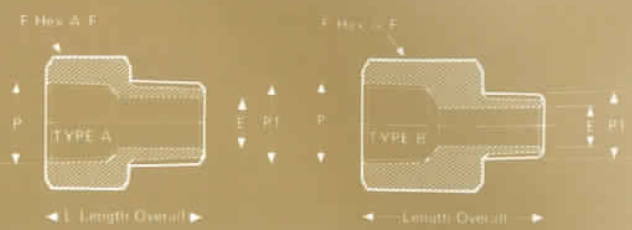
## NPT Hex Nipples and Reducing Nipples



Dimensions in inches.

Part No.	P	P1	L	F Hex A/F	E Dia.	Type
1MA1	1/16	1/16	31/32	5/16	1/8	A
2MA1	1/8	1/16	1	7/16	1/8	B
2MA2	1/8	1/8	1	7/16	3/16	A
4MA2	1/4	1/8	1-3/16	9/16	3/16	B
4MA4	1/4	1/4	1-3/8	9/16	9/32	A
6MA2	3/8	1/8	1-7/32	11/16	3/16	B
6MA4	3/8	1/4	1-13/32	11/16	9/32	B
6MA6	3/8	3/8	1-13/32	11/16	3/8	A
8MA2	1/2	1/8	1-7/16	7/8	3/16	B
8MA4	1/2	1/4	1-19/32	7/8	9/32	B
8MA6	1/2	3/8	1-5/8	7/8	3/8	B
8MA8	1/2	1/2	1-25/32	7/8	15/32	A
12MA4	3/4	1/4	1-5/8	1-1/16	9/32	B
12MA8	3/4	1/2	1-13/16	1-1/16	15/32	B
12MA12	3/4	3/4	1-13/16	1-1/16	5/8	A
16MA4	1	1/4	1-29/32	1-3/8	9/32	B
16MA8	1	1/2	2-3/32	1-3/8	15/32	B
16MA12	1	3/4	2-3/32	1-3/8	5/8	B
16MA16	1	1	2-9/32	1-3/8	7/8	A

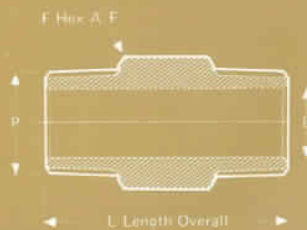
## NPT Female/Male Adaptors and Reducers



Dimensions in inches.

Part No.	P	P1	L	F Hex A/F	E Dia.	Type
2FMA1	1/8	1/16	1-3/32	9/16	1/8	B
2FMA2	1/8	1/8	1-1/16	9/16	3/16	A
4FMA2	1/4	1/8	1-1/4	3/4	3/16	B
4FMA4	1/4	1/4	1-3/8	3/4	9/32	A
6FMA2	3/8	1/8	1-7/16	7/8	3/16	B
6FMA4	3/8	1/4	1-9/16	7/8	9/32	B
6FMA6	3/8	3/8	1-9/16	7/8	3/8	A
8FMA2	1/2	1/8	1-11/16	1-1/16	3/16	B
8FMA4	1/2	1/4	1-13/16	1-1/16	9/32	B
8FMA6	1/2	3/8	1-13/16	1-1/16	3/8	B
8FMA8	1/2	1/2	1-29/32	1-1/16	15/32	A
12FMA4	3/4	1/4	1-31/32	1-1/4	9/32	B
12FMA6	3/4	3/8	1-31/32	1-1/4	3/8	B
12FMA8	3/4	1/2	2-1/16	1-1/4	15/32	B
12FMA12	3/4	3/4	1-15/16	1-1/4	5/8	A
16FMA4	1	1/4	2-1/8	1-5/8	9/32	B
16FMA8	1	1/2	2-1/4	1-5/8	15/32	B
16FMA12	1	3/4	2-1/4	1-5/8	5/8	B
16FMA16	1	1	2-9/32	1-5/8	7/8	A

## NPT Hex Long Nipples

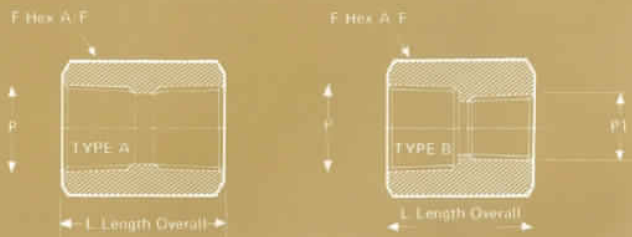


Dimensions in inches.

Part No.	P	L	F Hex A/F	E Dia.
2MAL	1/8	*	7/16	3/16
4MAL	1/4	*	9/16	9/32
6MAL	3/8	*	11/16	3/8
8MAL	1/2	*	7/8	15/32
12MAL	3/4	*	1-1/16	5/8
16MAL	1	*	1-3/8	7/8

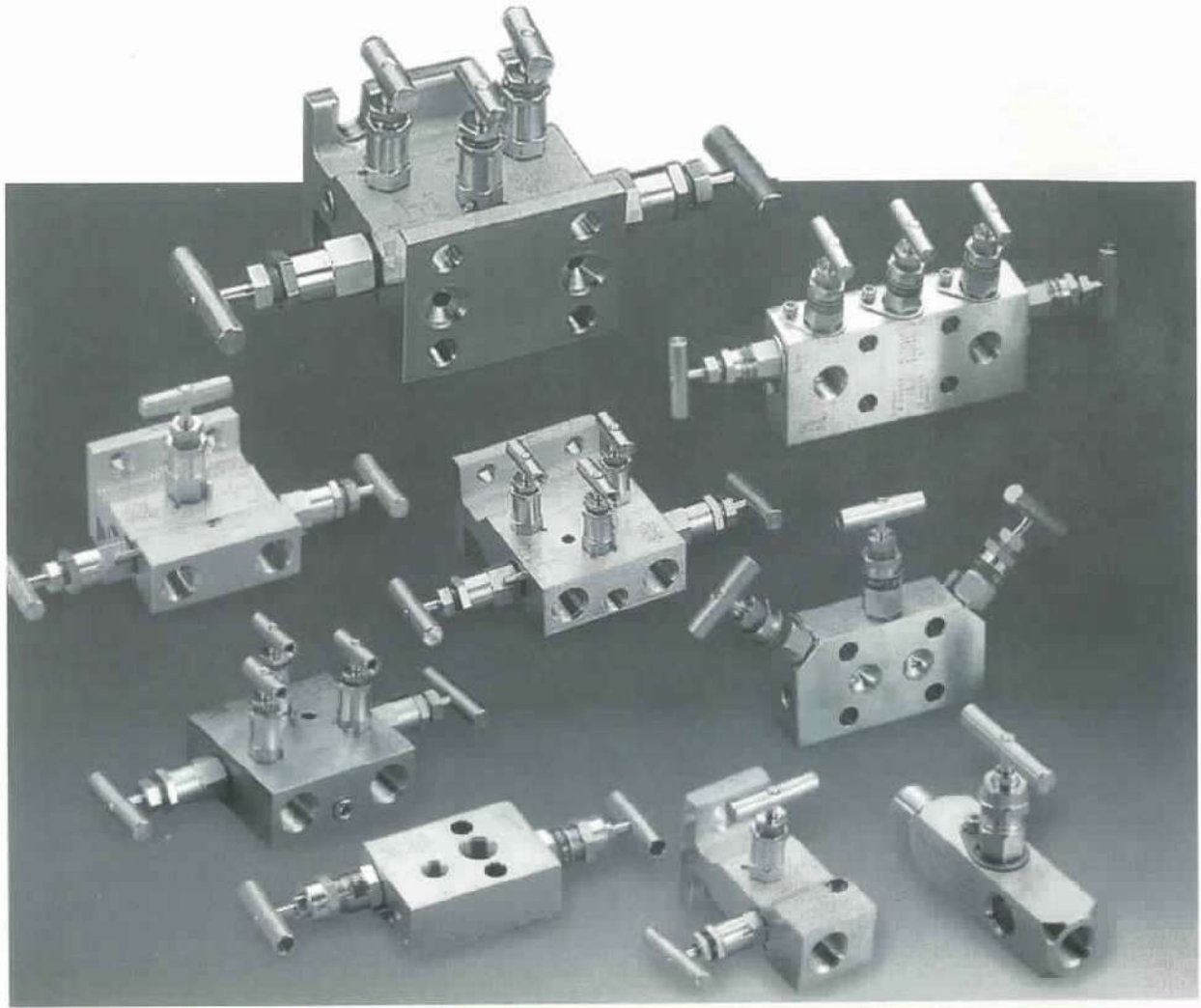
\* L Length, as required, to be included in part No. thus:  
4MAL 1.25 - (o/a required length 1 1/4".)

## NPT Hex Couplings and Reducing Couplings



Dimensions in inches.

Part No.	P	P1	L	F Hex A/F	E Dia.	Type
2FA2	1/8	1/8	13/16	9/16	11/32	A
4FA2	1/4	1/8	1-7/32	3/4	11/32	B
4FA4	1/4	1/4	1-3/16	3/4	7/16	A
6FA4	3/8	1/4	1-3/8	7/8	7/16	B
6FA6	3/8	3/8	1-5/16	7/8	37/64	A
8FA2	1/2	1/8	1-9/16	1-1/16	11/32	B
8FA4	1/2	1/4	1-3/4	1-1/16	7/16	B
8FA6	1/2	3/8	1-25/32	1-1/16	37/64	B
8FA8	1/2	1/2	1-9/16	1-1/16	23/32	A
12FA4	3/4	1/4	1-13/16	1-1/4	7/16	B
12FA8	3/4	1/2	2-1/16	1-1/4	23/32	B
12FA12	3/4	3/4	1-5/8	1-1/4	59/64	A
16FA4	1	1/4	2	1-5/8	7/16	B
16FA8	1	1/2	2-3/16	1-5/8	23/32	B
16FA12	1	3/4	2-1/4	1-5/8	59/64	B
16FA16	1	1	2	1-5/8	1-5/32	A



Data Sheets

**Manifolds and Valves,  
Instrumentation and  
Specialised Fittings**



# Reohyde

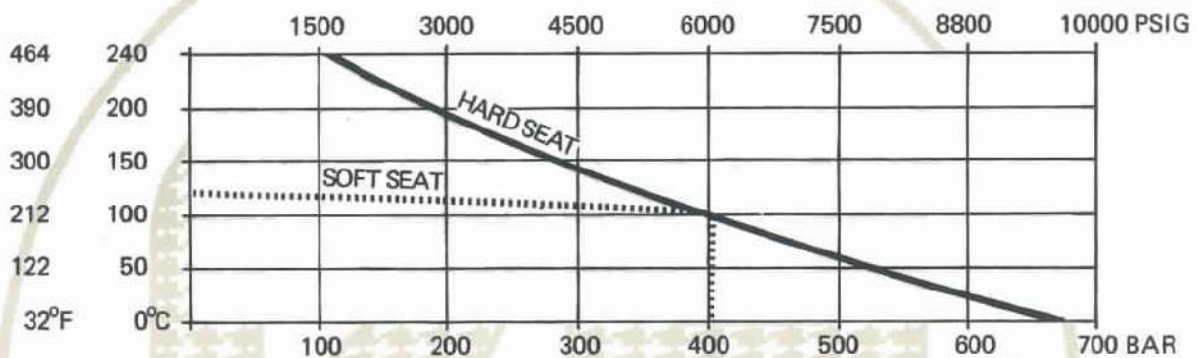
## Needle Valves – Specifications

Maximum temperature standard hard seat – 240°C/464°F.

Maximum temperature standard soft seat – 120°C/248°F.

Maximum pressure, standard – 6,000 psi/408 bar.

Manifolds have 2 1/4"/54mm internationally standard process connection centres and are supplied with P.T.F.E. interchangeable flange sealing rings and mounting bolts.

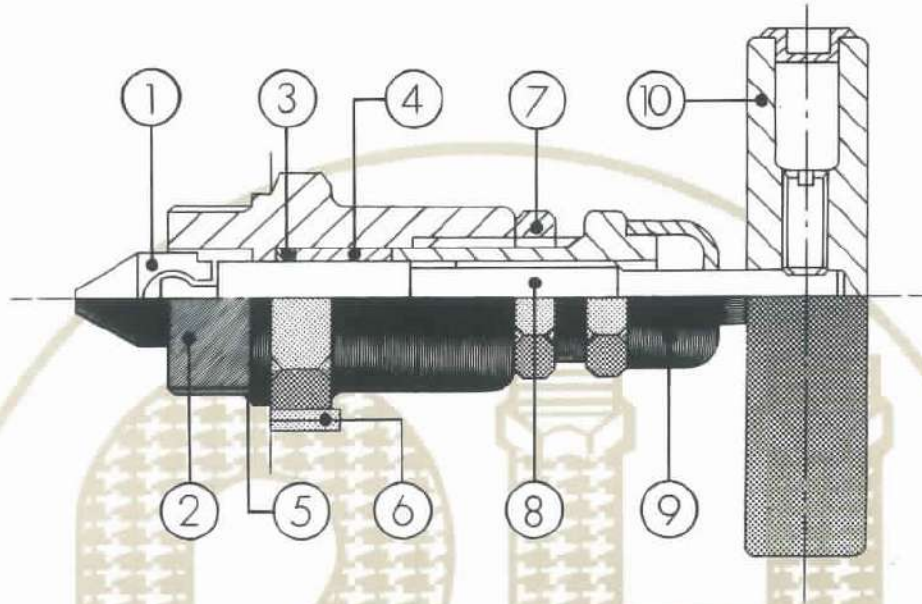


### Option Suffixes:

N	NPT standard thread type, high availability.	PM	Panel mounting feature, including nuts.
R	BS Taper pipe thread to order.	HW	Handwheel alternative to tee bar.
G	BS Parallel pipe thread to order.	SS	AISI 316 stainless steel standard.
HT	450°C/870°F maximum temperature.	SL	AISI 316L stainless steel for weld applications.
HP	10,000 psi/680 bar working pressure.	CS	En1a carbon steel standard.
HS	Hard spindle tip 316 stainless steel standard.	CB	En3B carbon steel for weld applications.
KS	PTFCE (KEL-F) soft spindle tip.	MO	Monel 400.
SW	Socket weld.	NI	Nickel 200.
BW	Butt weld.	HA	Hastalloy C.
SP	Stub pipe connections.	IN	Incoloy 825.
NA	NACE MR-01-75 (rev. 80) specification.	BR	Brass.
AG	Graphite Asbestos; high temperature gland seal.	MB	Manganese Bronze.
HL	Handwheel lock, position indication to CEGB STD 106.	FM	Fellalium 255.
HX	Handle extensions.	TB	Bolted tee bar option, stainless steel bolt.
HH	High temperature handwheel.	OS	Oxygen service cleaned.

# Reohyde

## Features of the Valve



- 1 Non-rotating tip ensures long trouble free life. Can be replaced without tools in seconds. Hardened or KELL-F soft seat options. Back seating safety feature eliminates spindle blow out.
- 2 Our rugged bonnet housing design allows for each conversion to panel mounting or handle locking options. Rolled bonnet threads increase our factor of safety over screw cut products.
- 3 Stainless steel piston ring increases spindle sealing capability at extreme pressures.
- 4 P.T.F.E./Teflon or Graphite Asbestos glands are totally contained and are "in service" adjustable.
- 5 Twin seal at body interfact eliminates leakage at elevated pressure and temperature.
- 6 A stainless steel safety bonnet locking pin is standard on all our products.
- 7 Adjustable locking seal pusher arrangement optimises valve 'feel and seal'.
- 8 Spindle has high precision rolled actuating threads for smooth high performance action. Our extremely small actuating radius minimises the torque required to shut off the valve at maximum pressure. A major safety feature.
- 9 H.D.P.E. seal housing is grease filled to protect rolled spindle threads from atmospheric corrosion.
- 10 Our standard stainless steel or carbon steel tee bar handles are preferred by many of our customers due to their being: compact/easily storable; site removable with ¼ bolt option; very tough and durable; non-plastic or zinc. Handwheels are optional on request.



# Reohyde



F50



M50



A25

## Hand Valves

High Pressure Needle Pattern

	Size – inches				Weight lbs.	Model Designation		
	A	B	C	D		FxF	MxF	90° Angle
1/4	3.0	2.1	2.4	1.1	1.2	F25	M25	A25
3/8	3.0	2.4	2.7	1.1	1.2	F38	M38	–
1/2	3.0	2.6	3.7	1.1	1.3	F50	M50	A50
3/4	3.4	2.9	4.0	1.5	2.2	F75	M75	–
1	4.4	3.2	4.4	2.0	3.0	F10	M10	–

SW or BW ends available on request. Angle valve can have male or female screwed connections.  
 Drill 3/4" UNF clearance hole for panel mounting.  
 Handwheel 2" diameter.



F50PM



F50HL



F50HW

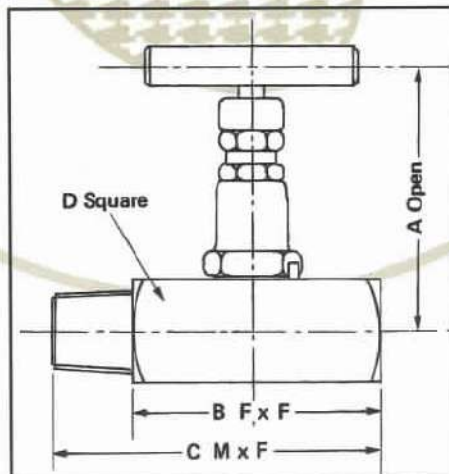
## Hand Valves

High Pressure Needle Pattern

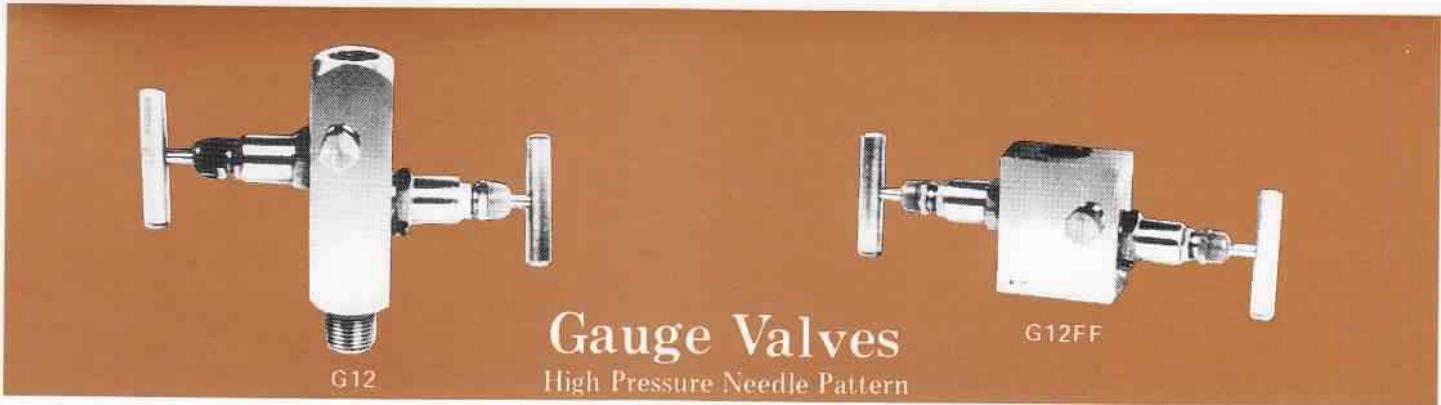
F50PM  
 Panel mounting option.

F50HL  
 Handle lock – open/close indication.

F50HW  
 Handwheel option.



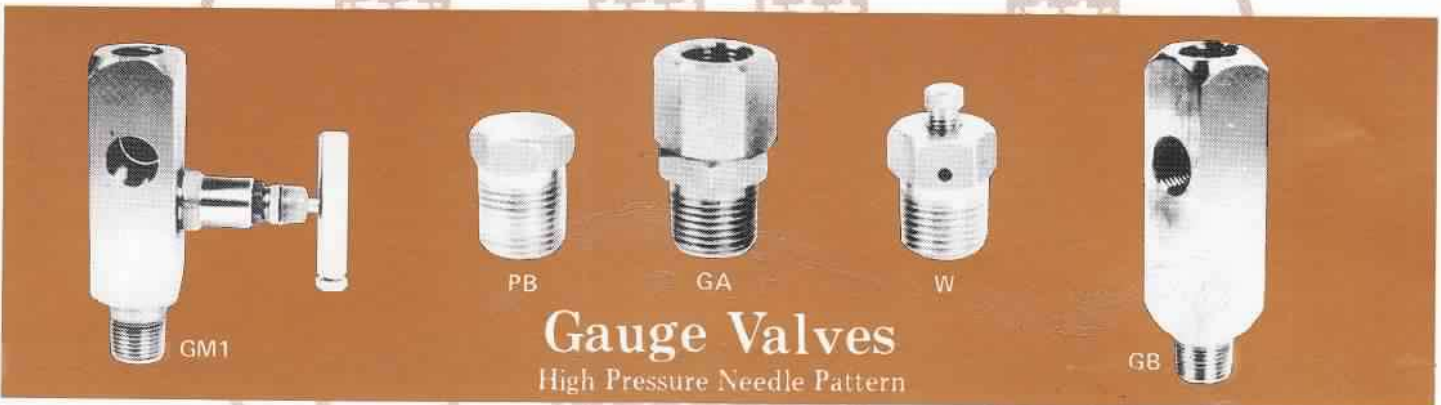
# Reohyde



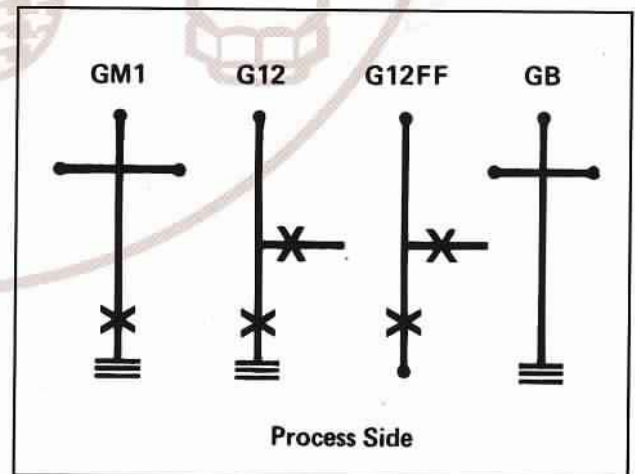
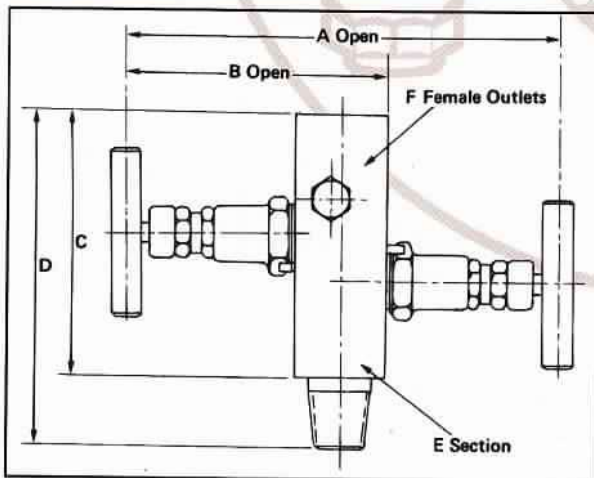
**Gauge Valves**  
High Pressure Needle Pattern

	Size – inches						Weight lbs.	Model Designation			
	A	B	C	D	E	F		GM1	G12	GB	G12FF
1/2	–	3.8	3.7	4.7	1.2	3	2.2	GM1-50	–	–	–
1/2	6.3	–	3.6	4.6	1.2	2	3.1	–	G12-50	–	–
1/2	–	–	3.7	4.6	1.2	3	2.0	–	–	GB-50	–
1/2	6.3	–	2.5	2.0	1.2	2	2.6	–	–	–	G12FF-50

SW, 1/4" and 3/4" sizes available.  
Pipe lagging extension to body available.



**Gauge Valves**  
High Pressure Needle Pattern





# Reohyde

## Three Way Manifolds



X31

High Pressure Needle Pattern



X32

	Size – inches					Weight lbs.	Model Designation			
	A	B	C	D	E		X31	X32	Y33	X30
1/2	8.4	5.0	2.125	1.375	1.5 x 2.5 x 3.4	4.5	X31-50	–	–	–
1/2	8.4	5.0	2.125	2.125	1.2 x 2.5 x 3.4	4.1	–	X32-F	–	–
1/2	8.4	3.1	2.125	2.125	1.2 x 2.5 x 3.4	4.0	–	–	Y33-50	–
1/2	–	5.0	2.125	2.125	1.2 x 2.5 x 3.4	3.6	–	–	–	X30-F

BW, SW or 1/4" sizes available. PTFE sealing rings and mounting bolts supplied. Mounting holes optional.

X31 Direct mounting to differential pressure transmitter, screwed process connections.

X32 Direct mounting to differential pressure transmitter, flanged process connections.

Y33 Remote mounting in instrument lead lines, screwed connections both sides.

X30 One valve equalise, any of above configurations.

## Three Way Manifolds

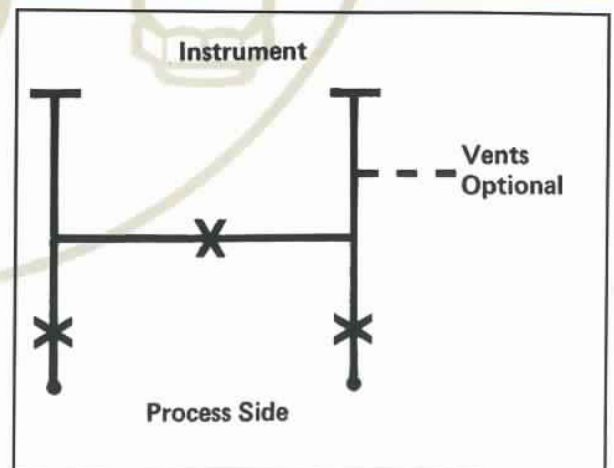
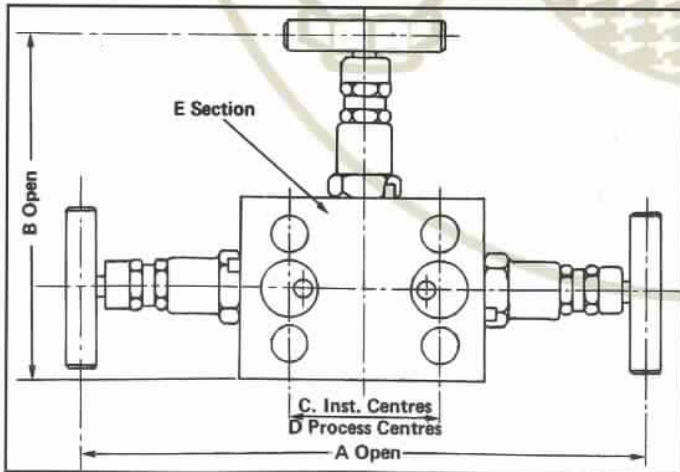


Y33

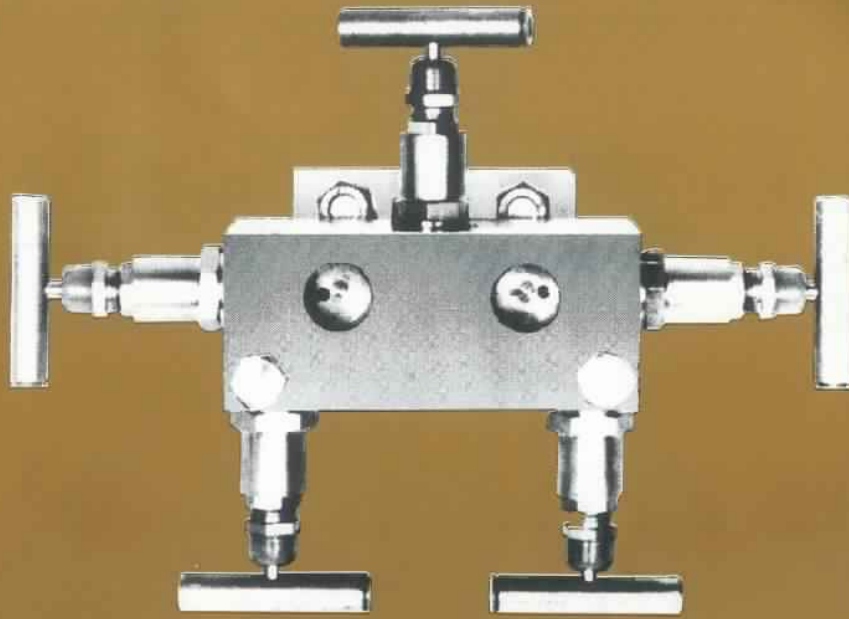
High Pressure Needle Pattern



X30



# Reohyde



## Five Way Manifolds

High Pressure Needle Pattern

Applications include gases and toxic fluids where venting to a safe place is necessary.

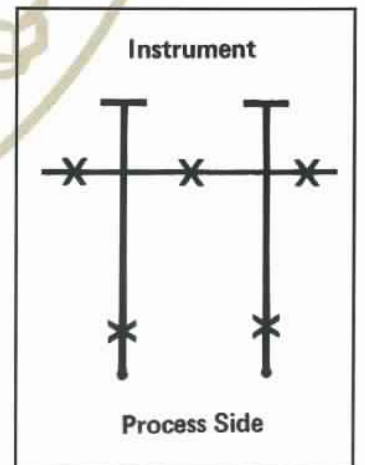
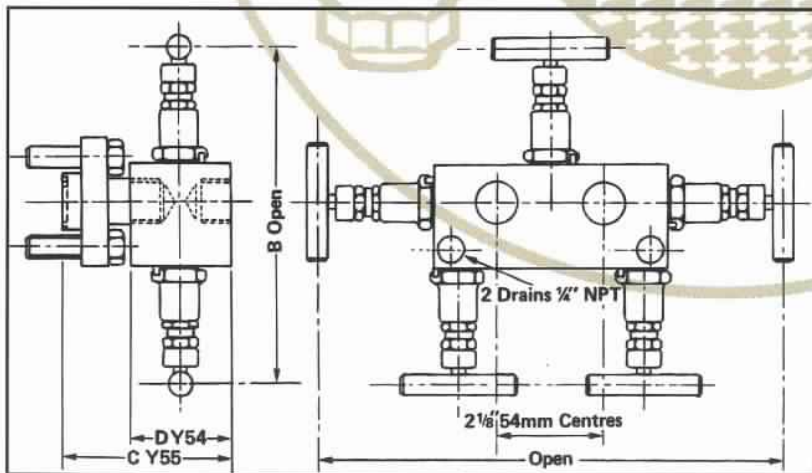
	Size – inches				Weight lbs.	Model Designation	
	A	B	C	D		Y54	Y55
1/2	9.6	7.0	–	2.0	7.7	Y54-50	–
1/2	9.6	7.0	2.8	–	8.0	–	Y55-50

BW, SW or 1/4" sizes available.

PTFE sealing rings and mounting bolts supplied with Y55. Mounting holes optional.

Drains supplied plugged.

Y54-50 1/2" process and 1/2" instrument screwed connections.





# Reohyde

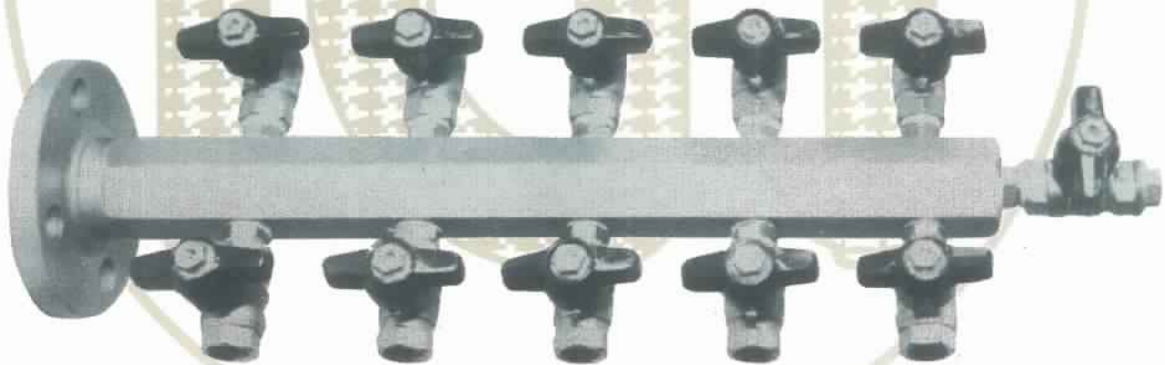
## Special Products



### Carbon Steel and Stainless Steel Tube

A full range of Carbon Steel and Stainless Steel Tube can be supplied in various o/d and i/d sizes.

Generally, Stainless Steel tubing is to A269/Tp 316 and Carbon Steel tube to ASTM A106 grade B. Other grades are obtainable. Further technical information or quotations are available on request.



### Air Manifolds

Made from carbon Steel with brass ball valves, Air Manifolds are available in various lengths.

Alternative mountings can be supplied, flanged type and male or female stud. The ball valve take-offs can be male or female stud threads. Normally the flange and body are galvanised finish.

Any other details are available on application.

# Reohyde Special Products



## **Ball Valves**

Our high performance ball valves are available in Brass or Gunmetal. The sizes range from ¼" to 2" with full flow bore. Ball valves can be supplied with either butterfly (tee bar) or lever type handles. Ball seals are in Teflon and packing box seals are in Teflon impregnated asbestos. With wide ranging temperature and pressure performance, Ball Valves are suitable for most types of oil and gas applications as well as for use with paints, lacquers, solvents and weak alkalis and acids.



## **Instrument Condensate Chambers**

Instrument Condensate Chambers are made to the highest standards in either Stainless Steel or Carbon Steel, with various types of ports using sockolets.



# Reohyde

## Other Ranges

### **Brass Medium Pressure Fittings**

Reohyde Medium Pressure Fittings in brass are basically designed to BS 2051 Part 1 Type A. Stud end threads are to B 21, BS 2779 and API Line Pipe Standard 6A (Wellhead Equipment) which is comparable to NPT. There are two series in this range of fittings:

- a) Full metric range with 4mm to 25mm o/d tube size.
- b) Imperial range for 1/8" to 1" o/d tube size.

### **Hose Fittings in Brass**

#### **Gas Leak Detectors suitable for L.P. Gas**

#### **Brass Needle Valves**

Suitable for pressures up to 207 bar, our range of brass Needle Valves cover o/d tube sizes 3/16" to 3/8"

#### **Copper Tube and P.V.C. Covered Copper Tube**

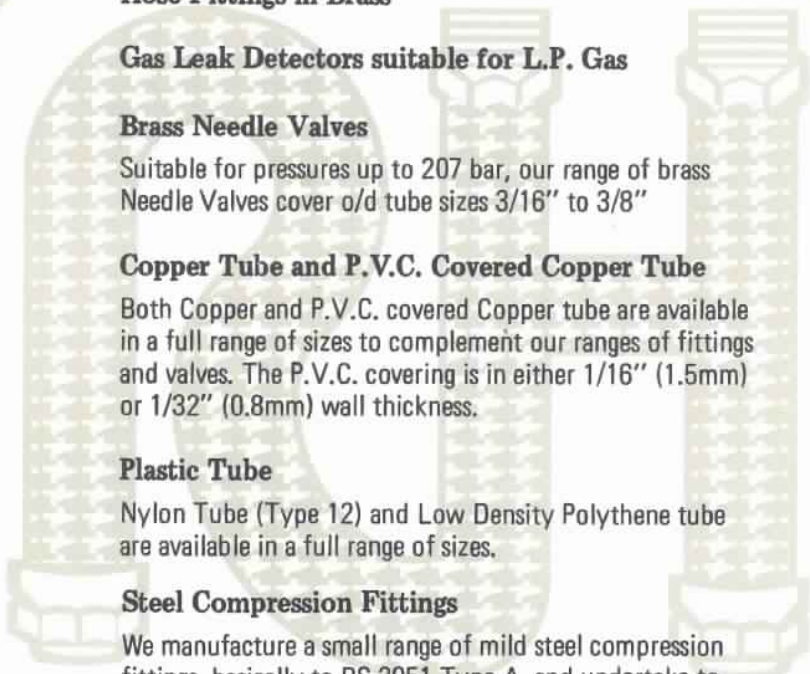
Both Copper and P.V.C. covered Copper tube are available in a full range of sizes to complement our ranges of fittings and valves. The P.V.C. covering is in either 1/16" (1.5mm) or 1/32" (0.8mm) wall thickness.

#### **Plastic Tube**

Nylon Tube (Type 12) and Low Density Polythene tube are available in a full range of sizes.

#### **Steel Compression Fittings**

We manufacture a small range of mild steel compression fittings, basically to BS 2051 Type A, and undertake to design and manufacture 'specials' in brass and steel. Plating finishes are available in Chrome, Nickel and Zinc.



# Reohyde

## Performance Data Stainless Steel Tubing

### Recommended Tubing for use with Reohyde Fittings

When selecting stainless Steel tubing for use with Reohyde tube fittings, either BS 3605 or ASTM A269 tube where diametrical tolerances are within  $\pm .005''$  and hardness does not exceed 180HV / Rockwell B90 will be satisfactory. Tubing should be free from scratches and suitable for bending.

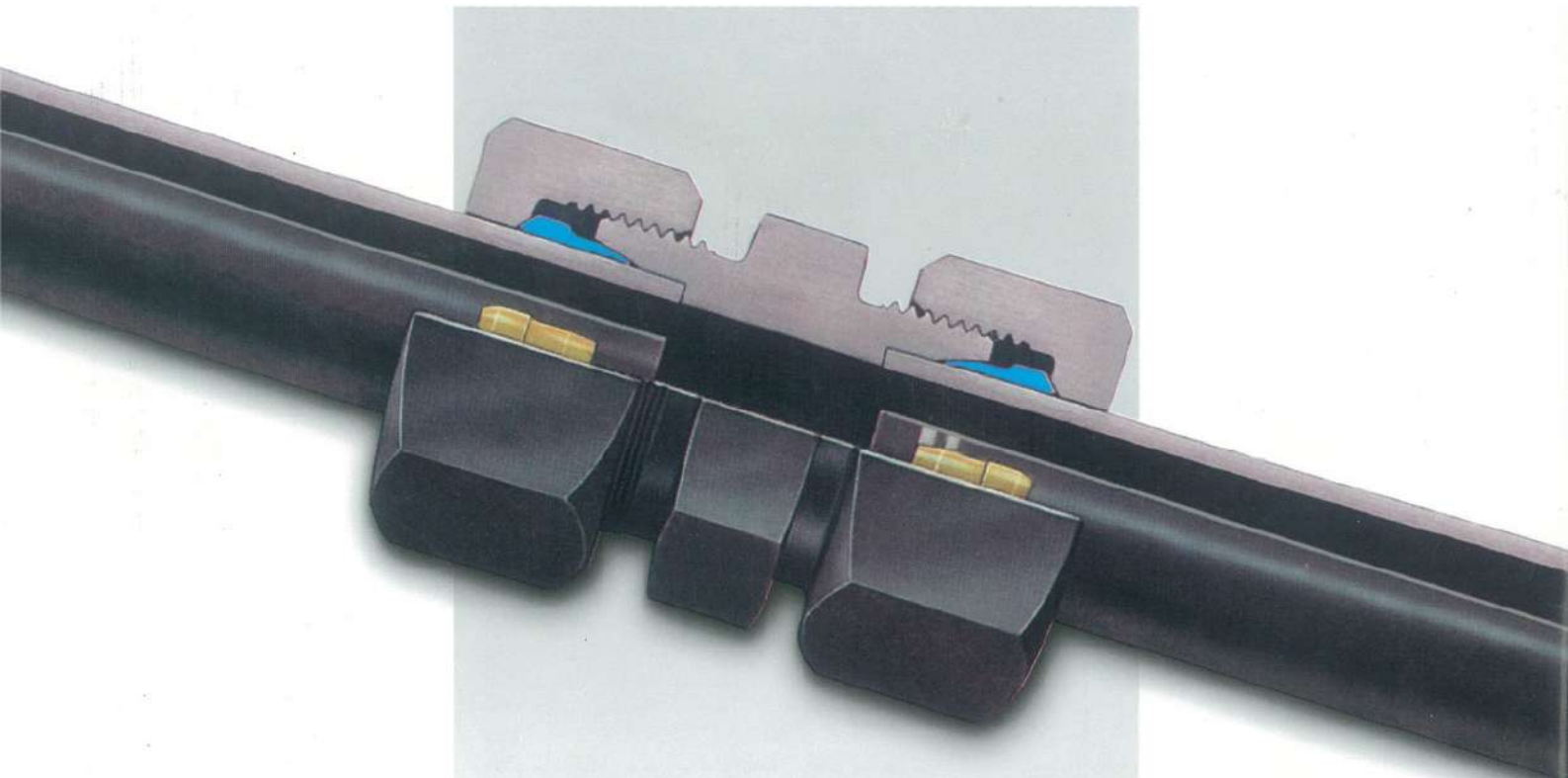
### Recommended Maximum Working Pressures:

When selecting stainless Steel tubing for use with Reohyde tube fittings, either BS 3605 or ASTM A269 tube where diametrical tolerances are within .005" and hardness does not exceed 180HV / Rockwell B90 will be satisfactory. Tubing should be free from scratches and suitable for bending.

Tube o/d (inches)	Tube Wall Thickness (inches)												
	.010	.012	.014	.016	.020	.028	.035	.049	.065	.083	.095	.109	.120
1/16"	6,880	8,510	10,240	12,070	16,120	—	—	—	—	—	—	—	—
1/8"	—	—	—	—	—	9,990	12,670	—	—	—	—	—	—
3/16"	—	—	—	—	—	6,350	8,170	11,770	—	—	—	—	—
1/4"	—	—	—	—	—	4,570	5,900	8,700	11,710	—	—	—	—
5/16"	—	—	—	—	—	—	4,590	6,710	9,220	—	—	—	—
3/8"	—	—	—	—	—	—	3,760	5,450	7,530	—	—	—	—
1/2"	—	—	—	—	—	—	2,770	3,970	5,430	7,160	—	—	—
5/8"	—	—	—	—	—	—	—	3,130	4,230	5,550	6,480	—	—
3/4"	—	—	—	—	—	—	—	2,560	3,480	4,530	5,260	6,150	—
7/8"	—	—	—	—	—	—	—	2,190	2,940	3,840	4,440	5,170	—
1"	—	—	—	—	—	—	—	—	2,560	3,310	3,840	4,460	4,960

Tube o/d (mm)	Tube Wall Thickness (millimetres)			
	0.5	1.0	1.5	2.0
4	4,000	10,000	—	—
6	3,000	7,500	—	—
8	2,500	6,000	—	—
10	3,000	4,500	7,500	—
12	1,500	3,600	5,500	7,000





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