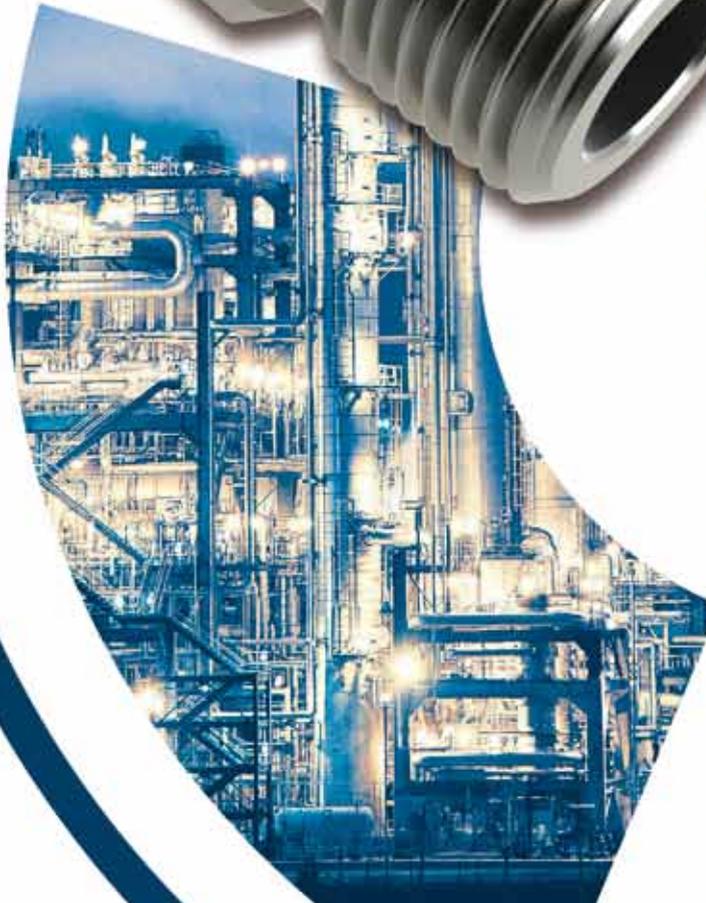




# Instrumentation Pipe Fittings



# The Tylok Philosophy

## Our Mission

It is our mission, at Tylok International, Inc., to continuously strive for and achieve total customer satisfaction with both our products and services.

This objective falls within the framework of the larger movement toward "Total Quality" which is derived of four elements:

1

**Total satisfaction of our customers**

2

**Make our distributors and suppliers our partners in providing the highest quality**

3

**Create a positive environment for our employees that fosters their full potential**

4

**Continuous financial success of the company**

We accomplish this by maintaining an honest and ethical business relationship with our customers, suppliers and employees.

## Our Goal

Tylok's aggressive goal is to establish ourselves as an industry leader and expand our market share. This is maintained in every department within the organization. Our "total effort" will guard against losing the personal touch that makes our business enjoyable and prosperous for all involved.



## Instrumentation Pipe Fittings

Tylok Instrumentation Pipe Fittings are offered in popular configurations such as reducing adapters, reducing bushings, pipe unions, elbows, tees, crosses, etc.

Fittings are manufactured to the same high quality standards as other Tylok Fittings. Each fitting is thoroughly cleaned to eliminate system contamination and features an attractive surface finish to enhance the appearance of modern scientific instrumentation and equipment.

Fittings are manufactured from materials meeting applicable ASTM or ASME specifications, with pipe threads which meet or exceed ANSI/ASME B1.20.1 requirements. Strict quality control procedures are followed throughout production.

Pipe thread connections are very common in today's industry. They are relatively easy to work with because of the common sizes and dimensions throughout manufacturing. It is important to use a thread sealant.

These products range from pipe "dopes" to Teflon tape, all of which can be purchased through your local Tylok Distributor.

## Design/Features

Tylok Instrumentation Pipe Fittings are manufactured to the same high quality standards as other Tylok Fittings. Each fitting is thoroughly cleaned to eliminate system contamination and features an attractive surface finish to enhance the appearance of modern scientific instrumentation and equipment.

## Technical Support and Training

Tylok International, Inc. ensures all of its Distributors are trained on the proper installation of fittings and valves. Tylok Distributors are trained to provide the technical support you deserve. Additionally, our Distributors will help in finding solutions for specific applications. Contact your local Tylok Distributor for further information.

## Quality Management System

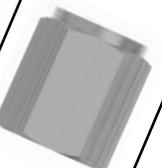
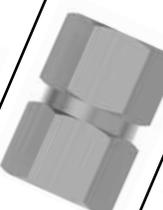
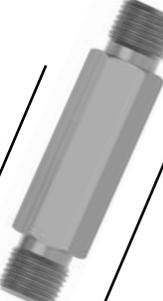
SAI Global has registered Tylok International's Quality Management System to ISO 9001:2008. The quality system complies with the international standard ISO 9001:2008 and its technical equivalent, ANSI/ISO/ASQ Q9001:2008. Tylok strives to continuously improve the effectiveness of the Quality Management System.



ISO 9001

ISO 9001:2008

# Table of Contents/Product Locator

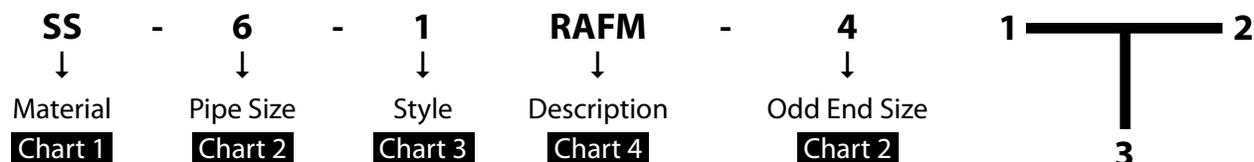
|  |   |  |  |   |   |
|--|---|--|--|---|---|
|  <p><b>1HN</b><br/>Hex Nipple<br/>5</p>                       |  <p><b>1HRN</b><br/>Hex Reducing Nipple<br/>6</p>                |  <p><b>1MPP</b><br/>Male Pipe Plug<br/>6</p>        |  <p><b>1RAFM</b><br/>Reducer Adapter – Female To Male<br/>6</p> |  <p><b>1RBMF</b><br/>Reducer Bushing – Male To Female<br/>7</p> |  <p><b>2FF</b><br/>Female Pipe Elbow<br/>7</p> |
|  <p><b>2FM</b><br/>Female – Male Pipe Elbow<br/>7</p>       |  <p><b>2FMR</b><br/>Female – Male Reducer Pipe Elbow<br/>8</p> |  <p><b>2MM</b><br/>Male Pipe Elbow<br/>8</p>      |  <p><b>3FFF</b><br/>All Female Pipe Tee<br/>8</p>            |  <p><b>3FFM</b><br/>Pipe Tee – Female-Female-Male<br/>9</p>  |   |
|  <p><b>3FMF</b><br/>Pipe Tee – Female-Male-Female<br/>9</p> |  <p><b>3MMM</b><br/>All Male Pipe Tee<br/>9</p>                |  <p><b>4FPCR</b><br/>Female Pipe Cross<br/>10</p> |  <p><b>1MDF</b><br/>Mud Dauber Fitting<br/>10</p>            | <p><b>Technical Information</b><br/>11</p>  |   |
| <p><b>HOW TO ORDER</b><br/>3</p>   |  <p><b>1FMA</b><br/>Female To Male Adapter<br/>4</p>             |  <p><b>1FPC</b><br/>Female Pipe Cap<br/>4</p>       |  <p><b>1FPRU</b><br/>Female Pipe Reducer Union<br/>4</p>        |  <p><b>1FPU</b><br/>Female Pipe Union<br/>5</p>                |  <p><b>1HLN</b><br/>Hex Long Nipple<br/>5</p>  |

# How to Order Pipe Fittings

Tylok Instrumentation Pipe Fittings are ordered as listed in this catalog by inserting the material code before the part number.

Tylok Instrumentation Pipe Fittings can be identified through the part number as to material, pipe size, configuration and thread connection. The part number describes a complete fitting. The size nomenclature to describe a tee fitting is from left (1) to right (2) and down (3). Special Configurations available upon request.

Example: A Stainless Steel Reducer Adapter 3/8" Female Pipe to 1/4" Male Pipe is designated as follows:



## Chart 1 - Material

|    |                 |
|----|-----------------|
| B  | Brass           |
| SS | Stainless Steel |
| S  | Steel           |

## Chart 3 - Style

|   |          |
|---|----------|
| 1 | Straight |
| 2 | Elbow    |
| 3 | Tee      |
| 4 | Cross    |

## Chart 2 - Pipe Size

| Designator | Pipe Thread (NPT) | Pipe Thread BSPP/BSPT |
|------------|-------------------|-----------------------|
| 1          | 1/16-27           | 1/16-28               |
| 2          | 1/8-27            | 1/8-28                |
| 3          |                   |                       |
| 4          | 1/4-18            | 1/4-19                |
| 5          |                   |                       |
| 6          | 3/8-18            | 3/8-19                |
| 8          | 1/2-14            | 1/2-14                |
| 10         |                   |                       |
| 12         | 3/4-14            | 3/4-14                |
| 14         |                   |                       |
| 16         | 1.0-11 1/2        | 1.0-11                |

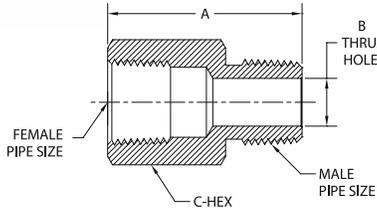
## Chart 4 - Description

|       |                                  |       |                                   |
|-------|----------------------------------|-------|-----------------------------------|
| 1FMA  | Female To Male Adapter           | 2FF   | Female Pipe Elbow                 |
| 1FPC  | Female Pipe Cap                  | 2FM   | Female - Male Pipe Elbow          |
| 1FPRU | Female Pipe Reducer Union        | 2FMR  | Female - Male Reducer Pipe Elbow  |
| 1HLN  | Hex Long Nipple                  | 2MM   | Male Pipe Elbow                   |
| 1HN   | Hex Nipple                       | 3FFF  | All Female Pipe Tee               |
| 1HRN  | Hex Reducing Nipple              | 3FMF  | Pipe Tee - Female - Male - Female |
| 1MPP  | Male Pipe Plug                   | 3MMM  | All Male Pipe Tee                 |
| 1RAFM | Reducer Adapter - Female to Male | 4FPCR | Female Pipe Cross                 |
| 1RBMF | Reducer Bushing - Male To Female | 1MDF  | Mud Dauber Fitting                |

# 1FMA, 1FPC, 1FPRU

## 1FMA

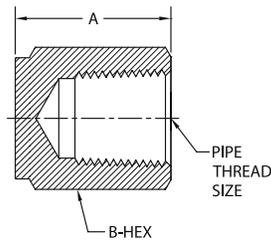
### FEMALE TO MALE ADAPTER



| PART NO. | FEMALE PIPE SIZE | MALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|----------|------------------|----------------|-------|-------------|--------|
| 2-1FMA   | 1/8              | 1/8            | 1.062 | .187        | 9/16   |
| 4-1FMA   | 1/4              | 1/4            | 1.375 | .281        | 3/4    |
| 6-1FMA   | 3/8              | 3/8            | 1.562 | .375        | 7/8    |
| 8-1FMA   | 1/2              | 1/2            | 1.906 | .468        | 1-1/16 |
| 12-1FMA  | 3/4              | 3/4            | 1.937 | .625        | 1-5/16 |
| 16-1FMA  | 1                | 1              | 2.281 | .875        | 1-5/8  |

## 1FPC

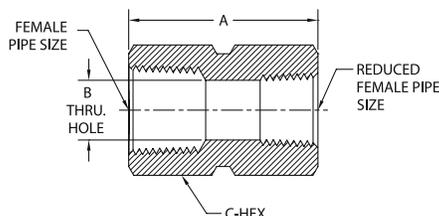
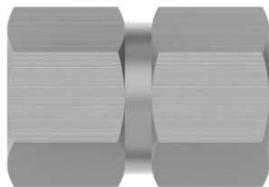
### FEMALE PIPE CAP



| PART NO. | PIPE THREAD SIZE | A     | B HEX  |
|----------|------------------|-------|--------|
| 2-1FPC   | 1/8              | .750  | 9/16   |
| 4-1FPC   | 1/4              | .906  | 3/4    |
| 6-1FPC   | 3/8              | 1.031 | 7/8    |
| 8-1FPC   | 1/2              | 1.343 | 1-1/16 |
| 12-1FPC  | 3/4              | 1.437 | 1-5/16 |
| 16-1FPC  | 1                | 1.625 | 1-5/8  |

## 1FPRU

### FEMALE PIPE REDUCER UNION



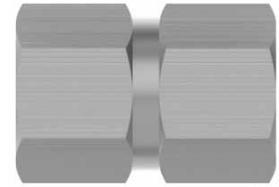
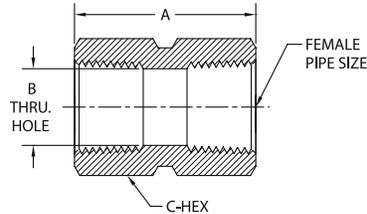
| PART NO.    | FEMALE PIPE SIZE | REDUCED FEMALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|-------------|------------------|--------------------------|-------|-------------|--------|
| 4-1FPRU-2   | 1/4              | 1/8                      | 1.218 | .328        | 3/4    |
| 6-1FPRU-4   | 3/8              | 1/4                      | 1.375 | .421        | 7/8    |
| 8-1FPRU-2   | 1/2              | 1/8                      | 1.562 | .328        | 1-1/16 |
| 8-1FPRU-4   | 1/2              | 1/4                      | 1.750 | .421        | 1-1/16 |
| 8-1FPRU-6   | 1/2              | 3/8                      | 1.781 | .562        | 1-1/16 |
| 12-1FPRU-4  | 3/4              | 1/4                      | 1.812 | .421        | 1-5/16 |
| 12-1FPRU-8  | 3/4              | 1/2                      | 2.062 | .687        | 1-5/16 |
| 16-1FPRU-8  | 1                | 1/2                      | 2.187 | .687        | 1-5/8  |
| 16-1FPRU-12 | 1                | 3/4                      | 2.250 | .890        | 1-5/8  |

\*NOTE: All dimensions subject to change, to be used for reference only.

| PART NO. | FEMALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|----------|------------------|-------|-------------|--------|
| 2-1FPU   | 1/8              | .812  | .328        | 9/16   |
| 4-1FPU   | 1/4              | 1.187 | .421        | 3/4    |
| 6-1FPU   | 3/8              | 1.312 | .562        | 7/8    |
| 8-1FPU   | 1/2              | 1.625 | .687        | 1-1/16 |
| 12-1FPU  | 3/4              | 1.687 | .890        | 1-5/16 |
| 16-1FPU  | 1                | 2.000 | 1.125       | 1-5/8  |

## 1FPU

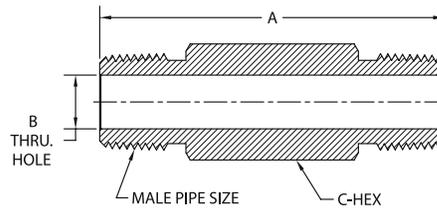
### FEMALE PIPE UNION



| PART NO.  | MALE PIPE SIZE | A                            | B THRU HOLE | C HEX  |
|-----------|----------------|------------------------------|-------------|--------|
| 2-1HLN-★  | 1/8            | ★ Made To Order Specify Size | .187        | 7/16   |
| 4-1HLN-★  | 1/4            |                              | .281        | 9/16   |
| 6-1HLN-★  | 3/8            |                              | .3751       | 1/16   |
| 8-1HLN-★  | 1/2            |                              | .468        | 7/8    |
| 12-1HLN-★ | 3/4            |                              | .625        | 1-1/16 |
| 16-1HLN-★ | 1              |                              | .875        | 1-3/8  |

## 1HLN

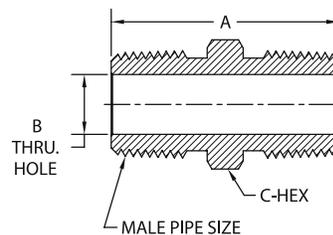
### HEX LONG NIPPLE



| PART NO. | MALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|----------|----------------|-------|-------------|--------|
| 1-1HN    | 1/16           | .937  | .125        | 3/8    |
| 2-1HN    | 1/8            | 1.000 | .187        | 7/16   |
| 4-1HN    | 1/4            | 1.375 | .281        | 9/16   |
| 6-1HN    | 3/8            | 1.406 | .375        | 11/16  |
| 8-1HN    | 1/2            | 1.781 | .468        | 7/8    |
| 12-1HN   | 3/4            | 1.812 | .625        | 1-1/16 |
| 16-1HN   | 1              | 2.281 | .875        | 1-3/8  |

## 1HN

### HEX NIPPLE

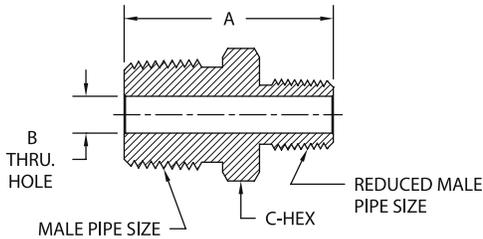


\*NOTE: All dimensions subject to change, to be used for reference only.

# 1HRN, 1MPP, 1RAFM

## 1HRN

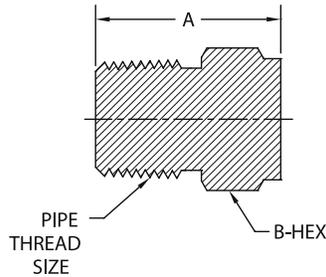
### HEX REDUCING NIPPLE



| PART NO.   | MALE PIPE SIZE | REDUCED MALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|------------|----------------|------------------------|-------|-------------|--------|
| 2-1HRN-1   | 1/8            | 1/16                   | 1.000 | .125        | 7/16   |
| 4-1HRN-2   | 1/4            | 1/8                    | 1.187 | .187        | 9/16   |
| 6-1HRN-2   | 3/8            | 1/8                    | 1.218 | .1871       | 1/16   |
| 6-1HRN-4   | 3/8            | 1/4                    | 1.406 | .281        | 11/16  |
| 8-1HRN-2   | 1/2            | 1/8                    | 1.406 | .187        | 7/8    |
| 8-1HRN-4   | 1/2            | 1/4                    | 1.593 | .281        | 7/8    |
| 8-1HRN-6   | 1/2            | 3/8                    | 1.625 | .375        | 7/8    |
| 12-1HRN-4  | 3/4            | 1/4                    | 1.625 | .281        | 1-1/16 |
| 12-1HRN-8  | 3/4            | 1/2                    | 1.812 | .468        | 1-1/16 |
| 16-1HRN-4  | 1              | 1/4                    | 1.906 | .281        | 1-3/8  |
| 16-1HRN-8  | 1              | 1/2                    | 2.093 | .468        | 1-3/8  |
| 16-1HRN-12 | 1              | 3/4                    | 2.093 | .625        | 1-3/8  |

## 1MPP

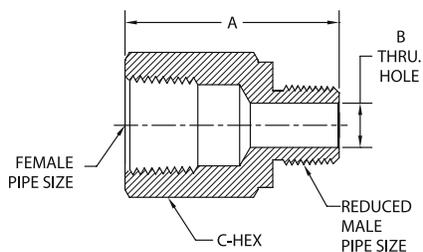
### MALE PIPE PLUG



| PART NO. | PIPE THREAD | A     | B HEX  |
|----------|-------------|-------|--------|
| 1-1MPP   | 1/16        | .750  | 3/8    |
| 2-1MPP   | 1/8         | .750  | 7/16   |
| 4-1MPP   | 1/4         | 1.000 | 9/16   |
| 6-1MPP   | 3/8         | 1.000 | 11/16  |
| 8-1MPP   | 1/2         | 1.312 | 7/8    |
| 12-1MPP  | 3/4         | 1.375 | 1-1/16 |
| 16-1MPP  | 1           | 1.500 | 1-3/8  |

## 1RAFM

### REDUCER ADAPTER - FEMALE TO MALE



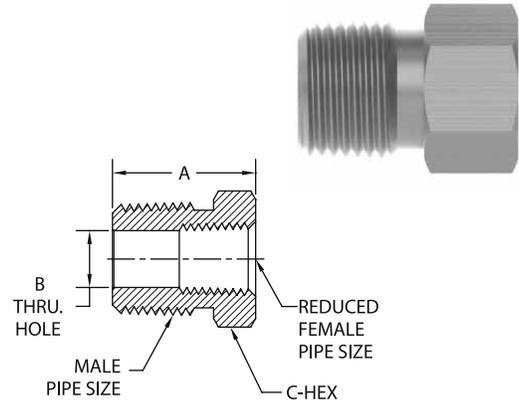
| PART NO.    | FEMALE PIPE SIZE | REDUCED MALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|-------------|------------------|------------------------|-------|-------------|--------|
| 2-1RAFM-1   | 1/8              | 1/16                   | 1.093 | .125        | 9/16   |
| 4-1RAFM-2   | 1/4              | 1/8                    | 1.250 | .187        | 3/4    |
| 6-1RAFM-2   | 3/8              | 1/8                    | 1.437 | .187        | 7/8    |
| 6-1RAFM-4   | 3/8              | 1/4                    | 1.562 | .281        | 7/8    |
| 8-1RAFM-2   | 1/2              | 1/8                    | 1.687 | .187        | 1-1/16 |
| 8-1RAFM-4   | 1/2              | 1/4                    | 1.812 | .281        | 1-1/16 |
| 8-1RAFM-6   | 1/2              | 3/8                    | 1.812 | .375        | 1-1/16 |
| 12-1RAFM-4  | 3/4              | 1/4                    | 1.968 | .281        | 1-5/16 |
| 12-1RAFM-6  | 3/4              | 3/8                    | 1.968 | .375        | 1-5/16 |
| 12-1RAFM-8  | 3/4              | 1/2                    | 2.062 | .468        | 1-5/16 |
| 16-1RAFM-4  | 1                | 1/4                    | 2.125 | .281        | 1-5/8  |
| 16-1RAFM-8  | 1                | 1/2                    | 2.250 | .468        | 1-5/8  |
| 16-1RAFM-12 | 1                | 3/4                    | 2.250 | .625        | 1-5/8  |

\*NOTE: All dimensions subject to change, to be used for reference only.

| PART NO.    | MALE PIPE SIZE | REDUCED FEMALE PIPE SIZE | A     | B THRU HOLE | C HEX  |
|-------------|----------------|--------------------------|-------|-------------|--------|
| 2-1RBMF-1   | 1/8            | 1/16                     | 1.000 | .187        | 7/16   |
| 4-1RBMF-2   | 1/4            | 1/8                      | 1.000 | .281        | 9/16   |
| 6-1RBMF-2   | 3/8            | 1/8                      | .843  | .328        | 11/16  |
| 6-1RBMF-4   | 3/8            | 1/4                      | 1.125 | .375        | 3/4    |
| 8-1RBMF-2   | 1/2            | 1/8                      | 1.062 | .328        | 7/8    |
| 8-1RBMF-4   | 1/2            | 1/4                      | 1.062 | .421        | 7/8    |
| 8-1RBMF-6   | 1/2            | 3/8                      | 1.312 | .468        | 7/8    |
| 12-1RBMF-4  | 3/4            | 1/4                      | 1.062 | .421        | 1-1/16 |
| 12-1RBMF-6  | 3/4            | 3/8                      | 1.062 | .562        | 1-1/16 |
| 12-1RBMF-8  | 3/4            | 1/2                      | 1.562 | .625        | 1-1/16 |
| 16-1RBMF-4  | 1              | 1/4                      | 1.343 | .421        | 1-3/8  |
| 16-1RBMF-6  | 1              | 3/8                      | 1.343 | .562        | 1-3/8  |
| 16-1RBMF-8  | 1              | 1/2                      | 1.343 | .687        | 1-3/8  |
| 16-1RBMF-12 | 1              | 3/4                      | 1.750 | .875        | 1-3/8  |

## 1 RBMF

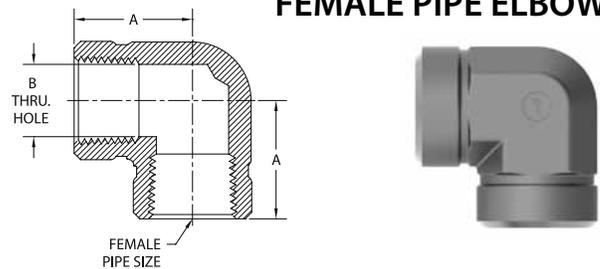
### REDUCER BUSHING - MALE TO FEMALE



| PART NO.  | FEMALE PIPE SIZE | A     | B THRU HOLE |
|-----------|------------------|-------|-------------|
| 2-2FF-2   | 1/8              | .843  | .328        |
| 4-2FF-4   | 1/4              | .968  | .421        |
| 6-2FF-6   | 3/8              | 1.000 | .562        |
| 8-2FF-8   | 1/2              | 1.125 | .687        |
| 12-2FF-12 | 3/4              | 1.437 | .890        |

## 2FF

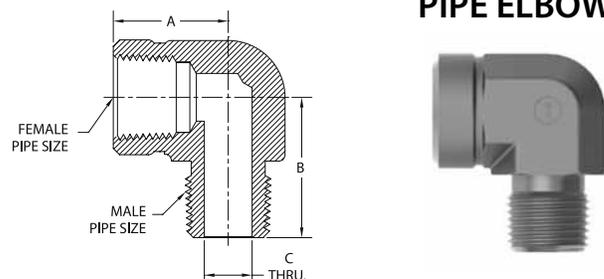
### FEMALE PIPE ELBOW



| PART NO.  | PIPE SIZES | A     | B     | C THRU HOLE |
|-----------|------------|-------|-------|-------------|
| 1-2FM-1   | 1/16       | .750  | .718  | .125        |
| 2-2FM-2   | 1/8        | .843  | .843  | .187        |
| 4-2FM-4   | 1/4        | .843  | 1.093 | .281        |
| 6-2FM-6   | 3/8        | 1.000 | 1.125 | .375        |
| 8-2FM-8   | 1/2        | 1.125 | 1.375 | .468        |
| 12-2FM-12 | 3/4        | 1.437 | 1.562 | .625        |
| 16-2FM-16 | 1          | 1.906 | 1.906 | .875        |

## 2FM

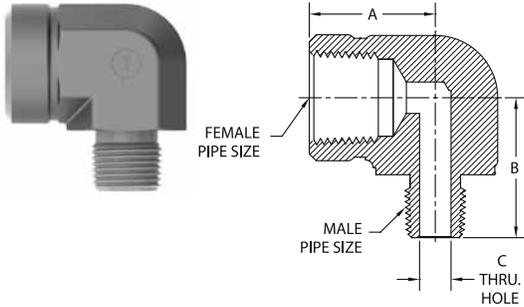
### FEMALE - MALE PIPE ELBOW



\*NOTE: All dimensions subject to change, to be used for reference only.

## 2FMR

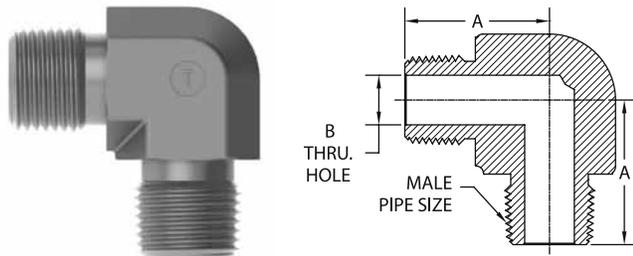
### FEMALE - MALE REDUCER PIPE ELBOW



| PART NO. | FEMALE PIPE SIZE | MALE PIPE SIZE | A     | B     | C THRU HOLE |
|----------|------------------|----------------|-------|-------|-------------|
| 2-2FMR-1 | 1/8              | 1/16           | .750  | .750  | .125        |
| 4-2FMR-2 | 1/4              | 1/8            | .843  | .937  | .187        |
| 6-2FMR-4 | 3/8              | 1/4            | 1.062 | 1.062 | .281        |
| 8-2FMR-4 | 1/2              | 1/4            | 1.125 | 1.250 | .281        |
| 8-2FMR-6 | 1/2              | 3/8            | 1.125 | 1.250 | .375        |

## 2MM

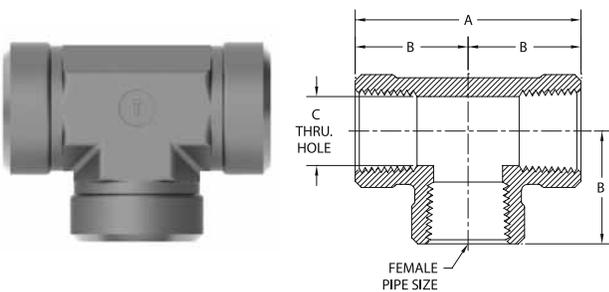
### MALE PIPE ELBOW



| PART NO.  | MALE PIPE SIZE | A     | B THRU HOLE |
|-----------|----------------|-------|-------------|
| 2-2MM-2   | 1/8            | .750  | .187        |
| 4-2MM-4   | 1/4            | 1.000 | .281        |
| 6-2MM-6   | 3/8            | 1.093 | .375        |
| 8-2MM-8   | 1/2            | 1.375 | .468        |
| 12-2MM-12 | 3/4            | 1.500 | .625        |
| 16-2MM-16 | 1              | 1.875 | .875        |

## 3FFF

### ALL FEMALE PIPE TEE



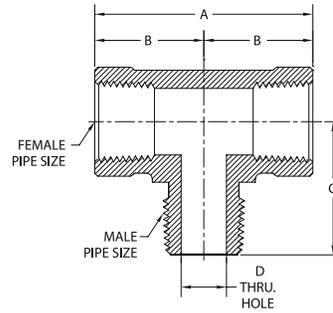
| PART NO.   | FEMALE PIPE SIZE | A     | B      | C THRU HOLE |
|------------|------------------|-------|--------|-------------|
| 2-3FFF-2   | 1/8              | 1.687 | .843   | .328        |
| 4-3FFF-4   | 1/4              | 1.687 | .843   | .421        |
| 6-3FFF-6   | 3/8              | 2.000 | 1.000  | .562        |
| 8-3FFF-8   | 1/2              | 2.250 | 1.125  | .687        |
| 12-3FFF-12 | 3/4              | 2.625 | 1.312  | .890        |
| 16-3FFF-16 | 1                | 3.250 | 1.6251 | .125        |

\*NOTE: All dimensions subject to change, to be used for reference only.

| PART NO.   | PIPE SIZES | A     | B     | C     | D THRU HOLE |
|------------|------------|-------|-------|-------|-------------|
| 2-3FFM-2   | 1/8        | 1.687 | .843  | .843  | .187        |
| 4-3FFM-4   | 1/4        | 1.875 | .937  | 1.000 | .281        |
| 6-3FFM-6   | 3/8        | 2.000 | 1.000 | 1.125 | .375        |
| 8-3FFM-8   | 1/2        | 2.250 | 1.125 | 1.375 | .468        |
| 12-3FFM-12 | 3/4        | 2.750 | 1.375 | 1.625 | .625        |

## 3FFM

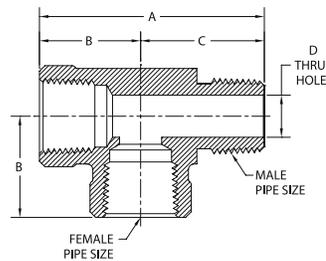
PIPE TEE - FEMALE-FEMALE-MALE



| PART NO.   | PIPE SIZES | A     | B     | C     | D THRU HOLE |
|------------|------------|-------|-------|-------|-------------|
| 2-3FMF-2   | 1/8        | 1.687 | .843  | .843  | .187        |
| 4-3FMF-4   | 1/4        | 1.890 | .843  | 1.046 | .281        |
| 6-3FMF-6   | 3/8        | 2.125 | 1.000 | 1.125 | .375        |
| 8-3FMF-8   | 1/2        | 2.500 | 1.125 | 1.375 | .468        |
| 12-3FMF-12 | 3/4        | 2.937 | 1.437 | 1.500 | .625        |

## 3FMF

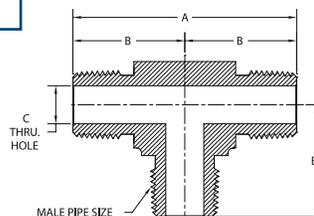
PIPE TEE - FEMALE-MALE-FEMALE



| PART NO.   | MALE PIPE SIZE | A     | B     | C THRU HOLE |
|------------|----------------|-------|-------|-------------|
| 2-3MMM-2   | 1/8            | 1.437 | .718  | .187        |
| 4-3MMM-4   | 1/4            | 1.875 | .937  | .281        |
| 6-3MMM-6   | 3/8            | 2.000 | 1.000 | .375        |
| 8-3MMM-8   | 1/2            | 2.750 | 1.375 | .468        |
| 12-3MMM-12 | 3/4            | 2.750 | 1.375 | .625        |

## 3MMM

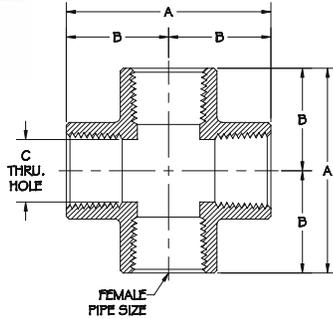
ALL MALE PIPE TEE



\*NOTE: All dimensions subject to change, to be used for reference only.

## 4FPCR

### FEMALE PIPE CROSS

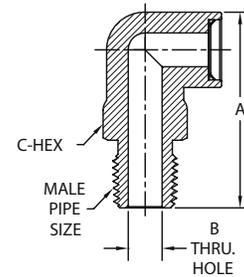
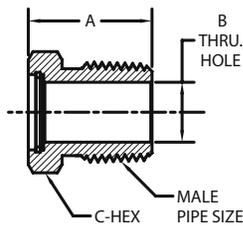


| PART NO. | FEMALE PIPE SIZE | A     | B     | C THRU HOLE |
|----------|------------------|-------|-------|-------------|
| 2-4FPCR  | 1/8              | 1.687 | .843  | .328        |
| 4-4FPCR  | 1/4              | 1.687 | .843  | .421        |
| 6-4FPCR  | 3/8              | 2.125 | 1.062 | .562        |
| 8-4FPCR  | 1/2              | 2.250 | 1.125 | .687        |
| 12-4FPCR | 3/4              | 2.875 | 1.437 | .890        |
| 16-4FPCR | 1                | 3.250 | 1.625 | 1.125       |

## 1MDF

### MUD DAUBER

| PART NO.  | INTERCHANGES WITH | NPT SIZE | A    | B THRU HOLE | C HEX |
|-----------|-------------------|----------|------|-------------|-------|
| 4-1MDF    | MD-4 2 MDF        | 1/4-18   | .81  | .28         | 9/16  |
| 6-1MDF    | MD-6 6 MDF        | 3/8-18   | .81  | .41         | 11/16 |
| 8-1MDF    | MD-8 8 MDF        | 1/2-14   | 1.03 | .50         | 7/8   |
| PP-4-2MDF | - -               | 1/4-18   | 1.44 | .28         | 5/8   |
| PP-6-2MDF | - -               | 3/8-18   | 1.44 | .28         | 11/16 |



- Tylok Mud Daubers or Vent Protector fittings protect open ends of tubing, instruments, outlet vents and exhaust lines
- Each Vent Protector has a 300 series stainless steel 40 mesh wire screen to prevent obstructive foreign objects, such as insects, from entering and clogging a system
- Straight Vent Protectors are available in either Stainless Steel (SS) or Brass. *Add an SS or B in front of part number to specify the desired material*
- Angled Vent Protectors are available in Polypropylene (PP) only

*\*NOTE: All dimensions subject to change, to be used for reference only.*



# Limited Warranty

## Notice

In designing a system incorporating tube fittings and valves, it is the designer's or user's obligation and responsibility to determine the appropriate fittings and valves to be used for each application, and to insure proper installation and maintenance.

## Limited Warranty

Tylok fittings and valves are warranted solely against defects in material and workmanship in the performance of the specific functions for which they are designed, as set forth in the published specifications for a period of 12 months. Should any fitting and valve or its component fail due to a defect in material or workmanship, Tylok will replace said fitting and valve without charge upon return of the failed part and evidence of its failure being due to materials or workmanship.

The Warranty above set forth is the only warranty applicable to Tylok products, and is in lieu of any and all other warranties either express or implied, including any warranty of merchantability or fitness. Tylok's sole responsibility or liability as a result of any loss or damage due to failure shall be to replace the failed part or fitting and valve, and it shall bear no liability for any incidental or consequential damages to person or property.

## Other Tylok Product Families

### CBC-Lok® Tube Fittings

- CBC-Lok Tube Fittings are fully interchangeable with Swagelok and Parker A-Lok
- Sizes: Fractional: 1/16" - 1"
- Materials: Stainless Steel, Brass, Steel



### CS-Lok® Tube Fittings

- CS-Lok Tube Fittings are fully interchangeable with Parker CPI
- Sizes: Fractional: 1/16" - 1"
- Materials: Stainless Steel, Brass, Steel



### TY-FLO HP Series Ball Valves

- Pressure Ratings: 1,500 PSI and 5,000 PSI
- End Connections: Tube, Male NPT, Female NPT
- Sizes: 1/4" - 3/4"
- Materials: Stainless Steel and Brass



### TY-FLO 3pc Ball Valves

- Pressure Ratings: 1,500 PSI, up to 3,000 PSI
- End Connections: Tube, Female NPT
- Sizes: 1/4" - 2"
- Materials: Stainless Steel and Brass



### TY-FLO Needle Valves

- Pressure Ratings: 6,000 PSI, 10,000 PSI
- End Connections: Tube, Male NPT, Female NPT
- Sizes: 1/8" - 1"
- Materials: Stainless Steel, Brass, Steel



### TY-FLO Plug Valves

- Pressure Ratings: 3,000 PSIG
- End Connections: Tube, Male NPT, Female NPT
- Sizes: 1/8" - 3/8"
- Materials: Stainless Steel





## **Our History**

In the mid 1940s, Cullen Crawford founded the Crawford Fitting Company. Mr. Crawford developed and patented the original flareless fitting (nut and two ferrule system), for the Crawford Fitting Company. Thus, a new and innovative industry was born making it far easier to make tubing connections. This reduces installation time and errors. Since his invention, End Users from all four corners of the globe have made billions of connections. This system provides leak proof seals and thus Mr. Crawford has been named "The founder of the flareless fitting."

## **Our Mission**

It is our mission, at Tylok International, Inc., to continuously strive for and achieve total customer satisfaction with both our products and services.

## **Our Goal**

Tylok's aggressive goal is to establish ourselves as an industry leader and expand our market share. This is maintained in every department within the organization. Our "total effort" will guard against losing the personal touch that makes our business enjoyable and prosperous for all involved.

## **INSTRUMENTATION TUBE FITTINGS**

**CBC-Lok®**

**CS-Lok®**

**Tylok Standard**

**PIPE FITTINGS**

**WELD FITTINGS**

**BALL VALVES**

**Ty-Flo® HP Series**

**Ty-Flo® 3 Piece**

**TY-FLO® NEEDLE VALVES**

**PLUG VALVES**

**QUICK CONNECTS**

**FLEXIBLE METAL HOSE**



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