



# DIN FITTINGS

*DIN 2353 METRIC BITE-TYPE FITTINGS AND ADAPTERS BY VOLZ*





## DIN FITTINGS BY VOLZ

Based in Germany, Volz Group is a leading manufacturer of stainless and carbon steel DIN 2353 fittings. Brennan has entered into a strategic alliance with Volz to bring these high quality fittings to the North American marketplace. Volz's German manufacturing standards, innovative plating technology and wide DIN and Metric product range are now available to you through Brennan.

*For more information on DIN, Metric and other international fittings please contact a Brennan representative.*





# STAINLESS STEEL TUBE FITTINGS



## NO COMPROMISE ON QUALITY

We only use high quality stainless steel 1.4571 (316Ti) due to its exceptional temperature and corrosion resistance. We recommend 316Ti for environments with high salt levels, acidity, or near weld seams. The high service life of our tube and hose fittings also reduces your replacement and maintenance costs.

## HIGH QUALITY MATERIAL FOR LONGER LIFE

- Exclusively V4A materials, 1.4571 (316Ti)
- Exceptional temperature and corrosion resistance
- Recommended for use with high salt levels or acids, or near weld seams
- 100% traceability to the smelting furnace
- Inspection certificate available upon request
- Viton seals

# CARBON STEEL FITTINGS AND ACCESSORIES



## QUALITY PRODUCTS IN CARBON STEEL

Our carbon steel tube fittings offer excellent corrosion protection. The zinc-nickel plating far exceeds US and international corrosion resistance standards, including VDMA 24576 class K5. Our zinc-nickel plated fittings showed no traces of white or red rust even after 1000 hours of exposure to salt spray testing.

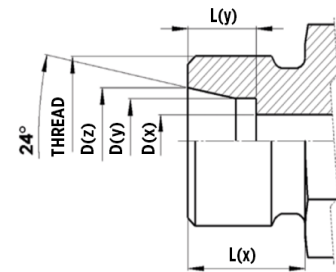
## SUPERIOR ZINC-NICKEL PLATING

- Exceptional rust resistance, over 1000 hours under salt spray testing
  - High abrasion protection
  - High temperature stability
  - Good paintability
- Low contact corrosion with aluminum, even lower with stainless steel
  - Clean, high quality appearance
  - NBR Seals

# 24° CUTTING RING CONE END FOR TUBE COUPLINGS

Standard dimensions of bore form W acc. to DIN 3861, ISO 8434-1

| Series          |    | THREAD     | Dx  | Dy | Dz   | Lx | Ly   |
|-----------------|----|------------|-----|----|------|----|------|
| E = EXTRA LIGHT | 4  | M 8 x 1    | 3   | 4  | 5.0  | 8  | 4.0  |
|                 | 6  | M 10 x 1   | 4.5 | 6  | 7.5  | 8  | 5.5  |
|                 | 8  | M 12 x 1   | 6   | 8  | 9.5  | 9  | 5.5  |
| L = LIGHT       | 6  | M 12 x 1.5 | 4   | 6  | 8.1  | 10 | 7.0  |
|                 | 8  | M 14 x 1.5 | 6   | 8  | 10.1 | 10 | 7.0  |
|                 | 10 | M 16 x 1.5 | 8   | 10 | 12.3 | 11 | 7.0  |
|                 | 12 | M 18 x 1.5 | 10  | 12 | 14.3 | 11 | 7.0  |
|                 | 15 | M 22 x 1.5 | 12  | 15 | 17.3 | 12 | 7.0  |
|                 | 18 | M 26 x 1.5 | 15  | 18 | 20.3 | 12 | 7.5  |
|                 | 22 | M 30 x 2   | 19  | 22 | 24.3 | 14 | 7.5  |
|                 | 28 | M 36 x 2   | 24  | 28 | 30.3 | 14 | 7.5  |
|                 | 35 | M 45 x 2   | 30  | 35 | 38.0 | 16 | 10.5 |
|                 | 42 | M 52 x 2   | 36  | 42 | 45.0 | 16 | 11.0 |
| S = HEAVY       | 6  | M 14 x 1.5 | 4   | 6  | 8.1  | 12 | 7.0  |
|                 | 8  | M 16 x 1.5 | 5   | 8  | 10.1 | 12 | 7.0  |
|                 | 10 | M 18 x 1.5 | 7   | 10 | 12.3 | 12 | 7.5  |
|                 | 12 | M 20 x 1.5 | 8   | 12 | 14.3 | 12 | 7.5  |
|                 | 14 | M 22 x 1.5 | 10  | 14 | 16.3 | 14 | 8.0  |
|                 | 16 | M 24 x 1.5 | 12  | 16 | 18.3 | 14 | 8.5  |
|                 | 20 | M 30 x 2   | 16  | 20 | 22.9 | 16 | 1.05 |
|                 | 25 | M 36 x 2   | 20  | 25 | 27.9 | 18 | 12.0 |
|                 | 30 | M 42 x 2   | 25  | 30 | 33.0 | 20 | 13.5 |
|                 | 38 | M 52 x 2   | 32  | 38 | 41.0 | 22 | 16.0 |

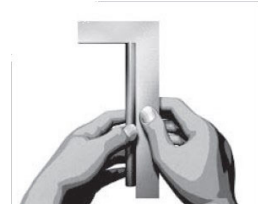


## STANDARDS

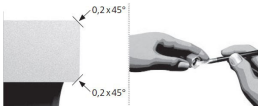
| Thread Styles              | Volz Description | Standards               | Forms/Seals                        |
|----------------------------|------------------|-------------------------|------------------------------------|
| MBT (Male Bite Type)       |                  | DIN 2353/ ISO 8434-1    |                                    |
| Female Metric Swivel       | DKO              | DIN 2353/ ISO 8434-1    |                                    |
| Female Standpipe           |                  | DIN 2353/ ISO 8434-1    |                                    |
| Male BSPP                  | R                | DIN 3852-2, ISO 1179-4  | Form B (metal sealing edge)        |
| Male BSPP WD               | R-WD             | DIN 3852-11, ISO 1179-2 | Form E (soft seal)                 |
| Metric Parallel            | M                | DIN 3852-1, ISO 9974-3  | Form B (metal sealing edge)        |
| Metric Parallel WD         | M-WD             | DIN 3852-11, ISO 9974-2 | Form E (soft seal)                 |
| BSPT (shorter than ISO 7)  | R-keg            | DIN 3852-2              | Form C                             |
| Metric Tapered             | M-keg            | DIN 3852-1              | Form C                             |
| ISO 6149                   | M-ODR            | ISO 6149                | Form F                             |
| Pipe                       | NPT              | ANSI/ASME B1.20.1       | Stud end NPT                       |
| ORB (Oring Boss)           | UNF/UN           | ISO 11926               |                                    |
| BSPP                       | R-ZYL            | DIN 3852-2, ISO 1179-1  |                                    |
| Metric Parallel            | M-ZYL            | DIN 3852-1, ISO 9974-1  |                                    |
| Male BSPP adjustable       | WEE-R            | ISO 1179-3              | Form G, H (O-ring /retaining ring) |
| Metric parallel adjustable | WEE-M            |                         | O-ring/retaining ring              |
| Metric parallel adjustable | WEE-OR           | ISO 6149-2/3            | O-ring                             |
| ORB (Oring Boss)           | WEE-UNF/UN       | ISO 11926               | O-ring                             |
| JIC                        |                  | SAE 514 / ISO 8434-2    |                                    |
| NPT                        |                  |                         |                                    |

Note: Stainless steel fittings come with Viton seals, carbon steel fittings with NBR seals. Some Stainless Steel fittings have different pressure ratings than Carbon Steel fittings for info visit [Brennaninc.com](http://Brennaninc.com) or contact your sales rep.

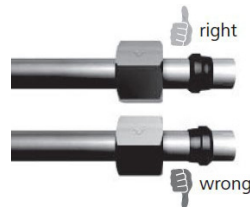
# ASSEMBLY INSTRUCTIONS



1. Saw the tube off square.  
An angular deviation of  $0.5^\circ$  relative to the tube axis is permissible.  
Please note!! Do not use pipe cutters. Use reinforcing sleeve with thin wall tubes.



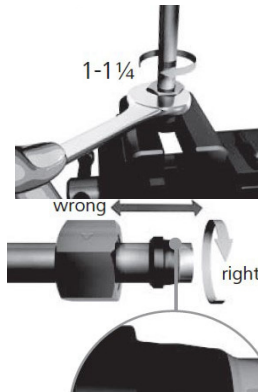
2. Lightly debur the tube ends and clean the tube thoroughly  
The tube end within the assembly length must be free from swarf, dirt and paint.



3. Assembly of cutting ring  
Place nut and cutting ring on tube as shown.  
Please note!! ensure that the cutting ring edge is facing the tube end.



4. Find point of resistance  
Push pipe completely into the connector.  
Tighten nut until the ring makes contact with the tube surface – this point can be felt by an increase in the torque.  
(Torque increase point)



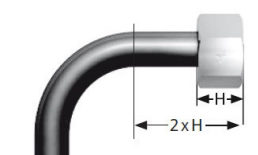
5. Final assembly  
After the ring has contacted the tube, mark position of the nut. Tighten the nut by  $1\frac{1}{4}$  turn\*. Ensure to use wrench extension as required.  
Please Note!!! Fitting body to be used one time only. If pre-assembling is required please visit [www.brennaninc.com/literature](http://www.brennaninc.com/literature) for instructions.  
\*For carbon steel, tighten the nut by 1 turn.



6. Control  
Check penetration of cutting edge. A visible ring of material should fill the space in front of the cutting ring end face. Cutting ring may turn on tube but should not be capable of moving in an axial direction.



7. Repeated Assembly  
Each time the fitting has been loosened, re-assembly must be performed with the same torque as initial assembly. Hold the body rigid. Threads must be lubricated. Recommended to use wrench extension.



8. Minimum length of straight tube end for tube bends  
For tube bends, the length of the straight tube end, up to the start of the bend radius, must be at least twice the nut length. The straight segment of the tube up to  $2 \times H$  must not be oval or tapered.

If you would like a short assembly training, our application engineers would be pleased to accommodate you. Please contact us for further information. Assembly instructions for use with dies and presetting machines, pressure ratings and other info can be found at [brennaninc.com](http://brennaninc.com).



# HOW TO ORDER

There are several factors that will determine your DIN Metric Bite Type (MBT) Fittings part number.

Our new part numbering system follows recognizable series numbers that closely mirror Brennan's Tube Fitting and Adapter line allowing customers to order Brennan DIN Fittings with ease. All measurements are in millimeters and all weights are in pounds.

## BRENNAN SERIES NUMBER

- Brennan Metric Bite Type Connection part numbers begin with "D"

Brennan Series Number:  
**2403**  
Male JIC to JIC Straight



Brennan Series Number:  
**D2403**  
DIN MBT to MBT Straight



## SIZE AND PRESSURE RATING

- MBT series code (pressure E, L, or S) and tube end sizes in millimeters

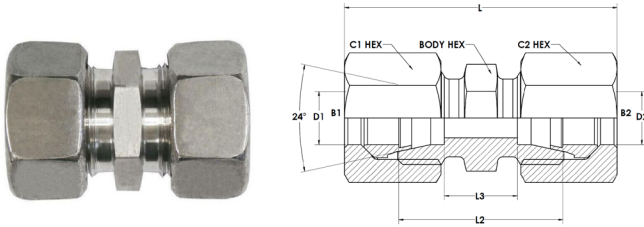
| Series Code (Pressure Rating) | + | Tube End Size (mm) | = | Result     |
|-------------------------------|---|--------------------|---|------------|
| <b>E = EXTRA LIGHT</b>        |   | <b>08 = 8MM</b>    |   | <b>E08</b> |
| <b>L = LIGHT</b>              |   | <b>10 = 10MM</b>   |   | <b>L10</b> |
| <b>S = HEAVY</b>              |   | <b>12 = 12MM</b>   |   | <b>S12</b> |

Example: Brennan Part Number: **D2403-L08-L08**  
Highlighted in GREEN below = DIN MBT 2403, Light duty 8mm straight

Below are (2) examples of how DIN fittings are displayed in this catalog:

## D2403-EQUAL

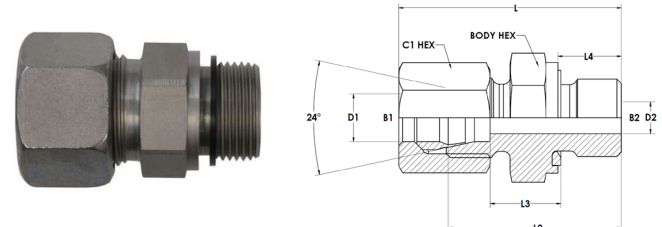
MBT-MBT STRAIGHT EQUAL UNION



## D7400-ED

MBT-MBSPP ED STRAIGHT

MBSP ISO 1179-2 FORM E ELASTOMERIC SEAL DIN 3869 (GEV R - WD)



| Part #        | CODE        | B1 |         |    | B2 |         |    | L1   | L2 | BODY | WT    | BAR |
|---------------|-------------|----|---------|----|----|---------|----|------|----|------|-------|-----|
|               |             | D1 | THREAD  | C1 | D2 | THREAD  | C2 |      |    |      |       |     |
| D2403-E04-E04 | EXTRA LIGHT | 4  | M08X1.0 | 10 | 4  | M08X1.0 | 10 | 32   | 20 | 9.0  | 0.037 | 100 |
| D2403-E06-E06 |             | 6  | M10X1.0 | 12 | 6  | M10X1.0 | 12 | 32   | 20 | 11.0 | 0.05  | 100 |
| D2403-E08-E08 |             | 8  | M12X1.0 | 14 | 8  | M12X1.0 | 14 | 35   | 23 | 12.0 | 0.067 | 100 |
| D2403-E10-E10 |             | 10 | M14X1.0 | 17 | 10 | M14X1.0 | 17 | 34.6 | 23 | 14.0 | 0.095 | 100 |
| D2403-E12-E12 |             | 12 | M16X1.0 | 19 | 12 | M16X1.0 | 19 | 38.6 | 23 | 17.0 | 0.116 | 100 |
| D2403-L06-L06 | LIGHT       | 6  | M12X1.5 | 14 | 6  | M12X1.5 | 14 | 40   | 24 | 12.0 | 0.09  | 500 |
| D2403-L08-L08 |             | 8  | M14X1.5 | 17 | 8  | M14X1.5 | 17 | 41   | 25 | 14.0 | 0.127 | 500 |
| D2403-L10-L10 |             | 10 | M16X1.5 | 19 | 10 | M16X1.5 | 19 | 43   | 27 | 17.0 | 0.162 | 500 |
| D2403-L12-L12 |             | 12 | M18X1.5 | 22 | 12 | M18X1.5 | 22 | 44   | 28 | 19.0 | 0.21  | 400 |
| D2403-L15-L15 |             | 15 | M22X1.5 | 27 | 15 | M22X1.5 | 27 | 47   | 30 | 24.0 | 0.342 | 400 |
| D2403-L18-L18 |             | 18 | M26X1.5 | 32 | 18 | M26X1.5 | 32 | 50   | 31 | 27.0 | 0.49  | 400 |
| D2403-L22-L22 |             | 22 | M30X2.0 | 36 | 22 | M30X2.0 | 36 | 56   | 35 | 32.0 | 0.659 | 250 |
| D2403-L28-L28 |             | 28 | M36X2.0 | 41 | 28 | M36X2.0 | 41 | 58   | 36 | 41.0 | 0.845 | 250 |
| D2403-L35-L35 |             | 35 | M45X2.0 | 50 | 35 | M45X2.0 | 50 | 65   | 41 | 46.0 | 1.293 | 250 |
| D2403-L42-L42 |             | 42 | M52X2.0 | 60 | 42 | M52X2.0 | 60 | 67   | 43 | 55.0 | 1.888 | 250 |

Continued...

|                 |       | B1                             |         |    | B2                                    |        |      |      |      |        |     |
|-----------------|-------|--------------------------------|---------|----|---------------------------------------|--------|------|------|------|--------|-----|
|                 |       | DIN METRIC TUBE<br>COMPRESSION |         |    | MALE BSPP<br>FORM E<br>CAPTIVE SEAL   |        |      |      |      |        |     |
|                 |       | DIN 2353, ISO<br>8434-1        |         |    | ISO 1179-4,<br>ISO 8434-6,<br>BS 5200 |        |      |      |      |        |     |
| Part #          | CODE  | D1                             | THREAD  | C1 | D2                                    | THREAD | L1   | L2   | BODY | WT     | BAR |
| D7400-L06-02-ED | LIGHT | 6                              | M12X1.5 | 14 | 4                                     | 1/8-28 | 31.5 | 23.5 | 14   | 0.062  | 500 |
| D7400-L06-04-ED |       | 6                              | M12X1.5 | 14 | 4                                     | 1/4-19 | 37   | 29   | 19   | 0.0966 | 500 |
| D7400-L06-06-ED |       | 6                              | M12X1.5 | 14 | 4                                     | 3/8-19 | 38.5 | 30.5 | 22   | 0.1246 | 500 |
| D7400-L06-08-ED |       | 6                              | M12X1.5 | 14 | 4                                     | 1/2-14 | 41   | 33   | 27   | 0.1797 | 500 |
| D7400-L08-02-ED |       | 8                              | M14X1.5 | 17 | 4                                     | 1/8-28 | 32.5 | 24.5 | 14   | 0.0813 | 500 |
| D7400-L08-04-ED |       | 8                              | M14X1.5 | 17 | 6                                     | 1/4-19 | 37   | 29   | 19   | 0.1073 | 500 |
| D7400-L08-06-ED |       | 8                              | M14X1.5 | 17 | 6                                     | 3/8-19 | 38.5 | 30.5 | 22   | 0.146  | 500 |
| D7400-L08-08-ED |       | 8                              | M14X1.5 | 17 | 6                                     | 1/2-14 | 41   | 33   | 27   | 0.1985 | 500 |
| D7400-L10-02-ED |       | 10                             | M16X1.5 | 19 | 4                                     | 1/8-28 | 33.5 | 25.5 | 17   | 0.1018 | 500 |
| D7400-L10-04-ED |       | 10                             | M16X1.5 | 19 | 6                                     | 1/4-19 | 38   | 30   | 19   | 0.1235 | 500 |
| D7400-L10-06-ED |       | 10                             | M16X1.5 | 19 | 8                                     | 3/8-19 | 39.5 | 31.5 | 22   | 0.1529 | 500 |
| D7400-L10-08-ED |       | 10                             | M16X1.5 | 19 | 8                                     | 1/2-14 | 42   | 34   | 27   | 0.2193 | 500 |
| D7400-L10-12-ED |       | 10                             | M16X1.5 | 19 | 8                                     | 3/4-14 | 45   | 37   | 32   | 0.2712 | 400 |
| D7400-L12-02-ED |       | 12                             | M18X1.5 | 22 | 4                                     | 1/8-28 | 34.5 | 26.5 | 19   | 0.1308 | 400 |
| D7400-L12-04-ED |       | 12                             | M18X1.5 | 22 | 6                                     | 1/4-19 | 39   | 31   | 19   | 0.1439 | 400 |

Continued...

## MATERIAL

- All Brennan MBT series connectors are available in Carbon & Stainless Steel

Stainless Steel material can be selected by adding "-SS" after the series code/sizes of the fitting. By default, all Brennan MBT connectors are Zinc Nickel plated Carbon Steel.

Brennan Part Number:

D7400-L08-08-ED-SS

Brennan Part Number:

D7400-L08-08-ED

**-SS = STAINLESS STEEL      BLANK = CARBON STEEL**

\* See pages 4-5 for more info on Brennan materials

## WITH OR WITHOUT TUBE NUTS & SLEEVES

- MBT can be ordered assembled with Nut and Bite Ring or unassembled

To order unassembled, add -X at the very end of the part number. All Brennan DIN MBT series listed in this catalog are assembled (With Tube Nuts and Sleeves) All Brennan DIN MBT parts are available unassembled.

Brennan Part Number:

D2403-L08-L08-SS-X

**-X = UNASSEMBLED (NO TUBE NUTS, NO BITE RING)**

Below are (2) examples of how to formulate a Brennan DIN part number:

### EXAMPLE - Metric Bite Type (MBT) Union

**D2403-L08-L08-SS-X**

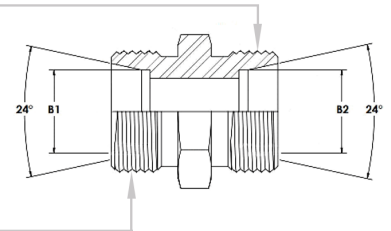
Brennan Series

Body Only: "X" indicates this part is Body Only and does not include tube nuts & sleeves

Stainless Steel: "SS" indicates this part is Stainless Steel

Connection 2: MBT (Series Code "L" = Light) ("08" = 8mm Tube OD)

Connection 1: MBT (Series Code "L" = Light) ("08" = 8mm Tube OD)



Brennan DIN part numbers can be formulated using the following table:

| Brennan Series | Connection 1 (B1) | Connection 2 (B2) | Connection 3 (B3) | Connection 4 (B2) | Material | Body Only | Result             |
|----------------|-------------------|-------------------|-------------------|-------------------|----------|-----------|--------------------|
| D2403          | -E04              | -E04              |                   |                   |          |           | D2403-E04-E04      |
| D2403          | -L08              | -L08              |                   |                   |          |           | D2403-L08-L08      |
| D2403          | -L08              | -L08              |                   |                   | -SS      |           | D2403-L08-L08-SS   |
| D2403          | -S10              | -S10              |                   |                   |          | -X        | D2403-S10-S10-X    |
| D2403          | -S10              | -S10              |                   |                   | -SS      | -X        | D2403-S10-S10-SS-X |

Note: Certain fittings series will end with ED (for Elastomeric Seal), CF (for Cut Face Seal), RR (for O-Ring Retaining Ring), or BANJO. In these cases, material and assembly designators will be placed after those descriptions. Ex: D7400-L08-08-ED-SS-X

### EXAMPLE - CONVERSION ADAPTER

**D7400-L08-08-ED-SS-X**

Brennan Series

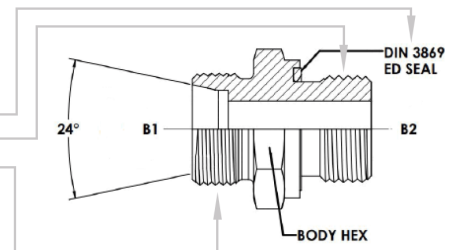
Body Only: "X" indicates this part is Body Only and does not include tube nuts & sleeves

Stainless Steel: "SS" indicates this part is Stainless Steel

Connection 2: "ED" = MBSPPE Elastomeric Seal recessed in the fitting body

Connection 2: "08" = 8mm Tube OD

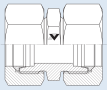
Connection 1: MBT (Series Code "L" = Light) ("08" = 8mm Tube OD)



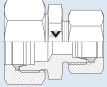
Brennan DIN part numbers can be formulated using the following table:

| Brennan Series | Connection 1 (B1) | Connection 2 (B2) | Connection 3 (B3) | Connection 4 (B2) | Material | Body Only | Result               |
|----------------|-------------------|-------------------|-------------------|-------------------|----------|-----------|----------------------|
| D7400-ED       | -E04              | -04               |                   |                   |          |           | D7400-E04-04-ED      |
| D7400-ED       | -L08              | -08               |                   |                   |          |           | D7400-L08-08-ED      |
| D7400-ED       | -L08              | -08               |                   |                   | -SS      |           | D7400-L08-08-ED-SS   |
| D7400-ED       | -S10              | -10               |                   |                   |          | -X        | D7400-S10-10-ED-X    |
| D7400-ED       | -S10              | -10               |                   |                   | -SS      | -X        | D7400-S10-10-ED-SS-X |

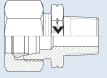
## Straights



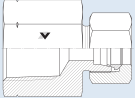
**D2403-EQUAL** Page 12  
 ■ Straight Coupling  
 24° Flareless/24° Flareless



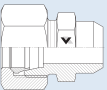
**D2403-REDUCER** Page 13  
 ■ Straight Reducer  
 24° Flareless/24° Flareless



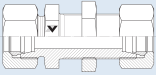
**D2404** Page 14  
 ■ Male Stud Connector  
 24° Flareless /NPT



**D2405** Page 15  
 ■ Straight Female Connector  
 Female NPT/24° Flareless



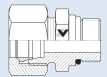
**D2425** Page 15  
 ■ Straight Weld Coupling  
 24° Flareless/Butt Weld



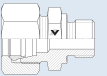
**D2700-LN** Page 16  
 ■ Bulkhead Union  
 24° Flareless/24° Flareless



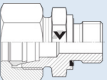
**D2700-WC** Page 17  
 ■ Straight Weld Bulkhead  
 24° Flareless/24° Flareless



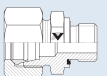
**D6400-0** Page 18  
 ■ Male Stud Connector  
 24° Flareless /SAE ORB



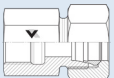
**D7400-CF** Page 19  
 ■ Male Stud Connector  
 24° Flareless/ BSPP  
 Metallic Seal



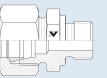
**D7400-ED** Page 20  
 ■ Male Stud Connector  
 24° Flareless/ BSPP  
 Elastomer Seal



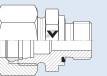
**D7404** Page 21  
 ■ Male Stud Connector  
 24° Flareless/ BSPP or Metric  
 Parallel - Elastomer Seal



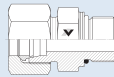
**D7405** Page 22  
 ■ Straight Female Connector  
 Female BSPP/24° Flareless



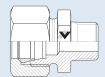
**D8400-CF** Page 23  
 ■ Male Stud Connector  
 24° Flareless/ Metric Parallel  
 Metallic Seal



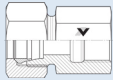
**D8400-ED** Page 24  
 ■ Male Stud Connector  
 24° Flareless/Metric Parallel  
 Elastomer Seal



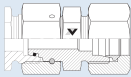
**D8400-ISO 6149** Page 25  
 ■ Male Stud Connector  
 24° Flareless / ISO 6149



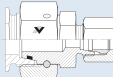
**D8404** Page 25  
 ■ Male Stud Connector  
 24° Flareless/Metric Taper



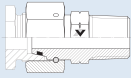
**D8405** Page 26  
 ■ Straight Female Connector  
 Female Metric Parallel/24° Flareless



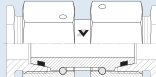
**D6504-EQUAL** Page 26  
 ■ Distance Piece  
 Flareless Swivel/24° Flareless



**D6504-REDUCER** Page 27  
 ■ Straight Reducer  
 Flareless Swivel/24° Flareless



**D6505** Page 28  
 ■ Swivel Connector  
 Flareless Swivel/NPT



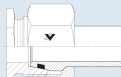
**D6565-EQUAL** Page 28  
 ■ Swivel Union  
 Flareless Swivel/Flareless  
 Swivel



**D6565-REDUCER** Page 29  
 ■ Swivel Union  
 Flareless Swivel/Flareless  
 Swivel



**D7505-ED** Page 30  
 ■ Swivel Connector  
 Flareless Swivel/BSPP  
 Elastomer Seal

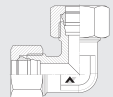


**D8440** Page 31  
 ■ Straight Weld Nipple  
 for tubes  
 24° Flareless/Butt Weld



**D8505-ED** Page 32  
 ■ Swivel Connector  
 Flareless Swivel/Metric Parallel  
 Elastomer Seal

## Elbows



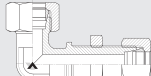
**D2500** Page 33  
 ■ Equal Elbow  
 24° Flareless/24° Flareless



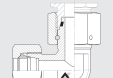
**D2501** Page 34  
 ■ Male Stud Elbow  
 24° Flareless/NPT



**D2525** Page 34  
 ■ Elbow Weld Coupling  
 24° Flareless/Butt Weld



**D2701-LN** Page 35  
 ■ Bulkhead Elbow Coupling  
 24° Flareless/24° Flareless



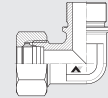
**D6500** Page 36  
 ■ Swivel Nut Elbow  
 Flareless Swivel/24° Flareless



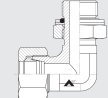
**D6801-NWO** Page 36  
 ■ Adjustable Elbow with lock  
 nut 24° Flareless/SAE ORB



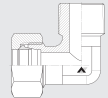
**D7501** Page 37  
 ■ Male Stud Elbow  
 24° Flareless /BSPT



**D7801-CF** Page 38  
 ■ Male Stud Elbow  
 24° Flareless/BSPP  
 Metallic Seal



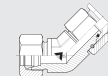
**D7801-NWO-RR** Page 38  
 ■ Adjustable Elbow with  
 lock nut 24° Flareless/  
 BSPP ORR



**D8501** Page 39  
 ■ Male Stud Elbow  
 24° Flareless/Metric Taper



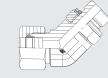
**D8801-NWO-RR** Page 39  
 ■ Adjustable Elbow with  
 lock nut 24° Flareless/Metric  
 Parallel ORR



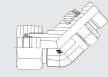
**D6502** Page 40  
 ■ Swivel Nut 45° Elbow  
 Flareless Swivel/24° Flareless



**D6802-NWO** Page 41  
 ■ Adjustable 45° Elbow with  
 lock nut  
 24° Flareless/SAE ORB

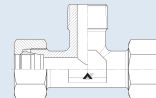


**D7802-NWO-RR** Page 42  
 ■ Adjustable 45° Elbow with  
 lock nut  
 24° Flareless/BSPP ORR

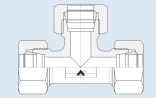


**D8802-NWO-RR** Page 43  
 ■ Adjustable 45° Elbow with  
 lock nut  
 24° Flareless/Metric Parallel ORR

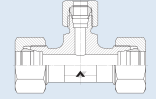
## Tees



**D2601** Page 44  
 ■ Male Stud Branch Tee  
 24° Flareless/NPT



**D2603-EQUAL** Page 45  
 ■ Equal Tee  
 24° Flareless



**D2603-REDUCER** Page 46  
 ■ Tee Reducer  
 24° Flareless



**D2605** Page 48  
 ■ Male Stud Barrel Tee  
 24° Flareless/NPT



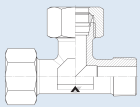
**D6600** Page 49  
 ■ Swivel Nut Branch Tee  
 Flareless Swivel/24° Flareless



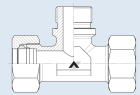
**D6602** Page 50  
 ■ Swivel Nut Barrel Tee  
 Flareless Swivel/24° Flareless



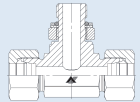
**D7601** Page 51  
 ■ Male Stud Branch Tee  
 24° Flareless /BSPT

**D7605****Page 52**

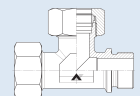
- Male Stud Barrel Tee
- 24° Flareless / BSPT

**D7803-CF****Page 53**

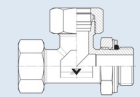
- Male Stud Branch Tee
- 24° Flareless/BSPP
- Metallic Seal

**D7803-NWO-RR****Page 54**

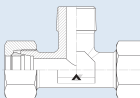
- Adjustable Tee with lock nut
- 24° Flareless/BSPP ORR

**D7804-CF****Page 55**

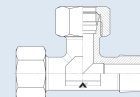
- Male Stud Barrel Tee
- 24° Flareless/BSPP
- Metallic Seal

**D7804-NWO-RR****Page 56**

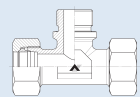
- Male Stud Barrel Tee
- 24° Flareless/BSPP ORR

**D8601****Page 57**

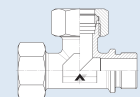
- Male Stud Branch Tee
- 24° Flareless/Metric Taper

**D8605****Page 58**

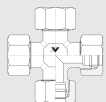
- Male Stud Barrel Tee
- 24° Flareless/Metric Taper

**D8803-CF****Page 59**

- Male Stud Branch Tee
- 24° Flareless/Metric Parallel
- Metallic Seal

**D8804-CF****Page 60**

- Male Stud Barrel Tee
- 24° Flareless/Metric Parallel
- Metallic Seal

**Crosses****D2650****Page 61**

- Equal Cross
- 24° Flareless

**Caps & Plugs****D0303****Page 62**

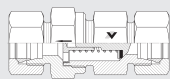
- Blanking Cap for cone
- 24° Flareless

**D0304-C****Page 62**

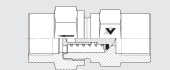
- Blanking Cap for cone
- 24° Flareless

**D2408****Page 63**

- Blanking Plug for tube ends
- 24° Flareless

**Check Valves****D2403-CV****Page 64**

- Check Valve Tube Connection
- 24° Flareless/24° Flareless

**D5002-CV****Page 65**

- Check Valve BSPP Connection
- Female BSPP/Female BSPP

**D7400-CVP-ED****Page 66**

- Check Valve Tube Connection
- 24° Flareless/BSPP
- Elastomer Seal

**D7400-CVT-ED****Page 67**

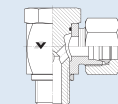
- Check Valve Tube Connection
- 24° Flareless/BSPP
- Elastomer Seal

**D8400-CVP-ED****Page 68**

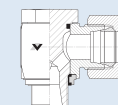
- Check Valve Tube Connection
- 24° Flareless/Metric Parallel
- Elastomer Seal

**D8400-CVT-ED****Page 69**

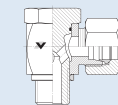
- Check Valve Tube Connection
- 24° Flareless/Metric Parallel
- Elastomer Seal

**Banjos****D7801-CF-BANJO****Page 70**

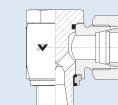
- High Pressure Banjo Elbow
- 24° Flareless/BSPP
- Metallic Seal

**D7801-ED-BANJO****Page 71**

- High Pressure Banjo Elbow
- 24° Flareless/BSPP
- Elastomer Seal

**D8801-CF-BANJO****Page 72**

- High Pressure Banjo Elbow
- 24° Flareless/Metric Parallel
- Metallic Seal

**D8801-ED-BANJO****Page 73**

- High Pressure Banjo Elbow
- 24° Flareless/Metric Parallel
- Elastomer Seal

**Seals****ED4000****Page 74**

- Elastic Soft Seal Ring
- DIN 3869

**M4000****Page 74**

- DKO O-Ring

**Nuts, Sleeves, Locknuts & Inserts****D0306-M****Page 75**

- Metric Bulkhead Lock Nut

**D0318****Page 75**

- MBT Tube Nut

**D0319****Page 76**

- MBT Tube Sleeve

**D0328****Page 76**

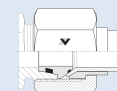
- 37° Metric Flare Nut

**D0329****Page 77**

- 37° Metric Flare Sleeve

**D0330****Page 77**

- Adaptor Ring
- 37°/24° Flareless

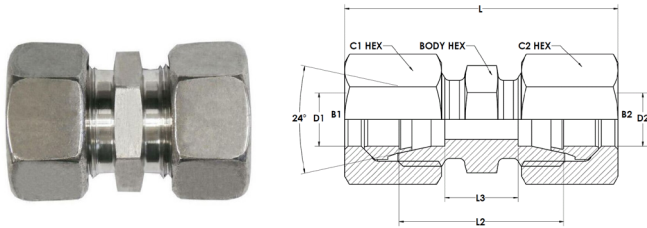
**D0333****Page 78**

- 37° Flared Tube Adapter

# STRAIGHTS

## D2403-EQUAL

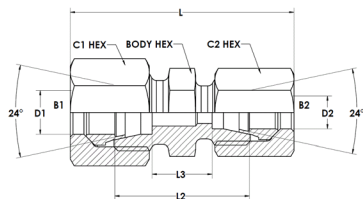
MBT-MBT STRAIGHT EQUAL UNION (GV)



|               |             | B1                          |         |    | B2                          |         |    |      |      |       |       |     |
|---------------|-------------|-----------------------------|---------|----|-----------------------------|---------|----|------|------|-------|-------|-----|
|               |             | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    |      |      |       |       |     |
|               |             | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    |      |      |       |       |     |
| Part #        | CODE        | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | L1   | L2   | BODY  | WT    | BAR |
| D2403-E04-E04 | EXTRA LIGHT | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10 | 32   | 20   | 9.0   | 0.037 | 100 |
| D2403-E06-E06 |             | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12 | 32   | 20   | 11.0  | 0.05  | 100 |
| D2403-E08-E08 |             | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14 | 35   | 23   | 12.0  | 0.067 | 100 |
| D2403-E10-E10 |             | 10                          | M14X1.0 | 17 | 10                          | M14X1.0 | 17 | 34.6 | 23   | 14.0  | 0.095 | 100 |
| D2403-E12-E12 |             | 12                          | M16X1.0 | 19 | 12                          | M16X1.0 | 19 | 38.6 | 23   | 17.0  | 0.116 | 100 |
| D2403-L06-L06 | LIGHT       | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 40   | 24   | 12.0  | 0.09  | 500 |
| D2403-L08-L08 |             | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 41   | 25   | 14.0  | 0.127 | 500 |
| D2403-L10-L10 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 43   | 27   | 17.0  | 0.162 | 500 |
| D2403-L12-L12 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 44   | 28   | 19.0  | 0.21  | 400 |
| D2403-L15-L15 |             | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 47   | 30   | 24.0  | 0.342 | 400 |
| D2403-L18-L18 |             | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 50   | 31   | 27.0  | 0.49  | 400 |
| D2403-L22-L22 |             | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 56   | 35   | 32.0  | 0.659 | 250 |
| D2403-L28-L28 |             | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 58   | 36   | 41.0  | 0.845 | 250 |
| D2403-L35-L35 |             | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 65   | 41   | 46.0  | 1.293 | 250 |
| D2403-L42-L42 |             | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 67   | 43   | 55.0  | 1.888 | 250 |
| D2403-S06-S06 | HEAVY       | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 46   | 30   | 14.0  | 0.159 | 800 |
| D2403-S08-S08 |             | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 48   | 32   | 17.0  | 0.201 | 800 |
| D2403-S10-S10 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 50   | 32   | 19.0  | 0.269 | 800 |
| D2403-S12-S12 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 52   | 34   | 22.0  | 0.327 | 630 |
| D2403-S14-S14 |             | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 58   | 38   | 24.0  | 0.458 | 630 |
| D2403-S16-S16 |             | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 58   | 38   | 27.0  | 0.551 | 630 |
| D2403-S20-S20 |             | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 68   | 44   | 32.0  | 0.089 | 420 |
| D2403-S25-S25 |             | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 76   | 50   | 41.0  | 1.647 | 420 |
| D2403-S30-S30 |             | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 82.5 | 54   | 46.0  | 1.957 | 420 |
| D2403-S38-S38 | 38          | M52X2.0                     | 60      | 38 | M52X2.0                     | 60      | 92 | 61   | 55.0 | 2.971 | 420   |     |

# D2403-REDUCER

MBT-MBT STRAIGHT REDUCER UNION (GRV)



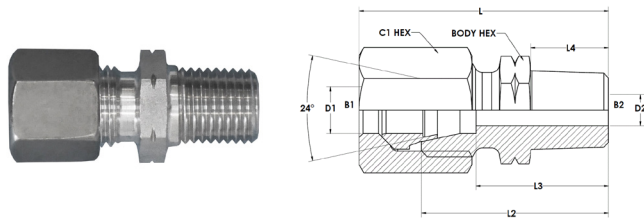
|               |             | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |      |      |      |       |       |     |  |
|---------------|-------------|-----------------------------------------------------------------|---------|----|-----------------------------------------------------------------|---------|------|------|------|-------|-------|-----|--|
| Part #        | CODE        | D1                                                              | THREAD  | C1 | D2                                                              | THREAD  | C2   | L1   | L2   | BODY  | WT    | BAR |  |
| D2403-E06-E04 | EXTRA LIGHT | 6                                                               | M10X1.0 | 12 | 4                                                               | M08X1.0 | 10   | 32   | 20   | 11.0  | 0.044 | 100 |  |
| D2403-E08-E04 |             | 8                                                               | M12X1.0 | 14 | 4                                                               | M08X1.0 | 10   | 34   | 22   | 12.0  | 0.055 | 100 |  |
| D2403-E08-E06 |             | 8                                                               | M12X1.0 | 14 | 6                                                               | M10X1.0 | 12   | 39.5 | 22   | 12.0  | 0.062 | 100 |  |
| D2403-L08-L06 |             | 8                                                               | M14X1.5 | 17 | 6                                                               | M12X1.5 | 14   | 41   | 25   | 14.0  | 0.112 | 500 |  |
| D2403-L10-L06 |             | 10                                                              | M16X1.5 | 19 | 6                                                               | M12X1.5 | 14   | 42   | 26   | 17.0  | 0.132 | 500 |  |
| D2403-L10-L08 |             | 10                                                              | M16X1.5 | 19 | 8                                                               | M14X1.5 | 17   | 42   | 26   | 17.0  | 0.148 | 500 |  |
| D2403-L12-L06 |             | 12                                                              | M18X1.5 | 22 | 6                                                               | M12X1.5 | 14   | 43   | 27   | 19.0  | 0.161 | 400 |  |
| D2403-L12-L08 |             | 12                                                              | M18X1.5 | 22 | 8                                                               | M14X1.5 | 17   | 43   | 27   | 19.0  | 0.176 | 400 |  |
| D2403-L12-L10 | LIGHT       | 12                                                              | M18X1.5 | 22 | 10                                                              | M16X1.5 | 19   | 44   | 28   | 19.0  | 0.192 | 400 |  |
| D2403-L15-L06 |             | 15                                                              | M22X1.5 | 27 | 6                                                               | M12X1.5 | 14   | 45.5 | 29   | 24.0  | 0.249 | 400 |  |
| D2403-L15-L08 |             | 15                                                              | M22X1.5 | 27 | 8                                                               | M14X1.5 | 17   | 45.5 | 29   | 24.0  | 0.264 | 400 |  |
| D2403-L15-L10 |             | 15                                                              | M22X1.5 | 27 | 10                                                              | M16X1.5 | 19   | 45.5 | 29   | 24.0  | 0.269 | 400 |  |
| D2403-L15-L12 |             | 15                                                              | M22X1.5 | 27 | 12                                                              | M18X1.5 | 22   | 45.5 | 29   | 24.0  | 0.284 | 400 |  |
| D2403-L18-L08 |             | 18                                                              | M26X1.5 | 32 | 8                                                               | M14X1.5 | 17   | 47.5 | 30   | 27.0  | 0.357 | 400 |  |
| D2403-L18-L10 |             | 18                                                              | M26X1.5 | 32 | 10                                                              | M16X1.5 | 19   | 47.5 | 30   | 27.0  | 0.361 | 400 |  |
| D2403-L18-L12 |             | 18                                                              | M26X1.5 | 32 | 12                                                              | M18X1.5 | 22   | 47.5 | 30   | 27.0  | 0.379 | 400 |  |
| D2403-L18-L15 |             | 18                                                              | M26X1.5 | 32 | 15                                                              | M22X1.5 | 27   | 49   | 31   | 27.0  | 0.427 | 400 |  |
| D2403-L22-L10 |             | 22                                                              | M30X2.0 | 36 | 10                                                              | M16X1.5 | 19   | 50.5 | 32   | 32.0  | 0.463 | 250 |  |
| D2403-L22-L12 |             | 22                                                              | M30X2.0 | 36 | 12                                                              | M18X1.5 | 22   | 50.5 | 32   | 32.0  | 0.48  | 250 |  |
| D2403-L22-L15 |             | 22                                                              | M30X2.0 | 36 | 15                                                              | M22X1.5 | 27   | 52   | 33   | 32.0  | 0.535 | 250 |  |
| D2403-L22-L18 |             | 22                                                              | M30X2.0 | 36 | 18                                                              | M26X1.5 | 32   | 53   | 33   | 32.0  | 0.595 | 250 |  |
| D2403-L28-L12 |             | 28                                                              | M36X2.0 | 41 | 12                                                              | M18X1.5 | 22   | 52.5 | 33.5 | 41.0  | 0.637 | 250 |  |
| D2403-L28-L15 |             | 28                                                              | M36X2.0 | 41 | 15                                                              | M22X1.5 | 27   | 53.5 | 34   | 41.0  | 0.681 | 250 |  |
| D2403-L28-L18 |             | 28                                                              | M36X2.0 | 41 | 18                                                              | M26X1.5 | 32   | 54.5 | 34   | 41.0  | 0.742 | 250 |  |
| D2403-L28-L22 | 28          | M36X2.0                                                         | 41      | 22 | M30X2.0                                                         | 36      | 57.5 | 36   | 41.0 | 0.795 | 250   |     |  |
| D2403-L35-L22 | 35          | M45X2.0                                                         | 50      | 22 | M30X2.0                                                         | 36      | 61.5 | 39   | 46.0 | 1.084 | 250   |     |  |
| D2403-L35-L28 | 35          | M45X2.0                                                         | 50      | 28 | M36X2.0                                                         | 41      | 62   | 39   | 46.0 | 1.104 | 250   |     |  |
| D2403-L42-L22 | 42          | M52X2.0                                                         | 60      | 22 | M30X2.0                                                         | 36      | 62   | 39.5 | 55.0 | 1.441 | 250   |     |  |
| D2403-L42-L28 | 42          | M52X2.0                                                         | 60      | 28 | M36X2.0                                                         | 41      | 62.5 | 39.5 | 55.0 | 1.485 | 250   |     |  |
| D2403-L42-L35 | 42          | M52X2.0                                                         | 60      | 35 | M45X2.0                                                         | 50      | 67   | 43   | 55.0 | 1.711 | 250   |     |  |

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|               |       | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    |      |      |      |       |     |  |  |
|---------------|-------|-----------------------------------------------------------------|---------|----|-----------------------------------------------------------------|---------|----|------|------|------|-------|-----|--|--|
| Part #        | CODE  | D1                                                              | THREAD  | C1 | D2                                                              | THREAD  | C2 | L1   | L2   | BODY | WT    | BAR |  |  |
| D2403-S08-S06 | HEAVY | 8                                                               | M16X1.5 | 19 | 6                                                               | M14X1.5 | 17 | 48   | 32   | 17.0 | 0.189 | 800 |  |  |
| D2403-S10-S06 |       | 10                                                              | M18X1.5 | 22 | 6                                                               | M14X1.5 | 17 | 49   | 32   | 19.0 | 0.229 | 800 |  |  |
| D2403-S10-S08 |       | 10                                                              | M18X1.5 | 22 | 8                                                               | M16X1.5 | 19 | 49   | 32   | 19.0 | 0.24  | 800 |  |  |
| D2403-S12-S06 |       | 12                                                              | M20X1.5 | 24 | 6                                                               | M14X1.5 | 17 | 51   | 34   | 22.0 | 0.273 | 630 |  |  |
| D2403-S12-S08 |       | 12                                                              | M20X1.5 | 24 | 8                                                               | M16X1.5 | 19 | 51   | 34   | 22.0 | 0.286 | 630 |  |  |
| D2403-S12-S10 |       | 12                                                              | M20X1.5 | 24 | 10                                                              | M18X1.5 | 22 | 52   | 34   | 22.0 | 0.315 | 630 |  |  |
| D2403-S14-S10 |       | 14                                                              | M22X1.5 | 27 | 10                                                              | M18X1.5 | 22 | 55   | 36   | 24.0 | 0.388 | 630 |  |  |
| D2403-S14-S12 |       | 14                                                              | M22X1.5 | 27 | 12                                                              | M20X1.5 | 24 | 55   | 36   | 24.0 | 0.401 | 630 |  |  |
| D2403-S16-S08 |       | 16                                                              | M24X1.5 | 30 | 8                                                               | M16X1.5 | 19 | 53.5 | 35.5 | 27.0 | 0.414 | 630 |  |  |
| D2403-S16-S10 |       | 16                                                              | M24X1.5 | 30 | 10                                                              | M18X1.5 | 22 | 55   | 36   | 27.0 | 0.447 | 630 |  |  |
| D2403-S16-S12 |       | 16                                                              | M24X1.5 | 30 | 12                                                              | M20X1.5 | 24 | 55   | 36   | 27.0 | 0.458 | 630 |  |  |
| D2403-S16-S14 |       | 16                                                              | M24X1.5 | 30 | 14                                                              | M22X1.5 | 27 | 58   | 38   | 27.0 | 0.518 | 630 |  |  |
| D2403-S20-S10 |       | 20                                                              | M30X2.0 | 36 | 10                                                              | M18X1.5 | 22 | 61   | 40   | 32.0 | 0.663 | 420 |  |  |
| D2403-S20-S12 |       | 20                                                              | M30X2.0 | 36 | 12                                                              | M20X1.5 | 24 | 61   | 40   | 32.0 | 0.676 | 420 |  |  |
| D2403-S20-S14 |       | 20                                                              | M30X2.0 | 36 | 14                                                              | M22X1.5 | 27 | 62   | 40   | 32.0 | 0.705 | 420 |  |  |
| D2403-S20-S16 |       | 20                                                              | M30X2.0 | 36 | 16                                                              | M24X1.5 | 30 | 64   | 42   | 32.0 | 0.758 | 420 |  |  |
| D2403-S25-S12 |       | 25                                                              | M36X2.0 | 46 | 12                                                              | M20X1.5 | 24 | 67   | 45   | 41.0 | 1.176 | 420 |  |  |
| D2403-S25-S14 |       | 25                                                              | M36X2.0 | 46 | 14                                                              | M22X1.5 | 27 | 68.5 | 45.5 | 41.0 | 1.196 | 420 |  |  |
| D2403-S25-S16 |       | 25                                                              | M36X2.0 | 46 | 16                                                              | M24X1.5 | 30 | 69   | 46   | 41.0 | 1.225 | 420 |  |  |
| D2403-S25-S20 |       | 25                                                              | M36X2.0 | 46 | 20                                                              | M30X2.0 | 36 | 73   | 48   | 41.0 | 1.361 | 420 |  |  |
| D2403-S30-S10 |       | 30                                                              | M42X2.0 | 50 | 10                                                              | M18X1.5 | 22 | 69   | 46   | 46.0 | 1.352 | 420 |  |  |
| D2403-S30-S16 |       | 30                                                              | M42X2.0 | 50 | 16                                                              | M24X1.5 | 30 | 72.5 | 48   | 46.0 | 1.454 | 420 |  |  |
| D2403-S30-S20 |       | 30                                                              | M42X2.0 | 50 | 20                                                              | M30X2.0 | 36 | 76   | 50   | 46.0 | 1.562 | 420 |  |  |
| D2403-S30-S25 |       | 30                                                              | M42X2.0 | 50 | 25                                                              | M36X2.0 | 46 | 79   | 52   | 46.0 | 1.866 | 420 |  |  |
| D2403-S38-S16 |       | 38                                                              | M52X2.0 | 60 | 16                                                              | M24X1.5 | 30 | 78.5 | 53   | 55.0 | 2.112 | 420 |  |  |
| D2403-S38-S20 |       | 38                                                              | M52X2.0 | 60 | 20                                                              | M30X2.0 | 36 | 82.5 | 55   | 55.0 | 2.242 | 420 |  |  |
| D2403-S38-S25 |       | 38                                                              | M52X2.0 | 60 | 25                                                              | M36X2.0 | 46 | 85.5 | 57   | 55.0 | 2.535 | 420 |  |  |
| D2403-S38-S30 |       | 38                                                              | M52X2.0 | 60 | 30                                                              | M42X2.0 | 50 | 88.5 | 59   | 55.0 | 2.656 | 420 |  |  |

# D2404

MBT-MP STRAIGHT (GEV - NPT)



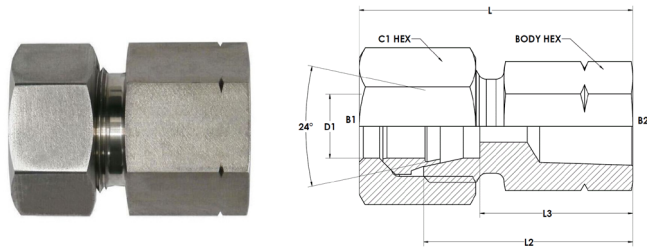
| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE NPT<br>ASME/ANSI<br>B1.20.1 |        |  | L1   | L2 | BODY | WT    | BAR |
|--------------|-------------|-----------------------------------------------------------------|---------|----|----------------------------------------|--------|--|------|----|------|-------|-----|
|              |             | D1                                                              | THREAD  | C1 | D2                                     | THREAD |  |      |    |      |       |     |
| D2404-E04-02 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 3                                      | 1/8-27 |  | 28   | 22 | 11.0 | 0.035 | 100 |
| D2404-E06-02 |             | 6                                                               | M10X1.0 | 12 | 4                                      | 1/8-27 |  | 28   | 22 | 11.0 | 0.039 | 100 |
| D2404-E08-02 |             | 8                                                               | M12X1.0 | 14 | 4                                      | 1/8-27 |  | 30   | 24 | 12.0 | 0.05  | 100 |
| D2404-L06-02 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 1/8-27 |  | 32   | 24 | 12.0 | 0.06  | 315 |
| D2404-L06-04 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 1/4-18 |  | 38   | 30 | 17.0 | 0.094 | 315 |
| D2404-L06-06 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 3/8-18 |  | 39   | 31 | 19.0 | 0.127 | 315 |
| D2404-L06-08 | LIGHT       | 6                                                               | M12X1.5 | 14 | 4                                      | 1/2-14 |  | 44   | 36 | 24.0 | 0.21  | 315 |
| D2404-L08-02 |             | 8                                                               | M14X1.5 | 17 | 4                                      | 1/8-27 |  | 33   | 25 | 14.0 | 0.082 | 315 |
| D2404-L08-04 |             | 8                                                               | M14X1.5 | 17 | 6                                      | 1/4-18 |  | 38   | 30 | 17.0 | 0.105 | 315 |
| D2404-L08-06 |             | 8                                                               | M14X1.5 | 17 | 6                                      | 3/8-18 |  | 38   | 30 | 19.0 | 0.132 | 315 |
| D2404-L08-08 |             | 8                                                               | M14X1.5 | 17 | 6                                      | 1/2-14 |  | 44   | 36 | 24.0 | 0.219 | 315 |
| D2404-L10-02 |             | 10                                                              | M16X1.5 | 19 | 4.5                                    | 1/8-27 |  | 34   | 26 | 17.0 | 0.102 | 315 |
| D2404-L10-04 |             | 10                                                              | M16X1.5 | 19 | 7                                      | 1/4-18 |  | 39   | 31 | 17.0 | 0.116 | 315 |
| D2404-L10-06 |             | 10                                                              | M16X1.5 | 19 | 8                                      | 3/8-18 |  | 40   | 32 | 19.0 | 0.144 | 315 |
| D2404-L10-08 |             | 10                                                              | M16X1.5 | 19 | 7                                      | 1/2-14 |  | 45   | 37 | 22.0 | 0.222 | 315 |
| D2404-L10-12 |             | 10                                                              | M16X1.5 | 19 | 8                                      | 3/4-14 |  | 46   | 38 | 27.0 | 0.305 | 315 |
| D2404-L12-02 |             | 12                                                              | M18X1.5 | 22 | 4                                      | 1/8-27 |  | 35   | 27 | 19.0 | 0.134 | 315 |
| D2404-L12-04 |             | 12                                                              | M18X1.5 | 22 | 7                                      | 1/4-18 |  | 40   | 32 | 19.0 | 0.146 | 315 |
| D2404-L12-06 |             | 12                                                              | M18X1.5 | 22 | 9                                      | 3/8-18 |  | 40   | 32 | 19.0 | 0.159 | 315 |
| D2404-L12-08 |             | 12                                                              | M18X1.5 | 22 | 10                                     | 1/2-14 |  | 45   | 37 | 22.0 | 0.223 | 315 |
| D2404-L12-12 |             | 12                                                              | M18X1.5 | 22 | 10                                     | 3/4-14 |  | 46   | 38 | 27.0 | 0.299 | 315 |
| D2404-L15-04 |             | 15                                                              | M22X1.5 | 27 | 7                                      | 1/4-18 |  | 41.5 | 33 | 24.0 | 0.221 | 315 |
| D2404-L15-06 |             | 15                                                              | M22X1.5 | 27 | 9                                      | 3/8-18 |  | 41.5 | 33 | 24.0 | 0.235 | 315 |
| D2404-L15-08 |             | 15                                                              | M22X1.5 | 27 | 11                                     | 1/2-14 |  | 46.5 | 38 | 24.0 | 0.282 | 315 |
| D2404-L15-12 |             | 15                                                              | M22X1.5 | 27 | 12                                     | 3/4-14 |  | 48.5 | 40 | 27.0 | 0.35  | 315 |
| D2404-L18-06 |             | 18                                                              | M26X1.5 | 32 | 9                                      | 3/8-18 |  | 43.5 | 34 | 27.0 | 0.323 | 315 |
| D2404-L18-08 |             | 18                                                              | M26X1.5 | 32 | 14                                     | 1/2-14 |  | 48.5 | 39 | 27.0 | 0.343 | 315 |
| D2404-L18-12 |             | 18                                                              | M26X1.5 | 32 | 15                                     | 3/4-14 |  | 48.5 | 39 | 30.0 | 0.422 | 315 |
| D2404-L18-16 |             | 18                                                              | M26X1.5 | 32 | 15                                     | 1-11/2 |  | 53.5 | 44 | 36.0 | 0.639 | 315 |
| D2404-L22-06 |             | 22                                                              | M30X2.0 | 36 | 9                                      | 3/8-18 |  | 46.5 | 36 | 32.0 | 0.424 | 160 |
| D2404-L22-08 |             | 22                                                              | M30X2.0 | 36 | 14                                     | 1/2-14 |  | 51.5 | 41 | 32.0 | 0.449 | 160 |
| D2404-L22-12 |             | 22                                                              | M30X2.0 | 36 | 18                                     | 3/4-14 |  | 51.5 | 41 | 32.0 | 0.474 | 160 |
| D2404-L22-16 |             | 22                                                              | M30X2.0 | 36 | 19                                     | 1-11/2 |  | 57.5 | 47 | 36.0 | 0.669 | 160 |

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| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE NPT<br>ASME/ANSI<br>B1.20.1 |              |  | L1   | L2   | BODY | WT    | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|----------------------------------------|--------------|--|------|------|------|-------|-----|
|              |       | D1                                                              | THREAD  | C1 | D2                                     | THREAD       |  |      |      |      |       |     |
| D2404-L22-20 | LIGHT | 22                                                              | M30X2.0 | 36 | 30                                     | 1-1/4-11-1/2 |  | 64.5 | 54   | 46.0 | 0.942 | 160 |
| D2404-L28-12 |       | 28                                                              | M36X2.0 | 41 | 18                                     | 3/4-14       |  | 53   | 42   | 41.0 | 0.621 | 160 |
| D2404-L28-16 |       | 28                                                              | M36X2.0 | 41 | 23                                     | 1-11-1/2     |  | 58   | 47   | 41.0 | 0.698 | 160 |
| D2404-L28-20 |       | 28                                                              | M36X2.0 | 41 | 24                                     | 1-1/4-11-1/2 |  | 60   | 49   | 46.0 | 0.996 | 160 |
| D2404-L35-16 |       | 35                                                              | M45X2.0 | 50 | 23                                     | 1-11-1/2     |  | 62   | 50   | 46.0 | 0.977 | 160 |
| D2404-L35-20 |       | 35                                                              | M45X2.0 | 50 | 30                                     | 1-1/4-11-1/2 |  | 63   | 51   | 46.0 | 1.045 | 160 |
| D2404-L42-20 |       | 42                                                              | M52X2.0 | 60 | 30                                     | 1-1/4-11-1/2 |  | 65   | 53   | 55.0 | 1.463 | 160 |
| D2404-L42-24 |       | 42                                                              | M52X2.0 | 60 | 36                                     | 1-1/2-11-1/2 |  | 65   | 53   | 55.0 | 1.405 | 160 |
| D2404-S06-02 | HEAVY | 6                                                               | M14X1.5 | 17 | 4                                      | 1/8-27       |  | 36   | 28   | 14.0 | 0.099 | 630 |
| D2404-S06-04 |       | 6                                                               | M14X1.5 | 17 | 4                                      | 1/4-18       |  | 43   | 35   | 17.0 | 0.137 | 630 |
| D2404-S06-06 |       | 6                                                               | M14X1.5 | 17 | 4                                      | 3/8-18       |  | 43   | 35   | 19.0 | 0.167 | 630 |
| D2404-S06-08 |       | 6                                                               | M14X1.5 | 17 | 4                                      | 1/2-14       |  | 48   | 40   | 22.0 | 0.246 | 630 |
| D2404-S08-02 |       | 8                                                               | M16X1.5 | 19 | 4                                      | 1/8-27       |  | 37.5 | 29.5 | 17.0 | 0.126 | 630 |
| D2404-S08-06 |       | 8                                                               | M16X1.5 | 19 | 5                                      | 3/8-18       |  | 44   | 36   | 19.0 | 0.183 | 630 |
| D2404-S08-08 |       | 8                                                               | M16X1.5 | 19 | 5                                      | 1/2-14       |  | 48   | 40   | 22.0 | 0.256 | 630 |
| D2404-S10-02 |       | 10                                                              | M18X1.5 | 22 | 4                                      | 1/8-27       |  | 39   | 30   | 19.0 | 0.168 | 630 |
| D2404-S10-04 |       | 10                                                              | M18X1.5 | 22 | 5                                      | 1/4-18       |  | 44   | 35   | 19.0 | 0.186 | 630 |
| D2404-S10-06 |       | 10                                                              | M18X1.5 | 22 | 7                                      | 3/8-18       |  | 44   | 35   | 19.0 | 0.201 | 630 |
| D2404-S10-08 |       | 10                                                              | M18X1.5 | 22 | 7                                      | 1/2-14       |  | 51   | 42   | 22.0 | 0.291 | 630 |
| D2404-S12-04 |       | 12                                                              | M20X1.5 | 24 | 5                                      | 1/4-18       |  | 46   | 37   | 22.0 | 0.23  | 630 |
| D2404-S12-06 |       | 12                                                              | M20X1.5 | 24 | 8                                      | 3/8-18       |  | 46   | 37   | 22.0 | 0.239 | 630 |
| D2404-S12-08 |       | 12                                                              | M20X1.5 | 24 | 8                                      | 1/2-14       |  | 51   | 42   | 22.0 | 0.3   | 630 |
| D2404-S12-12 |       | 12                                                              | M20X1.5 | 24 | 16                                     | 3/4-14       |  | 51   | 42   | 30.0 | 0.337 | 400 |
| D2404-S14-06 |       | 14                                                              | M22X1.5 | 27 | 8                                      | 3/8-18       |  | 49   | 39   | 24.0 | 0.313 | 630 |
| D2404-S14-08 |       | 14                                                              | M22X1.5 | 27 | 10                                     | 1/2-14       |  | 54   | 44   | 24.0 | 0.36  | 630 |
| D2404-S16-06 |       | 16                                                              | M24X1.5 | 30 | 8                                      | 3/8-18       |  | 49   | 39   | 27.0 | 0.372 | 400 |
| D2404-S16-08 |       | 16                                                              | M24X1.5 | 30 | 12                                     | 1/2-14       |  | 54   | 44   | 27.0 | 0.403 | 400 |
| D2404-S16-12 |       | 16                                                              | M24X1.5 | 30 | 12                                     | 3/4-14       |  | 55   | 45   | 30.0 | 0.484 | 400 |
| D2404-S20-08 |       | 20                                                              | M30X2.0 | 36 | 12                                     | 1/2-14       |  | 60   | 48   | 32.0 | 0.617 | 400 |
| D2404-S20-12 |       | 20                                                              | M30X2.0 | 36 | 16                                     | 3/4-14       |  | 60   | 48   | 32.0 | 0.64  | 400 |
| D2404-S20-16 |       | 20                                                              | M30X2.0 | 36 | 16                                     | 1-11-1/2     |  | 65   | 53   | 36.0 | 0.862 | 400 |
| D2404-S25-08 |       | 25                                                              | M36X2.0 | 46 | 12                                     | 1/2-14       |  | 65   | 52   | 41.0 | 1.091 | 400 |
| D2404-S25-12 |       | 25                                                              | M36X2.0 | 46 | 16                                     | 3/4-14       |  | 65   | 52   | 41.0 | 1.113 | 400 |
| D2404-S25-16 |       | 25                                                              | M36X2.0 | 46 | 20                                     | 1-11-1/2     |  | 70   | 57   | 41.0 | 1.209 | 400 |
| D2404-S25-20 |       | 25                                                              | M36X2.0 | 46 | 20                                     | 1-1/4-11-1/2 |  | 71   | 58   | 46.0 | 1.546 | 400 |
| D2404-S30-12 |       | 30                                                              | M42X2.0 | 50 | 16                                     | 3/4-14       |  | 68.2 | 54   | 46.0 | 1.331 | 400 |
| D2404-S30-16 |       | 30                                                              | M42X2.0 | 50 | 20                                     | 1-11-1/2     |  | 73.2 | 59   | 46.0 | 1.429 | 400 |
| D2404-S30-20 |       | 30                                                              | M42X2.0 | 50 | 25                                     | 1-1/4-11-1/2 |  | 74.2 | 60   | 46.0 | 1.552 | 400 |
| D2404-S30-24 |       | 30                                                              | M42X2.0 | 50 | 25                                     | 1-1/2-11-1/2 |  | 74.2 | 60   | 50.0 | 1.824 | 315 |
| D2404-S38-16 |       | 38                                                              | M52X2.0 | 60 | 20                                     | 1-11-1/2     |  | 79.5 | 64   | 55.0 | 2.133 | 315 |
| D2404-S38-20 |       | 38                                                              | M52X2.0 | 60 | 25                                     | 1-1/4-11-1/2 |  | 80.5 | 65   | 55.0 | 2.253 | 315 |
| D2404-S38-24 |       | 38                                                              | M52X2.0 | 60 | 32                                     | 1-1/2-11-1/2 |  | 80.5 | 65   | 55.0 | 2.211 | 315 |

# D2405

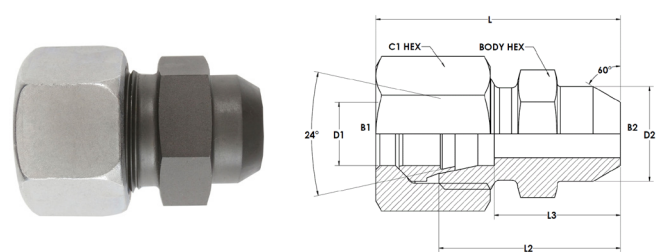
MBT-FP STRAIGHT (GAIV - NPT)



| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>FEMALE NPT<br>ASME/ANSI B1.20.1 |    |    | BODY | WT    | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|---------------------------------------|----|----|------|-------|-----|
|              |       | D1                                                              | THREAD  | C1 | THREAD                                | L1 | L2 |      |       |     |
| D2405-L10-04 | L     | 10                                                              | M16X1.5 | 19 | 1/4-18                                | 39 | 31 | 19.0 | 0.149 | 315 |
| D2405-S12-06 |       | 12                                                              | M20X1.5 | 24 | 3/8-18                                | 44 | 35 | 24.0 | 0.258 | 630 |
| D2405-S16-08 | HEAVY | 16                                                              | M24X1.5 | 30 | 1/2-14                                | 53 | 43 | 27.0 | 0.38  | 400 |
| D2405-S20-08 |       | 20                                                              | M30X2.0 | 36 | 1/2-14                                | 58 | 46 | 32.0 | 0.669 | 400 |
| D2405-S20-12 |       | 20                                                              | M30X2.0 | 36 | 3/4-14                                | 58 | 46 | 36.0 | 0.72  | 400 |

# D2425

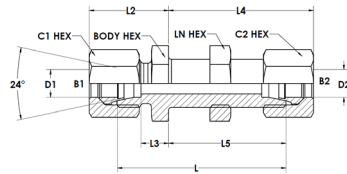
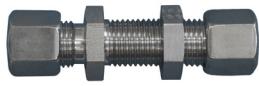
MBT-BUTTWELD ST (GASV)



| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>BUTTWELD |      |    | BODY | WT     | BAR |
|--------------|-------|--------------------------------------------------------------|---------|----|----------------|------|----|------|--------|-----|
|              |       | D1                                                           | THREAD  | C1 | D2             | L1   | L2 |      |        |     |
| D2425-L06-06 | LIGHT | 6                                                            | M12X1.5 | 14 | 10             | 29   | 21 | 12   | 0.0544 | 500 |
| D2425-L08-08 |       | 8                                                            | M14X1.5 | 17 | 12             | 31   | 23 | 14   | 0.078  | 500 |
| D2425-L10-10 |       | 10                                                           | M16X1.5 | 19 | 14             | 33   | 25 | 17   | 0.1034 | 500 |
| D2425-L12-12 |       | 12                                                           | M18X1.5 | 22 | 16             | 33   | 25 | 19   | 0.1291 | 400 |
| D2425-L15-15 |       | 15                                                           | M22X1.5 | 27 | 19             | 37.5 | 29 | 22   | 0.2107 | 400 |
| D2425-L18-18 |       | 18                                                           | M26X1.5 | 32 | 22             | 40.5 | 31 | 27   | 0.3141 | 400 |
| D2425-L22-22 |       | 22                                                           | M30X2.0 | 36 | 27             | 46.5 | 36 | 32   | 0.4426 | 250 |
| D2425-L28-28 |       | 28                                                           | M36X2.0 | 41 | 32             | 49   | 38 | 41   | 0.6189 | 250 |
| D2425-L35-35 |       | 35                                                           | M45X2.0 | 50 | 40             | 55   | 43 | 46   | 0.9196 | 250 |
| D2425-L42-42 |       | 42                                                           | M52X2.0 | 60 | 46             | 58   | 46 | 55   | 1.3279 | 250 |
| D2425-S06-06 | HEAVY | 6                                                            | M14X1.5 | 17 | 11             | 34   | 26 | 14   | 0.096  | 800 |
| D2425-S08-08 |       | 8                                                            | M16X1.5 | 19 | 13             | 36   | 28 | 17   | 0.1276 | 800 |
| D2425-S10-10 |       | 10                                                           | M18X1.5 | 22 | 15             | 39   | 30 | 19   | 0.1753 | 800 |
| D2425-S12-12 |       | 12                                                           | M20X1.5 | 24 | 17             | 41   | 32 | 22   | 0.2182 | 630 |
| D2425-S14-14 |       | 14                                                           | M22X1.5 | 27 | 19             | 45   | 35 | 24   | 0.2981 | 630 |
| D2425-S16-16 |       | 16                                                           | M24X1.5 | 30 | 21             | 45   | 35 | 27   | 0.3578 | 630 |
| D2425-S20-20 |       | 20                                                           | M30X2.0 | 36 | 26             | 52   | 40 | 32   | 0.5647 | 420 |
| D2425-S25-25 |       | 25                                                           | M36X2.0 | 46 | 31             | 57   | 44 | 41   | 1.0178 | 420 |
| D2425-S30-30 |       | 30                                                           | M42X2.0 | 50 | 36             | 63   | 49 | 46   | 1.2492 | 420 |
| D2425-S38-38 |       | 38                                                           | M52X2.0 | 60 | 44             | 69.5 | 54 | 55   | 1.855  | 420 |

# D2700-LN

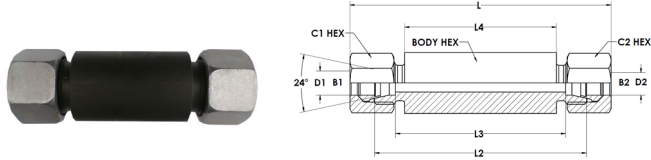
MBT-MBT BULKHEAD STRAIGHT WITH LOCK NUT (GSV)



|                  |       | B1                          |         |    | B2                             |         |    |      |         |    |      |      |       |     |
|------------------|-------|-----------------------------|---------|----|--------------------------------|---------|----|------|---------|----|------|------|-------|-----|
|                  |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION BH |         |    |      |         |    |      |      |       |     |
|                  |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1           |         |    |      |         |    |      |      |       |     |
| Part #           | CODE  | D1                          | THREAD  | C1 | D2                             | THREAD  | C2 | LN   | LOCKNUT | L1 | L2   | BODY | WT    | BAR |
| D2700-LN-L06-L06 | LIGHT | 6                           | M12X1.5 | 14 | 6                              | M12X1.5 | 14 | 17.0 | M12X1.5 | 48 | 22   | 17.0 | 0.16  | 500 |
| D2700-LN-L08-L08 |       | 8                           | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 19.0 | M14X1.5 | 49 | 23   | 19.0 | 0.215 | 500 |
| D2700-LN-L10-L10 |       | 10                          | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 22.0 | M16X1.5 | 52 | 25   | 22.0 | 0.276 | 500 |
| D2700-LN-L12-L12 |       | 12                          | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 24.0 | M18X1.5 | 53 | 25   | 24.0 | 0.34  | 400 |
| D2700-LN-L15-L15 |       | 15                          | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 30.0 | M22X1.5 | 57 | 27.5 | 27.0 | 0.546 | 400 |
| D2700-LN-L18-L18 |       | 18                          | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 36.0 | M26X1.5 | 61 | 30.5 | 32.0 | 0.816 | 400 |
| D2700-LN-L22-L22 |       | 22                          | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 41.0 | M30X2.0 | 66 | 34.5 | 36.0 | 1.066 | 250 |
| D2700-LN-L28-L28 |       | 28                          | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 46.0 | M36X2.0 | 69 | 37   | 41.0 | 1.357 | 250 |
| D2700-LN-L35-L35 |       | 35                          | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 55.0 | M45X2.0 | 76 | 41   | 50.0 | 2.123 | 250 |
| D2700-LN-L42-L42 |       | 42                          | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 65.0 | M52X2.0 | 77 | 42   | 60.0 | 3.003 | 250 |
| D2700-LN-S06-S06 | HEAVY | 6                           | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 19.0 | M14X1.5 | 55 | 27   | 19.0 | 0.261 | 800 |
| D2700-LN-S08-S08 |       | 8                           | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 22.0 | M16X1.5 | 56 | 28   | 22.0 | 0.33  | 800 |
| D2700-LN-S10-S10 |       | 10                          | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 24.0 | M18X1.5 | 59 | 31   | 24.0 | 0.439 | 800 |
| D2700-LN-S12-S12 |       | 12                          | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 27.0 | M20X1.5 | 60 | 31   | 27.0 | 0.526 | 630 |
| D2700-LN-S14-S14 |       | 14                          | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 30.0 | M22X1.5 | 65 | 35   | 30.0 | 0.716 | 630 |
| D2700-LN-S16-S16 |       | 16                          | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 32.0 | M24X1.5 | 65 | 35   | 32.0 | 0.829 | 630 |
| D2700-LN-S20-S20 |       | 20                          | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 41.0 | M30X2.0 | 72 | 40   | 41.0 | 1.384 | 420 |
| D2700-LN-S25-S25 |       | 25                          | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 46.0 | M36X2.0 | 79 | 45   | 46.0 | 2.251 | 420 |
| D2700-LN-S30-S30 |       | 30                          | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 50.0 | M42X2.0 | 86 | 49   | 50.0 | 2.707 | 420 |
| D2700-LN-S38-S38 |       | 38                          | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 65.0 | M52X2.0 | 91 | 53.5 | 65.0 | 4.255 | 420 |

# D2700-WC

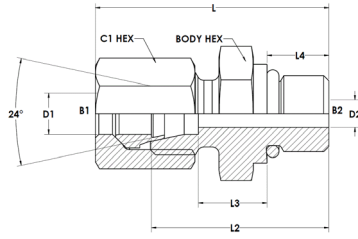
MBT-MBT WELD BULKHEAD STRAIGHT (ESV)



|                  |       | B1                          |         |    | B2                             |         |    |     |     |      |       |     |
|------------------|-------|-----------------------------|---------|----|--------------------------------|---------|----|-----|-----|------|-------|-----|
|                  |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION BH |         |    |     |     |      |       |     |
|                  |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1           |         |    |     |     |      |       |     |
| Part #           | CODE  | D1                          | THREAD  | C1 | D2                             | THREAD  | C2 | L1  | L2  | BODY | WT    | BAR |
| D2700-WC-L06-L06 | LIGHT | 6                           | M12X1.5 | 14 | 6                              | M12X1.5 | 14 | 86  | 70  | 18.0 | 0.295 | 500 |
| D2700-WC-L08-L08 |       | 8                           | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 86  | 70  | 20.0 | 0.366 | 500 |
| D2700-WC-L10-L10 |       | 10                          | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 88  | 72  | 22.0 | 0.435 | 500 |
| D2700-WC-L12-L12 |       | 12                          | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 88  | 72  | 25.0 | 0.549 | 400 |
| D2700-WC-L15-L15 |       | 15                          | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 101 | 84  | 28.0 | 0.833 | 400 |
| D2700-WC-L18-L18 |       | 18                          | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 103 | 84  | 32.0 | 1.097 | 400 |
| D2700-WC-L22-L22 |       | 22                          | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 109 | 88  | 36.0 | 1.362 | 250 |
| D2700-WC-L28-L28 |       | 28                          | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 110 | 88  | 40.0 | 1.554 | 250 |
| D2700-WC-L35-L35 |       | 35                          | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 116 | 92  | 50.0 | 2.444 | 250 |
| D2700-WC-L42-L42 |       | 42                          | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 116 | 92  | 60.0 | 3.492 | 250 |
| D2700-WC-S06-S06 | HEAVY | 6                           | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 90  | 74  | 20.0 | 0.408 | 800 |
| D2700-WC-S08-S08 |       | 8                           | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 90  | 74  | 22.0 | 0.486 | 800 |
| D2700-WC-S10-S10 |       | 10                          | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 92  | 74  | 25.0 | 0.629 | 800 |
| D2700-WC-S12-S12 |       | 12                          | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 92  | 74  | 28.0 | 0.761 | 630 |
| D2700-WC-S14-S14 |       | 14                          | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 108 | 88  | 30.0 | 1.048 | 630 |
| D2700-WC-S16-S16 |       | 16                          | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 108 | 88  | 35.0 | 1.357 | 630 |
| D2700-WC-S20-S20 |       | 20                          | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 116 | 92  | 38.0 | 1.732 | 420 |
| D2700-WC-S25-S25 |       | 25                          | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 122 | 96  | 45.0 | 2.714 | 420 |
| D2700-WC-S30-S30 |       | 30                          | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 128 | 100 | 50.0 | 3.183 | 420 |
| D2700-WC-S38-S38 |       | 38                          | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 135 | 104 | 60.0 | 4.566 | 420 |

# D6400-0

MBT-MORB STRAIGHT (GEV - UNO)



| Part #         | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE SAE O-RING<br>BOSS<br>ISO 11926, ASME/ANSI<br>B 1.20.1 |              |      | L1   | L2 | BODY   | WT  | BAR |
|----------------|-------|-----------------------------------------------------------------|---------|----|-------------------------------------------------------------------|--------------|------|------|----|--------|-----|-----|
|                |       | D1                                                              | THREAD  | C1 | D2                                                                | THREAD       | C2   |      |    |        |     |     |
| D6400-L06-04-0 | LIGHT | 6                                                               | M12X1.5 | 14 | 4                                                                 | 7/16-20 UNF  | 34   | 26   | 17 | 0.0772 | 400 |     |
| D6400-L06-06-0 |       | 6                                                               | M12X1.5 | 14 | 4                                                                 | 9/16-18 UNF  | 35   | 27   | 19 | 0.0904 | 400 |     |
| D6400-L08-04-0 |       | 8                                                               | M14X1.5 | 17 | 4.5                                                               | 7/16-20 UNF  | 34   | 26   | 17 | 0.0926 | 400 |     |
| D6400-L08-05-0 |       | 8                                                               | M14X1.5 | 17 | 6                                                                 | 1/2-20 UNF   | 36   | 28   | 17 | 0.1036 | 400 |     |
| D6400-L08-06-0 |       | 8                                                               | M14X1.5 | 17 | 6                                                                 | 9/16-18 UNF  | 35   | 27   | 19 | 0.108  | 400 |     |
| D6400-L10-04-0 |       | 10                                                              | M16X1.5 | 19 | 4.5                                                               | 7/16-20 UNF  | 35   | 27   | 17 | 0.1058 | 400 |     |
| D6400-L10-05-0 |       | 10                                                              | M16X1.5 | 19 | 5                                                                 | 1/2-20 UNF   | 35   | 27.2 | 17 | 0.1124 | 400 |     |
| D6400-L10-06-0 |       | 10                                                              | M16X1.5 | 19 | 7.5                                                               | 9/16-18 UNF  | 36   | 28   | 19 | 0.119  | 400 |     |
| D6400-L10-08-0 |       | 10                                                              | M16X1.5 | 19 | 8                                                                 | 3/4-16 UNF   | 39   | 31   | 24 | 0.1764 | 400 |     |
| D6400-L10-10-0 |       | 10                                                              | M16X1.5 | 19 | 8                                                                 | 7/8-14 UNF   | 40.5 | 32.5 | 27 | 0.2006 | 400 |     |
| D6400-L12-04-0 |       | 12                                                              | M18X1.5 | 22 | 4.5                                                               | 7/16-20 UNF  | 36   | 28   | 19 | 0.1367 | 400 |     |
| D6400-L12-06-0 |       | 12                                                              | M18X1.5 | 22 | 7.5                                                               | 9/16-18 UNF  | 36   | 28   | 19 | 0.1411 | 400 |     |
| D6400-L12-08-0 |       | 12                                                              | M18X1.5 | 22 | 10                                                                | 3/4-16 UNF   | 39   | 31   | 24 | 0.1852 | 400 |     |
| D6400-L12-10-0 |       | 12                                                              | M18X1.5 | 22 | 10                                                                | 7/8-14 UNF   | 42   | 34   | 27 | 0.2447 | 400 |     |
| D6400-L15-06-0 |       | 15                                                              | M22X1.5 | 27 | 7.5                                                               | 9/16-18 UNF  | 39.5 | 31   | 24 | 0.2227 | 400 |     |
| D6400-L15-08-0 |       | 15                                                              | M22X1.5 | 27 | 10                                                                | 3/4-16 UNF   | 40.5 | 32   | 24 | 0.2447 | 400 |     |
| D6400-L15-10-0 |       | 15                                                              | M22X1.5 | 27 | 12                                                                | 7/8-14 UNF   | 43   | 34.7 | 27 | 0.2844 | 400 |     |
| D6400-L15-12-0 |       | 15                                                              | M22X1.5 | 27 | 12                                                                | 1-1/16-12 UN | 48.5 | 40   | 32 | 0.4255 | 400 |     |
| D6400-L18-08-0 |       | 18                                                              | M26X1.5 | 32 | 10                                                                | 3/4-16 UNF   | 42.5 | 33   | 27 | 0.3219 | 400 |     |
| D6400-L18-10-0 |       | 18                                                              | M26X1.5 | 32 | 14                                                                | 7/8-14 UNF   | 44   | 34.7 | 27 | 0.3351 | 400 |     |
| D6400-L18-12-0 |       | 18                                                              | M26X1.5 | 32 | 15                                                                | 1-1/16-12 UN | 46.5 | 37   | 32 | 0.4233 | 250 |     |
| D6400-L22-08-0 |       | 22                                                              | M30X2.0 | 36 | 10                                                                | 3/4-16 UNF   | 50.5 | 40   | 32 | 0.4894 | 250 |     |
| D6400-L22-10-0 |       | 22                                                              | M30X2.0 | 36 | 14                                                                | 7/8-14 UNF   | 47.5 | 37   | 32 | 0.4387 | 250 |     |
| D6400-L22-12-0 |       | 22                                                              | M30X2.0 | 36 | 15.5                                                              | 1-1/16-12 UN | 49.5 | 39   | 32 | 0.4894 | 250 |     |
| D6400-L22-16-0 |       | 22                                                              | M30X2.0 | 36 | 19                                                                | 1-5/16-12 UN | 50.5 | 40   | 41 | 0.6327 | 250 |     |
| D6400-L28-10-0 |       | 28                                                              | M36X2.0 | 41 | 12.5                                                              | 7/8-14 UNF   | 48.5 | 37.7 | 41 | 0.5798 | 250 |     |
| D6400-L28-12-0 |       | 28                                                              | M36X2.0 | 41 | 15.5                                                              | 1-1/16-12 UN | 51   | 40   | 41 | 0.6283 | 250 |     |
| D6400-L28-16-0 |       | 28                                                              | M36X2.0 | 41 | 21.5                                                              | 1-5/16-12 UN | 51   | 40   | 41 | 0.6526 | 250 |     |

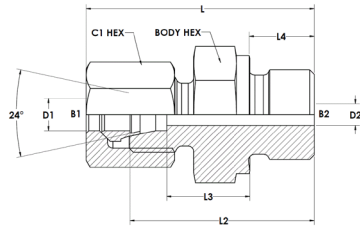
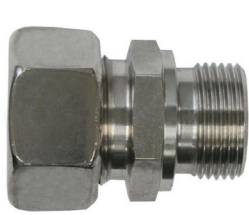
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| Part #         | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE SAE O-RING<br>BOSS<br>ISO 11926, ASME/ANSI<br>B 1.20.1 |              |      | L1   | L2 | BODY   | WT  | BAR |
|----------------|-------|-----------------------------------------------------------------|---------|----|-------------------------------------------------------------------|--------------|------|------|----|--------|-----|-----|
|                |       | D1                                                              | THREAD  | C1 | D2                                                                | THREAD       | C2   |      |    |        |     |     |
| D6400-L28-20-0 | LIGHT | 28                                                              | M36X2.0 | 41 | 24                                                                | 1-5/8-12 UN  | 51   | 40   | 50 | 0.862  | 250 |     |
| D6400-L35-16-0 |       | 35                                                              | M45X2.0 | 50 | 21.5                                                              | 1-5/16-12 UN | 55   | 43   | 46 | 0.9193 | 250 |     |
| D6400-L35-20-0 |       | 35                                                              | M45X2.0 | 50 | 27.5                                                              | 1-5/8-12 UN  | 55   | 43   | 50 | 1.0362 | 250 |     |
| D6400-L42-16-0 |       | 42                                                              | M52X2.0 | 60 | 21.5                                                              | 1-5/16-12 UN | 57   | 45   | 55 | 1.3206 | 250 |     |
| D6400-L42-20-0 |       | 42                                                              | M52X2.0 | 60 | 27.5                                                              | 1-5/8-12 UN  | 57   | 45   | 55 | 1.3757 | 250 |     |
| D6400-L42-24-0 |       | 42                                                              | M52X2.0 | 60 | 33.5                                                              | 1-7/8-12 UN  | 57   | 45   | 55 | 1.4043 | 250 |     |
| D6400-S06-04-0 | HEAVY | 6                                                               | M14X1.5 | 17 | 4                                                                 | 7/16-20 UNF  | 36   | 28   | 17 | 0.1036 | 630 |     |
| D6400-S08-04-0 |       | 8                                                               | M16X1.5 | 19 | 4.5                                                               | 7/16-20 UNF  | 37   | 29   | 17 | 0.119  | 630 |     |
| D6400-S08-05-0 |       | 8                                                               | M16X1.5 | 19 | 5                                                                 | 1/2-20 UNF   | 41   | 33   | 17 | 0.1411 | 630 |     |
| D6400-S10-06-0 |       | 10                                                              | M18X1.5 | 22 | 7                                                                 | 9/16-18 UNF  | 41   | 32   | 19 | 0.1698 | 630 |     |
| D6400-S10-08-0 |       | 10                                                              | M18X1.5 | 22 | 7                                                                 | 3/4-16 UNF   | 45.5 | 36.5 | 22 | 0.2359 | 630 |     |
| D6400-S12-06-0 |       | 12                                                              | M20X1.5 | 24 | 7.5                                                               | 9/16-18 UNF  | 45   | 36   | 24 | 0.2337 | 630 |     |
| D6400-S12-08-0 |       | 12                                                              | M20X1.5 | 24 | 8                                                                 | 3/4-16 UNF   | 45   | 36   | 24 | 0.2535 | 630 |     |
| D6400-S12-10-0 |       | 12                                                              | M20X1.5 | 24 | 8                                                                 | 7/8-14 UNF   | 50   | 41   | 27 | 0.3175 | 630 |     |
| D6400-S16-08-0 |       | 16                                                              | M24X1.5 | 30 | 10                                                                | 3/4-16 UNF   | 46   | 36   | 24 | 0.3263 | 630 |     |
| D6400-S16-10-0 |       | 16                                                              | M24X1.5 | 30 | 12                                                                | 7/8-14 UNF   | 49.5 | 39.7 | 27 | 0.3748 | 630 |     |
| D6400-S16-12-0 |       | 16                                                              | M24X1.5 | 30 | 12                                                                | 1-1/16-12 UN | 57.5 | 47.5 | 32 | 0.5313 | 400 |     |
| D6400-S20-08-0 |       | 20                                                              | M30X2.0 | 36 | 10                                                                | 3/4-16 UNF   | 54   | 42   | 32 | 0.5467 | 400 |     |
| D6400-S20-10-0 |       | 20                                                              | M30X2.0 | 36 | 12.5                                                              | 7/8-14 UNF   | 56   | 44   | 32 | 0.5688 | 400 |     |
| D6400-S20-12-0 |       | 20                                                              | M30X2.0 | 36 | 15.5                                                              | 1-1/16-12 UN | 58   | 46   | 32 | 0.6129 | 400 |     |
| D6400-S20-16-0 |       | 20                                                              | M30X2.0 | 36 | 16                                                                | 1-5/16-12 UN | 58   | 46   | 41 | 0.7981 | 400 |     |
| D6400-S25-12-0 |       | 25                                                              | M36X2.0 | 46 | 15.5                                                              | 1-1/16-12 UN | 63   | 50   | 36 | 0.9766 | 400 |     |
| D6400-S25-16-0 |       | 25                                                              | M36X2.0 | 46 | 20                                                                | 1-5/16-12 UN | 63   | 50   | 41 | 1.0825 | 400 |     |
| D6400-S30-12-0 |       | 30                                                              | M42X2.0 | 50 | 15.5                                                              | 1-1/16-12 UN | 66   | 52   | 50 | 1.2809 | 400 |     |
| D6400-S30-16-0 |       | 30                                                              | M42X2.0 | 50 | 21.5                                                              | 1-5/16-12 UN | 66   | 52   | 46 | 1.2456 | 400 |     |
| D6400-S30-20-0 |       | 30                                                              | M42X2.0 | 50 | 25                                                                | 1-5/8-12 UN  | 66   | 52   | 50 | 1.4176 | 400 |     |
| D6400-S30-24-0 |       | 30                                                              | M42X2.0 | 50 | 25                                                                | 1-7/8-12 UN  | 69.5 | 55.5 | 55 | 1.7968 | 315 |     |
| D6400-S38-20-0 |       | 38                                                              | M52X2.0 | 60 | 27.5                                                              | 1-5/8-12 UN  | 72.5 | 57   | 55 | 1.9246 | 315 |     |
| D6400-S38-24-0 |       | 38                                                              | M52X2.0 | 60 | 32                                                                | 1-7/8-12 UN  | 72.5 | 57   | 55 | 2.0305 | 315 |     |

# D7400-CF

MBT-MBSPP CF STRAIGHT

MBSPP ISO 1179-4 FORM B METAL SEALING EDGE (GEV R)



| Part #          | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPP<br>FORM B<br><br>ISO 1179-4,<br>ISO 8434-6,<br>BS 5200 |        |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|-------------|---------------------------------------------------------------------|---------|----|------------------------------------------------------------------------|--------|------|------|----|--------|-----|-----|
|                 |             | D1                                                                  | THREAD  | C1 | D2                                                                     | THREAD |      |      |    |        |     |     |
| D7400-E04-02-CF | EXTRA LIGHT | 4                                                                   | M08X1.0 | 10 | 3                                                                      | 1/8-28 | 27.5 | 21.5 | 14 | 0.0391 | 100 |     |
| D7400-E06-02-CF |             | 6                                                                   | M10X1.0 | 12 | 4                                                                      | 1/8-28 | 27.5 | 21.5 | 14 | 0.0434 | 100 |     |
| D7400-E08-02-CF |             | 8                                                                   | M12X1.0 | 14 | 4                                                                      | 1/8-28 | 28.5 | 22.5 | 14 | 0.0517 | 100 |     |
| D7400-E10-04-CF |             | 10                                                                  | M14X1.0 | 17 | 7                                                                      | 1/4-19 | 33.8 | 28   | 19 | 0.0944 | 100 |     |
| D7400-L06-02-CF | LIGHT       | 6                                                                   | M12X1.5 | 14 | 4                                                                      | 1/8-28 | 31.5 | 23.5 | 14 | 0.0623 | 315 |     |
| D7400-L06-04-CF |             | 6                                                                   | M12X1.5 | 14 | 4                                                                      | 1/4-19 | 37   | 29   | 19 | 0.0972 | 315 |     |
| D7400-L06-06-CF |             | 6                                                                   | M12X1.5 | 14 | 4                                                                      | 3/8-19 | 38.5 | 30.5 | 22 | 0.1258 | 315 |     |
| D7400-L06-08-CF |             | 6                                                                   | M12X1.5 | 14 | 4                                                                      | 1/2-14 | 41   | 33   | 27 | 0.1824 | 315 |     |
| D7400-L08-02-CF |             | 8                                                                   | M14X1.5 | 17 | 4                                                                      | 1/8-28 | 32.5 | 24.5 | 14 | 0.0816 | 315 |     |
| D7400-L08-04-CF |             | 8                                                                   | M14X1.5 | 17 | 6                                                                      | 1/4-19 | 37   | 29   | 19 | 0.1079 | 315 |     |
| D7400-L08-06-CF |             | 8                                                                   | M14X1.5 | 17 | 6                                                                      | 3/8-19 | 38.5 | 30.5 | 22 | 0.1471 | 315 |     |
| D7400-L08-08-CF |             | 8                                                                   | M14X1.5 | 17 | 6                                                                      | 1/2-14 | 41   | 33   | 27 | 0.2131 | 315 |     |
| D7400-L08-12-CF |             | 8                                                                   | M14X1.5 | 17 | 6                                                                      | 3/4-14 | 44   | 36   | 32 | 0.265  | 315 |     |
| D7400-L10-02-CF |             | 10                                                                  | M16X1.5 | 19 | 4                                                                      | 1/8-28 | 33.5 | 25.5 | 17 | 0.1007 | 315 |     |
| D7400-L10-04-CF |             | 10                                                                  | M16X1.5 | 19 | 6                                                                      | 1/4-19 | 38   | 30   | 19 | 0.1241 | 315 |     |
| D7400-L10-06-CF |             | 10                                                                  | M16X1.5 | 19 | 8                                                                      | 3/8-19 | 39.5 | 31.5 | 22 | 0.1541 | 315 |     |
| D7400-L10-08-CF |             | 10                                                                  | M16X1.5 | 19 | 8                                                                      | 1/2-14 | 42   | 34   | 27 | 0.2191 | 315 |     |
| D7400-L10-12-CF |             | 10                                                                  | M16X1.5 | 19 | 8                                                                      | 3/4-14 | 45.5 | 37.5 | 32 | 0.2703 | 315 |     |
| D7400-L12-02-CF |             | 12                                                                  | M18X1.5 | 22 | 4                                                                      | 1/8-28 | 34.5 | 26.5 | 19 | 0.1286 | 315 |     |
| D7400-L12-04-CF |             | 12                                                                  | M18X1.5 | 22 | 6                                                                      | 1/4-19 | 39   | 31   | 19 | 0.1444 | 315 |     |
| D7400-L12-06-CF |             | 12                                                                  | M18X1.5 | 22 | 9                                                                      | 3/8-19 | 39.5 | 31.5 | 22 | 0.1704 | 315 |     |
| D7400-L12-08-CF |             | 12                                                                  | M18X1.5 | 22 | 10                                                                     | 1/2-14 | 42   | 34   | 27 | 0.228  | 315 |     |
| D7400-L12-12-CF |             | 12                                                                  | M18X1.5 | 22 | 10                                                                     | 3/4-14 | 45   | 37   | 32 | 0.3453 | 315 |     |
| D7400-L15-04-CF |             | 15                                                                  | M22X1.5 | 27 | 7                                                                      | 1/4-19 | 40.5 | 32   | 24 | 0.2224 | 315 |     |
| D7400-L15-06-CF |             | 15                                                                  | M22X1.5 | 27 | 9                                                                      | 3/8-19 | 41   | 32.5 | 24 | 0.2388 | 315 |     |
| D7400-L15-08-CF |             | 15                                                                  | M22X1.5 | 27 | 12                                                                     | 1/2-14 | 43.5 | 35   | 27 | 0.2713 | 315 |     |
| D7400-L15-12-CF |             | 15                                                                  | M22X1.5 | 27 | 12                                                                     | 3/4-14 | 46.5 | 38   | 32 | 0.3435 | 250 |     |
| D7400-L15-16-CF |             | 15                                                                  | M22X1.5 | 27 | 12                                                                     | 1-11   | 49.5 | 41   | 41 | 0.5016 | 160 |     |
| D7400-L18-06-CF |             | 18                                                                  | M26X1.5 | 32 | 9                                                                      | 3/8-19 | 43   | 33.5 | 27 | 0.3125 | 250 |     |
| D7400-L18-08-CF |             | 18                                                                  | M26X1.5 | 32 | 14                                                                     | 1/2-14 | 45.5 | 36   | 27 | 0.33   | 250 |     |
| D7400-L18-12-CF |             | 18                                                                  | M26X1.5 | 32 | 15                                                                     | 3/4-14 | 47.5 | 38   | 32 | 0.4237 | 250 |     |
| D7400-L18-16-CF |             | 18                                                                  | M26X1.5 | 32 | 15                                                                     | 1-11   | 49.5 | 40   | 41 | 0.5356 | 160 |     |

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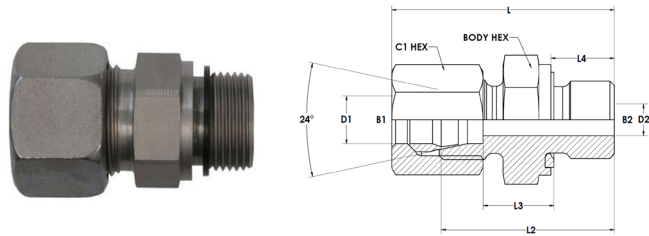
| Part #          | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPP<br>FORM B<br><br>ISO 1179-4,<br>ISO 8434-6,<br>BS 5200 |          |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|-------|---------------------------------------------------------------------|---------|----|------------------------------------------------------------------------|----------|------|------|----|--------|-----|-----|
|                 |       | D1                                                                  | THREAD  | C1 | D2                                                                     | THREAD   |      |      |    |        |     |     |
| D7400-L22-08-CF | LIGHT | 22                                                                  | M30X2.0 | 36 | 14                                                                     | 1/2-14   | 48.5 | 38   | 32 | 0.4234 | 160 |     |
| D7400-L22-12-CF |       | 22                                                                  | M30X2.0 | 36 | 18                                                                     | 3/4-14   | 50.5 | 40   | 32 | 0.4657 | 160 |     |
| D7400-L22-16-CF |       | 22                                                                  | M30X2.0 | 36 | 19                                                                     | 1-11     | 53.5 | 43   | 41 | 0.6567 | 160 |     |
| D7400-L22-20-CF |       | 22                                                                  | M30X2.0 | 36 | 19                                                                     | 1-1/4-11 | 55.5 | 45   | 50 | 0.8156 | 160 |     |
| D7400-L28-08-CF |       | 28                                                                  | M36X2.0 | 41 | 14                                                                     | 1/2-14   | 50   | 39   | 41 | 0.5742 | 160 |     |
| D7400-L28-12-CF |       | 28                                                                  | M36X2.0 | 41 | 18                                                                     | 3/4-14   | 52   | 41   | 41 | 0.5944 | 160 |     |
| D7400-L28-16-CF |       | 28                                                                  | M36X2.0 | 41 | 23                                                                     | 1-11     | 54   | 43   | 41 | 0.653  | 160 |     |
| D7400-L28-20-CF |       | 28                                                                  | M36X2.0 | 41 | 24                                                                     | 1-1/4-11 | 57   | 46   | 50 | 0.8813 | 160 |     |
| D7400-L28-24-CF |       | 28                                                                  | M36X2.0 | 41 | 24                                                                     | 1-1/2-11 | 61   | 50   | 55 | 1.0921 | 160 |     |
| D7400-L35-12-CF |       | 35                                                                  | M45X2.0 | 50 | 18                                                                     | 3/4-14   | 56   | 44   | 46 | 0.8768 | 160 |     |
| D7400-L35-16-CF |       | 35                                                                  | M45X2.0 | 50 | 23                                                                     | 1-11     | 58   | 46   | 46 | 0.9216 | 160 |     |
| D7400-L35-20-CF |       | 35                                                                  | M45X2.0 | 50 | 30                                                                     | 1-1/4-11 | 60   | 48   | 50 | 1.0388 | 160 |     |
| D7400-L35-24-CF |       | 35                                                                  | M45X2.0 | 50 | 30                                                                     | 1-1/2-11 | 64   | 52   | 55 | 1.3764 | 160 |     |
| D7400-L35-32-CF |       | 35                                                                  | M45X2.0 | 50 |                                                                        | 2-11     | 71   | 59   | 70 | 2.4855 | 160 |     |
| D7400-S06-02-CF | HEAVY | 6                                                                   | M14X1.5 | 17 | 4                                                                      | 1/8-28   | 36   | 28   | 17 | 0.1075 | 400 |     |
| D7400-S06-04-CF |       | 6                                                                   | M14X1.5 | 17 | 4                                                                      | 1/4-19   | 40   | 32   | 19 | 0.1319 | 400 |     |
| D7400-S06-06-CF |       | 6                                                                   | M14X1.5 | 17 | 4                                                                      | 3/8-19   | 42.5 | 34.5 | 22 | 0.168  | 400 |     |
| D7400-S06-08-CF |       | 6                                                                   | M14X1.5 | 17 | 4                                                                      | 1/2-14   | 47   | 39   | 27 | 0.2662 | 400 |     |
| D7400-S08-02-CF |       | 8                                                                   | M16X1.5 | 19 |                                                                        | 1/8-28   | 37.5 | 29.5 | 17 | 0.1301 | 400 |     |
| D7400-S08-04-CF |       | 8                                                                   | M16X1.5 | 19 | 5                                                                      | 1/4-19   | 42   | 34   | 19 | 0.1532 | 400 |     |
| D7400-S08-06-CF |       | 8                                                                   | M16X1.5 | 19 | 5                                                                      | 3/8-19   | 42.5 | 34.5 | 22 | 0.1913 | 400 |     |
| D7400-S08-08-CF |       | 8                                                                   | M16X1.5 | 19 | 5                                                                      | 1/2-14   | 47   | 39   | 27 | 0.286  | 400 |     |
| D7400-S10-04-CF |       | 10                                                                  | M18X1.5 | 22 | 5                                                                      | 1/4-19   | 43   | 34   | 19 | 0.1841 | 400 |     |
| D7400-S10-06-CF |       | 10                                                                  | M18X1.5 | 22 | 7                                                                      | 3/8-19   | 43.5 | 34.5 | 22 | 0.2134 | 400 |     |
| D7400-S10-08-CF |       | 10                                                                  | M18X1.5 | 22 | 7                                                                      | 1/2-14   | 48   | 39   | 27 | 0.3067 | 400 |     |
| D7400-S12-04-CF |       | 12                                                                  | M20X1.5 | 24 | 5                                                                      | 1/4-19   | 45   | 36   | 22 | 0.229  | 400 |     |
| D7400-S12-06-CF |       | 12                                                                  | M20X1.5 | 24 | 8                                                                      | 3/8-19   | 45.5 | 36.5 | 22 | 0.2372 | 400 |     |
| D7400-S12-08-CF |       | 12                                                                  | M20X1.5 | 24 | 8                                                                      | 1/2-14   | 48   | 39   | 27 | 0.3169 | 400 |     |
| D7400-S12-12-CF |       | 12                                                                  | M20X1.5 | 24 | 8                                                                      | 3/4-14   | 52   | 43   | 32 | 0.4677 | 400 |     |
| D7400-S14-04-CF |       | 14                                                                  | M22X1.5 | 27 | 5                                                                      | 1/4-19   | 46   | 36   | 22 | 0.2719 | 400 |     |
| D7400-S14-06-CF |       | 14                                                                  | M22X1.5 | 27 | 8                                                                      | 3/8-19   | 48.5 | 38.5 | 22 | 0.2998 | 400 |     |
| D7400-S14-08-CF |       | 14                                                                  | M22X1.5 | 27 | 10                                                                     | 1/2-14   | 51   | 41   | 27 | 0.3634 | 400 |     |
| D7400-S14-12-CF |       | 14                                                                  | M22X1.5 | 27 | 10                                                                     | 3/4-14   | 55   | 45   | 32 | 0.5122 | 400 |     |
| D7400-S16-04-CF |       | 16                                                                  | M24X1.5 | 30 | 5                                                                      | 1/4-19   | 48.5 | 38.5 | 24 | 0.3395 | 400 |     |
| D7400-S16-06-CF |       | 16                                                                  | M24X1.5 | 30 | 8                                                                      | 3/8-19   | 48.5 | 38.5 | 27 | 0.3696 | 400 |     |
| D7400-S16-08-CF |       | 16                                                                  | M24X1.5 | 30 | 12                                                                     | 1/2-14   | 51   | 41   | 27 | 0.3843 | 400 |     |
| D7400-S16-12-CF |       | 16                                                                  | M24X1.5 | 30 | 12                                                                     | 3/4-14   | 55   | 45   | 32 | 0.5307 | 400 |     |
| D7400-S16-16-CF |       | 16                                                                  | M24X1.5 | 30 | 12                                                                     | 1-11     | 59   | 49   | 41 | 0.7562 | 400 |     |
| D7400-S20-08-CF |       | 20                                                                  | M30X2.0 | 36 | 12                                                                     | 1/2-14   | 57   | 45   | 32 | 0.5877 | 400 |     |
| D7400-S20-12-CF |       | 20                                                                  | M30X2.0 | 36 | 16                                                                     | 3/4-14   | 59   | 47   | 32 | 0.6238 | 400 |     |
| D7400-S20-16-CF |       | 20                                                                  | M30X2.0 | 36 | 16                                                                     | 1-11     | 63   | 51   | 41 | 0.8677 | 250 |     |
| D7400-S20-20-CF |       | 20                                                                  | M30X2.0 | 36 | 16                                                                     | 1-1/4-11 | 65   | 53   | 50 | 1.1987 | 160 |     |

More sizes available @brennaninc.com or contact 888.331.1523 for more details

# D7400-ED

MBT-MBSPP ED STRAIGHT

MBSPP ISO 1179-2 FORM E ELASTOMERIC SEAL DIN 3869 (GEV R - WD)



| Part #          | CODE | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPP<br>FORM E<br>CAPTIVE SEAL<br>ISO 1179-4,<br>ISO 8434-6,<br>BS 5200 |          |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|------|---------------------------------------------------------------------|---------|----|------------------------------------------------------------------------------------|----------|------|------|----|--------|-----|-----|
|                 |      | D1                                                                  | THREAD  | C1 | D2                                                                                 | THREAD   |      |      |    |        |     |     |
| D7400-L06-02-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                  | 1/8-28   | 31.5 | 23.5 | 14 | 0.062  | 500 |     |
| D7400-L06-04-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                  | 1/4-19   | 37   | 29   | 19 | 0.0966 | 500 |     |
| D7400-L06-06-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                  | 3/8-19   | 38.5 | 30.5 | 22 | 0.1246 | 500 |     |
| D7400-L06-08-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                  | 1/2-14   | 41   | 33   | 27 | 0.1797 | 500 |     |
| D7400-L08-02-ED |      | 8                                                                   | M14X1.5 | 17 | 4                                                                                  | 1/8-28   | 32.5 | 24.5 | 14 | 0.0813 | 500 |     |
| D7400-L08-04-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                  | 1/4-19   | 37   | 29   | 19 | 0.1073 | 500 |     |
| D7400-L08-06-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                  | 3/8-19   | 38.5 | 30.5 | 22 | 0.146  | 500 |     |
| D7400-L08-08-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                  | 1/2-14   | 41   | 33   | 27 | 0.1985 | 500 |     |
| D7400-L10-02-ED |      | 10                                                                  | M16X1.5 | 19 | 4                                                                                  | 1/8-28   | 33.5 | 25.5 | 17 | 0.1018 | 500 |     |
| D7400-L10-04-ED |      | 10                                                                  | M16X1.5 | 19 | 6                                                                                  | 1/4-19   | 38   | 30   | 19 | 0.1235 | 500 |     |
| D7400-L10-06-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                  | 3/8-19   | 39.5 | 31.5 | 22 | 0.1529 | 500 |     |
| D7400-L10-08-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                  | 1/2-14   | 42   | 34   | 27 | 0.2193 | 500 |     |
| D7400-L10-12-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                  | 3/4-14   | 45   | 37   | 32 | 0.2712 | 400 |     |
| D7400-L12-02-ED |      | 12                                                                  | M18X1.5 | 22 | 4                                                                                  | 1/8-28   | 34.5 | 26.5 | 19 | 0.1308 | 400 |     |
| D7400-L12-04-ED |      | 12                                                                  | M18X1.5 | 22 | 6                                                                                  | 1/4-19   | 39   | 31   | 19 | 0.1439 | 400 |     |
| D7400-L12-06-ED |      | 12                                                                  | M18X1.5 | 22 | 9                                                                                  | 3/8-19   | 39.5 | 31.5 | 22 | 0.1693 | 400 |     |
| D7400-L12-08-ED |      | 12                                                                  | M18X1.5 | 22 | 10                                                                                 | 1/2-14   | 42   | 34   | 27 | 0.2281 | 400 |     |
| D7400-L12-12-ED |      | 12                                                                  | M18X1.5 | 22 | 10                                                                                 | 3/4-14   | 45   | 37   | 32 | 0.2882 | 400 |     |
| D7400-L15-04-ED |      | 15                                                                  | M22X1.5 | 27 | 7                                                                                  | 1/4-19   | 40.5 | 32   | 24 | 0.2222 | 400 |     |
| D7400-L15-06-ED |      | 15                                                                  | M22X1.5 | 27 | 9                                                                                  | 3/8-19   | 41   | 32.5 | 24 | 0.2378 | 400 |     |
| D7400-L15-08-ED |      | 15                                                                  | M22X1.5 | 27 | 12                                                                                 | 1/2-14   | 43.5 | 35   | 27 | 0.2715 | 400 |     |
| D7400-L15-12-ED |      | 15                                                                  | M22X1.5 | 27 | 12                                                                                 | 3/4-14   | 46.5 | 38   | 32 | 0.3848 | 400 |     |
| D7400-L15-16-ED |      | 15                                                                  | M22X1.5 | 27 | 12                                                                                 | 1-11     | 51   | 42.5 | 41 | 0.6359 | 315 |     |
| D7400-L18-04-ED |      | 18                                                                  | M26X1.5 | 32 | 6                                                                                  | 1/4-19   | 43   | 33.5 | 27 | 0.3095 | 400 |     |
| D7400-L18-06-ED |      | 18                                                                  | M26X1.5 | 32 | 9                                                                                  | 3/8-19   | 43   | 33.5 | 27 | 0.3227 | 400 |     |
| D7400-L18-08-ED |      | 18                                                                  | M26X1.5 | 32 | 14                                                                                 | 1/2-14   | 45.5 | 36   | 27 | 0.3302 | 400 |     |
| D7400-L18-12-ED |      | 18                                                                  | M26X1.5 | 32 | 15                                                                                 | 3/4-14   | 47.5 | 38   | 32 | 0.4212 | 400 |     |
| D7400-L18-16-ED |      | 18                                                                  | M26X1.5 | 32 | 15                                                                                 | 1-11     | 50.5 | 41   | 41 | 0.5385 | 315 |     |
| D7400-L22-08-ED |      | 22                                                                  | M30X2.0 | 36 | 14                                                                                 | 1/2-14   | 48.5 | 38   | 32 | 0.4272 | 250 |     |
| D7400-L22-12-ED |      | 22                                                                  | M30X2.0 | 36 | 18                                                                                 | 3/4-14   | 50.5 | 40   | 32 | 0.4635 | 250 |     |
| D7400-L22-16-ED |      | 22                                                                  | M30X2.0 | 36 | 19                                                                                 | 1-11     | 53.5 | 43   | 41 | 0.6545 | 250 |     |
| D7400-L22-20-ED |      | 22                                                                  | M30X2.0 | 36 | 19                                                                                 | 1-1/4-11 | 55.5 | 45   | 50 | 0.9781 | 250 |     |

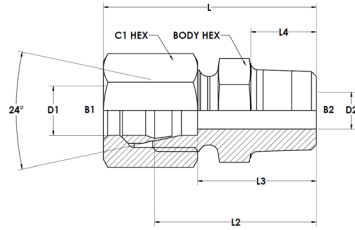
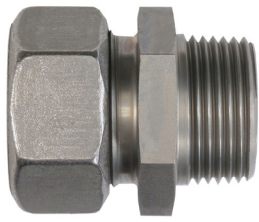
| Part #          | CODE | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPP<br>FORM E<br>CAPTIVE SEAL<br>ISO 1179-4,<br>ISO 8434-6,<br>BS 5200 |          |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|------|---------------------------------------------------------------------|---------|----|------------------------------------------------------------------------------------|----------|------|------|----|--------|-----|-----|
|                 |      | D1                                                                  | THREAD  | C1 | D2                                                                                 | THREAD   |      |      |    |        |     |     |
| D7400-L28-08-ED |      | 28                                                                  | M36X2.0 | 41 | 14                                                                                 | 1/2-14   | 50   | 39   | 41 | 0.5754 | 250 |     |
| D7400-L28-12-ED |      | 28                                                                  | M36X2.0 | 41 | 18                                                                                 | 3/4-14   | 52   | 41   | 41 | 0.6047 | 250 |     |
| D7400-L28-16-ED |      | 28                                                                  | M36X2.0 | 41 | 23                                                                                 | 1-11     | 54   | 43   | 41 | 0.6505 | 250 |     |
| D7400-L28-20-ED |      | 28                                                                  | M36X2.0 | 41 | 24                                                                                 | 1-1/4-11 | 56   | 45   | 50 | 0.8537 | 250 |     |
| D7400-L35-08-ED |      | 35                                                                  | M45X2.0 | 50 | 14                                                                                 | 1/2-14   | 54   | 42   | 46 | 0.8454 | 250 |     |
| D7400-L35-12-ED |      | 35                                                                  | M45X2.0 | 50 | 18                                                                                 | 3/4-14   | 56   | 44   | 46 | 0.8762 | 250 |     |
| D7400-L35-16-ED |      | 35                                                                  | M45X2.0 | 50 | 23                                                                                 | 1-11     | 58   | 46   | 46 | 0.9199 | 250 |     |
| D7400-L35-20-ED |      | 35                                                                  | M45X2.0 | 50 | 30                                                                                 | 1-1/4-11 | 60   | 48   | 50 | 1.0366 | 250 |     |
| D7400-L35-24-ED |      | 35                                                                  | M45X2.0 | 50 | 30                                                                                 | 1-1/2-11 | 64   | 52   | 55 | 1.3727 | 250 |     |
| D7400-S06-02-ED |      | 6                                                                   | M14X1.5 | 17 | 4                                                                                  | 1/8-28   | 36   | 28   | 17 | 0.107  | 630 |     |
| D7400-S06-04-ED |      | 6                                                                   | M14X1.5 | 17 | 4                                                                                  | 1/4-19   | 40   | 32   | 19 | 0.131  | 630 |     |
| D7400-S06-06-ED |      | 6                                                                   | M14X1.5 | 17 | 4                                                                                  | 3/8-19   | 42.5 | 34.5 | 22 | 0.1794 | 630 |     |
| D7400-S06-08-ED |      | 6                                                                   | M14X1.5 | 17 | 4                                                                                  | 1/2-14   | 47   | 39   | 27 | 0.2401 | 630 |     |
| D7400-S08-02-ED |      | 8                                                                   | M16X1.5 | 19 | 4                                                                                  | 1/8-28   | 37.5 | 29.5 | 19 | 0.1365 | 630 |     |
| D7400-S08-04-ED |      | 8                                                                   | M16X1.5 | 19 | 5                                                                                  | 1/4-19   | 42   | 34   | 19 | 0.1528 | 630 |     |
| D7400-S08-06-ED |      | 8                                                                   | M16X1.5 | 19 | 5                                                                                  | 3/8-19   | 42.5 | 34.5 | 22 | 0.1904 | 630 |     |
| D7400-S08-08-ED |      | 8                                                                   | M16X1.5 | 19 | 5                                                                                  | 1/2-14   | 47   | 39   | 27 | 0.2866 | 630 |     |
| D7400-S08-12-ED |      | 8                                                                   | M16X1.5 | 19 | 5                                                                                  | 3/4-14   | 49   | 41   | 32 | 0.3341 | 630 |     |
| D7400-S10-02-ED |      | 10                                                                  | M18X1.5 | 22 | 4                                                                                  | 1/8-28   | 39   | 30   | 19 | 0.1705 | 630 |     |
| D7400-S10-04-ED |      | 10                                                                  | M18X1.5 | 22 | 5                                                                                  | 1/4-19   | 43   | 34   | 19 | 0.1837 | 630 |     |
| D7400-S10-06-ED |      | 10                                                                  | M18X1.5 | 22 | 7                                                                                  | 3/8-19   | 43.5 | 34.5 | 22 | 0.2125 | 630 |     |
| D7400-S10-08-ED |      | 10                                                                  | M18X1.5 | 22 | 7                                                                                  | 1/2-14   | 48   | 39   | 27 | 0.3083 | 630 |     |
| D7400-S12-04-ED |      | 12                                                                  | M20X1.5 | 24 | 5                                                                                  | 1/4-19   | 45   | 36   | 22 | 0.2231 | 630 |     |
| D7400-S12-06-ED |      | 12                                                                  | M20X1.5 | 24 | 8                                                                                  | 3/8-19   | 45.5 | 36.5 | 22 | 0.2364 | 630 |     |
| D7400-S12-08-ED |      | 12                                                                  | M20X1.5 | 24 | 8                                                                                  | 1/2-14   | 48   | 39   | 27 | 0.3175 | 630 |     |
| D7400-S12-12-ED |      | 12                                                                  | M20X1.5 | 24 | 8                                                                                  | 3/4-14   | 50   | 41   | 32 | 0.3927 | 400 |     |
| D7400-S14-06-ED |      | 14                                                                  | M22X1.5 | 27 | 8                                                                                  | 3/8-19   | 48.5 | 38.5 | 24 | 0.3128 | 630 |     |
| D7400-S14-08-ED |      | 14                                                                  | M22X1.5 | 27 | 10                                                                                 | 1/2-14   | 51   | 41   | 27 | 0.3641 | 630 |     |
| D7400-S14-12-ED |      | 14                                                                  | M22X1.5 | 27 | 10                                                                                 | 3/4-14   | 55   | 45   | 32 | 0.4824 | 400 |     |
| D7400-S16-04-ED |      | 16                                                                  | M24X1.5 | 30 | 7                                                                                  | 1/4-19   | 48   | 38   | 27 | 0.3583 | 400 |     |
| D7400-S16-06-ED |      | 16                                                                  | M24X1.5 | 30 | 8                                                                                  | 3/8-19   | 48.5 | 38.5 | 27 | 0.3691 | 400 |     |
| D7400-S16-08-ED |      | 16                                                                  | M24X1.5 | 30 | 12                                                                                 | 1/2-14   | 51   | 41   | 27 | 0.3848 | 400 |     |
| D7400-S16-12-ED |      | 16                                                                  | M24X1.5 | 30 | 12                                                                                 | 3/4-14   | 55   | 45   | 32 | 0.5292 | 400 |     |
| D7400-S16-16-ED |      | 16                                                                  | M24X1.5 | 30 | 12                                                                                 | 1-11     | 59   | 49   | 41 | 0.7548 | 400 |     |
| D7400-S20-06-ED |      | 20                                                                  | M30X2.0 | 36 | 8                                                                                  | 3/8-19   | 54.5 | 42.5 | 32 | 0.5684 | 400 |     |
| D7400-S20-08-ED |      | 20                                                                  | M30X2.0 | 36 | 12                                                                                 | 1/2-14   | 57   | 45   | 32 | 0.5919 | 400 |     |
| D7400-S20-12-ED |      | 20                                                                  | M30X2.0 | 36 | 16                                                                                 | 3/4-14   | 59   | 47   | 32 | 0.6222 | 400 |     |
| D7400-S20-16-ED |      | 20                                                                  | M30X2.0 | 36 | 16                                                                                 | 1-11     | 63   | 51   | 41 | 0.9048 | 400 |     |
| D7400-S20-20-ED |      | 20                                                                  | M30X2.0 | 36 | 16                                                                                 | 1-1/4-11 | 65   | 53   | 50 | 1.3049 | 400 |     |
| D7400-S25-08-ED |      | 25                                                                  | M36X2.0 | 46 | 12                                                                                 | 1/2-14   | 62   | 49   | 41 | 1.0604 | 400 |     |
| D7400-S25-12-ED |      | 25                                                                  | M36X2.0 | 46 | 16                                                                                 | 3/4-14   | 64   | 51   | 41 | 1.0865 | 400 |     |
| D7400-S25-16-ED |      | 25                                                                  | M36X2.0 | 46 | 20                                                                                 | 1-11     | 66   | 53   | 41 | 1.1405 | 400 |     |
| D7400-S25-20-ED |      | 25                                                                  | M36X2.0 | 46 | 20                                                                                 | 1-1/4-11 | 68   | 55   | 50 | 1.4504 | 400 |     |
| D7400-S25-24-ED |      | 25                                                                  | M36X2.0 | 46 | 20                                                                                 | 1-1/2-11 | 73   | 60   | 55 | 1.7784 | 400 |     |
| D7400-S30-12-ED |      | 30                                                                  | M42X2.0 | 50 | 16                                                                                 | 3/4-14   | 67   | 53   | 46 | 1.2992 | 400 |     |

More sizes available @brennaninc.com or contact 888.331.1523 for more details

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# D7404

MBT-MBSPT STRAIGHT (GEV R - KEG)



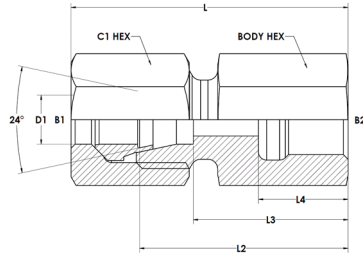
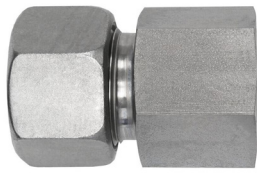
| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPT<br>DIN 3852-2<br>FORM C |        |      | L1 | L2 | BODY   | WT  | BAR |
|--------------|-------------|-----------------------------------------------------------------|---------|----|-----------------------------------------|--------|------|----|----|--------|-----|-----|
|              |             | D1                                                              | THREAD  | C1 | D2                                      | THREAD |      |    |    |        |     |     |
| D7404-E04-02 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 3                                       | 1/8-28 | 26   | 20 | 10 | 0.0305 | 100 |     |
| D7404-E06-02 |             | 6                                                               | M10X1.0 | 12 | 4.5                                     | 1/8-28 | 26   | 20 | 11 | 0.0354 | 100 |     |
| D7404-E06-04 |             | 6                                                               | M10X1.0 | 12 |                                         | 1/4-19 | 32   | 26 | 14 | 0.0619 | 100 |     |
| D7404-E08-02 |             | 8                                                               | M12X1.0 | 14 | 4.5                                     | 1/8-28 | 28   | 22 | 12 | 0.0468 | 100 |     |
| D7404-E08-04 |             | 8                                                               | M12X1.0 | 14 | 6                                       | 1/4-19 | 32   | 26 | 14 | 0.063  | 100 |     |
| D7404-E10-04 |             | 10                                                              | M14X1.0 | 17 | 7                                       | 1/4-19 | 31.8 | 26 | 14 | 0.0734 | 100 |     |
| D7404-E12-04 |             | 12                                                              | M16X1.0 | 19 |                                         | 1/4-19 | 33.3 | 26 | 17 | 0.0892 | 100 |     |
| D7404-E12-06 |             | 12                                                              | M16X1.0 | 19 |                                         | 3/8-19 | 33.3 | 26 | 19 | 0.0977 | 100 |     |
| D7404-L06-02 | LIGHT       | 6                                                               | M12X1.5 | 14 | 4                                       | 1/8-28 | 30   | 22 | 12 | 0.0565 | 315 |     |
| D7404-L06-04 |             | 6                                                               | M12X1.5 | 14 | 4                                       | 1/4-19 | 35   | 27 | 14 | 0.0793 | 315 |     |
| D7404-L06-06 |             | 6                                                               | M12X1.5 | 14 | 4                                       | 3/8-19 | 36   | 28 | 19 | 0.1017 | 315 |     |
| D7404-L06-08 |             | 6                                                               | M12X1.5 | 14 | 4                                       | 1/2-14 | 38   | 30 | 22 | 0.1424 | 315 |     |
| D7404-L08-02 |             | 8                                                               | M14X1.5 | 17 | 4                                       | 1/8-28 | 33   | 25 | 14 | 0.0843 | 315 |     |
| D7404-L08-04 |             | 8                                                               | M14X1.5 | 17 | 6                                       | 1/4-19 | 35   | 27 | 14 | 0.0904 | 315 |     |
| D7404-L08-06 |             | 8                                                               | M14X1.5 | 17 | 6                                       | 3/8-19 | 36   | 28 | 19 | 0.1246 | 315 |     |
| D7404-L08-08 |             | 8                                                               | M14X1.5 | 17 | 6                                       | 1/2-14 | 38   | 30 | 24 | 0.1628 | 315 |     |
| D7404-L10-02 |             | 10                                                              | M16X1.5 | 19 | 4                                       | 1/8-28 | 32   | 24 | 17 | 0.1    | 315 |     |
| D7404-L10-04 |             | 10                                                              | M16X1.5 | 19 | 7                                       | 1/4-19 | 36   | 28 | 17 | 0.1099 | 315 |     |
| D7404-L10-06 |             | 10                                                              | M16X1.5 | 19 | 8                                       | 3/8-19 | 36   | 28 | 19 | 0.128  | 315 |     |
| D7404-L10-08 |             | 10                                                              | M16X1.5 | 19 | 8                                       | 1/2-14 | 38   | 30 | 24 | 0.1802 | 315 |     |
| D7404-L12-04 |             | 12                                                              | M18X1.5 | 22 | 7                                       | 1/4-19 | 37   | 29 | 19 | 0.1411 | 315 |     |
| D7404-L12-06 |             | 12                                                              | M18X1.5 | 22 | 9                                       | 3/8-19 | 37   | 29 | 19 | 0.1494 | 315 |     |
| D7404-L12-08 |             | 12                                                              | M18X1.5 | 22 | 10                                      | 1/2-14 | 39   | 31 | 22 | 0.1899 | 315 |     |
| D7404-L15-06 |             | 15                                                              | M22X1.5 | 27 | 9                                       | 3/8-19 | 38.5 | 30 | 24 | 0.2288 | 315 |     |
| D7404-L15-08 |             | 15                                                              | M22X1.5 | 27 | 12                                      | 1/2-14 | 40.5 | 32 | 24 | 0.2433 | 315 |     |
| D7404-L15-12 |             | 15                                                              | M22X1.5 | 27 | 12                                      | 3/4-14 | 44.5 | 36 | 27 | 0.2893 | 160 |     |
| D7404-L18-06 |             | 18                                                              | M26X1.5 | 32 | 9                                       | 3/8-19 | 40.5 | 31 | 27 | 0.3112 | 315 |     |

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| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPT<br>DIN 3852-2<br>FORM C |          |      | L1   | L2 | BODY   | WT  | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|-----------------------------------------|----------|------|------|----|--------|-----|-----|
|              |       | D1                                                              | THREAD  | C1 | D2                                      | THREAD   |      |      |    |        |     |     |
| D7404-L18-08 | LIGHT | 18                                                              | M26X1.5 | 32 | 14                                      | 1/2-14   | 42.5 | 33   | 27 | 0.3177 | 160 |     |
| D7404-L18-12 |       | 18                                                              | M26X1.5 | 32 | 14                                      | 3/4-14   | 45.5 | 36   | 32 | 0.4073 | 160 |     |
| D7404-L22-08 |       | 22                                                              | M30X2.0 | 36 | 14                                      | 1/2-14   | 48.5 | 38   | 32 | 0.4577 | 160 |     |
| D7404-L22-12 |       | 22                                                              | M30X2.0 | 36 | 18                                      | 3/4-14   | 47.5 | 37   | 32 | 0.4555 | 160 |     |
| D7404-L22-16 |       | 22                                                              | M30X2.0 | 36 | 19                                      | 1-11     | 51.5 | 41   | 36 | 0.5968 | 160 |     |
| D7404-L28-12 |       | 28                                                              | M36X2.0 | 41 | 19                                      | 3/4-14   | 49   | 38   | 41 | 0.594  | 160 |     |
| D7404-L28-16 |       | 28                                                              | M36X2.0 | 41 | 24                                      | 1-11     | 51   | 40   | 41 | 0.6309 | 160 |     |
| D7404-L28-20 |       | 28                                                              | M36X2.0 | 41 | 24                                      | 1-1/4-11 | 54   | 43   | 46 | 0.8764 | 160 |     |
| D7404-L35-16 |       | 35                                                              | M45X2.0 | 50 | 19                                      | 1-11     | 57   | 45   | 46 | 0.9483 | 160 |     |
| D7404-L35-20 |       | 35                                                              | M45X2.0 | 50 | 30                                      | 1-1/4-11 | 57   | 45   | 46 | 0.9513 | 160 |     |
| D7404-L35-24 |       | 35                                                              | M45X2.0 | 50 | 30                                      | 1-1/2-11 | 61   | 49   | 50 | 1.2329 | 160 |     |
| D7404-L42-20 |       | 42                                                              | M52X2.0 | 60 | 30                                      | 1-1/4-11 | 59   | 47   | 55 | 1.3527 | 160 |     |
| D7404-L42-24 | HEAVY | 42                                                              | M52X2.0 | 60 | 36                                      | 1-1/2-11 | 61   | 49   | 55 | 1.3706 | 160 |     |
| D7404-S06-04 |       | 6                                                               | M14X1.5 | 17 | 4                                       | 1/4-19   | 38   | 30   | 17 | 0.1198 | 630 |     |
| D7404-S08-04 |       | 8                                                               | M16X1.5 | 19 | 5                                       | 1/4-19   | 37   | 29   | 17 | 0.1273 | 630 |     |
| D7404-S10-06 |       | 10                                                              | M18X1.5 | 22 | 7                                       | 3/8-19   | 41   | 32   | 19 | 0.1877 | 630 |     |
| D7404-S12-06 |       | 12                                                              | M20X1.5 | 24 | 8                                       | 3/8-19   | 43   | 34   | 22 | 0.2266 | 630 |     |
| D7404-S12-08 |       | 12                                                              | M20X1.5 | 24 | 8                                       | 1/2-14   | 43   | 34   | 22 | 0.2491 | 630 |     |
| D7404-S14-06 |       | 14                                                              | M22X1.5 | 27 | 8                                       | 3/8-19   | 44.5 | 34.5 | 24 | 0.2872 | 630 |     |
| D7404-S14-08 |       | 14                                                              | M22X1.5 | 27 | 10                                      | 1/2-14   | 45   | 35   | 24 | 0.3028 | 630 |     |
| D7404-S16-06 |       | 16                                                              | M24X1.5 | 30 | 9                                       | 3/8-19   | 42   | 32   | 27 | 0.3201 | 400 |     |
| D7404-S16-08 |       | 16                                                              | M24X1.5 | 30 | 12                                      | 1/2-14   | 48   | 38   | 27 | 0.37   | 400 |     |
| D7404-S20-08 |       | 20                                                              | M30X2.0 | 36 | 12                                      | 1/2-14   | 55   | 43   | 32 | 0.57   | 400 |     |
| D7404-S20-12 |       | 20                                                              | M30X2.0 | 36 | 16                                      | 3/4-14   | 56   | 44   | 32 | 0.6006 | 250 |     |
| D7404-S25-16 |       | 25                                                              | M36X2.0 | 46 | 20                                      | 1-11     | 64   | 51   | 41 | 1.0604 | 250 |     |
| D7404-S30-20 |       | 30                                                              | M42X2.0 | 50 | 25                                      | 1-1/4-11 | 71   | 57   | 50 | 1.5866 | 250 |     |

# D7405

MBT-FBSPP STRAIGHT (GAIV R)



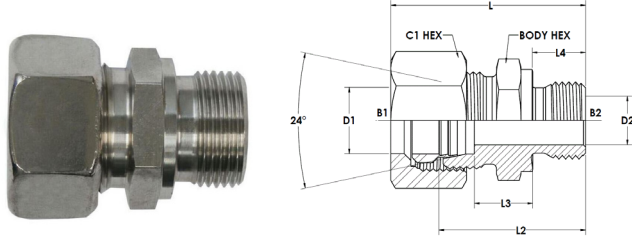
|              |       | <i>B1</i><br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         | <i>B2</i><br>FEMALE BSPP (G)<br>ISO 1179, ISO 8434-<br>6, BS 5200 |        |      |      |      |        |     |              |       | <i>B1</i><br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         | <i>B2</i><br>FEMALE BSPP (G)<br>ISO 1179, ISO 8434-<br>6, BS 5200 |          |      |      |      |        |     |
|--------------|-------|------------------------------------------------------------------------|---------|-------------------------------------------------------------------|--------|------|------|------|--------|-----|--------------|-------|------------------------------------------------------------------------|---------|-------------------------------------------------------------------|----------|------|------|------|--------|-----|
| Part #       | CODE  | D1                                                                     | THREAD  | C1                                                                | THREAD | L1   | L2   | BODY | WT     | BAR | Part #       | CODE  | D1                                                                     | THREAD  | C1                                                                | THREAD   | L1   | L2   | BODY | WT     | BAR |
| D7405-L06-02 | LIGHT | 6                                                                      | M12X1.5 | 14                                                                | 1/8-28 | 34   | 26   | 14   | 0.0741 | 315 | D7405-L28-20 | LIGHT | 28                                                                     | M36X2.0 | 41                                                                | 1-1/4-11 | 56.5 | 45.5 | 55   | 1.1763 | 160 |
| D7405-L06-04 |       | 6                                                                      | M12X1.5 | 14                                                                | 1/4-19 | 39   | 31   | 19   | 0.1219 | 315 | D7405-L35-20 |       | 35                                                                     | M45X2.0 | 50                                                                | 1-1/4-11 | 63.5 | 51.5 | 55   | 1.4871 | 160 |
| D7405-L06-08 |       | 6                                                                      | M12X1.5 | 14                                                                | 1/2-14 | 44   | 36   | 27   | 0.2265 | 315 | D7405-L42-24 |       | 42                                                                     | M52X2.0 | 60                                                                | 1-1/2-11 | 65.5 | 53.5 | 60   | 1.8442 | 160 |
| D7405-L08-02 |       | 8                                                                      | M14X1.5 | 17                                                                | 1/8-28 | 34   | 26   | 14   | 0.0886 | 315 | D7405-S06-04 | HEAVY | 6                                                                      | M14X1.5 | 17                                                                | 1/4-19   | 41   | 33   | 19   | 0.1513 | 400 |
| D7405-L08-04 |       | 8                                                                      | M14X1.5 | 17                                                                | 1/4-19 | 39   | 31   | 19   | 0.1365 | 315 | D7405-S08-04 |       | 8                                                                      | M16X1.5 | 19                                                                | 1/4-19   | 41   | 33   | 19   | 0.1644 | 400 |
| D7405-L08-06 |       | 8                                                                      | M14X1.5 | 17                                                                | 3/8-19 | 39   | 31   | 24   | 0.1824 | 315 | D7405-S10-06 |       | 10                                                                     | M18X1.5 | 22                                                                | 3/8-19   | 43   | 34   | 24   | 0.2461 | 400 |
| D7405-L08-08 |       | 8                                                                      | M14X1.5 | 17                                                                | 1/2-14 | 44   | 36   | 27   | 0.2406 | 315 | D7405-S12-04 |       | 12                                                                     | M20X1.5 | 24                                                                | 1/4-19   | 42   | 33   | 22   | 0.2456 | 400 |
| D7405-L10-04 |       | 10                                                                     | M16X1.5 | 19                                                                | 1/4-19 | 40   | 32   | 19   | 0.1496 | 315 | D7405-S12-06 |       | 12                                                                     | M20X1.5 | 24                                                                | 3/8-19   | 43   | 34   | 24   | 0.2608 | 400 |
| D7405-L10-06 |       | 10                                                                     | M16X1.5 | 19                                                                | 3/8-19 | 40   | 32   | 24   | 0.1955 | 315 | D7405-S12-08 |       | 12                                                                     | M20X1.5 | 24                                                                | 1/2-14   | 47   | 38   | 27   | 0.3105 | 400 |
| D7405-L10-08 |       | 10                                                                     | M16X1.5 | 19                                                                | 1/2-14 | 45   | 37   | 27   | 0.253  | 315 | D7405-S14-08 |       | 14                                                                     | M22X1.5 | 27                                                                | 1/2-14   | 50   | 40   | 27   | 0.367  | 400 |
| D7405-L12-04 |       | 12                                                                     | M18X1.5 | 22                                                                | 1/4-19 | 41   | 33   | 19   | 0.176  | 315 | D7405-S16-08 |       | 16                                                                     | M24X1.5 | 30                                                                | 1/2-14   | 50   | 40   | 27   | 0.4002 | 400 |
| D7405-L12-06 |       | 12                                                                     | M18X1.5 | 22                                                                | 3/8-19 | 41   | 33   | 24   | 0.2207 | 315 | D7405-S20-08 |       | 20                                                                     | M30X2.0 | 36                                                                | 1/2-14   | 57   | 45   | 36   | 0.7972 | 315 |
| D7405-L12-08 |       | 12                                                                     | M18X1.5 | 22                                                                | 1/2-14 | 45   | 37   | 27   | 0.27   | 315 | D7405-S20-12 |       | 20                                                                     | M30X2.0 | 36                                                                | 3/4-14   | 57   | 45   | 36   | 0.7249 | 315 |
| D7405-L15-06 |       | 15                                                                     | M22X1.5 | 27                                                                | 3/8-19 | 42.5 | 34   | 24   | 0.2745 | 315 | D7405-S25-12 |       | 25                                                                     | M36X2.0 | 46                                                                | 3/4-14   | 60   | 47   | 41   | 1.1796 | 315 |
| D7405-L15-08 |       | 15                                                                     | M22X1.5 | 27                                                                | 1/2-14 | 46.5 | 38   | 27   | 0.3232 | 315 | D7405-S25-16 |       | 25                                                                     | M36X2.0 | 46                                                                | 1-11     | 62.5 | 49.5 | 41   | 1.1106 | 315 |
| D7405-L18-08 |       | 18                                                                     | M26X1.5 | 32                                                                | 1/2-14 | 47.5 | 38   | 27   | 0.3812 | 315 | D7405-S25-20 |       | 25                                                                     | M36X2.0 | 46                                                                | 1-1/4-11 | 62.5 | 49.5 | 55   | 1.5108 | 315 |
| D7405-L22-12 |       | 22                                                                     | M30X2.0 | 36                                                                | 3/4-14 | 53.5 | 43   | 36   | 0.6369 | 160 | D7405-S30-16 |       | 30                                                                     | M42X2.0 | 50                                                                | 1-11     | 64   | 50   | 50   | 1.5558 | 315 |
| D7405-L22-16 |       | 22                                                                     | M30X2.0 | 36                                                                | 1-11   | 56   | 45.5 | 41   | 0.7338 | 160 | D7405-S30-20 |       | 30                                                                     | M42X2.0 | 50                                                                | 1-1/4-11 | 69.5 | 55.5 | 55   | 1.7683 | 315 |
| D7405-L28-16 |       | 28                                                                     | M36X2.0 | 41                                                                | 1-11   | 56.5 | 45.5 | 41   | 0.7712 | 160 | D7405-S38-24 |       | 38                                                                     | M52X2.0 | 60                                                                | 1-1/2-11 | 75   | 59.5 | 60   | 2.2913 | 250 |

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# D8400-CF

MBT-MM CF STRAIGHT

METRIC ISO 9974 FORM B METAL SEALING EDGE (GEV M)



| Part #          | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>FORM B<br>ISO 9974 |         |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|-------------|-----------------------------------------------------------------|---------|----|-----------------------------------------|---------|------|------|----|--------|-----|-----|
|                 |             | D1                                                              | THREAD  | C1 | D2                                      | THREAD  |      |      |    |        |     |     |
| D8400-E04-06-CF | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 2                                       | M06X1.0 | 27.5 | 21.5 | 11 | 0.028  | 100 |     |
| D8400-E04-08-CF |             | 4                                                               | M08X1.0 | 10 | 3                                       | M08X1.0 | 27.5 | 21.5 | 12 | 0.0319 | 100 |     |
| D8400-E06-06-CF |             | 6                                                               | M10X1.0 | 12 | 2                                       | M06X1.0 | 27.5 | 21.5 | 11 | 0.0336 | 100 |     |
| D8400-E06-08-CF |             | 6                                                               | M10X1.0 | 12 | 3                                       | M08X1.0 | 27.5 | 21.5 | 12 | 0.0376 | 100 |     |
| D8400-E06-10-CF |             | 6                                                               | M10X1.0 | 12 | 4                                       | M10X1.0 | 27.5 | 21.5 | 14 | 0.0439 | 100 |     |
| D8400-E08-10-CF |             | 8                                                               | M12X1.0 | 14 | 5                                       | M10X1.0 | 28.5 | 22.5 | 14 | 0.0502 | 100 |     |
| D8400-L06-10-CF | LIGHT       | 6                                                               | M12X1.5 | 14 | 4                                       | M10X1.0 | 31.5 | 23.5 | 14 | 0.0629 | 315 |     |
| D8400-L06-12-CF |             | 6                                                               | M12X1.5 | 14 | 4                                       | M12X1.5 | 37   | 29   | 17 | 0.0863 | 315 |     |
| D8400-L06-14-CF |             | 6                                                               | M12X1.5 | 14 | 4                                       | M14X1.5 | 38   | 30   | 19 | 0.1067 | 315 |     |
| D8400-L08-10-CF |             | 8                                                               | M14X1.5 | 17 | 4                                       | M10X1.0 | 31.5 | 23.5 | 14 | 0.0794 | 315 |     |
| D8400-L08-12-CF |             | 8                                                               | M14X1.5 | 17 | 6                                       | M12X1.5 | 37   | 29   | 17 | 0.097  | 315 |     |
| D8400-L08-14-CF |             | 8                                                               | M14X1.5 | 17 | 6                                       | M14X1.5 | 38   | 30   | 19 | 0.1171 | 315 |     |
| D8400-L08-16-CF |             | 8                                                               | M14X1.5 | 17 | 6                                       | M16X1.5 | 38   | 30   | 22 | 0.1395 | 315 |     |
| D8400-L08-18-CF |             | 8                                                               | M14X1.5 | 17 | 6                                       | M18X1.5 | 38.5 | 30.5 | 24 | 0.164  | 315 |     |
| D8400-L10-10-CF |             | 10                                                              | M16X1.5 | 19 | 4                                       | M10X1.0 | 33.5 | 25.5 | 17 | 0.1055 | 315 |     |
| D8400-L10-12-CF |             | 10                                                              | M16X1.5 | 19 | 6                                       | M12X1.5 | 38   | 30   | 17 | 0.1132 | 315 |     |
| D8400-L10-14-CF |             | 10                                                              | M16X1.5 | 19 | 7                                       | M14X1.5 | 38   | 30   | 19 | 0.1244 | 315 |     |
| D8400-L10-16-CF |             | 10                                                              | M16X1.5 | 19 | 8                                       | M16X1.5 | 39.5 | 31.5 | 22 | 0.1498 | 315 |     |
| D8400-L10-18-CF |             | 10                                                              | M16X1.5 | 19 | 8                                       | M18X1.5 | 39.5 | 31.5 | 24 | 0.1709 | 315 |     |
| D8400-L10-22-CF |             | 10                                                              | M16X1.5 | 19 | 8                                       | M22X1.5 | 42   | 34   | 27 | 0.2322 | 315 |     |
| D8400-L12-12-CF |             | 12                                                              | M18X1.5 | 22 | 6                                       | M12X1.5 | 38   | 30   | 19 | 0.1366 | 315 |     |
| D8400-L12-14-CF |             | 12                                                              | M18X1.5 | 22 | 7                                       | M14X1.5 | 38   | 30   | 19 | 0.1464 | 315 |     |
| D8400-L12-16-CF |             | 12                                                              | M18X1.5 | 22 | 9                                       | M16X1.5 | 39.5 | 31.5 | 22 | 0.1662 | 315 |     |
| D8400-L12-18-CF |             | 12                                                              | M18X1.5 | 22 | 10                                      | M18X1.5 | 39.5 | 31.5 | 24 | 0.181  | 315 |     |
| D8400-L12-20-CF |             | 12                                                              | M18X1.5 | 22 |                                         | M20X1.5 | 43   | 35   | 27 | 0.2321 | 315 |     |
| D8400-L12-22-CF |             | 12                                                              | M18X1.5 | 22 | 10                                      | M22X1.5 | 42   | 34   | 27 | 0.241  | 315 |     |
| D8400-L15-16-CF |             | 15                                                              | M22X1.5 | 27 | 9                                       | M16X1.5 | 40.5 | 32   | 24 | 0.2315 | 250 |     |
| D8400-L15-18-CF |             | 15                                                              | M22X1.5 | 27 | 11                                      | M18X1.5 | 41   | 32.5 | 24 | 0.2337 | 250 |     |
| D8400-L15-22-CF |             | 15                                                              | M22X1.5 | 27 | 12                                      | M22X1.5 | 43.5 | 35   | 27 | 0.2843 | 250 |     |
| D8400-L15-26-CF |             | 15                                                              | M22X1.5 | 27 |                                         | M26X1.5 | 46.5 | 38   | 32 | 0.383  | 250 |     |

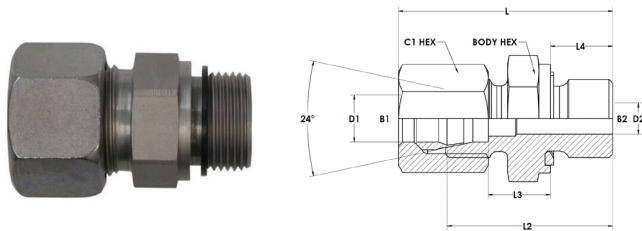
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| Part #          | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>FORM B<br>ISO 9974 |         |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|-------|-----------------------------------------------------------------|---------|----|-----------------------------------------|---------|------|------|----|--------|-----|-----|
|                 |       | D1                                                              | THREAD  | C1 | D2                                      | THREAD  |      |      |    |        |     |     |
| D8400-L18-18-CF | LIGHT | 18                                                              | M26X1.5 | 32 | 11                                      | M18X1.5 | 43   | 33.5 | 27 | 0.3135 | 250 |     |
| D8400-L18-22-CF |       | 18                                                              | M26X1.5 | 32 | 14                                      | M22X1.5 | 45.5 | 36   | 27 | 0.343  | 250 |     |
| D8400-L18-26-CF |       | 18                                                              | M26X1.5 | 32 | 15                                      | M26X1.5 | 47.5 | 38   | 32 | 0.4195 | 250 |     |
| D8400-L22-22-CF |       | 22                                                              | M30X2.0 | 36 | 14                                      | M22X1.5 | 48.5 | 38   | 32 | 0.4442 | 250 |     |
| D8400-L22-26-CF |       | 22                                                              | M30X2.0 | 36 | 18                                      | M26X1.5 | 50.5 | 40   | 32 | 0.4619 | 250 |     |
| D8400-L22-27-CF |       | 22                                                              | M30X2.0 | 36 |                                         | M27X2.0 | 50.5 | 40   | 32 | 0.4921 | 250 |     |
| D8400-L28-33-CF | HEAVY | 28                                                              | M36X2.0 | 41 | 23                                      | M33X2.0 | 54   | 43   | 41 | 0.6555 | 160 |     |
| D8400-L35-42-CF |       | 35                                                              | M45X2.0 | 50 | 30                                      | M42X2.0 | 60   | 48   | 50 | 1.049  | 160 |     |
| D8400-L42-48-CF |       | 42                                                              | M52X2.0 | 60 | 36                                      | M48X2.0 | 64   | 52   | 55 | 1.4248 | 160 |     |
| D8400-S06-12-CF |       | 6                                                               | M14X1.5 | 17 | 4                                       | M12X1.5 | 40   | 32   | 17 | 0.1199 | 400 |     |
| D8400-S06-14-CF |       | 6                                                               | M14X1.5 | 17 | 4                                       | M14X1.5 | 40   | 32   | 19 | 0.1362 | 400 |     |
| D8400-S08-14-CF |       | 8                                                               | M16X1.5 | 19 | 5                                       | M14X1.5 | 42   | 34   | 19 | 0.1576 | 400 |     |
| D8400-S08-16-CF |       | 8                                                               | M16X1.5 | 19 | 5                                       | M16X1.5 | 42   | 34   | 22 | 0.1836 | 400 |     |
| D8400-S10-14-CF |       | 10                                                              | M18X1.5 | 22 | 5                                       | M14X1.5 | 43.5 | 34.5 | 19 | 0.191  | 400 |     |
| D8400-S10-16-CF |       | 10                                                              | M18X1.5 | 22 | 7                                       | M16X1.5 | 43.5 | 34.5 | 22 | 0.2092 | 400 |     |
| D8400-S10-18-CF |       | 10                                                              | M18X1.5 | 22 | 7                                       | M18X1.5 | 45.5 | 36.5 | 24 | 0.2489 | 400 |     |
| D8400-S12-14-CF |       | 12                                                              | M20X1.5 | 24 | 5                                       | M14X1.5 | 45   | 36   | 22 | 0.2334 | 400 |     |
| D8400-S12-16-CF |       | 12                                                              | M20X1.5 | 24 | 7                                       | M16X1.5 | 45   | 36   | 22 | 0.2346 | 400 |     |
| D8400-S12-18-CF |       | 12                                                              | M20X1.5 | 24 | 8                                       | M18X1.5 | 45.5 | 36.5 | 24 | 0.2596 | 400 |     |
| D8400-S12-22-CF |       | 12                                                              | M20X1.5 | 24 | 8                                       | M22X1.5 | 48   | 39   | 27 | 0.3299 | 400 |     |
| D8400-S14-20-CF |       | 14                                                              | M22X1.5 | 27 | 10                                      | M20X1.5 | 51   | 41   | 27 | 0.358  | 400 |     |
| D8400-S16-18-CF |       | 16                                                              | M24X1.5 | 30 | 8                                       | M18X1.5 | 48.5 | 38.5 | 27 | 0.3782 | 400 |     |
| D8400-S16-22-CF |       | 16                                                              | M24X1.5 | 30 | 12                                      | M22X1.5 | 51   | 41   | 27 | 0.3973 | 400 |     |
| D8400-S20-22-CF |       | 20                                                              | M30X2.0 | 36 | 12                                      | M22X1.5 | 57   | 45   | 32 | 0.6052 | 400 |     |
| D8400-S20-27-CF |       | 20                                                              | M30X2.0 | 36 | 16                                      | M27X2.0 | 59   | 47   | 32 | 0.6301 | 250 |     |
| D8400-S25-33-CF |       | 25                                                              | M36X2.0 | 46 | 20                                      | M33X2.0 | 66   | 53   | 41 | 1.144  | 250 |     |
| D8400-S30-33-CF |       | 30                                                              | M42X2.0 | 50 | 20                                      | M33X2.0 | 69   | 55   | 46 | 1.3556 | 160 |     |
| D8400-S30-42-CF |       | 30                                                              | M42X2.0 | 50 | 25                                      | M42X2.0 | 71   | 57   | 50 | 1.5608 | 160 |     |
| D8400-S38-33-CF |       | 38                                                              | M52X2.0 | 60 |                                         | M33X2.0 | 79.5 | 64   | 55 | 2.2069 | 160 |     |
| D8400-S38-48-CF |       | 38                                                              | M52X2.0 | 60 | 32                                      | M48X2.0 | 79.5 | 64   | 55 | 2.1613 | 160 |     |

# D8400-ED

MBT-MM ED STRAIGHT

METRIC ISO 9974-2 FORM E ELASTOMERIC SEAL DIN 3869 (GEV M - WD)



| Part #          | CODE | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>FORM E<br>CAPTIVE SEAL<br>ISO 9974, ISO<br>6149, DIN<br>7631 |         |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|------|---------------------------------------------------------------------|---------|----|-----------------------------------------------------------------------------------|---------|------|------|----|--------|-----|-----|
|                 |      | D1                                                                  | THREAD  | C1 | D2                                                                                | THREAD  |      |      |    |        |     |     |
| D8400-L06-10-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                 | M10X1.0 | 31.5 | 23.5 | 14 | 0.0621 | 500 |     |
| D8400-L06-12-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                 | M12X1.5 | 37   | 29   | 17 | 0.0846 | 500 |     |
| D8400-L06-14-ED |      | 6                                                                   | M12X1.5 | 14 | 4                                                                                 | M14X1.5 | 37   | 29   | 19 | 0.0996 | 500 |     |
| D8400-L06-18-ED |      | 6                                                                   | M12X1.5 | 14 |                                                                                   | M18X1.5 | 38.5 | 30.5 | 24 | 0.1316 | 500 |     |
| D8400-L08-10-ED |      | 8                                                                   | M14X1.5 | 17 | 4                                                                                 | M10X1.0 | 31.5 | 23.5 | 14 | 0.0786 | 500 |     |
| D8400-L08-12-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                 | M12X1.5 | 37   | 29   | 17 | 0.0953 | 500 |     |
| D8400-L08-14-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                 | M14X1.5 | 37   | 29   | 19 | 0.1103 | 500 |     |
| D8400-L08-16-ED |      | 8                                                                   | M14X1.5 | 17 | 6                                                                                 | M16X1.5 | 38   | 30   | 22 | 0.1382 | 500 |     |
| D8400-L08-18-ED |      | 8                                                                   | M14X1.5 | 17 |                                                                                   | M18X1.5 | 38.5 | 30.5 | 24 | 0.146  | 500 |     |
| D8400-L08-22-ED |      | 8                                                                   | M14X1.5 | 17 |                                                                                   | M22X1.5 | 41   | 33   | 27 | 0.2231 | 500 |     |
| D8400-L10-10-ED |      | 10                                                                  | M16X1.5 | 19 | 4                                                                                 | M10X1.0 | 34   | 26   | 17 | 0.1031 | 500 |     |
| D8400-L10-12-ED |      | 10                                                                  | M16X1.5 | 19 | 6                                                                                 | M12X1.5 | 38   | 30   | 17 | 0.1114 | 500 |     |
| D8400-L10-14-ED |      | 10                                                                  | M16X1.5 | 19 | 7                                                                                 | M14X1.5 | 38   | 30   | 19 | 0.1224 | 500 |     |
| D8400-L10-16-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                 | M16X1.5 | 39.5 | 31.5 | 22 | 0.1485 | 500 |     |
| D8400-L10-18-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                 | M18X1.5 | 39.5 | 31.5 | 24 | 0.1697 | 400 |     |
| D8400-L10-22-ED |      | 10                                                                  | M16X1.5 | 19 | 8                                                                                 | M22X1.5 | 42   | 34   | 27 | 0.1992 | 400 |     |
| D8400-L12-12-ED |      | 12                                                                  | M18X1.5 | 22 | 6                                                                                 | M12X1.5 | 38   | 30   | 19 | 0.1338 | 400 |     |
| D8400-L12-14-ED |      | 12                                                                  | M18X1.5 | 22 | 7                                                                                 | M14X1.5 | 38   | 30   | 19 | 0.1443 | 400 |     |
| D8400-L12-16-ED |      | 12                                                                  | M18X1.5 | 22 | 9                                                                                 | M16X1.5 | 39.5 | 31.5 | 22 | 0.1648 | 400 |     |
| D8400-L12-18-ED |      | 12                                                                  | M18X1.5 | 22 | 10                                                                                | M18X1.5 | 39.5 | 31.5 | 24 | 0.1797 | 400 |     |
| D8400-L12-22-ED |      | 12                                                                  | M18X1.5 | 22 | 8                                                                                 | M22X1.5 | 42   | 34   | 27 | 0.2164 | 400 |     |
| D8400-L15-14-ED |      | 15                                                                  | M22X1.5 | 27 | 7                                                                                 | M14X1.5 | 41   | 32.5 | 24 | 0.2239 | 400 |     |
| D8400-L15-16-ED |      | 15                                                                  | M22X1.5 | 27 | 9                                                                                 | M16X1.5 | 41   | 32.5 | 24 | 0.2336 | 400 |     |
| D8400-L15-18-ED |      | 15                                                                  | M22X1.5 | 27 | 11                                                                                | M18X1.5 | 41   | 32.5 | 24 | 0.2322 | 400 |     |
| D8400-L15-22-ED |      | 15                                                                  | M22X1.5 | 27 | 12                                                                                | M22X1.5 | 43.5 | 35   | 27 | 0.2809 | 400 |     |
| D8400-L18-18-ED |      | 18                                                                  | M26X1.5 | 32 | 11                                                                                | M18X1.5 | 43   | 33.5 | 27 | 0.3116 | 400 |     |
| D8400-L18-22-ED |      | 18                                                                  | M26X1.5 | 32 | 14                                                                                | M22X1.5 | 45.5 | 36   | 27 | 0.3394 | 400 |     |
| D8400-L18-26-ED |      | 18                                                                  | M26X1.5 | 32 |                                                                                   | M26X1.5 | 47.5 | 38   | 32 | 0.4175 | 400 |     |
| D8400-L22-22-ED |      | 22                                                                  | M30X2.0 | 36 | 14                                                                                | M22X1.5 | 48.5 | 38   | 32 | 0.4325 | 250 |     |
| D8400-L22-26-ED |      | 22                                                                  | M30X2.0 | 36 | 18                                                                                | M26X1.5 | 50.5 | 40   | 32 | 0.4596 | 250 |     |
| D8400-L22-27-ED |      | 22                                                                  | M30X2.0 | 36 |                                                                                   | M27X2.0 | 50.5 | 40   | 32 | 0.4664 | 250 |     |

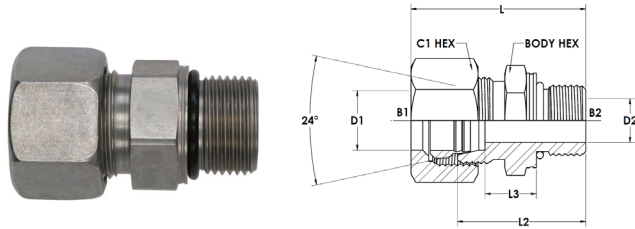
Continued...

| Part #          | CODE | B1<br>DIN METRIC TUBE<br>COMPRESSION<br><br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>FORM E<br>CAPTIVE SEAL<br>ISO 9974, ISO<br>6149, DIN<br>7631 |         |      | L1   | L2 | BODY   | WT  | BAR |
|-----------------|------|---------------------------------------------------------------------|---------|----|-----------------------------------------------------------------------------------|---------|------|------|----|--------|-----|-----|
|                 |      | D1                                                                  | THREAD  | C1 | D2                                                                                | THREAD  |      |      |    |        |     |     |
| D8400-L22-33-ED |      | 22                                                                  | M30X2.0 | 36 |                                                                                   | M33X2.0 | 53.5 | 43   | 41 | 0.6526 | 250 |     |
| D8400-L28-26-ED |      | 28                                                                  | M36X2.0 | 41 |                                                                                   | M26X1.5 | 52   | 41   | 41 | 0.593  | 250 |     |
| D8400-L28-27-ED |      | 28                                                                  | M36X2.0 | 41 |                                                                                   | M27X2.0 | 52   | 41   | 41 | 0.5999 | 250 |     |
| D8400-L28-33-ED |      | 28                                                                  | M36X2.0 | 41 | 23                                                                                | M33X2.0 | 54   | 43   | 41 | 0.6487 | 250 |     |
| D8400-L35-33-ED |      | 35                                                                  | M45X2.0 | 50 |                                                                                   | M33X2.0 | 58   | 46   | 46 | 0.8914 | 250 |     |
| D8400-L35-42-ED |      | 35                                                                  | M45X2.0 | 50 | 30                                                                                | M42X2.0 | 60   | 48   | 50 | 1.0389 | 250 |     |
| D8400-L42-48-ED |      | 42                                                                  | M52X2.0 | 60 | 36                                                                                | M48X2.0 | 64   | 52   | 55 | 1.41   | 250 |     |
| D8400-S06-12-ED |      | 6                                                                   | M14X1.5 | 17 | 4                                                                                 | M12X1.5 | 40   | 32   | 17 | 0.1182 | 630 |     |
| D8400-S08-12-ED |      | 8                                                                   | M16X1.5 | 19 | 4                                                                                 | M12X1.5 | 40   | 32   | 17 | 0.1324 | 630 |     |
| D8400-S08-14-ED |      | 8                                                                   | M16X1.5 | 19 | 5                                                                                 | M14X1.5 | 42   | 34   | 19 | 0.1555 | 630 |     |
| D8400-S10-14-ED |      | 10                                                                  | M18X1.5 | 22 | 5                                                                                 | M14X1.5 | 43.5 | 34.5 | 19 | 0.1865 | 630 |     |
| D8400-S10-16-ED |      | 10                                                                  | M18X1.5 | 22 | 7                                                                                 | M16X1.5 | 43.5 | 34.5 | 22 | 0.2077 | 630 |     |
| D8400-S12-12-ED |      | 12                                                                  | M20X1.5 | 24 | 4                                                                                 | M12X1.5 | 45.5 | 36.5 | 22 | 0.2239 | 630 |     |
| D8400-S12-14-ED |      | 12                                                                  | M20X1.5 | 24 | 5                                                                                 | M14X1.5 | 45   | 36   | 22 | 0.2311 | 630 |     |
| D8400-S12-16-ED |      | 12                                                                  | M20X1.5 | 24 | 7                                                                                 | M16X1.5 | 45   | 36   | 22 | 0.2337 | 630 |     |
| D8400-S12-18-ED |      | 12                                                                  | M20X1.5 | 24 | 8                                                                                 | M18X1.5 | 45.5 | 36.5 | 24 | 0.2581 | 630 |     |
| D8400-S12-22-ED |      | 12                                                                  | M20X1.5 | 24 | 8                                                                                 | M22X1.5 | 48   | 39   | 27 | 0.3088 | 630 |     |
| D8400-S14-20-ED |      | 14                                                                  | M22X1.5 | 27 | 10                                                                                | M20X1.5 | 51   | 41   | 27 | 0.3562 | 630 |     |
| D8400-S16-16-ED |      | 16                                                                  | M24X1.5 | 30 | 7                                                                                 | M16X1.5 | 48.5 | 38.5 | 24 | 0.343  | 400 |     |
| D8400-S16-18-ED |      | 16                                                                  | M24X1.5 | 30 | 8                                                                                 | M18X1.5 | 48.5 | 38.5 | 24 | 0.3515 | 400 |     |
| D8400-S16-22-ED |      | 16                                                                  | M24X1.5 | 30 | 12                                                                                | M22X1.5 | 51   | 41   | 27 | 0.3936 | 400 |     |
| D8400-S16-27-ED |      | 16                                                                  | M24X1.5 | 30 |                                                                                   | M27X2.0 | 53   | 43   | 32 | 0.505  | 400 |     |
| D8400-S20-22-ED |      | 20                                                                  | M30X2.0 | 36 | 12                                                                                | M22X1.5 | 57   | 45   | 32 | 0.5949 | 400 |     |
| D8400-S20-27-ED |      | 20                                                                  | M30X2.0 | 36 | 16                                                                                | M27X2.0 | 59   | 47   | 32 | 0.6241 | 400 |     |
| D8400-S20-33-ED |      | 20                                                                  | M30X2.0 | 36 |                                                                                   | M33X2.0 | 61   | 49   | 41 | 0.8581 | 400 |     |
| D8400-S25-26-ED |      | 25                                                                  | M36X2.0 | 46 |                                                                                   | M26X1.5 | 64   | 51   | 41 | 1.0753 | 400 |     |
| D8400-S25-33-ED |      | 25                                                                  | M36X2.0 | 46 | 20                                                                                | M33X2.0 | 66   | 53   | 41 | 1.1356 | 400 |     |
| D8400-S30-42-ED |      | 30                                                                  | M42X2.0 | 50 | 25                                                                                | M42X2.0 | 71   | 57   | 50 | 1.5493 | 400 |     |
| D8400-S38-33-ED |      | 38                                                                  | M52X2.0 | 60 |                                                                                   | M33X2.0 | 75.5 | 60   | 55 | 2.0211 | 400 |     |
| D8400-S38-48-ED |      | 38                                                                  | M52X2.0 | 60 | 32                                                                                | M48X2.0 | 79.5 | 64   | 55 | 2.1437 | 400 |     |

# D8400-ISO 6149

MBT-MM ISO 6149 STRAIGHT

METRIC ISO 6149 THREAD ISO 3601 O-RING (GEV M - ODR)

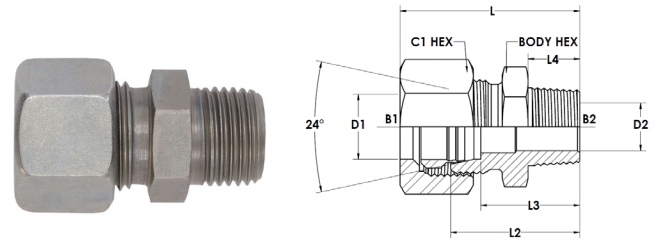


| Part #                  | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         | B2<br>MALE METRIC<br>ISO 6149<br>O-RING<br>ISO 6149 |     | L1      | L2   | BODY | WT | BAR        |
|-------------------------|-------|-----------------------------------------------------------------|---------|-----------------------------------------------------|-----|---------|------|------|----|------------|
|                         |       | D1                                                              | THREAD  | C1                                                  | D2  |         |      |      |    |            |
| D8400-L06-10-O-ISO 6149 | LIGHT | 6                                                               | M12X1.5 | 14                                                  | 4   | M10X1.0 | 33   | 25   | 14 | 0.0661 400 |
| D8400-L08-12-O-ISO 6149 |       | 8                                                               | M14X1.5 | 17                                                  | 6   | M12X1.5 | 36   | 28   | 17 | 0.0948 400 |
| D8400-L10-14-O-ISO 6149 |       | 10                                                              | M16X1.5 | 19                                                  | 7.5 | M14X1.5 | 37   | 29   | 19 | 0.119 400  |
| D8400-L12-16-O-ISO 6149 |       | 12                                                              | M18X1.5 | 22                                                  | 9   | M16X1.5 | 39   | 31   | 22 | 0.1653 400 |
| D8400-L12-18-O-ISO 6149 |       | 12                                                              | M18X1.5 | 22                                                  | 10  | M18X1.5 | 41   | 33   | 24 | 0.1896 400 |
| D8400-L15-18-O-ISO 6149 |       | 15                                                              | M22X1.5 | 27                                                  | 11  | M18X1.5 | 41.5 | 33   | 24 | 0.2359 400 |
| D8400-L15-22-O-ISO 6149 |       | 15                                                              | M22X1.5 | 27                                                  | 12  | M22X1.5 | 43.5 | 35   | 27 | 0.2888 400 |
| D8400-L18-22-O-ISO 6149 |       | 18                                                              | M26X1.5 | 32                                                  | 14  | M22X1.5 | 44.5 | 35   | 27 | 0.3395 400 |
| D8400-L22-27-O-ISO 6149 |       | 22                                                              | M30X2.0 | 36                                                  | 18  | M27X2.0 | 50.5 | 40   | 32 | 0.4718 250 |
| D8400-L28-33-O-ISO 6149 |       | 28                                                              | M36X2.0 | 41                                                  | 23  | M33X2.0 | 52   | 41   | 41 | 0.6437 250 |
| D8400-L35-42-O-ISO 6149 |       | 35.3                                                            | M45X2.0 | 50                                                  | 30  | M42X2.0 | 56   | 44   | 50 | 1.0053 250 |
| D8400-L42-48-O-ISO 6149 |       | 42.3                                                            | M52X2.0 | 60                                                  | 36  | M48X2.0 | 59.5 | 47.5 | 55 | 1.3625 250 |
| D8400-S06-12-O-ISO 6149 | HEAVY | 6                                                               | M14X1.5 | 17                                                  | 4   | M12X1.5 | 39   | 31   | 17 | 0.1168 630 |
| D8400-S08-12-O-ISO 6149 |       | 8                                                               | M16X1.5 | 19                                                  | 4   | M12X1.5 | 40   | 32   | 17 | 0.1367 630 |
| D8400-S08-14-O-ISO 6149 |       | 8                                                               | M16X1.5 | 19                                                  | 5   | M14X1.5 | 41   | 33   | 19 | 0.1543 630 |
| D8400-S10-14-O-ISO 6149 |       | 10                                                              | M18X1.5 | 22                                                  | 6   | M14X1.5 | 42.5 | 33.5 | 19 | 0.183 630  |
| D8400-S10-16-O-ISO 6149 |       | 10                                                              | M18X1.5 | 22                                                  | 7   | M16X1.5 | 44   | 35   | 22 | 0.2116 630 |
| D8400-S12-18-O-ISO 6149 |       | 12                                                              | M20X1.5 | 24                                                  | 8   | M18X1.5 | 47.5 | 38.5 | 24 | 0.2668 630 |
| D8400-S16-22-O-ISO 6149 |       | 16                                                              | M24X1.5 | 30                                                  | 12  | M22X1.5 | 52   | 42   | 27 | 0.4012 630 |
| D8400-S20-27-O-ISO 6149 |       | 20                                                              | M30X2.0 | 36                                                  | 15  | M27X2.0 | 61.5 | 49.5 | 32 | 0.6614 400 |
| D8400-S25-33-O-ISO 6149 |       | 25                                                              | M36X2.0 | 46                                                  | 20  | M33X2.0 | 66.5 | 53.5 | 41 | 1.153 400  |
| D8400-S30-42-O-ISO 6149 |       | 30                                                              | M42X2.0 | 50                                                  | 25  | M42X2.0 | 70   | 56   | 50 | 1.5476 400 |
| D8400-S38-48-O-ISO 6149 |       | 38.3                                                            | M52X2.0 | 60                                                  | 32  | M48X2.0 | 78.5 | 63   | 55 | 2.1341 400 |

# D8404

MBT-MMT STRAIGHT

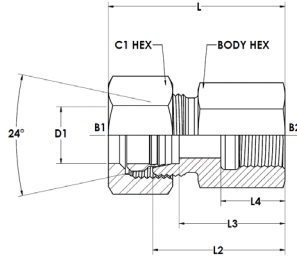
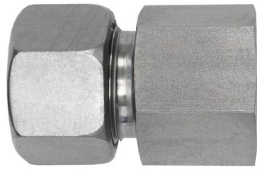
MMT (MALE METRIC TAPERED) (GEV M - KEG)



| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         | B2<br>MALE METRIC<br>TAPERED<br>DIN 3852-1<br>FORM C |     | L1      | L2   | BODY | WT | BAR        |
|--------------|-------------|-----------------------------------------------------------------|---------|------------------------------------------------------|-----|---------|------|------|----|------------|
|              |             | D1                                                              | THREAD  | C1                                                   | D2  |         |      |      |    |            |
| D8404-E04-06 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10                                                   | 2.5 | M06X1.0 | 26   | 20   | 9  | 0.0238 100 |
| D8404-E04-08 |             | 4                                                               | M08X1.0 | 10                                                   | 3   | M08X1.0 | 26   | 20   | 10 | 0.0273 100 |
| D8404-E04-10 |             | 4                                                               | M08X1.0 | 10                                                   | 3   | M10X1.0 | 26   | 20   | 11 | 0.0325 100 |
| D8404-E06-06 |             | 6                                                               | M10X1.0 | 12                                                   | 2   | M06X1.0 | 26   | 20   | 11 | 0.0323 100 |
| D8404-E06-08 |             | 6                                                               | M10X1.0 | 12                                                   | 4.5 | M08X1.0 | 26   | 20   | 11 | 0.0322 100 |
| D8404-E06-10 |             | 6                                                               | M10X1.0 | 12                                                   | 4   | M10X1.0 | 26   | 20   | 11 | 0.0361 100 |
| D8404-E08-08 |             | 8                                                               | M12X1.0 | 14                                                   | 3   | M08X1.0 | 28   | 22   | 12 | 0.0435 100 |
| D8404-E08-10 |             | 8                                                               | M12X1.0 | 14                                                   | 6   | M10X1.0 | 28   | 22   | 12 | 0.044 100  |
| D8404-L06-10 | LIGHT       | 6                                                               | M12X1.5 | 14                                                   | 4   | M10X1.0 | 31   | 23   | 14 | 0.0631 315 |
| D8404-L06-12 |             | 6                                                               | M12X1.5 | 14                                                   | 4   | M12X1.5 | 35   | 27   | 14 | 0.075 315  |
| D8404-L08-12 |             | 8                                                               | M14X1.5 | 17                                                   | 6   | M12X1.5 | 35   | 27   | 14 | 0.0862 315 |
| D8404-L08-14 |             | 8                                                               | M14X1.5 | 17                                                   | 6   | M14X1.5 | 35   | 27   | 17 | 0.1017 315 |
| D8404-L10-14 |             | 10                                                              | M16X1.5 | 19                                                   | 7   | M14X1.5 | 36   | 28   | 17 | 0.1141 315 |
| D8404-L10-16 |             | 10                                                              | M16X1.5 | 19                                                   | 8   | M16X1.5 | 36   | 28   | 17 | 0.1194 315 |
| D8404-L12-16 |             | 12                                                              | M18X1.5 | 22                                                   | 9   | M16X1.5 | 37   | 29   | 19 | 0.1465 315 |
| D8404-L12-18 |             | 12                                                              | M18X1.5 | 22                                                   | 10  | M18X1.5 | 37   | 29   | 19 | 0.1519 315 |
| D8404-L18-22 |             | 18                                                              | M26X1.5 | 32                                                   | 14  | M22X1.5 | 42.5 | 33   | 27 | 0.3274 315 |

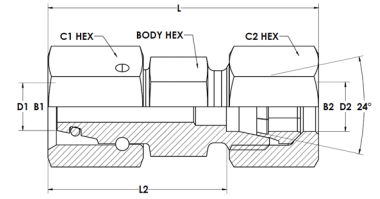
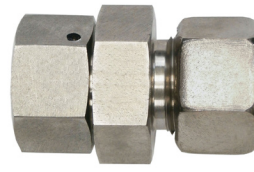
# D8405

MBT-FM STRAIGHT (GAIV M)



# D6504-EQUAL

FMS-MBT STRAIGHT (GEDV)

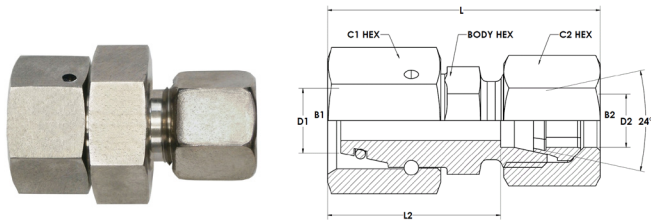


| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>FEMALE METRIC<br>ISO 9974-1 |      |      | BODY | WT     | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|-----------------------------------|------|------|------|--------|-----|
|              |       | D1                                                              | THREAD  | C1 | THREAD                            | L1   | L2   |      |        |     |
| D8405-L06-10 | LIGHT | 6                                                               | M12X1.5 | 14 | M10X1.0                           | 34.5 | 26.5 | 14   | 0.0737 | 315 |
| D8405-L08-12 |       | 8                                                               | M14X1.5 | 17 | M12X1.5                           | 39   | 31   | 17   | 0.1188 | 315 |
| D8405-L10-12 |       | 10                                                              | M16X1.5 | 19 | M12X1.5                           | 40   | 32   | 17   | 0.1319 | 315 |
| D8405-L10-14 |       | 10                                                              | M16X1.5 | 19 | M14X1.5                           | 40   | 32   | 19   | 0.1439 | 315 |
| D8405-L12-16 |       | 12                                                              | M18X1.5 | 22 | M16X1.5                           | 41   | 33   | 22   | 0.1937 | 315 |
| D8405-L12-18 |       | 12                                                              | M18X1.5 | 22 | M18X1.5                           | 41   | 33   | 24   | 0.2096 | 315 |
| D8405-L15-18 |       | 15                                                              | M22X1.5 | 27 | M18X1.5                           | 43.5 | 35   | 24   | 0.27   | 315 |
| D8405-L18-22 |       | 18                                                              | M26X1.5 | 32 | M22X1.5                           | 46.5 | 37   | 30   | 0.4203 | 315 |
| D8405-L22-22 |       | 22                                                              | M30X2.0 | 36 | M22X1.5                           | 50.5 | 40   | 32   | 0.5394 | 160 |
| D8405-L22-26 |       | 22                                                              | M30X2.0 | 36 | M26X1.5                           | 52.5 | 42   | 32   | 0.5074 | 160 |
| D8405-L28-33 |       | 28                                                              | M36X2.0 | 41 | M33X2.0                           | 56   | 45   | 41   | 0.7518 | 160 |
| D8405-L35-42 |       | 35                                                              | M45X2.0 | 50 | M42X2.0                           | 63   | 51   | 55   | 1.447  | 160 |
| D8405-L42-45 |       | 42                                                              | M52X2.0 | 60 | M45X2.0                           | 65   | 53   | 60   | 1.89   | 160 |
| D8405-L42-48 |       | 42                                                              | M52X2.0 | 60 | M48X2.0                           | 65   | 53   | 60   | 1.7927 | 160 |
| D8405-S06-12 | HEAVY | 6                                                               | M14X1.5 | 17 | M12X1.5                           | 41   | 33   | 17   | 0.1336 | 400 |
| D8405-S08-14 |       | 8                                                               | M16X1.5 | 19 | M14X1.5                           | 41   | 33   | 19   | 0.1586 | 400 |
| D8405-S10-16 |       | 10                                                              | M18X1.5 | 22 | M16X1.5                           | 43   | 34   | 22   | 0.2192 | 400 |
| D8405-S12-16 |       | 12                                                              | M20X1.5 | 24 | M16X1.5                           | 44   | 35   | 24   | 0.2716 | 400 |
| D8405-S12-18 |       | 12                                                              | M20X1.5 | 24 | M18X1.5                           | 44   | 35   | 24   | 0.2573 | 400 |
| D8405-S14-20 |       | 14                                                              | M22X1.5 | 27 | M20X1.5                           | 49   | 39   | 27   | 0.3625 | 400 |
| D8405-S16-18 |       | 16                                                              | M24X1.5 | 30 | M18X1.5                           | 47   | 37   | 30   | 0.4578 | 400 |
| D8405-S16-22 |       | 16                                                              | M24X1.5 | 30 | M22X1.5                           | 49   | 39   | 30   | 0.4392 | 400 |
| D8405-S20-22 |       | 20                                                              | M30X2.0 | 36 | M22X1.5                           | 52   | 40   | 36   | 0.6987 | 315 |
| D8405-S20-27 |       | 20                                                              | M30X2.0 | 36 | M27X2.0                           | 57   | 45   | 36   | 0.7123 | 315 |
| D8405-S25-30 |       | 25                                                              | M36X2.0 | 46 | M30X2.0                           | 62   | 49   | 41   | 1.146  | 315 |
| D8405-S25-33 |       | 25                                                              | M36X2.0 | 46 | M33X2.0                           | 62   | 49   | 41   | 1.0911 | 315 |
| D8405-S30-42 |       | 30                                                              | M42X2.0 | 50 | M42X2.0                           | 69   | 55   | 55   | 1.7282 | 315 |
| D8405-S38-45 |       | 38                                                              | M52X2.0 | 60 | M45X2.0                           | 74.5 | 59   | 60   | 2.3354 | 315 |
| D8405-S38-48 |       | 38                                                              | M52X2.0 | 60 | M48X2.0                           | 74.5 | 59   | 60   | 2.2354 | 250 |

| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL 24DEG DIN<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 3865, ISO<br>8434-1 |         |    | BODY | WT   | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|-----------------------------------------------------------------|---------|----|------|------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                              | THREAD  | C2 |      |      |     |
| D6504-L06-L06 | LIGHT | 6                                                                  | M12X1.5 | 17 | 6                                                               | M12X1.5 | 14 | 51   | 36   | 12  |
| D6504-L08-L08 |       | 8                                                                  | M14X1.5 | 17 | 8                                                               | M14X1.5 | 17 | 51   | 36   | 14  |
| D6504-L15-L15 |       | 15                                                                 | M22X1.5 | 27 | 15                                                              | M22X1.5 | 27 | 53.5 | 38   | 24  |
| D6504-L18-L18 |       | 18                                                                 | M26X1.5 | 32 | 18                                                              | M26X1.5 | 32 | 53   | 36   | 27  |
| D6504-S06-S06 | HEAVY | 6                                                                  | M14X1.5 | 17 | 6                                                               | M14X1.5 | 17 | 51.5 | 36.5 | 14  |
| D6504-S10-S10 |       | 10                                                                 | M18X1.5 | 22 | 10                                                              | M18X1.5 | 22 | 53   | 36.5 | 19  |
| D6504-S20-S20 |       | 20                                                                 | M30X2.0 | 36 | 20                                                              | M30X2.0 | 36 | 68   | 45.5 | 32  |
| D6504-S25-S25 |       | 25                                                                 | M36X2.0 | 46 | 25                                                              | M36X2.0 | 46 | 74   | 49   | 41  |
| D6504-S38-S38 |       | 38.3                                                               | M52X2.0 | 60 | 38.3                                                            | M52X2.0 | 60 | 87.5 | 56   | 55  |
|               |       |                                                                    |         |    |                                                                 |         |    |      |      |     |

# D6504-REDUCER

FMS-MBT STRAIGHT (REDV)



| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL 24DEG DIN<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 3865, ISO<br>8434-1 |         |    | L1   | L2   | BODY | WT     | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|-----------------------------------------------------------------|---------|----|------|------|------|--------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                              | THREAD  | C2 |      |      |      |        |     |
| D6504-L08-L06 | LIGHT | 8                                                                  | M14X1.5 | 17 | 6                                                               | M12X1.5 | 14 | 38.5 | 23.4 | 12   | 0.1433 | 500 |
| D6504-L10-L06 |       | 10                                                                 | M16X1.5 | 19 | 6                                                               | M12X1.5 | 14 | 41   | 24.9 | 14   | 0.1854 | 500 |
| D6504-L10-L08 |       | 10                                                                 | M16X1.5 | 19 | 8                                                               | M14X1.5 | 17 | 41   | 24.9 | 14   | 0.1956 | 500 |
| D6504-L12-L06 |       | 12                                                                 | M18X1.5 | 22 | 6                                                               | M12X1.5 | 14 | 40.5 | 24.9 | 17   | 0.2326 | 400 |
| D6504-L12-L08 |       | 12                                                                 | M18X1.5 | 22 | 8                                                               | M14X1.5 | 17 | 40.5 | 24.9 | 17   | 0.2427 | 400 |
| D6504-L12-L10 |       | 12                                                                 | M18X1.5 | 22 | 10                                                              | M16X1.5 | 19 | 41.5 | 25.9 | 17   | 0.2494 | 400 |
| D6504-L15-L06 |       | 15                                                                 | M22X1.5 | 27 | 6                                                               | M12X1.5 | 14 | 45.5 | 28.4 | 22   | 0.3545 | 400 |
| D6504-L15-L08 |       | 15                                                                 | M22X1.5 | 27 | 8                                                               | M14X1.5 | 17 | 45.5 | 28.4 | 22   | 0.3745 | 400 |
| D6504-L15-L10 |       | 15                                                                 | M22X1.5 | 27 | 10                                                              | M16X1.5 | 19 | 46.5 | 29.4 | 22   | 0.398  | 400 |
| D6504-L15-L12 |       | 15                                                                 | M22X1.5 | 27 | 12                                                              | M18X1.5 | 22 | 46.5 | 29.4 | 22   | 0.4061 | 400 |
| D6504-L18-L06 |       | 18                                                                 | M26X1.5 | 32 | 6                                                               | M12X1.5 | 14 | 42.5 | 27.9 | 24   | 0.4469 | 400 |
| D6504-L18-L08 |       | 18                                                                 | M26X1.5 | 32 | 8                                                               | M14X1.5 | 17 | 42.5 | 27.9 | 24   | 0.4622 | 400 |
| D6504-L18-L10 |       | 18                                                                 | M26X1.5 | 32 | 10                                                              | M16X1.5 | 19 | 43.5 | 28.9 | 24   | 0.5047 | 400 |
| D6504-L18-L12 |       | 18                                                                 | M26X1.5 | 32 | 12                                                              | M18X1.5 | 22 | 43.5 | 28.9 | 24   | 0.5133 | 400 |
| D6504-L18-L15 |       | 18                                                                 | M26X1.5 | 32 | 15                                                              | M22X1.5 | 27 | 45   | 29.9 | 24   | 0.5563 | 400 |
| D6504-L22-L06 |       | 22                                                                 | M30X2.0 | 36 | 6                                                               | M12X1.5 | 14 | 49   | 31.9 | 27   | 0.6306 | 250 |
| D6504-L22-L08 |       | 22                                                                 | M30X2.0 | 36 | 8                                                               | M14X1.5 | 17 | 49   | 31.9 | 27   | 0.6382 | 250 |
| D6504-L22-L10 |       | 22                                                                 | M30X2.0 | 36 | 10                                                              | M16X1.5 | 19 | 50   | 32.9 | 27   | 0.6516 | 250 |
| D6504-L22-L12 |       | 22                                                                 | M30X2.0 | 36 | 12                                                              | M18X1.5 | 22 | 50   | 32.9 | 27   | 0.6697 | 250 |
| D6504-L22-L15 |       | 22                                                                 | M30X2.0 | 36 | 15                                                              | M22X1.5 | 27 | 51.5 | 33.9 | 27   | 0.7259 | 250 |
| D6504-L22-L18 |       | 22                                                                 | M30X2.0 | 36 | 18                                                              | M26X1.5 | 32 | 52.5 | 33.4 | 27   | 0.8012 | 250 |
| D6504-L28-L06 |       | 28                                                                 | M36X2.0 | 41 | 6                                                               | M12X1.5 | 14 | 52   | 33.9 | 36   | 0.8975 | 250 |
| D6504-L28-L08 |       | 28                                                                 | M36X2.0 | 41 | 8                                                               | M14X1.5 | 17 | 52   | 33.9 | 36   | 0.9112 | 250 |
| D6504-L28-L10 |       | 28                                                                 | M36X2.0 | 41 | 10                                                              | M16X1.5 | 19 | 53   | 34.9 | 36   | 0.8978 | 250 |
| D6504-L28-L12 |       | 28                                                                 | M36X2.0 | 41 | 12                                                              | M18X1.5 | 22 | 53   | 34.9 | 36   | 0.9156 | 250 |
| D6504-L28-L15 |       | 28                                                                 | M36X2.0 | 41 | 15                                                              | M22X1.5 | 27 | 54.5 | 35.9 | 36   | 0.9694 | 250 |
| D6504-L28-L18 |       | 28                                                                 | M36X2.0 | 41 | 18                                                              | M26X1.5 | 32 | 55.5 | 35.4 | 36   | 1.0277 | 250 |
| D6504-L28-L22 |       | 28                                                                 | M36X2.0 | 41 | 22                                                              | M30X2.0 | 36 | 58.5 | 37.4 | 36   | 1.0909 | 250 |
| D6504-L35-L10 |       | 35                                                                 | M45X2.0 | 50 | 10                                                              | M16X1.5 | 19 | 54   | 38   | 46   | 1.3939 | 250 |
| D6504-L35-L12 |       | 35                                                                 | M45X2.0 | 50 | 12                                                              | M18X1.5 | 22 | 54   | 38   | 46   | 1.3741 | 250 |
| D6504-L35-L15 |       | 35                                                                 | M45X2.0 | 50 | 15                                                              | M22X1.5 | 27 | 55.5 | 39   | 46   | 1.4297 | 250 |
| D6504-L35-L18 |       | 35                                                                 | M45X2.0 | 50 | 18                                                              | M26X1.5 | 32 | 56.5 | 38.5 | 46   | 1.4912 | 250 |
| D6504-L35-L22 |       | 35                                                                 | M45X2.0 | 50 | 22                                                              | M30X2.0 | 36 | 59.5 | 40.5 | 46   | 1.5574 | 250 |

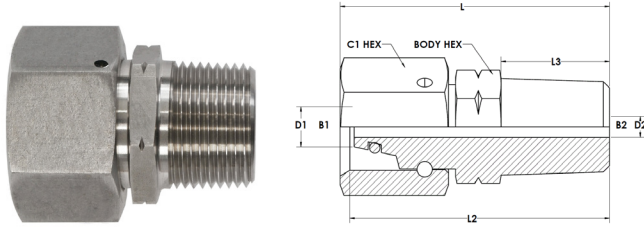
Continued...

| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL 24DEG DIN<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 3865, ISO<br>8434-1 |         |    | L1   | L2   | BODY | WT     | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|-----------------------------------------------------------------|---------|----|------|------|------|--------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                              | THREAD  | C2 |      |      |      |        |     |
| D6504-L35-L28 | LIGHT | 35                                                                 | M45X2.0 | 50 | 28                                                              | M36X2.0 | 41 | 60   | 40.5 | 46   | 1.6668 | 250 |
| D6504-L35-S20 |       | 35                                                                 | M45X2.0 | 50 | 20                                                              | M30X2.0 | 36 | 64   | 40.5 | 46   | 1.6701 | 250 |
| D6504-S08-S06 |       | 8                                                                  | M16X1.5 | 19 | 6                                                               | M14X1.5 | 17 | 42.5 | 26.9 | 14   | 0.2439 | 800 |
| D6504-S08-S12 |       | 8                                                                  | M16X1.5 | 19 | 12                                                              | M20X1.5 | 24 | 49   | 31.9 | 22   | 0.3584 | 630 |
| D6504-S10-S06 |       | 10                                                                 | M18X1.5 | 22 | 6                                                               | M14X1.5 | 17 | 42.5 | 27.4 | 17   | 0.293  | 800 |
| D6504-S10-S08 |       | 10                                                                 | M18X1.5 | 22 | 8                                                               | M16X1.5 | 19 | 42.5 | 27.4 | 17   | 0.3041 | 800 |
| D6504-S10-S12 |       | 10                                                                 | M18X1.5 | 22 | 12                                                              | M20X1.5 | 24 | 45.5 | 28.9 | 22   | 0.3708 | 630 |
| D6504-S12-S06 |       | 12                                                                 | M20X1.5 | 24 | 6                                                               | M14X1.5 | 17 | 46.5 | 29.9 | 19   | 0.3771 | 630 |
| D6504-S12-S08 |       | 12                                                                 | M20X1.5 | 24 | 8                                                               | M16X1.5 | 19 | 46.5 | 29.9 | 19   | 0.3879 | 630 |
| D6504-S12-S10 |       | 12                                                                 | M20X1.5 | 24 | 10                                                              | M18X1.5 | 22 | 47.5 | 29.4 | 19   | 0.4097 | 630 |
| D6504-S14-S06 |       | 14                                                                 | M22X1.5 | 27 | 6                                                               | M14X1.5 | 17 | 47.5 | 31.4 | 22   | 0.4736 | 630 |
| D6504-S14-S08 |       | 14                                                                 | M22X1.5 | 27 | 8                                                               | M16X1.5 | 19 | 47.5 | 31.4 | 22   | 0.4843 | 630 |
| D6504-S14-S10 |       | 14                                                                 | M22X1.5 | 27 | 10                                                              | M18X1.5 | 22 | 47.5 | 29.9 | 22   | 0.4992 | 630 |
| D6504-S14-S12 |       | 14                                                                 | M22X1.5 | 27 | 12                                                              | M20X1.5 | 24 | 48.5 | 30.9 | 22   | 0.5165 | 630 |
| D6504-S16-L15 |       | 16                                                                 | M24X1.5 | 30 | 15                                                              | M22X1.5 | 27 | 51.5 | 35.4 | 27   | 0.6465 | 400 |
| D6504-S16-S06 | HEAVY | 16                                                                 | M24X1.5 | 30 | 6                                                               | M14X1.5 | 17 | 47.5 | 31.9 | 22   | 0.5157 | 630 |
| D6504-S16-S08 |       | 16                                                                 | M24X1.5 | 30 | 8                                                               | M16X1.5 | 19 | 47.5 | 31.9 | 22   | 0.5291 | 630 |
| D6504-S16-S10 |       | 16                                                                 | M24X1.5 | 30 | 10                                                              | M18X1.5 | 22 | 48.5 | 31.4 | 22   | 0.5782 | 630 |
| D6504-S16-S12 |       | 16                                                                 | M24X1.5 | 30 | 12                                                              | M20X1.5 | 24 | 48.5 | 31.4 | 22   | 0.5889 | 630 |
| D6504-S16-S14 |       | 16                                                                 | M24X1.5 | 30 | 14                                                              | M22X1.5 | 27 | 51.5 | 32.9 | 24   | 0.6469 | 630 |
| D6504-S20-L15 |       | 20                                                                 | M30X2.0 | 36 | 15                                                              | M22X1.5 | 27 | 51   | 36   | 27   | 0.8835 | 400 |
| D6504-S20-L22 |       | 20                                                                 | M30X2.0 | 36 | 22                                                              | M30X2.0 | 36 | 59.5 | 42   | 32   | 1.0981 | 250 |
| D6504-S20-S06 |       | 20                                                                 | M30X2.0 | 36 | 6                                                               | M14X1.5 | 17 | 50.5 | 36   | 27   | 0.7926 | 420 |
| D6504-S20-S08 |       | 20                                                                 | M30X2.0 | 36 | 8                                                               | M16X1.5 | 19 | 50.5 | 36   | 27   | 0.8107 | 420 |
| D6504-S20-S10 |       | 20                                                                 | M30X2.0 | 36 | 10                                                              | M18X1.5 | 22 | 51.5 | 35.5 | 27   | 0.835  | 420 |
| D6504-S20-S12 |       | 20                                                                 | M30X2.0 | 36 | 12                                                              | M20X1.5 | 24 | 51.5 | 35.5 | 27   | 0.8504 | 420 |
| D6504-S20-S14 |       | 20                                                                 | M30X2.0 | 36 | 14                                                              | M22X1.5 | 27 | 54.5 | 37   | 27   | 0.9406 | 420 |
| D6504-S20-S16 |       | 20                                                                 | M30X2.0 | 36 | 16                                                              | M24X1.5 | 30 | 54.5 | 36.5 | 27   | 0.9609 | 420 |
| D6504-S25-L18 |       | 25                                                                 | M36X2.0 | 46 | 18                                                              | M26X1.5 | 32 | 54   | 38   | 36   | 1.481  | 400 |
| D6504-S25-S06 |       | 25                                                                 | M36X2.0 | 46 | 6                                                               | M14X1.5 | 17 | 52.5 | 38.5 | 36   | 1.3515 | 420 |
| D6504-S25-S08 |       | 25                                                                 | M36X2.0 | 46 | 8                                                               | M16X1.5 | 19 | 52.5 | 38.5 | 36   | 1.3648 | 420 |
| D6504-S25-S10 |       | 25                                                                 | M36X2.0 | 46 | 10                                                              | M18X1.5 | 22 | 53.5 | 38   | 36   | 1.3931 | 420 |
| D6504-S25-S12 |       | 25                                                                 | M36X2.0 | 46 | 12                                                              | M20X1.5 | 24 | 53.5 | 38   | 36   | 1.408  | 420 |
| D6504-S25-S14 |       | 25                                                                 | M36X2.0 | 46 | 14                                                              | M22X1.5 | 27 | 56.5 | 39.5 | 36   | 1.4656 | 420 |
| D6504-S25-S16 |       | 25                                                                 | M36X2.0 | 46 | 16                                                              | M24X1.5 | 30 | 56.5 | 39   | 36   | 1.4996 | 420 |
| D6504-S25-S20 |       | 25                                                                 | M36X2.0 | 46 | 20                                                              | M30X2.0 | 36 | 60.5 | 39   | 36   | 1.6513 | 420 |
| D6504-S30-L28 |       | 30                                                                 | M42X2.0 | 50 | 28                                                              | M36X2.0 | 41 | 61.5 | 45.5 | 41   | 1.9579 | 250 |
| D6504-S30-S06 |       | 30                                                                 | M42X2.0 | 50 | 6                                                               | M14X1.5 | 17 | 56.5 | 44   | 41   | 1.7327 | 420 |
| D6504-S30-S08 |       | 30                                                                 | M42X2.0 | 50 | 8                                                               | M16X1.5 | 19 | 56.5 | 44   | 41   | 1.7334 | 420 |
| D6504-S30-S10 |       | 30                                                                 | M42X2.0 | 50 | 10                                                              | M18X1.5 | 22 | 57.5 | 43.5 | 41   | 1.7735 | 420 |
| D6504-S30-S12 |       | 30                                                                 | M42X2.0 | 50 | 12                                                              | M20X1.5 | 24 | 57.5 | 43.5 | 41   | 1.788  | 420 |
| D6504-S30-S14 |       | 30                                                                 | M42X2.0 | 50 | 14                                                              | M22X1.5 | 27 | 60.5 | 45   | 41   | 1.8447 | 420 |
| D6504-S30-S16 |       | 30                                                                 | M42X2.0 | 50 | 16                                                              | M24X1.5 | 30 | 60.5 | 44.5 | 41   | 1.8777 | 420 |
| D6504-S30-S20 |       | 30                                                                 | M42X2.0 | 50 | 20                                                              | M30X2.0 | 36 | 64.5 | 44.5 | 41   | 2.0061 | 420 |
| D6504-S30-S25 |       | 30                                                                 | M42X2.0 | 50 | 25                                                              | M36X2.0 | 46 | 67.5 | 45   | 41   | 2.3193 | 420 |

More sizes available @brennaninc.com or contact 888.331.1523 for more details

# D6505

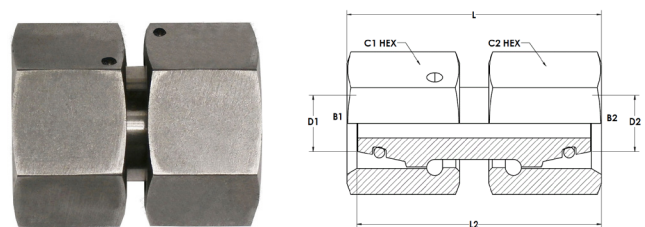
MFS-MP STRAIGHT (EGVD - NPT)



| Part #       | CODE  | B1<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | B2<br>MALE NPT<br>ASME/ANSI<br>B1.20.1 |        |      | L1   | L2   | BODY  | WT  | BAR |
|--------------|-------|--------------------------------------------------------------------|---------|----|----------------------------------------|--------|------|------|------|-------|-----|-----|
|              |       | D1                                                                 | THREAD  | C1 | D2                                     | THREAD |      |      |      |       |     |     |
| D6505-L08-04 | LIGHT | 8                                                                  | M14X1.5 | 17 | 5                                      | 1/4-18 | 37.5 | 37.4 | 14.0 | 0.141 | 315 |     |
| D6505-L12-06 |       | 12                                                                 | M18X1.5 | 22 | 8                                      | 3/8-18 | 40.5 | 39.9 | 19.0 | 0.244 | 315 |     |
| D6505-L15-08 |       | 15                                                                 | M22X1.5 | 27 | 11                                     | 1/2-14 | 51.5 | 49.4 | 22.0 | 0.423 | 315 |     |
| D6505-L22-12 |       | 22                                                                 | M30X2.0 | 36 | 17                                     | 3/4-14 | 53.5 | 51.4 | 30.0 | 0.724 | 160 |     |
| D6505-S06-04 | HEAVY | 6                                                                  | M14X1.5 | 17 | 3                                      | 1/4-18 | 38.5 | 37.9 | 14.0 | 0.17  | 630 |     |
| D6505-S08-04 |       | 8                                                                  | M16X1.5 | 19 | 4                                      | 1/4-18 | 40   | 39.4 | 14.0 | 0.215 | 630 |     |
| D6505-S10-06 |       | 10                                                                 | M18X1.5 | 22 | 6.5                                    | 3/8-18 | 44.5 | 44.5 | 19   | 0.188 | 630 |     |
| D6505-S12-06 |       | 12                                                                 | M20X1.5 | 24 | 8                                      | 3/8-18 | 43.5 | 41.9 | 19.0 | 0.348 | 630 |     |
| D6505-S16-08 |       | 16                                                                 | M24X1.5 | 30 | 11                                     | 1/2-14 | 51   | 50.4 | 22.0 | 0.552 | 400 |     |
| D6505-S20-12 |       | 20                                                                 | M30X2.0 | 36 | 14                                     | 3/4-14 | 53.5 | 54   | 27.0 | 0.884 | 400 |     |
| D6505-S25-16 |       | 25                                                                 | M36X2.0 | 46 | 18                                     | 1-11/2 | 65   | 66   | 36.0 | 1.657 | 400 |     |

# D6565-EQUAL

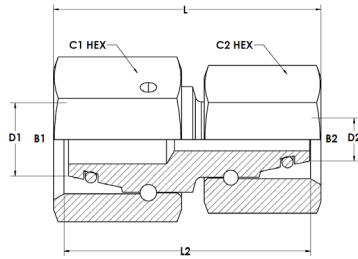
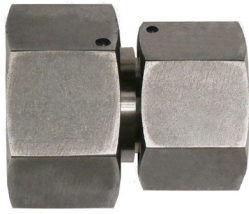
FMS-FMS STRAIGHT EQUAL UNION (EDKV)



| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | B2<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | L1   | L2   | WT     | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|--------------------------------------------------------------------|---------|----|------|------|--------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                                 | THREAD  | C2 |      |      |        |     |
| D6565-L06-L06 | LIGHT | 6                                                                  | M12X1.5 | 17 | 6                                                                  | M12X1.5 | 17 | 37   | 36.7 | 0.11   | 500 |
| D6565-L08-L08 |       | 8                                                                  | M14X1.5 | 17 | 8                                                                  | M14X1.5 | 17 | 37   | 36.7 | 0.0981 | 500 |
| D6565-L10-L10 |       | 10                                                                 | M16X1.5 | 19 | 10                                                                 | M16X1.5 | 19 | 40   | 37.8 | 0.1333 | 500 |
| D6565-L12-L12 |       | 12                                                                 | M18X1.5 | 22 | 12                                                                 | M18X1.5 | 22 | 39   | 37.8 | 0.1743 | 400 |
| D6565-L15-L15 |       | 15                                                                 | M22X1.5 | 27 | 15                                                                 | M22X1.5 | 27 | 45   | 40.8 | 0.2823 | 400 |
| D6565-L18-L18 |       | 18                                                                 | M26X1.5 | 32 | 18                                                                 | M26X1.5 | 32 | 42.5 | 43.3 | 0.3878 | 400 |
| D6565-L22-L22 | HEAVY | 22                                                                 | M30X2.0 | 36 | 22                                                                 | M30X2.0 | 36 | 52   | 47.8 | 0.5557 | 250 |
| D6565-L28-L28 |       | 28                                                                 | M36X2.0 | 41 | 28                                                                 | M36X2.0 | 41 | 55   | 48.8 | 0.6576 | 250 |
| D6565-L35-L35 |       | 35                                                                 | M45X2.0 | 50 | 35                                                                 | M45X2.0 | 50 | 61   | 59   | 1.0638 | 250 |
| D6565-L42-L42 |       | 42                                                                 | M52X2.0 | 60 | 42                                                                 | M52X2.0 | 60 | 61   | 60   | 3.0564 | 250 |
| D6565-S06-S06 |       | 6                                                                  | M14X1.5 | 17 | 6                                                                  | M14X1.5 | 17 | 41   | 39.7 | 0.1038 | 800 |
| D6565-S08-S08 |       | 8                                                                  | M16X1.5 | 19 | 8                                                                  | M16X1.5 | 19 | 41   | 39.7 | 0.138  | 800 |
| D6565-S10-S10 | HEAVY | 10                                                                 | M18X1.5 | 22 | 10                                                                 | M18X1.5 | 22 | 44   | 43.8 | 0.1884 | 800 |
| D6565-S12-S12 |       | 12                                                                 | M20X1.5 | 24 | 12                                                                 | M20X1.5 | 24 | 48   | 44.8 | 0.2369 | 630 |
| D6565-S14-S14 |       | 14                                                                 | M22X1.5 | 27 | 14                                                                 | M22X1.5 | 27 | 51   | 48.8 | 0.3156 | 630 |
| D6565-S16-S16 |       | 16                                                                 | M24X1.5 | 30 | 16                                                                 | M24X1.5 | 30 | 52   | 50.8 | 0.4029 | 630 |
| D6565-S20-S20 |       | 20                                                                 | M30X2.0 | 36 | 20                                                                 | M30X2.0 | 36 | 60   | 61   | 0.6373 | 420 |
| D6565-S25-S25 |       | 25                                                                 | M36X2.0 | 46 | 25                                                                 | M36X2.0 | 46 | 65   | 67   | 1.1341 | 420 |
| D6565-S30-S30 | HEAVY | 30                                                                 | M42X2.0 | 50 | 30                                                                 | M42X2.0 | 50 | 69   | 74   | 1.4063 | 420 |
| D6565-S38-S38 |       | 38                                                                 | M52X2.0 | 60 | 38                                                                 | M52X2.0 | 60 | 76   | 84   | 1.991  | 420 |

# D6565-REDUCER

FMS-FMS STRAIGHT REDUCING UNION (EDKRV)



| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | B2<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | L1   | L2   | WT     | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|--------------------------------------------------------------------|---------|----|------|------|--------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                                 | THREAD  | C2 |      |      |        |     |
| D6565-L06-S06 | LIGHT | 6                                                                  | M12X1.5 | 17 | 6                                                                  | M14X1.5 | 17 | 39   | 38.2 | 0.107  | 500 |
| D6565-L08-L06 |       | 8                                                                  | M14X1.5 | 17 | 6                                                                  | M12X1.5 | 17 | 37   | 36.7 | 0.1077 | 500 |
| D6565-L08-S08 |       | 8                                                                  | M14X1.5 | 19 | 8                                                                  | M16X1.5 | 17 | 39   | 38.2 | 0.1203 | 500 |
| D6565-L10-L06 |       | 10                                                                 | M16X1.5 | 19 | 6                                                                  | M12X1.5 | 17 | 38.5 | 37.2 | 0.1243 | 500 |
| D6565-L10-L08 |       | 10                                                                 | M16X1.5 | 19 | 8                                                                  | M14X1.5 | 17 | 38.5 | 37.2 | 0.1185 | 500 |
| D6565-L10-S10 |       | 10                                                                 | M16X1.5 | 22 | 10                                                                 | M18X1.5 | 19 | 42   | 40.8 | 0.1577 | 500 |
| D6565-L12-L06 |       | 12                                                                 | M18X1.5 | 22 | 6                                                                  | M12X1.5 | 17 | 37   | 37.2 | 0.1526 | 400 |
| D6565-L12-L08 |       | 12                                                                 | M18X1.5 | 22 | 8                                                                  | M14X1.5 | 17 | 38   | 38.2 | 0.1458 | 400 |
| D6565-L12-L10 |       | 12                                                                 | M18X1.5 | 22 | 10                                                                 | M16X1.5 | 19 | 40   | 38.3 | 0.1567 | 400 |
| D6565-L12-S10 |       | 12                                                                 | M18X1.5 | 22 | 10                                                                 | M18X1.5 | 22 | 36   | 35.3 | 0.1745 | 400 |
| D6565-L12-S12 |       | 12                                                                 | M18X1.5 | 24 | 12                                                                 | M20X1.5 | 22 | 43.5 | 41.3 | 0.2054 | 400 |
| D6565-L15-L08 |       | 15                                                                 | M22X1.5 | 27 | 8                                                                  | M14X1.5 | 17 | 39   | 38.7 | 0.2038 | 400 |
| D6565-L15-L10 |       | 15                                                                 | M22X1.5 | 27 | 10                                                                 | M16X1.5 | 19 | 40.5 | 39.3 | 0.218  | 400 |
| D6565-L15-L12 |       | 15                                                                 | M22X1.5 | 27 | 12                                                                 | M18X1.5 | 22 | 48.5 | 45.8 | 0.2621 | 400 |
| D6565-L18-L10 |       | 18                                                                 | M26X1.5 | 32 | 10                                                                 | M16X1.5 | 19 | 41.5 | 40.3 | 0.2901 | 400 |
| D6565-L18-L12 |       | 18                                                                 | M26X1.5 | 32 | 12                                                                 | M18X1.5 | 22 | 41   | 40.3 | 0.3092 | 400 |
| D6565-L18-L15 |       | 18                                                                 | M26X1.5 | 32 | 15                                                                 | M22X1.5 | 27 | 49   | 47.3 | 0.3666 | 400 |
| D6565-L18-S16 |       | 18                                                                 | M26X1.5 | 32 | 16                                                                 | M24X1.5 | 30 | 47.5 | 47.3 | 0.4042 | 400 |
| D6565-L22-L12 |       | 22                                                                 | M30X2.0 | 36 | 12                                                                 | M18X1.5 | 22 | 45   | 42.8 | 0.3995 | 250 |
| D6565-L22-L15 |       | 22                                                                 | M30X2.0 | 36 | 15                                                                 | M22X1.5 | 27 | 48   | 44.3 | 0.4464 | 250 |
| D6565-L22-L18 |       | 22                                                                 | M30X2.0 | 36 | 18                                                                 | M26X1.5 | 32 | 49.5 | 47.8 | 0.5179 | 250 |
| D6565-L22-S20 |       | 22                                                                 | M30X2.0 | 36 | 20                                                                 | M30X2.0 | 36 | 56   | 54.4 | 0.6238 | 250 |
| D6565-L28-L15 |       | 28                                                                 | M36X2.0 | 41 | 15                                                                 | M22X1.5 | 27 | 49.5 | 45.3 | 0.5469 | 250 |
| D6565-L28-L18 |       | 28                                                                 | M36X2.0 | 41 | 18                                                                 | M26X1.5 | 32 | 49.5 | 47.8 | 0.6118 | 250 |
| D6565-L28-L22 |       | 28                                                                 | M36X2.0 | 41 | 22                                                                 | M30X2.0 | 36 | 53   | 48.8 | 0.6598 | 250 |
| D6565-L28-S25 |       | 28                                                                 | M36X2.0 | 41 | 25                                                                 | M36X2.0 | 46 | 60.5 | 58.4 | 0.9599 | 250 |
| D6565-L35-L18 |       | 35                                                                 | M45X2.0 | 50 | 18                                                                 | M26X1.5 | 32 | 51.5 | 52.4 | 0.9012 | 250 |
| D6565-L35-L22 |       | 35                                                                 | M45X2.0 | 50 | 22                                                                 | M30X2.0 | 36 | 55.5 | 53.9 | 0.9497 | 250 |

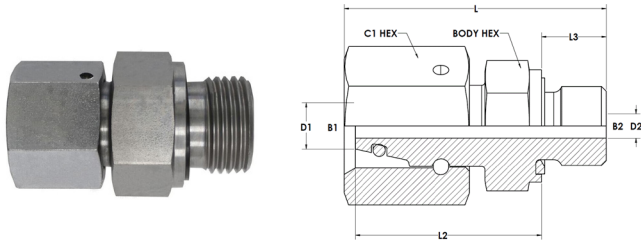
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| Part #        | CODE  | B1<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | B2<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 3865, ISO<br>8434-1 |         |    | L1   | L2   | WT     | BAR |
|---------------|-------|--------------------------------------------------------------------|---------|----|--------------------------------------------------------------------|---------|----|------|------|--------|-----|
|               |       | D1                                                                 | THREAD  | C1 | D2                                                                 | THREAD  | C2 |      |      |        |     |
| D6565-L35-L28 | LIGHT | 35                                                                 | M45X2.0 | 50 | 28                                                                 | M36X2.0 | 46 | 57   | 54.4 | 1.0977 | 250 |
| D6565-L35-S30 |       | 35                                                                 | M45X2.0 | 50 | 30                                                                 | M42X2.0 | 50 | 69   | 70   | 1.3659 | 250 |
| D6565-L42-L22 |       | 42                                                                 | M52X2.0 | 60 | 22                                                                 | M30X2.0 | 36 | 55.5 | 54.4 | 1.2741 | 250 |
| D6565-L42-L28 |       | 42                                                                 | M52X2.0 | 60 | 28                                                                 | M36X2.0 | 46 | 57   | 54.9 | 1.4216 | 250 |
| D6565-L42-L35 |       | 42                                                                 | M52X2.0 | 60 | 35                                                                 | M45X2.0 | 50 | 59.5 | 59.5 | 1.4539 | 250 |
| D6565-L42-S30 |       | 42                                                                 | M52X2.0 | 60 | 30                                                                 | M42X2.0 | 50 | 58.5 | 62   | 1.6009 | 250 |
| D6565-L42-S38 |       | 42                                                                 | M52X2.0 | 60 | 38                                                                 | M52X2.0 | 60 | 63.5 | 67   | 1.8043 | 250 |
| D6565-S12-L08 |       | 12                                                                 | M20X1.5 | 24 | 8                                                                  | M14X1.5 | 17 | 39   | 38.7 | 0.171  | 500 |
| D6565-S12-S06 |       | 12                                                                 | M20X1.5 | 24 | 6                                                                  | M14X1.5 | 17 | 42.5 | 41.7 | 0.1799 | 630 |
| D6565-S12-S08 |       | 12                                                                 | M20X1.5 | 24 | 8                                                                  | M16X1.5 | 19 | 49   | 46.7 | 0.2129 | 630 |
| D6565-S12-S10 | HEAVY | 12                                                                 | M20X1.5 | 24 | 10                                                                 | M18X1.5 | 22 | 46   | 44.3 | 0.2182 | 630 |
| D6565-S16-L15 |       | 16                                                                 | M24X1.5 | 30 | 15                                                                 | M22X1.5 | 27 | 48.5 | 45.8 | 0.3344 | 400 |
| D6565-S16-S10 | L     | 16                                                                 | M24X1.5 | 30 | 10                                                                 | M18X1.5 | 22 | 48.5 | 47.3 | 0.322  | 630 |
| D6565-S16-S12 |       | 16                                                                 | M24X1.5 | 30 | 12                                                                 | M20X1.5 | 24 | 53.5 | 51.3 | 0.3472 | 630 |
| D6565-S20-L18 | HEAVY | 20                                                                 | M30X2.0 | 36 | 18                                                                 | M26X1.5 | 32 | 51   | 51.9 | 0.5223 | 400 |
| D6565-S20-S12 |       | 20                                                                 | M30X2.0 | 36 | 12                                                                 | M20X1.5 | 24 | 54.5 | 52.9 | 0.5009 | 420 |
| D6565-S20-S16 |       | 20                                                                 | M30X2.0 | 36 | 16                                                                 | M24X1.5 | 30 | 58   | 57.9 | 0.5581 | 420 |
| D6565-S25-L22 |       | 25                                                                 | M36X2.0 | 46 | 22                                                                 | M30X2.0 | 36 | 64   | 62.9 | 0.8888 | 250 |
| D6565-S25-S16 |       | 25                                                                 | M36X2.0 | 46 | 16                                                                 | M24X1.5 | 30 | 58.5 | 58.9 | 0.8372 | 420 |
| D6565-S25-S20 |       | 25                                                                 | M36X2.0 | 46 | 20                                                                 | M30X2.0 | 36 | 64   | 65.5 | 0.9518 | 420 |
| D6565-S30-L28 |       | 30                                                                 | M42X2.0 | 50 | 28                                                                 | M36X2.0 | 41 | 67   | 66.4 | 1.0462 | 250 |
| D6565-S30-S16 |       | 30                                                                 | M42X2.0 | 50 | 16                                                                 | M24X1.5 | 30 | 59   | 58.4 | 1.0247 | 420 |
| D6565-S30-S20 |       | 30                                                                 | M42X2.0 | 50 | 20                                                                 | M30X2.0 | 36 | 67   | 67.5 | 1.1767 | 420 |
| D6565-S30-S25 |       | 30                                                                 | M42X2.0 | 50 | 25                                                                 | M36X2.0 | 46 | 67   | 70.5 | 1.3086 | 420 |
| D6565-S38-L35 |       | 38                                                                 | M52X2.0 | 60 | 35                                                                 | M45X2.0 | 50 | 70.5 | 73.5 | 1.5961 | 250 |
| D6565-S38-S20 |       | 38                                                                 | M52X2.0 | 60 | 20                                                                 | M30X2.0 | 36 | 71.5 | 72.5 | 1.67   | 420 |
| D6565-S38-S25 |       | 38                                                                 | M52X2.0 | 60 | 25                                                                 | M36X2.0 | 46 | 74   | 75.5 | 1.8772 | 420 |
| D6565-S38-S30 |       | 38                                                                 | M52X2.0 | 60 | 30                                                                 | M42X2.0 | 50 | 72.5 | 79   | 1.8845 | 420 |

# D7505-ED

FMS-MBSPP ED STRAIGHT

MBSPP ISO 1179-2 FORM E ELASTOMERIC SEAL DIN 3869 (EGVD R - WD)



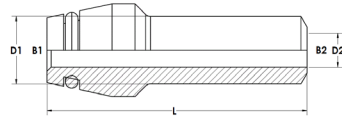
|                 |       | B1                                |         |    | B2                                  |          |      |      |      |        |     |
|-----------------|-------|-----------------------------------|---------|----|-------------------------------------|----------|------|------|------|--------|-----|
|                 |       | FEMALE METRIC<br>SWIVEL DIN 24DEG |         |    | MALE BSPP<br>FORM E<br>CAPTIVE SEAL |          |      |      |      |        |     |
|                 |       | DIN 3865, ISO<br>8434-1           |         |    | ISO 1179, ISO<br>8434-6, BS<br>5200 |          |      |      |      |        |     |
| Part #          | CODE  | D1                                | THREAD  | C1 | D2                                  | THREAD   | L1   | L2   | BODY | WT     | BAR |
| D7505-L06-02-ED | LIGHT | 6                                 | M12X1.5 | 17 | 3                                   | 1/8-28   | 32.5 | 24.4 | 14   | 0.1193 | 500 |
| D7505-L06-04-ED |       | 6                                 | M12X1.5 | 17 | 3                                   | 1/4-19   | 39.5 | 27.4 | 19   | 0.1584 | 500 |
| D7505-L08-02-ED |       | 8                                 | M14X1.5 | 17 |                                     | 1/8-28   | 33.5 | 25.4 | 14   | 0.1257 | 500 |
| D7505-L08-04-ED |       | 8                                 | M14X1.5 | 17 | 5                                   | 1/4-19   | 41.5 | 29.4 | 19   | 0.1768 | 500 |
| D7505-L10-04-ED |       | 10                                | M16X1.5 | 19 | 6.5                                 | 1/4-19   | 40.5 | 27.4 | 19   | 0.1946 | 500 |
| D7505-L10-06-ED |       | 10                                | M16X1.5 | 19 | 6.5                                 | 3/8-19   | 42   | 28.9 | 22   | 0.2361 | 500 |
| D7505-L10-08-ED |       | 10                                | M16X1.5 | 19 |                                     | 1/2-14   | 43.5 | 28.4 | 27   | 0.2636 | 500 |
| D7505-L12-04-ED |       | 12                                | M18X1.5 | 22 | 6                                   | 1/4-19   | 40   | 27.4 | 19   | 0.2342 | 400 |
| D7505-L12-06-ED |       | 12                                | M18X1.5 | 22 | 8                                   | 3/8-19   | 46.5 | 33.9 | 22   | 0.2947 | 400 |
| D7505-L12-08-ED |       | 12                                | M18X1.5 | 22 | 8                                   | 1/2-14   | 44   | 29.4 | 27   | 0.3398 | 400 |
| D7505-L15-06-ED |       | 15                                | M22X1.5 | 27 | 9                                   | 3/8-19   | 43.5 | 29.4 | 22   | 0.3689 | 400 |
| D7505-L15-08-ED |       | 15                                | M22X1.5 | 27 | 11                                  | 1/2-14   | 48   | 31.9 | 27   | 0.4405 | 400 |
| D7505-L15-12-ED |       | 15                                | M22X1.5 | 27 |                                     | 3/4-14   | 48.5 | 30.4 | 32   | 0.4827 | 400 |
| D7505-L18-04-ED |       | 18                                | M26X1.5 | 32 |                                     | 1/4-19   | 43   | 31.4 | 27   | 0.4854 | 400 |
| D7505-L18-08-ED |       | 18                                | M26X1.5 | 32 | 13                                  | 1/2-14   | 45   | 31.4 | 27   | 0.503  | 400 |
| D7505-L18-12-ED |       | 18                                | M26X1.5 | 32 | 18                                  | 3/4-14   | 47   | 31.4 | 32   | 0.576  | 400 |
| D7505-L22-08-ED |       | 22                                | M30X2.0 | 36 | 14                                  | 1/2-14   | 48   | 31.9 | 27   | 0.625  | 250 |
| D7505-L22-12-ED |       | 22                                | M30X2.0 | 36 | 17                                  | 3/4-14   | 50.5 | 32.4 | 32   | 0.7055 | 250 |
| D7505-L22-16-ED |       | 22                                | M30X2.0 | 36 | 18                                  | 1-11     | 52.5 | 32.4 | 41   | 0.9031 | 250 |
| D7505-L28-12-ED |       | 28                                | M36X2.0 | 41 |                                     | 3/4-14   | 51   | 31.9 | 36   | 0.882  | 250 |
| D7505-L28-16-ED |       | 28                                | M36X2.0 | 41 | 23                                  | 1-11     | 56   | 34.9 | 41   | 1.0151 | 250 |
| D7505-L35-20-ED |       | 35                                | M45X2.0 | 50 | 28                                  | 1-1/4-11 | 63.5 | 42.5 | 50   | 1.7255 | 250 |

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|                 |       | B1                                |         |    | B2                                  |          |      |      |        |        |     |
|-----------------|-------|-----------------------------------|---------|----|-------------------------------------|----------|------|------|--------|--------|-----|
|                 |       | FEMALE METRIC<br>SWIVEL DIN 24DEG |         |    | MALE BSPP<br>FORM E<br>CAPTIVE SEAL |          |      |      |        |        |     |
|                 |       | DIN 3865, ISO<br>8434-1           |         |    | ISO 1179, ISO<br>8434-6, BS<br>5200 |          |      |      |        |        |     |
| Part #          | CODE  | D1                                | THREAD  | C1 | D2                                  | THREAD   | L1   | L2   | BODY   | WT     | BAR |
| D7505-L42-20-ED | LIGHT | 42                                | M52X2.0 | 60 |                                     | 1-1/4-11 | 67   | 46.5 | 50     | 2.172  | 250 |
| D7505-L42-24-ED |       | 42                                | M52X2.0 | 60 | 35                                  | 1-1/2-11 | 69   | 46.5 | 55     | 2.3345 | 250 |
| D7505-S06-04-ED | HEAVY | 6                                 | M14X1.5 | 17 | 3                                   | 1/4-19   | 39.5 | 26.9 | 19     | 0.1935 | 630 |
| D7505-S08-04-ED |       | 8                                 | M16X1.5 | 19 | 5                                   | 1/4-19   | 42   | 29.4 | 19     | 0.2432 | 630 |
| D7505-S10-04-ED |       | 10                                | M18X1.5 | 22 |                                     | 1/4-19   | 41.5 | 29.4 | 19     | 0.2785 | 630 |
| D7505-S10-06-ED |       | 10                                | M18X1.5 | 22 | 6.5                                 | 3/8-19   | 44   | 31.9 | 22     | 0.326  | 630 |
| D7505-S12-04-ED |       | 12                                | M20X1.5 | 24 | 5                                   | 1/4-19   | 45   | 31.4 | 19     | 0.3545 | 630 |
| D7505-S12-06-ED |       | 12                                | M20X1.5 | 24 | 8                                   | 3/8-19   | 48   | 34.4 | 22     | 0.3912 | 630 |
| D7505-S12-08-ED |       | 12                                | M20X1.5 | 24 | 8                                   | 1/2-14   | 50   | 34.4 | 27     | 0.4793 | 630 |
| D7505-S14-08-ED |       | 14                                | M22X1.5 | 27 | 9                                   | 1/2-14   | 51.5 | 36.4 | 27     | 0.56   | 630 |
| D7505-S16-06-ED |       | 16                                | M24X1.5 | 30 | 8                                   | 3/8-19   | 49.5 | 36.9 | 27     | 0.6039 | 400 |
| D7505-S16-08-ED |       | 16                                | M24X1.5 | 30 | 11                                  | 1/2-14   | 51.5 | 36.9 | 27     | 0.6058 | 400 |
| D7505-S16-12-ED |       | 16                                | M24X1.5 | 30 |                                     | 3/4-14   | 55.5 | 38.9 | 32     | 0.7704 | 400 |
| D7505-S20-08-ED |       | 20                                | M30X2.0 | 36 | 12                                  | 1/2-14   | 54.5 | 41   | 27     | 0.8629 | 400 |
| D7505-S20-12-ED |       | 20                                | M30X2.0 | 36 | 14                                  | 3/4-14   | 56.5 | 41   | 32     | 0.9602 | 400 |
| D7505-S20-16-ED |       | 20                                | M30X2.0 | 36 | 18                                  | 1-11     | 60.5 | 43   | 41     | 1.1842 | 400 |
| D7505-S25-12-ED |       | 25                                | M36X2.0 | 46 | 18                                  | 3/4-14   | 65   | 50   | 36     | 1.6085 | 400 |
| D7505-S25-16-ED |       | 25                                | M36X2.0 | 46 | 18                                  | 1-11     | 65   | 48   | 41     | 1.7525 | 400 |
| D7505-S30-16-ED | 30    | M42X2.0                           | 50      |    | 1-11                                | 68.5     | 53   | 41   | 2.0532 | 400    |     |
| D7505-S30-20-ED | 30    | M42X2.0                           | 50      | 22 | 1-1/4-11                            | 68.5     | 51   | 50   | 2.4138 | 400    |     |
| D7505-S38-20-ED | 38    | M52X2.0                           | 60      | 25 | 1-1/4-11                            | 78       | 62   | 50   | 3.2708 | 400    |     |
| D7505-S38-24-ED | 38    | M52X2.0                           | 60      | 30 | 1-1/2-11                            | 78       | 60   | 55   | 3.4664 | 400    |     |

# D8440

MBT WELD NIPPLE (SKA OD)



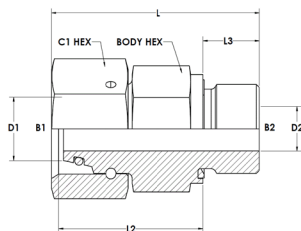
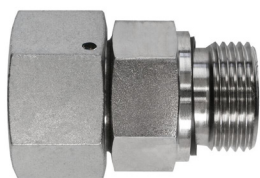
|                 | <i>B1</i><br>METRIC DKO FLARE 24°<br>DIN 3865, ISO 8434-4 |           | <i>B2</i><br>BUTT WELD |           |            |
|-----------------|-----------------------------------------------------------|-----------|------------------------|-----------|------------|
| Part #          | <i>D1</i>                                                 | <i>D2</i> | <i>L1</i>              | <i>WT</i> | <i>BAR</i> |
| D8440-08-08X1.5 | 8                                                         | 5         | 31                     | 0.0996    | 400        |
| D8440-08-08X2.0 | 8                                                         | 4         | 31                     | 0.1034    | 500        |
| D8440-10-10X1.5 | 10                                                        | 7         | 32.5                   | 0.1314    | 315        |
| D8440-10-10X2.0 | 10                                                        | 6         | 32.5                   | 0.1372    | 400        |
| D8440-10-10X2.5 | 10                                                        | 5         | 32.5                   | 0.142     | 400        |
| D8440-12-12X1.5 | 12                                                        | 9         | 32.5                   | 0.1676    | 315        |
| D8440-12-12X2.0 | 12                                                        | 8         | 32.5                   | 0.1749    | 400        |
| D8440-12-12X2.5 | 12                                                        | 7         | 32.5                   | 0.1812    | 400        |
| D8440-14-14X3.0 | 14                                                        | 8         | 38.5                   | 0.382     | 400        |
| D8440-15-15X2.0 | 15                                                        | 11        | 35                     | 0.2767    | 315        |
| D8440-15-15X2.5 | 15                                                        | 10        | 35                     | 0.2864    | 315        |
| D8440-16-16X2.0 | 16                                                        | 12        | 39                     | 0.4344    | 315        |
| D8440-16-16X2.5 | 16                                                        | 11        | 39                     | 0.4462    | 400        |
| D8440-16-16X3.0 | 16                                                        | 10        | 38.5                   | 0.4553    | 400        |
| D8440-18-18X2.0 | 18                                                        | 14        | 35.5                   | 0.3821    | 315        |
| D8440-18-18X2.5 | 18                                                        | 13        | 36                     | 0.3957    | 315        |
| D8440-20-20X2.0 | 20                                                        | 16        | 44.5                   | 0.6929    | 250        |
| D8440-20-20X2.5 | 20                                                        | 15        | 44.5                   | 0.7112    | 315        |
| D8440-20-20X3.0 | 20                                                        | 14        | 44.5                   | 0.7281    | 400        |
| D8440-20-20X4.0 | 20                                                        | 12        | 44.5                   | 0.7579    | 400        |
| D8440-22-22X2.0 | 22                                                        | 18        | 38.5                   | 0.5141    | 160        |

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|                 | <i>B1</i><br>METRIC DKO FLARE 24°<br>DIN 3865, ISO 8434-4 |           | <i>B2</i><br>BUTT WELD |           |            |
|-----------------|-----------------------------------------------------------|-----------|------------------------|-----------|------------|
| Part #          | <i>D1</i>                                                 | <i>D2</i> | <i>L1</i>              | <i>WT</i> | <i>BAR</i> |
| D8440-22-22X2.5 | 22                                                        | 17        | 38.5                   | 0.5318    | 160        |
| D8440-25-25X3.0 | 25                                                        | 19        | 49.5                   | 1.2775    | 315        |
| D8440-25-25X3.5 | 25                                                        | 18        | 49.5                   | 1.302     | 315        |
| D8440-25-25X4.0 | 25                                                        | 17        | 49.5                   | 1.3246    | 400        |
| D8440-25-25X5.0 | 25                                                        | 15        | 49.5                   | 1.3665    | 400        |
| D8440-28-28X2.0 | 28                                                        | 24        | 41.5                   | 0.6912    | 160        |
| D8440-28-28X2.5 | 28                                                        | 23        | 41.5                   | 0.717     | 160        |
| D8440-28-28X3.0 | 28                                                        | 22        | 41.5                   | 0.7424    | 160        |
| D8440-30-30X3.0 | 30                                                        | 24        | 52                     | 1.5793    | 250        |
| D8440-30-30X4.0 | 30                                                        | 22        | 52                     | 1.6422    | 315        |
| D8440-30-30X5.0 | 30                                                        | 20        | 52                     | 1.6987    | 400        |
| D8440-35-35X2.5 | 35                                                        | 30        | 47                     | 1.0985    | 160        |
| D8440-35-35X3.0 | 35                                                        | 29        | 47                     | 1.135     | 160        |
| D8440-35-35X3.5 | 35                                                        | 28        | 47                     | 1.1714    | 160        |
| D8440-35-35X4.0 | 35                                                        | 27        | 47                     | 1.2066    | 160        |
| D8440-38-38X4.0 | 38                                                        | 30        | 56.5                   | 2.5117    | 315        |
| D8440-38-38X5.0 | 38                                                        | 28        | 56.5                   | 2.597     | 315        |
| D8440-38-38X6.0 | 38                                                        | 26        | 56.5                   | 2.6752    | 315        |
| D8440-42-42X3.0 | 42                                                        | 36        | 47                     | 1.5788    | 160        |
| D8440-42-42X4.0 | 42                                                        | 34        | 47                     | 1.6651    | 160        |

# D8505-ED

FMS-MM ED STRAIGHT. METRIC ISO 9974-2 FORM E ELASTOMERIC SEAL DIN 3869 (EGVD M - WD)

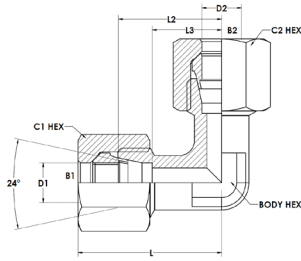


|                 |       | B1                             |         |    | B2                              |         |      |      |      |        |     |  |
|-----------------|-------|--------------------------------|---------|----|---------------------------------|---------|------|------|------|--------|-----|--|
|                 |       | FEMALE METRIC SWIVEL DIN 24DEG |         |    | MALE METRIC FORM E CAPTIVE SEAL |         |      |      |      |        |     |  |
|                 |       | DIN , ISO 8434-1               |         |    | ISO 9974, ISO 6149, DIN 7631    |         |      |      |      |        |     |  |
| Part #          | CODE  | D1                             | THREAD  | C1 | D2                              | THREAD  | L1   | L2   | BODY | WT     | BAR |  |
| D8505-L06-10-ED | LIGHT | 6                              | M12X1.5 | 17 | 3                               | M10X1.0 | 32.5 | 24.4 | 14   | 0.1198 | 500 |  |
| D8505-L08-12-ED |       | 8                              | M14X1.5 | 17 | 5                               | M12X1.5 | 38.5 | 26.4 | 17   | 0.1517 | 500 |  |
| D8505-L08-14-ED |       | 8                              | M14X1.5 | 17 |                                 | M14X1.5 | 38.5 | 26.4 | 19   | 0.1654 | 500 |  |
| D8505-L10-14-ED |       | 10                             | M16X1.5 | 19 | 6.5                             | M14X1.5 | 40.5 | 27.4 | 19   | 0.1982 | 500 |  |
| D8505-L12-16-ED |       | 12                             | M18X1.5 | 22 | 8                               | M16X1.5 | 43   | 30.4 | 22   | 0.269  | 400 |  |
| D8505-L12-18-ED |       | 12                             | M18X1.5 | 22 |                                 | M18X1.5 | 43   | 30.4 | 24   | 0.2965 | 400 |  |
| D8505-L12-22-ED |       | 12                             | M18X1.5 | 22 | 14                              | M22X1.5 | 41.5 | 26.9 | 27   | 0.3261 | 400 |  |
| D8505-L15-18-ED |       | 15                             | M22X1.5 | 27 | 11                              | M18X1.5 | 45.5 | 31.4 | 24   | 0.395  | 400 |  |
| D8505-L15-22-ED |       | 15                             | M22X1.5 | 27 | 11                              | M22X1.5 | 48   | 31.9 | 27   | 0.4519 | 400 |  |
| D8505-L18-22-ED |       | 18                             | M26X1.5 | 32 | 13                              | M22X1.5 | 45   | 31.4 | 27   | 0.5144 | 400 |  |
| D8505-L22-26-ED |       | 22                             | M30X2.0 | 36 | 17                              | M26X1.5 | 50.5 | 32.4 | 32   | 0.7045 | 250 |  |
| D8505-L28-33-ED |       | 28                             | M36X2.0 | 41 | 23                              | M33X2.0 | 56   | 34.9 | 41   | 1.0172 | 250 |  |
| D8505-L35-42-ED |       | 35                             | M45X2.0 | 50 | 28                              | M42X2.0 | 63.5 | 42.5 | 50   | 1.7341 | 250 |  |
| D8505-L42-48-ED |       | 42                             | M52X2.0 | 60 | 35                              | M48X2.0 | 69   | 46.5 | 55   | 2.4078 | 250 |  |
| D8505-S06-12-ED | HEAVY | 6                              | M14X1.5 | 17 | 3                               | M12X1.5 | 39.5 | 26.9 | 17   | 0.1793 | 630 |  |
| D8505-S08-14-ED |       | 8                              | M16X1.5 | 19 | 5                               | M14X1.5 | 42   | 29.4 | 19   | 0.2469 | 630 |  |
| D8505-S10-16-ED |       | 10                             | M18X1.5 | 22 | 6                               | M16X1.5 | 44   | 31.9 | 22   | 0.3225 | 630 |  |
| D8505-S12-16-ED |       | 12                             | M20X1.5 | 24 |                                 | M16X1.5 | 46.5 | 32.9 | 22   | 0.387  | 630 |  |
| D8505-S12-18-ED |       | 12                             | M20X1.5 | 24 | 8                               | M18X1.5 | 47.5 | 33.9 | 24   | 0.4153 | 630 |  |
| D8505-S12-20-ED |       | 12                             | M20X1.5 | 24 |                                 | M20X1.5 | 51.5 | 35.9 | 27   | 0.4888 | 630 |  |
| D8505-S14-20-ED |       | 14                             | M22X1.5 | 27 | 9                               | M20X1.5 | 51.5 | 36.4 | 27   | 0.5546 | 630 |  |
| D8505-S16-22-ED |       | 16                             | M24X1.5 | 30 | 11                              | M22X1.5 | 51.5 | 36.9 | 27   | 0.617  | 400 |  |
| D8505-S20-27-ED |       | 20                             | M30X2.0 | 36 | 14                              | M27X2.0 | 58.5 | 43   | 32   | 0.9911 | 400 |  |
| D8505-S25-33-ED |       | 25                             | M36X2.0 | 46 | 18                              | M33X2.0 | 65   | 48   | 41   | 1.7547 | 400 |  |
| D8505-S30-42-ED |       | 30                             | M42X2.0 | 50 | 22                              | M42X2.0 | 68.5 | 51   | 50   | 2.4225 | 400 |  |
| D8505-S38-48-ED |       | 38                             | M52X2.0 | 60 | 30                              | M48X2.0 | 78   | 60   | 55   | 3.4799 | 400 |  |

# ELBOWS

## D2500

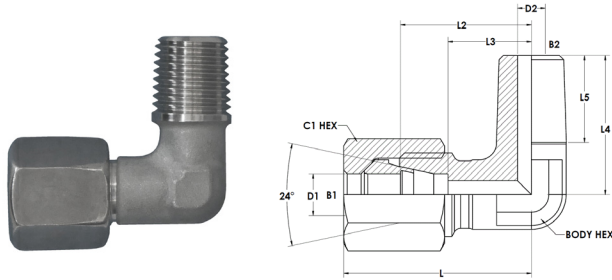
MBT-MBT 90° ELBOW UNION COMPLETE WITH TUBE NUTS AND SLEEVES (WV)



|               |             | B1                          |         |    | B2                          |         |    |      |      |      |       |     |
|---------------|-------------|-----------------------------|---------|----|-----------------------------|---------|----|------|------|------|-------|-----|
|               |             | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    |      |      |      |       |     |
|               |             | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    |      |      |      |       |     |
| Part #        | CODE        | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | L1   | L2   | BODY | WT    | BAR |
| D2500-E04-E04 | EXTRA LIGHT | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10 | 21   | 15   | 9.0  | 0.044 | 100 |
| D2500-E06-E06 |             | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12 | 21   | 15   | 9.0  | 0.052 | 100 |
| D2500-E08-E08 |             | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14 | 23   | 17   | 12.0 | 0.075 | 100 |
| D2500-E10-E10 |             | 10                          | M14X1.0 | 17 | 10                          | M14X1.0 | 17 | 27   | 21   | 14.0 | 0.123 | 100 |
| D2500-E12-E12 |             | 12                          | M16X1.0 | 19 | 12                          | M16X1.0 | 19 | 28.5 | 21.5 | 14.0 | 0.128 | 100 |
| D2500-L06-L06 | LIGHT       | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 27   | 19   | 12.0 | 0.106 | 500 |
| D2500-L08-L08 |             | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 29   | 21   | 12.0 | 0.141 | 500 |
| D2500-L10-L10 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 30   | 22   | 14.0 | 0.177 | 500 |
| D2500-L12-L12 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 32   | 24   | 17.0 | 0.233 | 400 |
| D2500-L15-L15 |             | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 36.5 | 28   | 19.0 | 0.398 | 400 |
| D2500-L18-L18 |             | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 40.5 | 31   | 24.0 | 0.581 | 400 |
| D2500-L22-L22 |             | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 45.5 | 35   | 27.0 | 0.783 | 250 |
| D2500-L28-L28 |             | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 49   | 38   | 36.0 | 1.096 | 250 |
| D2500-L35-L35 | HEAVY       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 57   | 45   | 41.0 | 1.662 | 250 |
| D2500-L42-L42 |             | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 63   | 51   | 50.0 | 2.472 | 250 |
| D2500-S06-S06 |             | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 31   | 23   | 12.0 | 0.175 | 800 |
| D2500-S08-S08 |             | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 32   | 24   | 14.0 | 0.218 | 800 |
| D2500-S10-S10 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 34   | 25   | 17.0 | 0.296 | 800 |
| D2500-S12-S12 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 38   | 29   | 17.0 | 0.368 | 630 |
| D2500-S14-S14 |             | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 40   | 30   | 19.0 | 0.499 | 630 |
| D2500-S16-S16 |             | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 43   | 33   | 24.0 | 0.652 | 630 |
| D2500-S20-S20 |             | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 49   | 37   | 27.0 | 1.001 | 420 |
| D2500-S25-S25 |             | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 55   | 42   | 36.0 | 1.868 | 420 |
| D2500-S30-S30 |             | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 63   | 49   | 41.0 | 2.399 | 420 |
| D2500-S38-S38 |             | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 72.5 | 57   | 50.0 | 3.566 | 420 |

# D2501

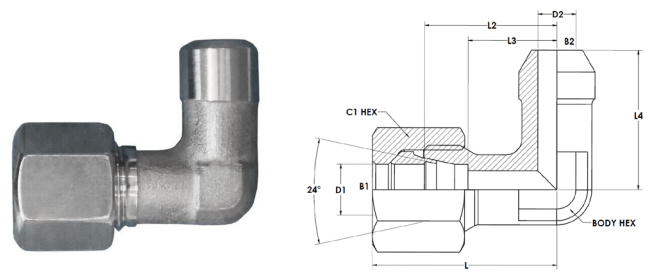
MBT-MP 90 ELBOW (WEV - NPT)



| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE NPT<br>ASME/ANSI<br>B1.20.1 |              |      | L1 | L2 | BODY  | WT  | BAR |
|--------------|-------------|-----------------------------------------------------------------|---------|----|----------------------------------------|--------------|------|----|----|-------|-----|-----|
|              |             | D1                                                              | THREAD  | C1 | D2                                     | THREAD       |      |    |    |       |     |     |
| D2501-E04-02 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 3                                      | 1/8-27       | 20.5 | 15 | 11 | 0.04  | 100 |     |
| D2501-E06-02 |             | 6                                                               | M10X1.0 | 12 | 4.5                                    | 1/8-27       | 21   | 15 | 11 | 0.042 | 100 |     |
| D2501-E08-02 |             | 8                                                               | M12X1.0 | 14 | 6                                      | 1/8-27       | 23   | 17 | 12 | 0.055 | 100 |     |
| D2501-L06-02 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 1/8-27       | 27   | 19 | 12 | 0.077 | 315 |     |
| D2501-L06-04 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 1/4-18       | 29   | 21 | 12 | 0.108 | 315 |     |
| D2501-L06-06 |             | 6                                                               | M12X1.5 | 14 | 4                                      | 3/8-18       | 33   | 25 | 17 | 0.156 | 315 |     |
| D2501-L08-02 | LIGHT       | 8                                                               | M14X1.5 | 17 | 4                                      | 1/8-27       | 29   | 21 | 12 | 0.101 | 315 |     |
| D2501-L08-04 |             | 8                                                               | M14X1.5 | 17 | 6                                      | 1/4-18       | 29   | 21 | 12 | 0.11  | 315 |     |
| D2501-L10-04 |             | 10                                                              | M16X1.5 | 19 | 7                                      | 1/4-18       | 30   | 22 | 14 | 0.137 | 315 |     |
| D2501-L10-06 |             | 10                                                              | M16X1.5 | 19 | 8                                      | 3/8-18       | 32   | 24 | 17 | 0.154 | 315 |     |
| D2501-L12-04 |             | 12                                                              | M18X1.5 | 22 | 7                                      | 1/4-18       | 32   | 24 | 17 | 0.178 | 315 |     |
| D2501-L12-06 |             | 12                                                              | M18X1.5 | 22 | 9                                      | 3/8-18       | 32   | 24 | 17 | 0.189 | 315 |     |
| D2501-L12-08 | HEAVY       | 12                                                              | M18X1.5 | 22 | 10                                     | 1/2-14       | 36   | 28 | 19 | 0.302 | 315 |     |
| D2501-L15-08 |             | 15                                                              | M22X1.5 | 27 | 12                                     | 1/2-14       | 36.5 | 28 | 19 | 0.326 | 315 |     |
| D2501-L18-08 |             | 18                                                              | M26X1.5 | 32 | 12                                     | 1/2-14       | 40.5 | 31 | 24 | 0.454 | 315 |     |
| D2501-L22-12 |             | 22                                                              | M30X2.0 | 36 | 18                                     | 3/4-14       | 45.5 | 35 | 27 | 0.634 | 160 |     |
| D2501-L28-16 |             | 28                                                              | M36X2.0 | 41 | 23                                     | 1-11/2       | 49   | 38 | 36 | 0.947 | 160 |     |
| D2501-L35-20 |             | 35                                                              | M45X2.0 | 50 | 30                                     | 1-1/4-11-1/2 | 60   | 48 | 41 | 1.412 | 160 |     |
| D2501-L42-24 | HEAVY       | 42                                                              | M52X2.0 | 60 | 36                                     | 1-1/2-11-1/2 | 66   | 54 | 50 | 2.073 | 160 |     |
| D2501-S06-04 |             | 6                                                               | M14X1.5 | 17 | 4                                      | 1/4-18       | 31   | 23 | 12 | 0.137 | 630 |     |
| D2501-S08-04 |             | 8                                                               | M16X1.5 | 19 | 5                                      | 1/4-18       | 32   | 24 | 14 | 0.167 | 630 |     |
| D2501-S08-08 |             | 8                                                               | M16X1.5 | 19 | 5                                      | 1/2-14       | 38   | 30 | 19 | 0.35  | 630 |     |
| D2501-S10-04 |             | 10                                                              | M18X1.5 | 22 | 5                                      | 1/4-18       | 34   | 25 | 17 | 0.218 | 630 |     |
| D2501-S10-06 |             | 10                                                              | M18X1.5 | 22 | 7                                      | 3/8-18       | 34   | 25 | 17 | 0.233 | 630 |     |
| D2501-S12-04 |             | 12                                                              | M20X1.5 |    | 7                                      | 1/4-18       |      |    |    | 0.258 | 630 |     |
| D2501-S12-06 |             | 12                                                              | M20X1.5 | 24 | 8                                      | 3/8-18       | 38   | 29 | 17 | 0.269 | 630 |     |
| D2501-S12-08 |             | 12                                                              | M20X1.5 |    | 8                                      | 1/2-14       |      |    |    | 0.322 | 630 |     |
| D2501-S14-08 |             | 14                                                              | M22X1.5 | 27 | 10                                     | 1/2-14       | 40   | 30 | 19 | 0.394 | 630 |     |
| D2501-S16-08 |             | 16                                                              | M24X1.5 | 30 | 12                                     | 1/2-14       | 43   | 33 | 24 | 0.478 | 400 |     |
| D2501-S20-12 |             | 20                                                              | M30X2.0 | 36 | 16                                     | 3/4-14       | 49   | 37 | 27 | 0.767 | 400 |     |
| D2501-S25-16 |             | 25                                                              | M36X2.0 | 46 | 20                                     | 1-11/2       | 55   | 42 | 36 | 1.414 | 400 |     |
| D2501-S30-20 |             | 30                                                              | M42X2.0 | 50 | 25                                     | 1-1/4-11-1/2 | 63   | 49 | 41 | 2     | 315 |     |
| D2501-S38-24 |             | 38                                                              | M52X2.0 | 60 | 32                                     | 1-1/2-11-1/2 | 73.5 | 58 | 50 | 2.85  | 315 |     |

# D2525

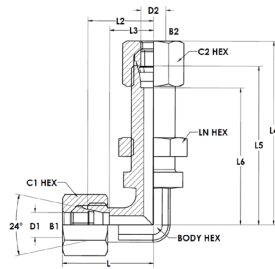
MBT-BUTTWELD 90 (WASV)



| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>BUTTWELD |  |  | L1   | L2 | BODY | WT     | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|----------------|--|--|------|----|------|--------|-----|
|              |       | D1                                                              | THREAD  | C1 | D2             |  |  |      |    |      |        |     |
| D2525-L12-12 | LIGHT | 12                                                              | M18X1.5 | 22 | 10             |  |  | 32   | 24 | 17   | 0.1633 | 315 |
| D2525-L15-15 |       | 15                                                              | M22X1.5 | 27 | 12             |  |  | 36.5 | 28 | 19   | 0.2832 | 315 |
| D2525-L18-18 |       | 18                                                              | M26X1.5 | 32 | 15             |  |  | 40.5 | 31 | 24   | 0.4075 | 315 |
| D2525-L22-22 |       | 22                                                              | M30X2.0 | 36 | 19             |  |  | 45.5 | 35 | 27   | 0.5666 | 160 |
| D2525-L28-28 |       | 28                                                              | M36X2.0 | 41 | 24             |  |  | 49   | 38 | 36   | 0.8576 | 160 |
| D2525-L35-35 |       | 35.3                                                            | M45X2.0 | 50 | 30             |  |  | 57   | 45 | 41   | 1.2886 | 160 |
| D2525-L42-42 | HEAVY | 42.3                                                            | M52X2.0 | 60 | 36             |  |  | 63   | 51 | 50   | 1.9776 | 160 |
| D2525-S12-12 |       | 12                                                              | M20X1.5 | 24 | 8              |  |  | 38   | 29 | 17   | 0.2657 | 630 |
| D2525-S16-16 |       | 16                                                              | M24X1.5 | 30 | 12             |  |  | 43   | 33 | 24   | 0.4656 | 400 |
| D2525-S20-20 |       | 20                                                              | M30X2.0 | 36 | 16             |  |  | 49   | 37 | 27   | 0.7103 | 400 |
| D2525-S25-25 |       | 25                                                              | M36X2.0 | 46 | 20             |  |  | 55   | 42 | 36   | 1.2983 | 400 |
| D2525-S30-30 |       | 30                                                              | M42X2.0 | 50 | 25             |  |  | 63   | 49 | 41   | 1.7332 | 400 |
| D2525-S38-38 |       | 38.3                                                            | M52X2.0 | 60 | 32             |  |  | 72.5 | 57 | 50   | 2.6032 | 315 |

# D2701-LN

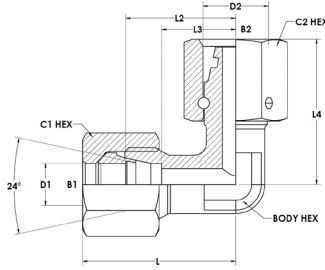
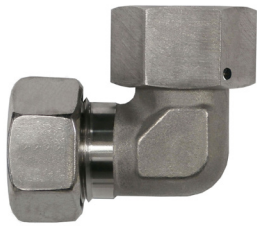
MBT-MBT BULKHEAD 90° ELBOW WITH LOCK NUT (WSV)



|                  |       | B1                          |         |    | B2                             |         |    |      |         |      |    |      |       |     |
|------------------|-------|-----------------------------|---------|----|--------------------------------|---------|----|------|---------|------|----|------|-------|-----|
|                  |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION BH |         |    |      |         |      |    |      |       |     |
|                  |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1           |         |    |      |         |      |    |      |       |     |
| Part #           | CODE  | D1                          | THREAD  | C1 | D2                             | THREAD  | C2 | LN   | LOCKNUT | L1   | L2 | BODY | WT    | BAR |
| D2701-LN-L06-L06 | LIGHT | 6                           | M12X1.5 | 14 | 6                              | M12X1.5 | 14 | 17.0 | M12X1.5 | 27   | 19 | 12.0 | 0.181 | 315 |
| D2701-LN-L08-L08 |       | 8                           | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 19.0 | M14X1.5 | 29   | 21 | 12.0 | 0.242 | 315 |
| D2701-LN-L10-L10 |       | 10                          | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 22.0 | M16X1.5 | 30   | 22 | 14.0 | 0.301 | 315 |
| D2701-LN-L12-L12 |       | 12                          | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 24.0 | M18X1.5 | 32   | 24 | 17.0 | 0.379 | 315 |
| D2701-LN-L15-L15 |       | 15                          | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 30.0 | M22X1.5 | 36.5 | 28 | 19.0 | 0.615 | 315 |
| D2701-LN-L18-L18 |       | 18                          | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 36.0 | M26X1.5 | 40.5 | 31 | 24.0 | 0.893 | 315 |
| D2701-LN-L22-L22 |       | 22                          | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 41.0 | M30X2.0 | 45.5 | 35 | 27.0 | 1.183 | 160 |
| D2701-LN-L28-L28 |       | 28                          | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 46.0 | M36X2.0 | 49   | 38 | 36.0 | 1.633 | 160 |
| D2701-LN-L35-L35 |       | 35                          | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 55.0 | M45X2.0 | 57   | 45 | 41.0 | 2.56  | 160 |
| D2701-LN-L42-L42 |       | 42                          | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 65.0 | M52X2.0 | 63   | 51 | 50.0 | 3.71  | 160 |
| D2701-LN-S06-S06 | HEAVY | 6                           | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 19.0 | M14X1.5 | 31   | 23 | 12.0 | 0.284 | 630 |
| D2701-LN-S08-S08 |       | 8                           | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 22.0 | M16X1.5 | 32   | 24 | 14.0 | 0.357 | 630 |
| D2701-LN-S10-S10 |       | 10                          | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 24.0 | M18X1.5 | 34   | 25 | 17.0 | 0.464 | 630 |
| D2701-LN-S12-S12 |       | 12                          | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 27.0 | M20X1.5 | 38   | 29 | 17.0 | 0.572 | 630 |
| D2701-LN-S14-S14 |       | 14                          | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 30.0 | M22X1.5 | 40   | 30 | 19.0 | 0.737 | 630 |
| D2701-LN-S16-S16 |       | 16                          | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 32.0 | M24X1.5 | 43   | 33 | 24.0 | 0.914 | 400 |
| D2701-LN-S20-S20 |       | 20                          | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 41.0 | M30X2.0 | 49   | 37 | 27.0 | 1.456 | 400 |
| D2701-LN-S25-S25 |       | 25                          | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 46.0 | M36X2.0 | 55   | 42 | 36.0 | 2.498 | 400 |
| D2701-LN-S30-S30 |       | 30                          | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 50.0 | M42X2.0 | 63   | 49 | 41.0 | 3.289 | 400 |
| D2701-LN-S38-S38 |       | 38                          | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 65.0 | M52X2.0 | 72.5 | 57 | 50.0 | 4.912 | 315 |

# D6500

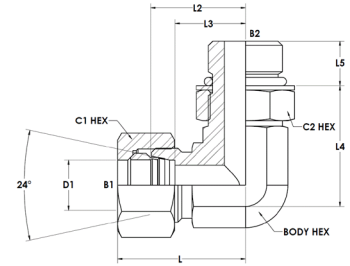
MBT-FMS 90° ELBOW (EWVD)



| Part #        | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    |    | B2<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 2353, ISO<br>8434-1 |    |      |    | WT     | BAR |
|---------------|-------|-----------------------------------------------------------------|---------|----|----|--------------------------------------------------------------------|----|------|----|--------|-----|
|               |       | D1                                                              | THREAD  | C1 | D2 | THREAD                                                             | C2 | L1   | L2 |        |     |
| D6500-L06-L06 | LIGHT | 6                                                               | M12X1.5 | 14 | 6  | M12X1.5                                                            | 17 | 27   | 19 | 0.1218 | 500 |
| D6500-L08-L08 |       | 8                                                               | M14X1.5 | 17 | 8  | M14X1.5                                                            | 17 | 29   | 21 | 0.1352 | 500 |
| D6500-L10-L10 |       | 10                                                              | M16X1.5 | 19 | 10 | M16X1.5                                                            | 19 | 30   | 22 | 0.1762 | 500 |
| D6500-L12-L12 |       | 12                                                              | M18X1.5 | 22 | 12 | M18X1.5                                                            | 22 | 32   | 24 | 0.2353 | 400 |
| D6500-L15-L15 |       | 15                                                              | M22X1.5 | 27 | 15 | M22X1.5                                                            | 27 | 36.5 | 28 | 0.3866 | 400 |
| D6500-L18-L18 |       | 18                                                              | M26X1.5 | 32 | 18 | M26X1.5                                                            | 32 | 40.5 | 31 | 0.5635 | 400 |
| D6500-L22-L22 |       | 22                                                              | M30X2.0 | 36 | 22 | M30X2.0                                                            | 36 | 45.5 | 35 | 0.7648 | 250 |
| D6500-L28-L28 |       | 28                                                              | M36X2.0 | 41 | 28 | M36X2.0                                                            | 41 | 49   | 38 | 1.0715 | 250 |
| D6500-L35-L35 |       | 35                                                              | M45X2.0 | 50 | 35 | M45X2.0                                                            | 50 | 57   | 45 | 1.6653 | 250 |
| D6500-L42-L42 |       | 42                                                              | M52X2.0 | 60 | 42 | M52X2.0                                                            | 60 | 63   | 51 | 2.505  | 250 |
| D6500-S06-S06 | HEAVY | 6                                                               | M14X1.5 | 17 | 6  | M14X1.5                                                            | 17 | 31   | 23 | 0.154  | 800 |
| D6500-S08-S08 |       | 8                                                               | M16X1.5 | 19 | 8  | M16X1.5                                                            | 19 | 32   | 24 | 0.2006 | 800 |
| D6500-S10-S10 |       | 10                                                              | M18X1.5 | 22 | 10 | M18X1.5                                                            | 22 | 34   | 25 | 0.2734 | 800 |
| D6500-S12-S12 |       | 12                                                              | M20X1.5 | 24 | 12 | M20X1.5                                                            | 24 | 38   | 29 | 0.3361 | 630 |
| D6500-S14-S14 |       | 14                                                              | M22X1.5 | 27 | 14 | M22X1.5                                                            | 27 | 40   | 30 | 0.4551 | 630 |
| D6500-S16-S16 |       | 16                                                              | M24X1.5 | 30 | 16 | M24X1.5                                                            | 30 | 43   | 33 | 0.6028 | 630 |
| D6500-S20-S20 |       | 20                                                              | M30X2.0 | 36 | 20 | M30X2.0                                                            | 36 | 49   | 37 | 0.9356 | 420 |
| D6500-S25-S25 |       | 25                                                              | M36X2.0 | 46 | 25 | M36X2.0                                                            | 46 | 55   | 42 | 1.7394 | 420 |
| D6500-S30-S30 |       | 30                                                              | M42X2.0 | 50 | 30 | M42X2.0                                                            | 50 | 63   | 49 | 2.2279 | 420 |
| D6500-S38-S38 |       | 38                                                              | M52X2.0 | 60 | 38 | M52X2.0                                                            | 60 | 72.5 | 57 | 3.3141 | 420 |

# D6801-NW0

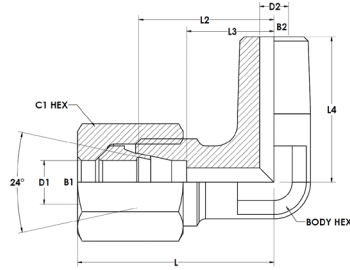
MBT-MAORB 90° ELBOW. (WEE - UN0)



| Part #           | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    |              | B2<br>MALE SAE<br>ADJUSTABLE<br>ORING BOSS<br>SAE J514, ISO<br>11926 |      |    |      | WT     | BAR |
|------------------|-------|-----------------------------------------------------------------|---------|----|--------------|----------------------------------------------------------------------|------|----|------|--------|-----|
|                  |       | D1                                                              | THREAD  | C1 | THREAD       | C2                                                                   | L1   | L2 | BODY |        |     |
| D6801-L06-04-NW0 | LIGHT | 6                                                               | M12X1.5 | 14 | 7/16-20 UNF  | 17                                                                   | 29   | 21 | 14   | 0.1521 | 315 |
| D6801-L08-04-NW0 |       | 8                                                               | M14X1.5 | 17 | 7/16-20 UNF  | 17                                                                   | 31   | 23 | 14   | 0.1698 | 315 |
| D6801-L10-06-NW0 |       | 10                                                              | M16X1.5 | 19 | 9/16-18 UNF  | 19                                                                   | 32   | 24 | 19   | 0.2601 | 315 |
| D6801-L12-06-NW0 |       | 12                                                              | M18X1.5 | 22 | 9/16-18 UNF  | 19                                                                   | 34   | 26 | 19   | 0.2844 | 250 |
| D6801-L12-08-NW0 |       | 12                                                              | M18X1.5 | 22 | 3/4-16 UNF   | 24                                                                   | 34   | 26 | 19   | 0.3483 | 250 |
| D6801-L15-08-NW0 |       | 15                                                              | M22X1.5 | 27 | 3/4-16 UNF   | 24                                                                   | 36.5 | 28 | 22   | 0.4696 | 250 |
| D6801-L15-10-NW0 |       | 15                                                              | M22X1.5 | 27 | 7/8-14 UNF   | 27                                                                   | 36.5 | 28 | 27   | 0.6504 | 250 |
| D6801-L18-10-NW0 |       | 18                                                              | M26X1.5 | 32 | 7/8-14 UNF   | 27                                                                   | 40.5 | 31 | 27   | 0.7297 | 250 |
| D6801-L18-12-NW0 |       | 18                                                              | M26X1.5 | 32 | 1-1/16-12 UN | 36                                                                   | 40.5 | 31 | 30   | 1.0097 | 250 |
| D6801-L22-12-NW0 |       | 22                                                              | M30X2.0 | 36 | 1-1/16-12 UN | 36                                                                   | 45.5 | 35 | 30   | 1.0692 | 160 |
| D6801-L28-16-NW0 | HEAVY | 28                                                              | M36X2.0 | 41 | 1-5/16-12 UN | 41                                                                   | 49   | 38 | 36   | 1.4242 | 160 |
| D6801-L35-20-NW0 |       | 35                                                              | M45X2.0 | 50 | 1-5/8-12 UN  | 50                                                                   | 60   | 48 | 50   | 2.8572 | 160 |
| D6801-L42-24-NW0 |       | 42                                                              | M52X2.0 | 60 | 1-7/8-12 UN  | 55                                                                   | 61   | 49 | 50   | 2.9277 | 160 |
| D6801-S06-04-NW0 |       | 6                                                               | M14X1.5 | 17 | 7/16-20 UNF  | 17                                                                   | 30   | 22 | 14   | 0.1786 | 315 |
| D6801-S08-06-NW0 |       | 8                                                               | M16X1.5 | 19 | 9/16-18 UNF  | 19                                                                   | 32   | 24 | 19   | 0.2756 | 315 |
| D6801-S10-06-NW0 |       | 10                                                              | M18X1.5 | 22 | 9/16-18 UNF  | 19                                                                   | 34   | 25 | 19   | 0.3086 | 250 |
| D6801-S12-08-NW0 |       | 12                                                              | M20X1.5 | 24 | 3/4-16 UNF   | 24                                                                   | 38   | 29 | 22   | 0.4718 | 250 |
| D6801-S14-08-NW0 |       | 14                                                              | M22X1.5 | 27 | 3/4-16 UNF   | 24                                                                   | 40   | 30 | 22   | 0.5181 | 250 |
| D6801-S16-10-NW0 |       | 16                                                              | M24X1.5 | 30 | 7/8-14 UNF   | 27                                                                   | 43   | 33 | 27   | 0.7628 | 250 |
| D6801-S20-12-NW0 |       | 20                                                              | M30X2.0 | 36 | 1-1/16-12 UN | 36                                                                   | 50   | 38 | 30   | 1.1839 | 250 |
| D6801-S25-12-NW0 |       | 25                                                              | M36X2.0 | 46 | 1-1/16-12 UN | 36                                                                   | 55   | 42 | 36   | 1.7769 | 250 |
| D6801-S30-20-NW0 |       | 30                                                              | M42X2.0 | 50 | 1-5/8-12 UN  | 50                                                                   | 63   | 49 | 50   | 3.1416 | 160 |
| D6801-S38-24-NW0 |       | 38                                                              | M52X2.0 | 60 | 1-7/8-12 UN  | 55                                                                   | 65.5 | 50 | 50   | 3.3532 | 160 |

# D7501

MBT-MBSPT 90 ELBOW. (WEV R - KEG)



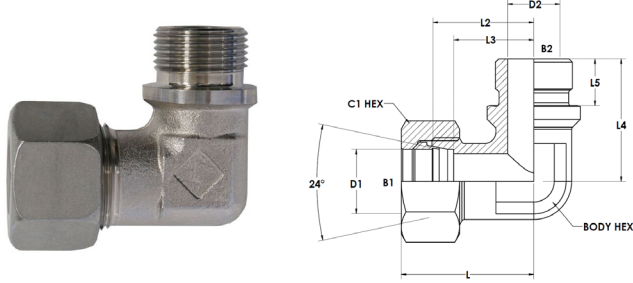
| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPT<br>(R)<br>DIN 3852-2<br>FORM C |        |      | L1   | L2 | BODY   | WT  | BAR |
|--------------|-------------|-----------------------------------------------------------------|---------|----|------------------------------------------------|--------|------|------|----|--------|-----|-----|
|              |             | D1                                                              | THREAD  | C1 | D2                                             | THREAD |      |      |    |        |     |     |
| D7501-E04-02 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 3                                              | 1/8-28 | 21   | 15   | 9  | 0.0382 | 100 |     |
| D7501-E06-02 |             | 6                                                               | M10X1.0 | 12 | 4.5                                            | 1/8-28 | 21   | 15   | 9  | 0.0398 | 100 |     |
| D7501-E08-02 |             | 8                                                               | M12X1.0 | 14 | 6                                              | 1/8-28 | 23   | 17   | 12 | 0.0547 | 100 |     |
| D7501-E10-04 |             | 10                                                              | M14X1.0 | 17 | 7                                              | 1/4-19 | 27.3 | 21.5 | 14 | 0.1071 | 100 |     |
| D7501-E12-04 |             | 12                                                              | M16X1.0 | 19 | 7                                              | 1/4-19 | 29.3 | 22   | 14 | 0.1016 | 100 |     |
| D7501-L06-02 |             | 6                                                               | M12X1.5 | 14 | 4                                              | 1/8-28 | 27   | 19   | 12 | 0.0746 | 315 |     |
| D7501-L06-04 |             | 6                                                               | M12X1.5 | 14 | 6                                              | 1/4-19 | 29   | 21   | 12 | 0.098  | 315 |     |
| D7501-L08-02 |             | 8                                                               | M14X1.5 | 17 | 4                                              | 1/8-28 | 29   | 21   | 12 | 0.1021 | 315 |     |
| D7501-L08-04 |             | 8                                                               | M14X1.5 | 17 | 6                                              | 1/4-19 | 29   | 21   | 12 | 0.1107 | 315 |     |
| D7501-L08-06 |             | 8                                                               | M14X1.5 | 17 | 6                                              | 3/8-19 | 32   | 24   | 14 | 0.1429 | 315 |     |
| D7501-L08-08 | LIGHT       | 8                                                               | M14X1.5 | 17 |                                                | 1/2-14 | 36   | 28   | 19 | 0.266  | 315 |     |
| D7501-L10-02 |             | 10                                                              | M16X1.5 | 19 |                                                | 1/8-28 | 30.5 | 22.5 | 14 | 0.1164 | 315 |     |
| D7501-L10-04 |             | 10                                                              | M16X1.5 | 19 | 7                                              | 1/4-19 | 30   | 22   | 14 | 0.1347 | 315 |     |
| D7501-L10-06 |             | 10                                                              | M16X1.5 | 19 | 8                                              | 3/8-19 | 30   | 22   | 14 | 0.1529 | 315 |     |
| D7501-L10-08 |             | 10                                                              | M16X1.5 | 19 |                                                | 1/2-14 | 36   | 28   | 19 | 0.2726 | 315 |     |
| D7501-L12-04 |             | 12                                                              | M18X1.5 | 22 | 7                                              | 1/4-19 | 32   | 24   | 17 | 0.1712 | 315 |     |
| D7501-L12-06 |             | 12                                                              | M18X1.5 | 22 | 9                                              | 3/8-19 | 32   | 24   | 17 | 0.1843 | 315 |     |
| D7501-L12-08 |             | 12                                                              | M18X1.5 | 22 | 10                                             | 1/2-14 | 36   | 28   | 19 | 0.2956 | 315 |     |
| D7501-L15-06 |             | 15                                                              | M22X1.5 | 27 |                                                | 3/8-19 | 36.5 | 28   | 19 | 0.3049 | 315 |     |
| D7501-L15-08 |             | 15                                                              | M22X1.5 | 27 | 12                                             | 1/2-14 | 36.5 | 28   | 19 | 0.3194 | 315 |     |
| D7501-L15-12 | HEAVY       | 15                                                              | M22X1.5 | 27 |                                                | 3/4-14 | 41.5 | 33   | 24 | 0.4358 | 315 |     |
| D7501-L18-08 |             | 18                                                              | M26X1.5 | 32 | 14                                             | 1/2-14 | 40.5 | 31   | 24 | 0.4234 | 315 |     |
| D7501-L18-12 |             | 18                                                              | M26X1.5 | 32 |                                                | 3/4-14 | 41.5 | 32   | 24 | 0.4106 | 315 |     |

Continued...

| Part #       | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE BSPT<br>(R)<br>DIN 3852-2<br>FORM C |          |      | L1 | L2 | BODY   | WT  | BAR |
|--------------|-------|-----------------------------------------------------------------|---------|----|------------------------------------------------|----------|------|----|----|--------|-----|-----|
|              |       | D1                                                              | THREAD  | C1 | D2                                             | THREAD   |      |    |    |        |     |     |
| D7501-L22-12 | LIGHT | 22                                                              | M30X2.0 | 36 |                                                | 3/4-14   | 45.5 | 35 | 27 | 0.5983 | 160 |     |
| D7501-L28-16 |       | 28                                                              | M36X2.0 | 41 |                                                | 1-11     | 49   | 38 | 36 | 0.9529 | 160 |     |
| D7501-L35-20 |       | 35                                                              | M45X2.0 | 50 |                                                | 1-1/4-11 | 60   | 48 | 41 | 1.4062 | 160 |     |
| D7501-L42-24 |       | 42                                                              | M52X2.0 | 60 |                                                | 1-1/2-11 | 66   | 54 | 50 | 2.0961 | 160 |     |
| D7501-S06-04 | HEAVY | 6                                                               | M14X1.5 | 17 | 4                                              | 1/4-19   | 31   | 23 | 12 | 0.1333 | 400 |     |
| D7501-S06-06 |       | 6                                                               | M14X1.5 | 17 | 4                                              | 3/8-19   | 31   | 23 | 14 | 0.1657 | 400 |     |
| D7501-S08-04 |       | 8                                                               | M16X1.5 | 19 | 5                                              | 1/4-19   | 32   | 24 | 14 | 0.1636 | 400 |     |
| D7501-S10-04 |       | 10                                                              | M18X1.5 | 22 | 5                                              | 1/4-19   | 34   | 25 | 17 | 0.2138 | 400 |     |
| D7501-S10-06 |       | 10                                                              | M18X1.5 | 22 | 7                                              | 3/8-19   | 34   | 25 | 17 | 0.2268 | 400 |     |
| D7501-S10-08 |       | 10                                                              | M18X1.5 | 22 | 7                                              | 1/2-14   | 39   | 30 | 19 | 0.344  | 400 |     |
| D7501-S12-04 |       | 12                                                              | M20X1.5 | 24 |                                                | 1/4-19   | 38   | 29 | 17 | 0.2477 | 400 |     |
| D7501-S12-06 |       | 12                                                              | M20X1.5 | 24 | 8                                              | 3/8-19   | 38   | 29 | 17 | 0.2635 | 400 |     |
| D7501-S12-08 |       | 12                                                              | M20X1.5 | 24 | 8                                              | 1/2-14   | 39   | 30 | 19 | 0.3343 | 400 |     |
| D7501-S14-06 |       | 14                                                              | M22X1.5 | 27 |                                                | 3/8-19   | 40   | 30 | 19 | 0.3551 | 400 |     |
| D7501-S14-08 |       | 14                                                              | M22X1.5 | 27 | 10                                             | 1/2-14   | 40   | 30 | 19 | 0.3767 | 400 |     |
| D7501-S16-06 |       | 16                                                              | M24X1.5 | 30 |                                                | 3/8-19   | 43   | 33 | 24 | 0.47   | 400 |     |
| D7501-S16-08 |       | 16                                                              | M24X1.5 | 30 | 12                                             | 1/2-14   | 43   | 33 | 24 | 0.4645 | 400 |     |
| D7501-S16-12 |       | 16                                                              | M24X1.5 | 30 |                                                | 3/4-14   | 47   | 37 | 27 | 0.5974 | 400 |     |
| D7501-S20-08 |       | 20                                                              | M30X2.0 | 36 |                                                | 1/2-14   | 49   | 37 | 27 | 0.7484 | 400 |     |
| D7501-S20-12 |       | 20                                                              | M30X2.0 | 36 |                                                | 3/4-14   | 49   | 37 | 27 | 0.6893 | 250 |     |
| D7501-S25-12 |       | 25                                                              | M36X2.0 | 46 |                                                | 3/4-14   | 55   | 42 | 36 | 1.2991 | 250 |     |
| D7501-S25-16 | HEAVY | 25                                                              | M36X2.0 | 46 |                                                | 1-11     | 55   | 42 | 36 | 1.3939 | 250 |     |
| D7501-S38-24 |       | 38                                                              | M52X2.0 | 60 |                                                | 1-1/2-11 | 72.5 | 57 | 50 | 2.8012 | 250 |     |

# D7801-CF

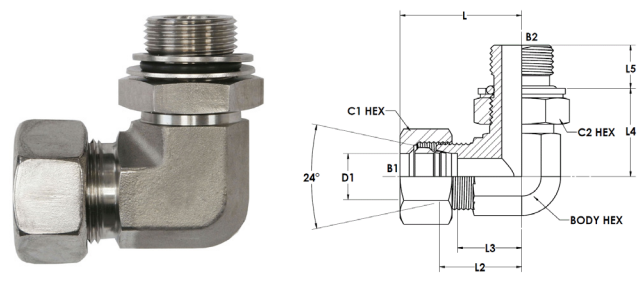
MBT-MBSPP CF 90 ELBOW. (WEV R - ZYL)



| Part #          | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    |    | B2<br>MALE BSPP<br>FORM B<br>DIN 3852-2<br>FORM B |      |    |      | WT     | BAR |
|-----------------|-------|-----------------------------------------------------------------|---------|----|----|---------------------------------------------------|------|----|------|--------|-----|
|                 |       | D1                                                              | THREAD  | C1 | D2 | THREAD                                            | L1   | L2 | BODY |        |     |
| D7801-L22-12-CF | LIGHT | 22                                                              | M30X2.0 | 36 | 18 | 3/4-14                                            | 45.5 | 35 | 27   | 0.627  | 160 |
| D7801-L28-16-CF |       | 28                                                              | M36X2.0 | 41 | 23 | 1-11                                              | 49   | 38 | 36   | 0.969  | 160 |
| D7801-L35-20-CF |       | 35                                                              | M45X2.0 | 50 | 30 | 1-1/4-11                                          | 57   | 45 | 41   | 1.4681 | 160 |
| D7801-L42-24-CF |       | 42                                                              | M52X2.0 | 60 | 36 | 1-1/2-11                                          | 63   | 51 | 50   | 2.1826 | 160 |
| D7801-S20-12-CF | HEAVY | 20                                                              | M30X2.0 | 36 | 16 | 3/4-14                                            | 49   | 37 | 27   | 0.7709 | 250 |
| D7801-S25-16-CF |       | 25                                                              | M36X2.0 | 46 | 20 | 1-11                                              | 55   | 42 | 36   | 1.4296 | 250 |
| D7801-S30-16-CF |       | 30                                                              | M42X2.0 | 50 |    | 1-11                                              | 63   | 49 | 41   | 1.851  | 250 |
| D7801-S30-20-CF |       | 30                                                              | M42X2.0 | 50 | 25 | 1-1/4-11                                          | 63   | 49 | 41   | 2.0257 | 160 |
| D7801-S38-24-CF |       | 38                                                              | M52X2.0 | 60 | 32 | 1-1/2-11                                          | 72.5 | 57 | 50   | 2.9362 | 160 |

# D7801-NW0-RR

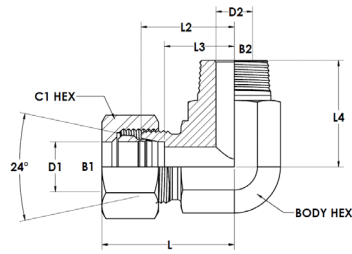
MBT-MBSPPAORB RR 90 ELBOW. (WEE R)



| Part #              | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    |          | B2<br>MALE BSPP<br>ADJUSTABLE<br>ORR<br>ISO 1179, ISO<br>8434-6, BS<br>5200 |      |    |      | WT     | BAR |
|---------------------|-------|-----------------------------------------------------------------|---------|----|----------|-----------------------------------------------------------------------------|------|----|------|--------|-----|
|                     |       | D1                                                              | THREAD  | C1 | THREAD   | C2                                                                          | L1   | L2 | BODY |        |     |
| D7801-L06-02-NW0-RR | LIGHT | 6                                                               | M12X1.5 | 14 | 1/8-28   | 14                                                                          | 29   | 21 | 14   | 0.1279 | 315 |
| D7801-L08-04-NW0-RR |       | 8                                                               | M14X1.5 | 17 | 1/4-19   | 19                                                                          | 31   | 23 | 14   | 0.1962 | 315 |
| D7801-L10-04-NW0-RR |       | 10                                                              | M16X1.5 | 19 | 1/4-19   | 19                                                                          | 32   | 24 | 19   | 0.269  | 315 |
| D7801-L10-06-NW0-RR |       | 10                                                              | M16X1.5 | 19 | 3/8-19   | 19                                                                          | 32   | 24 | 19   | 0.2866 | 315 |
| D7801-L12-06-NW0-RR |       | 12                                                              | M18X1.5 | 22 | 3/8-19   | 22                                                                          | 34   | 26 | 19   | 0.3175 | 250 |
| D7801-L15-08-NW0-RR |       | 15                                                              | M22X1.5 | 27 | 1/2-14   | 27                                                                          | 36.5 | 28 | 22   | 0.485  | 250 |
| D7801-L18-08-NW0-RR |       | 18                                                              | M26X1.5 | 32 | 1/2-14   | 27                                                                          | 40.5 | 31 | 27   | 0.6967 | 250 |
| D7801-L22-12-NW0-RR |       | 22                                                              | M30X2.0 | 36 | 3/4-14   | 36                                                                          | 45.5 | 35 | 30   | 0.9921 | 160 |
| D7801-L28-16-NW0-RR |       | 28                                                              | M36X2.0 | 41 | 1-11     | 41                                                                          | 49   | 38 | 36   | 1.455  | 160 |
| D7801-L35-20-NW0-RR |       | 35                                                              | M45X2.0 | 50 | 1-1/4-11 | 50                                                                          | 60   | 48 | 50   | 3.049  | 160 |
| D7801-L42-24-NW0-RR | HEAVY | 42                                                              | M52X2.0 | 60 | 1-1/2-11 | 55                                                                          | 61   | 49 | 50   | 3.1724 | 160 |
| D7801-S06-04-NW0-RR |       | 6                                                               | M14X1.5 | 17 | 1/4-19   | 19                                                                          | 30   | 22 | 14   | 0.2072 | 315 |
| D7801-S08-04-NW0-RR |       | 8                                                               | M16X1.5 | 19 | 1/4-19   | 19                                                                          | 32   | 24 | 19   | 0.2844 | 315 |
| D7801-S10-06-NW0-RR |       | 10                                                              | M18X1.5 | 22 | 3/8-19   | 22                                                                          | 34   | 25 | 19   | 0.3395 | 250 |
| D7801-S12-04-NW0-RR |       | 12                                                              | M20X1.5 | 24 | 1/4-19   | 19                                                                          | 38   | 29 | 22   | 0.4211 | 250 |
| D7801-S12-06-NW0-RR |       | 12                                                              | M20X1.5 | 24 | 3/8-19   | 22                                                                          | 38   | 29 | 22   | 0.4409 | 250 |
| D7801-S14-08-NW0-RR |       | 14                                                              | M22X1.5 | 27 | 1/2-14   | 27                                                                          | 40   | 30 | 22   | 0.5335 | 250 |
| D7801-S16-08-NW0-RR |       | 16                                                              | M24X1.5 | 30 | 1/2-14   | 27                                                                          | 43   | 33 | 27   | 0.7275 | 250 |
| D7801-S20-12-NW0-RR |       | 20                                                              | M30X2.0 | 36 | 3/4-14   | 36                                                                          | 50   | 38 | 30   | 1.1089 | 250 |
| D7801-S25-16-NW0-RR |       | 25                                                              | M36X2.0 | 46 | 1-11     | 41                                                                          | 55   | 42 | 36   | 1.8342 | 250 |
| D7801-S30-20-NW0-RR |       | 30                                                              | M42X2.0 | 50 | 1-1/4-11 | 50                                                                          | 63   | 49 | 50   | 3.3356 | 160 |
| D7801-S38-24-NW0-RR |       | 38                                                              | M52X2.0 | 60 | 1-1/2-11 | 55                                                                          | 65.5 | 50 | 50   | 3.6046 | 160 |

# D8501

MBT-MMT 90 ELBOW. MMT (MALE METRIC TAPERED) (WEV M - KEG)

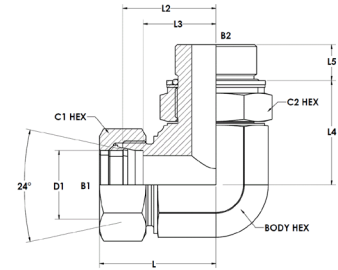


| Part #       | CODE        | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>TAPERED<br>DIN 3852-1<br>FORM C |         |      | L1 | L2 | BODY   | WT  | BAR |
|--------------|-------------|-----------------------------------------------------------------|---------|----|------------------------------------------------------|---------|------|----|----|--------|-----|-----|
|              |             | D1                                                              | THREAD  | C1 | D2                                                   | THREAD  |      |    |    |        |     |     |
| D8501-E04-06 | EXTRA LIGHT | 4                                                               | M08X1.0 | 10 | 2                                                    | M06X1.0 | 21   | 15 | 11 | 0.0485 | 100 |     |
| D8501-E04-08 |             | 4                                                               | M08X1.0 | 10 | 3                                                    | M08X1.0 | 21   | 15 | 9  | 0.034  | 100 |     |
| D8501-E06-06 |             | 6                                                               | M10X1.0 | 12 | 2.5                                                  | M06X1.0 | 20.8 | 15 | 11 | 0.05   | 100 |     |
| D8501-E06-08 |             | 6                                                               | M10X1.0 | 12 | 3                                                    | M08X1.0 | 21   | 15 | 11 | 0.054  | 100 |     |
| D8501-E08-10 | LIGHT       | 8                                                               | M12X1.0 | 12 | 6                                                    | M10X1.0 | 21   | 15 | 9  | 0.0407 | 100 |     |
| D8501-L06-10 |             | 6                                                               | M12X1.5 | 14 | 4                                                    | M10X1.0 | 27   | 19 | 12 | 0.0763 | 315 |     |
| D8501-L08-12 |             | 8                                                               | M14X1.5 | 17 | 6                                                    | M12X1.5 | 29   | 21 | 12 | 0.1051 | 315 |     |
| D8501-L10-14 |             | 10                                                              | M16X1.5 | 19 | 7                                                    | M14X1.5 | 30   | 22 | 14 | 0.1391 | 315 |     |
| D8501-L12-16 | HEAVY       | 12                                                              | M18X1.5 | 22 | 9                                                    | M16X1.5 | 32   | 24 | 17 | 0.1807 | 315 |     |
| D8501-L12-18 |             | 12                                                              | M18X1.5 | 22 |                                                      | M18X1.5 | 32   | 24 | 17 | 0.1926 | 315 |     |
| D8501-L15-18 |             | 15                                                              | M22X1.5 | 27 | 11                                                   | M18X1.5 | 36.5 | 28 | 19 | 0.2939 | 315 |     |
| D8501-L18-22 |             | 18                                                              | M26X1.5 | 32 | 14                                                   | M22X1.5 | 40.5 | 31 | 24 | 0.4395 | 315 |     |
| D8501-S06-12 |             | 6                                                               | M14X1.5 | 17 | 4                                                    | M12X1.5 | 31   | 23 | 12 | 0.129  | 400 |     |
| D8501-S08-14 |             | 8                                                               | M16X1.5 | 19 | 5                                                    | M14X1.5 | 32   | 24 | 14 | 0.1672 | 400 |     |
| D8501-S10-16 |             | 10                                                              | M18X1.5 | 22 | 7                                                    | M16X1.5 | 34   | 25 | 17 | 0.2231 | 400 |     |
| D8501-S12-18 |             | 12                                                              | M20X1.5 | 24 | 8                                                    | M18X1.5 | 38   | 29 | 17 | 0.2719 | 400 |     |
| D8501-S14-20 |             | 14                                                              | M22X1.5 | 27 | 10                                                   | M20X1.5 | 40   | 30 | 19 | 0.3725 | 400 |     |
| D8501-S16-22 |             | 16                                                              | M24X1.5 | 30 | 12                                                   | M22X1.5 | 43   | 33 | 24 | 0.4785 | 400 |     |

# D8801-NW0-RR

MBT-MMAORB RR 90 ELBOW

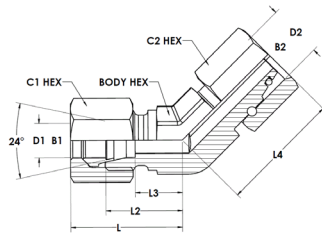
MALE METRIC ADJUSTABLE O-RING BOSS WITH RETAINING RING (WEE M)



| Part #              | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>MALE METRIC<br>ADJUSTABLE<br>ORR<br>ISO 6149-2/3,<br>ISO 9974-1 |    |      | L1 | L2 | BODY   | WT  | BAR |
|---------------------|-------|-----------------------------------------------------------------|---------|----|-----------------------------------------------------------------------|----|------|----|----|--------|-----|-----|
|                     |       | D1                                                              | THREAD  | C1 | THREAD                                                                | C2 |      |    |    |        |     |     |
| D8801-L06-10-NW0-RR | LIGHT | 6                                                               | M12X1.5 | 14 | M10X1.0                                                               | 14 | 29   | 21 | 14 | 0.1279 | 315 |     |
| D8801-L08-12-NW0-RR |       | 8                                                               | M14X1.5 | 17 | M12X1.5                                                               | 17 | 31   | 23 | 14 | 0.1808 | 315 |     |
| D8801-L10-14-NW0-RR |       | 10                                                              | M16X1.5 | 19 | M14X1.5                                                               | 19 | 32   | 24 | 19 | 0.2756 | 315 |     |
| D8801-L12-16-NW0-RR |       | 12                                                              | M18X1.5 | 22 | M16X1.5                                                               | 22 | 34   | 26 | 19 | 0.3175 | 315 |     |
| D8801-L15-18-NW0-RR |       | 15                                                              | M22X1.5 | 27 | M18X1.5                                                               | 24 | 36.5 | 28 | 22 | 0.4586 | 315 |     |
| D8801-L18-22-NW0-RR |       | 18                                                              | M26X1.5 | 32 | M22X1.5                                                               | 27 | 40.5 | 31 | 27 | 0.7143 | 250 |     |
| D8801-L22-27-NW0-RR |       | 22                                                              | M30X2.0 | 36 | M27X2.0                                                               | 32 | 45.5 | 35 | 30 | 0.9414 | 160 |     |
| D8801-L28-33-NW0-RR |       | 28                                                              | M36X2.0 | 41 | M33X2.0                                                               | 41 | 49   | 38 | 36 | 1.4661 | 160 |     |
| D8801-L35-42-NW0-RR | HEAVY | 35                                                              | M45X2.0 | 50 | M42X2.0                                                               | 50 | 60   | 48 | 50 | 3.0732 | 160 |     |
| D8801-L42-48-NW0-RR |       | 42                                                              | M52X2.0 | 60 | M48X2.0                                                               | 55 | 61   | 49 | 50 | 3.1614 | 160 |     |
| D8801-S06-12-NW0-RR |       | 6                                                               | M14X1.5 | 17 | M12X1.5                                                               | 17 | 30   | 22 | 14 | 0.1896 | 315 |     |
| D8801-S08-14-NW0-RR |       | 8                                                               | M16X1.5 | 19 | M14X1.5                                                               | 19 | 32   | 24 | 19 | 0.291  | 315 |     |
| D8801-S10-16-NW0-RR |       | 10                                                              | M18X1.5 | 22 | M16X1.5                                                               | 22 | 34   | 25 | 19 | 0.3395 | 315 |     |
| D8801-S12-18-NW0-RR |       | 12                                                              | M20X1.5 | 24 | M18X1.5                                                               | 24 | 38   | 29 | 22 | 0.4608 | 315 |     |
| D8801-S14-22-NW0-RR |       | 14                                                              | M22X1.5 | 27 | M22X1.5                                                               | 27 | 40   | 30 | 22 | 0.549  | 315 |     |
| D8801-S16-22-NW0-RR |       | 16                                                              | M24X1.5 | 30 | M22X1.5                                                               | 27 | 43   | 33 | 27 | 0.7474 | 250 |     |
| D8801-S20-27-NW0-RR |       | 20                                                              | M30X2.0 | 36 | M27X2.0                                                               | 32 | 50   | 38 | 30 | 1.0538 | 250 |     |
| D8801-S25-33-NW0-RR |       | 25                                                              | M36X2.0 | 46 | M33X2.0                                                               | 41 | 55   | 42 | 36 | 1.8431 | 160 |     |
| D8801-S30-42-NW0-RR |       | 30                                                              | M42X2.0 | 50 | M42X2.0                                                               | 50 | 63   | 49 | 50 | 3.3598 | 160 |     |
| D8801-S38-48-NW0-RR |       | 38                                                              | M52X2.0 | 60 | M48X2.0                                                               | 55 | 65.5 | 50 | 50 | 3.5869 | 160 |     |

# D6502

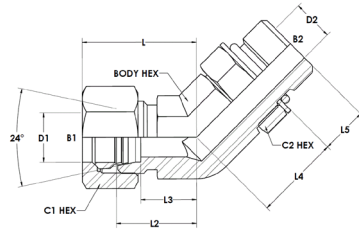
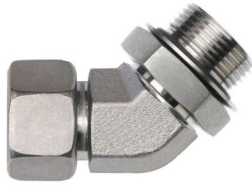
MBT-FMS 45 ELBOW (EWVD 45)



| Part #        | CODE  | B1<br>DIN METRIC TUBE<br>COMPRESSION<br>DIN 2353, ISO<br>8434-1 |         |    | B2<br>FEMALE METRIC<br>SWIVEL DIN 24DEG<br>DIN 2353, ISO<br>8434-1 |         |    | L1   | L2   | BODY | WT     | BAR |
|---------------|-------|-----------------------------------------------------------------|---------|----|--------------------------------------------------------------------|---------|----|------|------|------|--------|-----|
|               |       | D1                                                              | THREAD  | C1 | D2                                                                 | THREAD  | C2 |      |      |      |        |     |
| D6502-L06-L06 | LIGHT | 6                                                               | M12X1.5 | 14 | 6                                                                  | M12X1.5 | 17 | 24   | 16   | 14   | 0.1382 | 500 |
| D6502-L08-L08 |       | 8                                                               | M14X1.5 | 17 | 8                                                                  | M14X1.5 | 17 | 27   | 19   | 14   | 0.1534 | 500 |
| D6502-L10-L10 |       | 10                                                              | M16X1.5 | 19 | 10                                                                 | M16X1.5 | 19 | 27   | 19   | 19   | 0.226  | 500 |
| D6502-L12-L12 |       | 12                                                              | M18X1.5 | 22 | 12                                                                 | M18X1.5 | 22 | 29   | 21   | 19   | 0.2701 | 400 |
| D6502-L15-L15 |       | 15                                                              | M22X1.5 | 27 | 15                                                                 | M22X1.5 | 27 | 32.5 | 24   | 22   | 0.4086 | 400 |
| D6502-L18-L18 |       | 18                                                              | M26X1.5 | 32 | 18                                                                 | M26X1.5 | 32 | 33.5 | 24   | 27   | 0.6287 | 400 |
| D6502-L22-L22 |       | 22                                                              | M30X2.0 | 36 | 22                                                                 | M30X2.0 | 36 | 36.5 | 26   | 30   | 0.8227 | 250 |
| D6502-L28-L28 |       | 28                                                              | M36X2.0 | 41 | 28                                                                 | M36X2.0 | 41 | 41.5 | 30.5 | 36   | 1.0875 | 250 |
| D6502-L35-L35 |       | 35                                                              | M45X2.0 | 50 | 35                                                                 | M45X2.0 | 50 | 49   | 37   | 50   | 2.2318 | 250 |
| D6502-L42-L42 |       | 42                                                              | M52X2.0 | 60 | 42                                                                 | M52X2.0 | 60 | 49   | 37   | 50   | 2.4824 | 250 |
| D6502-S06-S06 | HEAVY | 6                                                               | M14X1.5 | 17 | 6                                                                  | M14X1.5 | 17 | 25.5 | 17.5 | 14   | 0.163  | 800 |
| D6502-S08-S08 |       | 8                                                               | M16X1.5 | 19 | 8                                                                  | M16X1.5 | 19 | 28   | 20   | 19   | 0.2434 | 800 |
| D6502-S10-S10 |       | 10                                                              | M18X1.5 | 22 | 10                                                                 | M18X1.5 | 22 | 30   | 21   | 19   | 0.2985 | 800 |
| D6502-S12-S12 |       | 12                                                              | M20X1.5 | 24 | 12                                                                 | M20X1.5 | 24 | 33   | 24   | 22   | 0.3954 | 630 |
| D6502-S14-S14 |       | 14                                                              | M22X1.5 | 27 | 14                                                                 | M22X1.5 | 27 | 34   | 24   | 22   | 0.4725 | 630 |
| D6502-S16-S16 |       | 16                                                              | M24X1.5 | 30 | 16                                                                 | M24X1.5 | 30 | 34   | 24   | 27   | 0.6382 | 630 |
| D6502-S20-S20 |       | 20                                                              | M30X2.0 | 36 | 20                                                                 | M30X2.0 | 36 | 38.5 | 26.5 | 30   | 0.9792 | 420 |
| D6502-S25-S25 |       | 25                                                              | M36X2.0 | 46 | 25                                                                 | M36X2.0 | 46 | 43.5 | 30.5 | 36   | 1.7106 | 420 |
| D6502-S30-S30 |       | 30                                                              | M42X2.0 | 50 | 30                                                                 | M42X2.0 | 50 | 51   | 37   | 50   | 2.6694 | 420 |
| D6502-S38-S38 |       | 38                                                              | M52X2.0 | 60 | 38                                                                 | M52X2.0 | 60 | 52.5 | 37   | 50   | 3.1079 | 420 |

# D6802-NWO

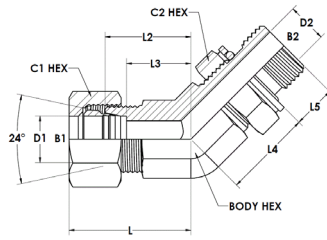
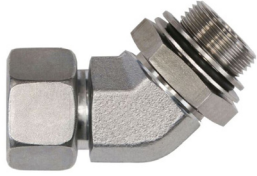
MBT-MAORB 45° (VEE - UNF)



| Part #           | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE SAE ADJUSTABLE ORING BOSS<br>SAE J514, ISO 11926 |              |    | L1   | L2   | BODY | WT     | BAR |
|------------------|-------|-----------------------------------------------------------|---------|----|-------------------------------------------------------------|--------------|----|------|------|------|--------|-----|
|                  |       | D1                                                        | THREAD  | C1 | D2                                                          | THREAD       | C2 |      |      |      |        |     |
|                  |       |                                                           |         |    |                                                             |              |    |      |      |      |        |     |
| D6802-L06-04-NWO | LIGHT | 6                                                         | M12X1.5 | 14 | 4.5                                                         | 7/16-20 UNF  | 17 | 24   | 16   | 14   | 0.1325 | 315 |
| D6802-L08-04-NWO |       | 8                                                         | M14X1.5 | 17 | 4.5                                                         | 7/16-20 UNF  | 17 | 27   | 19   | 14   | 0.1534 | 315 |
| D6802-L10-06-NWO |       | 10                                                        | M16X1.5 | 19 | 7.5                                                         | 9/16-18 UNF  | 19 | 27   | 19   | 19   | 0.2298 | 315 |
| D6802-L12-06-NWO |       | 12                                                        | M18X1.5 | 22 | 7.5                                                         | 9/16-18 UNF  | 19 | 29   | 21   | 19   | 0.2576 | 250 |
| D6802-L12-08-NWO |       | 12                                                        | M18X1.5 | 22 | 10                                                          | 3/4-16 UNF   | 24 | 29   | 21   | 19   | 0.3157 | 250 |
| D6802-L15-08-NWO |       | 15                                                        | M22X1.5 | 27 | 10                                                          | 3/4-16 UNF   | 24 | 32.5 | 24   | 22   | 0.4104 | 250 |
| D6802-L15-10-NWO |       | 15                                                        | M22X1.5 | 27 | 12.5                                                        | 7/8-14 UNF   | 27 | 32.5 | 24   | 27   | 0.5598 | 250 |
| D6802-L18-10-NWO |       | 18                                                        | M26X1.5 | 32 | 12.5                                                        | 7/8-14 UNF   | 27 | 33.5 | 24   | 27   | 0.6293 | 250 |
| D6802-L18-12-NWO |       | 18                                                        | M26X1.5 | 32 | 15.5                                                        | 1 1/16-12 UN | 36 | 33.5 | 24   | 30   | 0.8552 | 250 |
| D6802-L22-12-NWO |       | 22                                                        | M30X2.0 | 36 | 15.5                                                        | 1 1/16-12 UN | 36 | 36.5 | 26   | 30   | 0.9287 | 160 |
| D6802-L28-16-NWO |       | 28                                                        | M36X2.0 | 41 | 21.5                                                        | 1 5/16-12 UN | 41 | 41.5 | 30.5 | 36   | 1.2269 | 160 |
| D6802-L35-20-NWO |       | 35.3                                                      | M45X2.0 | 50 | 27.5                                                        | 1 5/8-12 UN  | 50 | 49   | 37   | 50   | 2.2423 | 160 |
| D6802-L42-24-NWO |       | 42.3                                                      | M52X2.0 | 60 | 33.5                                                        | 1 7/8-12 UN  | 55 | 49   | 37   | 50   | 2.3572 | 160 |
| D6802-S06-04-NWO | HEAVY | 6                                                         | M14X1.5 | 17 | 4.5                                                         | 7/16-20 UNF  | 17 | 25.5 | 17.5 | 14   | 0.1633 | 315 |
| D6802-S08-06-NWO |       | 8                                                         | M16X1.5 | 19 | 7.5                                                         | 9/16-18 UNF  | 19 | 28   | 20   | 19   | 0.2419 | 315 |
| D6802-S10-06-NWO |       | 10                                                        | M18X1.5 | 22 | 7.5                                                         | 9/16-18 UNF  | 19 | 30   | 21   | 19   | 0.273  | 250 |
| D6802-S12-08-NWO |       | 12                                                        | M20X1.5 | 24 | 10                                                          | 3/4-16 UNF   | 24 | 33   | 24   | 22   | 0.3985 | 250 |
| D6802-S14-08-NWO |       | 14                                                        | M22X1.5 | 27 | 10                                                          | 3/4-16 UNF   | 24 | 34   | 24   | 22   | 0.4656 | 250 |
| D6802-S16-10-NWO |       | 16                                                        | M24X1.5 | 30 | 12.5                                                        | 7/8-14 UNF   | 27 | 34   | 24   | 27   | 0.6389 | 250 |
| D6802-S20-12-NWO |       | 20                                                        | M30X2.0 | 36 | 15.5                                                        | 1 1/16-12 UN | 36 | 38.5 | 26.5 | 30   | 1.0115 | 250 |
| D6802-S25-12-NWO |       | 25                                                        | M36X2.0 | 46 | 15.5                                                        | 1 1/16-12 UN | 36 | 43.5 | 30.5 | 36   | 1.4903 | 250 |
| D6802-S30-20-NWO |       | 30                                                        | M42X2.0 | 50 | 27.5                                                        | 1 5/8-12 UN  | 50 | 51   | 37   | 50   | 2.4613 | 160 |
| D6802-S38-24-NWO |       | 38.3                                                      | M52X2.0 | 60 | 33.5                                                        | 1 7/8-12 UN  | 55 | 52.5 | 37   | 50   | 2.7218 | 160 |

# D7802-NW0-RR

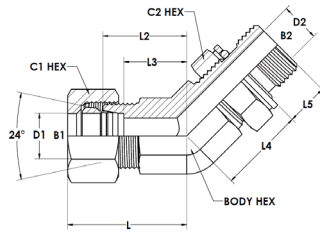
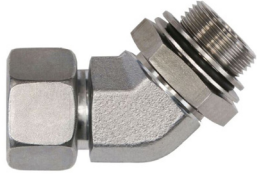
MBT-MBSPPADJ 45 (VEE R)



|                     |       | B1                          |         |    | B2                        |        |    |      |      |      |        |     |
|---------------------|-------|-----------------------------|---------|----|---------------------------|--------|----|------|------|------|--------|-----|
|                     |       | DIN METRIC TUBE COMPRESSION |         |    | MALE MBSPP ADJUSTABLE ORR |        |    |      |      |      |        |     |
|                     |       | DIN 2353, ISO 8434-1        |         |    | ISO 1179                  |        |    |      |      |      |        |     |
| Part #              | CODE  | D1                          | THREAD  | C1 | D2                        | THREAD | C2 | L1   | L2   | BODY | WT     | BAR |
| D7802-L06-02-NWO-RR | LIGHT | 6                           | M12X1.5 | 14 | 4                         | G1/8   | 14 | 24   | 16   | 14   | 0.1189 | 315 |
| D7802-L08-04-NWO-RR |       | 8                           | M14X1.5 | 17 | 5                         | G1/4   | 19 | 27   | 19   | 14   | 0.1787 | 315 |
| D7802-L10-04-NWO-RR |       | 10                          | M16X1.5 | 19 | 5                         | G1/4   | 19 | 27   | 19   | 19   | 0.2415 | 315 |
| D7802-L12-06-NWO-RR |       | 12                          | M18X1.5 | 22 | 8                         | G3/8   | 22 | 29   | 21   | 19   | 0.2997 | 250 |
| D7802-L15-08-NWO-RR |       | 15                          | M22X1.5 | 27 | 12                        | G1/2   | 27 | 32.5 | 24   | 22   | 0.45   | 250 |
| D7802-L18-08-NWO-RR |       | 18                          | M26X1.5 | 32 | 12                        | G1/2   | 27 | 33.5 | 24   | 27   | 0.6304 | 250 |
| D7802-L22-12-NWO-RR |       | 22                          | M30X2.0 | 36 | 16                        | G3/4   | 36 | 36.5 | 26   | 30   | 0.9091 | 160 |
| D7802-L28-16-NWO-RR |       | 28                          | M36X2.0 | 41 | 20                        | G1     | 41 | 41.5 | 30.5 | 36   | 1.277  | 160 |
| D7802-L35-20-NWO-RR |       | 35.3                        | M45X2.0 | 50 | 25                        | G1.1/4 | 50 | 49   | 37   | 50   | 2.4117 | 160 |
| D7802-L42-24-NWO-RR |       | 42.3                        | M52X2.0 | 60 | 32                        | G1.1/2 | 55 | 49   | 37   | 50   | 2.6184 | 160 |
| D7802-S06-04-NWO-RR | HEAVY | 6                           | M14X1.5 | 17 | 5                         | G1/4   | 19 | 25.5 | 17.5 | 14   | 0.186  | 315 |
| D7802-S08-04-NWO-RR |       | 8                           | M16X1.5 | 19 | 5                         | G1/4   | 19 | 28   | 20   | 19   | 0.2487 | 315 |
| D7802-S10-06-NWO-RR |       | 10                          | M18X1.5 | 22 | 8                         | G3/8   | 22 | 30   | 21   | 19   | 0.3121 | 250 |
| D7802-S12-06-NWO-RR |       | 12                          | M20X1.5 | 24 | 8                         | G3/8   | 22 | 33   | 24   | 22   | 0.3772 | 250 |
| D7802-S14-08-NWO-RR |       | 14                          | M22X1.5 | 27 | 12                        | G1/2   | 27 | 34   | 24   | 22   | 0.4923 | 250 |
| D7802-S16-08-NWO-RR |       | 16                          | M24X1.5 | 30 | 12                        | G1/2   | 27 | 34   | 24   | 27   | 0.6338 | 250 |
| D7802-S20-12-NWO-RR |       | 20                          | M30X2.0 | 36 | 16                        | G3/4   | 36 | 38.5 | 26.5 | 30   | 0.9561 | 250 |
| D7802-S25-16-NWO-RR |       | 25                          | M36X2.0 | 46 | 20                        | G1     | 41 | 43.5 | 30.5 | 36   | 1.5772 | 250 |
| D7802-S30-20-NWO-RR |       | 30                          | M42X2.0 | 50 | 25                        | G1.1/4 | 50 | 51   | 37   | 50   | 2.6355 | 160 |
| D7802-S38-24-NWO-RR |       | 38.3                        | M52X2.0 | 60 | 32                        | G1.1/2 | 55 | 52.5 | 37   | 50   | 2.9867 | 160 |

# D8802-NWO-RR

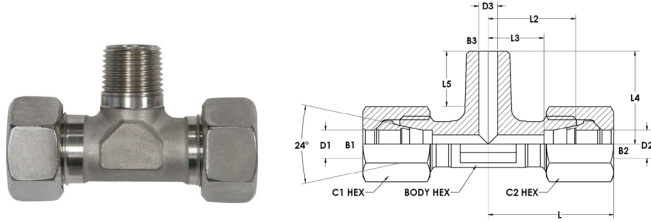
MBT-MMADJ 45° (VEE M)



| Part #              | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE METRIC ADJUSTABLE ORR<br>ISO 6149-2/3, ISO 9974-1 |         |    | L1   | L2   | BODY | WT     | BAR |
|---------------------|-------|-----------------------------------------------------------|---------|----|--------------------------------------------------------------|---------|----|------|------|------|--------|-----|
|                     |       | D1                                                        | THREAD  | C1 | D2                                                           | THREAD  | C2 |      |      |      |        |     |
|                     |       |                                                           |         |    |                                                              |         |    |      |      |      |        |     |
| D8802-L06-10-NWO-RR | LIGHT | 6                                                         | M12X1.5 | 14 | 4                                                            | M10X1.0 | 14 | 24   | 16   | 14   | 0.1186 | 315 |
| D8802-L08-12-NWO-RR |       | 8                                                         | M14X1.5 | 17 | 4                                                            | M12X1.5 | 17 | 27   | 19   | 14   | 0.1624 | 315 |
| D8802-L10-14-NWO-RR |       | 10                                                        | M16X1.5 | 19 | 5                                                            | M14X1.5 | 19 | 27   | 19   | 19   | 0.2384 | 315 |
| D8802-L12-16-NWO-RR |       | 12                                                        | M18X1.5 | 22 | 7                                                            | M16X1.5 | 22 | 29   | 21   | 19   | 0.2873 | 315 |
| D8802-L15-18-NWO-RR |       | 15                                                        | M22X1.5 | 27 | 8                                                            | M18X1.5 | 24 | 32.5 | 24   | 22   | 0.4096 | 315 |
| D8802-L18-22-NWO-RR |       | 18                                                        | M26X1.5 | 32 | 12                                                           | M22X1.5 | 27 | 33.5 | 24   | 27   | 0.6133 | 250 |
| D8802-L22-27-NWO-RR |       | 22                                                        | M30X2.0 | 36 | 16                                                           | M27X2.0 | 32 | 36.5 | 26   | 30   | 0.8001 | 160 |
| D8802-L28-33-NWO-RR |       | 28                                                        | M36X2.0 | 41 | 20                                                           | M33X2.0 | 41 | 41.5 | 30.5 | 36   | 1.2331 | 160 |
| D8802-L35-42-NWO-RR |       | 35.3                                                      | M45X2.0 | 50 | 25                                                           | M42X2.0 | 50 | 49   | 37   | 50   | 2.4162 | 160 |
| D8802-L42-48-NWO-RR |       | 42.3                                                      | M52X2.0 | 60 | 32                                                           | M48X2.0 | 55 | 49   | 37   | 50   | 2.6219 | 160 |
| D8802-S06-12-NWO-RR | HEAVY | 6                                                         | M14X1.5 | 17 | 4                                                            | M12X1.5 | 17 | 25.5 | 17.5 | 14   | 0.1697 | 315 |
| D8802-S08-14-NWO-RR |       | 8                                                         | M16X1.5 | 19 | 5                                                            | M14X1.5 | 19 | 28   | 20   | 19   | 0.2503 | 315 |
| D8802-S10-16-NWO-RR |       | 10                                                        | M18X1.5 | 22 | 7                                                            | M16X1.5 | 22 | 30   | 21   | 19   | 0.312  | 315 |
| D8802-S12-18-NWO-RR |       | 12                                                        | M20X1.5 | 24 | 8                                                            | M18X1.5 | 24 | 33   | 24   | 22   | 0.4165 | 315 |
| D8802-S14-22-NWO-RR |       | 14                                                        | M22X1.5 | 27 | 12                                                           | M22X1.5 | 27 | 34   | 24   | 22   | 0.4971 | 315 |
| D8802-S16-22-NWO-RR |       | 16                                                        | M24X1.5 | 30 | 12                                                           | M22X1.5 | 27 | 34   | 24   | 27   | 0.6319 | 250 |
| D8802-S20-27-NWO-RR |       | 20                                                        | M30X2.0 | 36 | 16                                                           | M27X2.0 | 32 | 38.5 | 26.5 | 30   | 0.9297 | 250 |
| D8802-S25-33-NWO-RR |       | 25                                                        | M36X2.0 | 46 | 20                                                           | M33X2.0 | 41 | 43.5 | 30.5 | 36   | 1.5891 | 160 |
| D8802-S30-42-NWO-RR |       | 30                                                        | M42X2.0 | 50 | 25                                                           | M42X2.0 | 50 | 51   | 37   | 50   | 2.6395 | 160 |
| D8802-S38-48-NWO-RR |       | 38.3                                                      | M52X2.0 | 60 | 32                                                           | M48X2.0 | 55 | 52.5 | 37   | 50   | 2.9905 | 160 |

## D2601

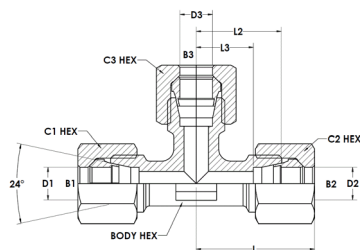
MBT-MBT-MP TEE (TEV - NPT)



|                  |             | B1                          |         |    | B2                          |         |    | B3                |              |      |    |      |       |     |
|------------------|-------------|-----------------------------|---------|----|-----------------------------|---------|----|-------------------|--------------|------|----|------|-------|-----|
|                  |             | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | MALE NPT          |              |      |    |      |       |     |
|                  |             | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | ASME/ANSI B1.20.1 |              |      |    |      |       |     |
| Part #           | CODE        | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                | THREAD       | L1   | L2 | BODY | WT    | BAR |
| D2601-E04-E04-02 | EXTRA LIGHT | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10 | 3                 | 1/8-27       | 21   | 15 | 9.0  | 0.058 | 100 |
| D2601-E06-E06-02 |             | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12 | 4.5               | 1/8-27       | 22   | 16 | 9.0  | 0.066 | 100 |
| D2601-E08-E08-02 |             | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14 | 6                 | 1/8-27       | 23   | 17 | 12.0 | 0.09  | 100 |
| D2601-L06-L06-02 |             | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 4                 | 1/8-27       | 27   | 19 | 12.0 | 0.123 | 315 |
| D2601-L06-L06-04 | LIGHT       | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 4                 | 1/4-18       | 27   | 19 | 12.0 | 0.143 | 315 |
| D2601-L08-L08-04 |             | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 6                 | 1/4-18       | 29   | 21 | 12.0 | 0.177 | 315 |
| D2601-L10-L10-04 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 7                 | 1/4-18       | 30   | 22 | 14.0 | 0.217 | 315 |
| D2601-L10-L10-06 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 8                 | 3/8-18       | 31   | 23 | 14.0 | 0.236 | 315 |
| D2601-L10-L10-08 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 11                | 1/2-14       | 36   | 28 | 19.0 | 0.382 | 315 |
| D2601-L12-L12-04 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 7                 | 1/4-18       | 32   | 24 | 17.0 | 0.283 | 315 |
| D2601-L12-L12-06 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 9                 | 3/8-18       | 32   | 24 | 17.0 | 0.291 | 315 |
| D2601-L12-L12-08 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 10                | 1/2-14       | 36   | 28 | 19.0 | 0.417 | 315 |
| D2601-L15-L15-06 |             | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 10                | 3/8-18       | 38.5 | 30 | 19.0 | 0.512 | 315 |
| D2601-L15-L15-08 |             | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 11                | 1/2-14       | 36.5 | 28 | 19.0 | 0.497 | 315 |
| D2601-L18-L18-08 |             | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 14                | 1/2-14       | 40.5 | 31 | 24.0 | 0.694 | 315 |
| D2601-L22-L22-12 |             | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 18                | 3/4-14       | 45.5 | 35 | 27.0 | 0.962 | 160 |
| D2601-L28-L28-16 |             | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 23                | 1-11-1/2     | 49   | 38 | 36.0 | 1.327 | 160 |
| D2601-L35-L35-20 |             | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 30                | 1-1/4-11-1/2 | 58   | 46 | 41.0 | 2.058 | 160 |
| D2601-L42-L42-24 |             | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 36                | 1-1/2-11-1/2 | 63   | 51 | 50.0 | 2.988 | 160 |
| D2601-S06-S06-04 | HEAVY       | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 4                 | 1/4-18       | 31   | 23 | 12.0 | 0.218 | 630 |
| D2601-S08-S08-04 |             | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 5                 | 1/4-18       | 32   | 24 | 14.0 | 0.257 | 630 |
| D2601-S10-S10-04 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 5                 | 1/4-18       | 34   | 25 | 17.0 | 0.353 | 630 |
| D2601-S10-S10-06 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 7                 | 3/8-18       | 34   | 25 | 17.0 | 0.364 | 630 |
| D2601-S10-S10-08 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 7                 | 1/2-14       | 34   | 25 | 19.0 | 0.483 | 630 |
| D2601-S12-S12-04 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 7                 | 1/4-18       | 38   | 29 | 17.0 | 0.429 | 630 |
| D2601-S12-S12-06 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 8                 | 3/8-18       | 38   | 29 | 17.0 | 0.434 | 630 |
| D2601-S12-S12-08 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 8                 | 1/2-14       | 38   | 29 | 17.0 | 0.478 | 630 |
| D2601-S14-S14-08 |             | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 10                | 1/2-14       | 40   | 30 | 19.0 | 0.611 | 630 |
| D2601-S16-S16-08 |             | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 12                | 1/2-14       | 43   | 33 | 24.0 | 0.759 | 400 |
| D2601-S20-S20-12 |             | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 16                | 3/4-14       | 49   | 37 | 27.0 | 1.184 | 400 |
| D2601-S25-S25-16 |             | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 20                | 1-11-1/2     | 55   | 42 | 36.0 | 2.162 | 400 |
| D2601-S30-S30-20 |             | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 25                | 1-1/4-11-1/2 | 63.2 | 49 | 41.0 | 2.915 | 315 |
| D2601-S38-S38-24 |             | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 32                | 1-1/2-11-1/2 | 72.5 | 57 | 50.0 | 4.248 | 315 |

# D2603-EQUAL

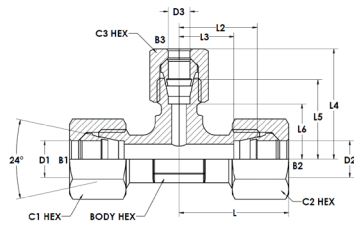
MBT-MBT-MBT EQUAL TEE UNION (TV)



|                   |             | B1                          |         |    | B2                          |         |    | B3                          |         |      |      |      |       |       |     |
|-------------------|-------------|-----------------------------|---------|----|-----------------------------|---------|----|-----------------------------|---------|------|------|------|-------|-------|-----|
|                   |             | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |      |      |      |       |       |     |
|                   |             | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |      |      |      |       |       |     |
| Part #            | CODE        | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                          | THREAD  | C3   | L1   | L2   | BODY  | WT    | BAR |
| D2603-E04-E04-E04 | EXTRA LIGHT | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10   | 21   | 15   | 9.0   | 0.063 | 100 |
| D2603-E06-E06-E06 |             | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12   | 21   | 15   | 9.0   | 0.077 | 100 |
| D2603-E08-E08-E08 |             | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14   | 23   | 17   | 12.0  | 0.107 | 100 |
| D2603-E10-E10-E10 |             | 10                          | M14X1.0 | 17 | 10                          | M14X1.0 | 17 | 10                          | M14X1.0 | 17   | 27.3 | 21.5 | 12.0  | 0.16  | 100 |
| D2603-E12-E12-E12 |             | 12                          | M16X1.0 | 19 | 12                          | M16X1.0 | 19 | 12                          | M16X1.0 | 19   | 28.8 | 21.5 | 14.0  | 0.184 | 100 |
| D2603-L06-L06-L06 | LIGHT       | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14   | 27   | 19   | 12.0  | 0.157 | 500 |
| D2603-L08-L08-L08 |             | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17   | 29   | 21   | 12.0  | 0.209 | 500 |
| D2603-L10-L10-L10 |             | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19   | 30   | 22   | 14.0  | 0.255 | 500 |
| D2603-L12-L12-L12 |             | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22   | 32   | 24   | 17.0  | 0.339 | 400 |
| D2603-L15-L15-L15 |             | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27   | 36.5 | 28   | 19.0  | 0.565 | 400 |
| D2603-L18-L18-L18 |             | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32   | 40.5 | 31   | 24.0  | 0.829 | 400 |
| D2603-L22-L22-L22 |             | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36   | 45.5 | 35   | 27.0  | 1.102 | 250 |
| D2603-L28-L28-L28 |             | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41   | 49   | 38   | 36.0  | 1.486 | 250 |
| D2603-L35-L35-L35 |             | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50   | 57   | 45   | 41.0  | 2.256 | 250 |
| D2603-L42-L42-L42 |             | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60   | 63   | 51   | 50.0  | 3.399 | 250 |
| D2603-S06-S06-S06 | HEAVY       | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17   | 31   | 23   | 12.0  | 0.259 | 800 |
| D2603-S08-S08-S08 |             | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19   | 32   | 24   | 14.0  | 0.317 | 800 |
| D2603-S10-S10-S10 |             | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22   | 34   | 25   | 17.0  | 0.431 | 800 |
| D2603-S12-S12-S12 |             | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24   | 38   | 29   | 17.0  | 0.538 | 630 |
| D2603-S14-S14-S14 |             | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27   | 40   | 30   | 19.0  | 0.713 | 630 |
| D2603-S16-S16-S16 |             | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30   | 43   | 33   | 24.0  | 0.931 | 630 |
| D2603-S20-S20-S20 |             | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36   | 49   | 37   | 27.0  | 1.417 | 420 |
| D2603-S25-S25-S25 |             | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46   | 55   | 42   | 36.0  | 2.597 | 420 |
| D2603-S30-S30-S30 | 30          | M42X2.0                     | 50      | 30 | M42X2.0                     | 50      | 30 | M42X2.0                     | 50      | 63   | 49   | 41.0 | 3.324 | 420   |     |
| D2603-S38-S38-S38 | 38          | M52X2.0                     | 60      | 38 | M52X2.0                     | 60      | 38 | M52X2.0                     | 60      | 72.5 | 57   | 50.0 | 4.99  | 420   |     |

# D2603-REDUCER

MBT-MBT-MBT REDUCING TEE UNION (TRV)



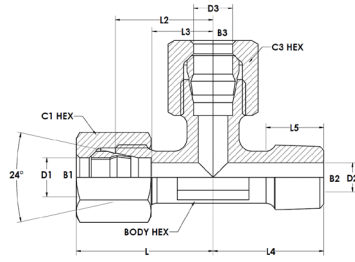
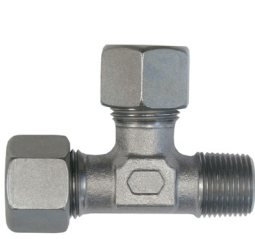
|                   |       | B1                          |         |    | B2                          |         |    | B3                          |         |    |      |    |      |       |     |
|-------------------|-------|-----------------------------|---------|----|-----------------------------|---------|----|-----------------------------|---------|----|------|----|------|-------|-----|
|                   |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    |      |    |      |       |     |
|                   |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    |      |    |      |       |     |
| Part #            | CODE  | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                          | THREAD  | C3 | L1   | L2 | BODY | WT    | BAR |
| D2603-L06-L06-L08 | LIGHT | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 8                           | M14X1.5 | 17 | 29   | 21 | 12.0 | 0.179 | 500 |
| D2603-L06-L06-L10 |       | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 10                          | M16X1.5 | 19 | 30   | 22 | 14.0 | 0.212 | 500 |
| D2603-L08-L08-L06 |       | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 6                           | M12X1.5 | 14 | 29   | 21 | 12.0 | 0.192 | 500 |
| D2603-L08-L08-L10 |       | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 10                          | M16X1.5 | 19 | 30   | 22 | 14.0 | 0.239 | 500 |
| D2603-L08-L08-L12 |       | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 12                          | M18X1.5 | 22 | 32   | 24 | 17.0 | 0.294 | 400 |
| D2603-L10-L06-L10 |       | 10                          | M16X1.5 | 19 | 6                           | M12X1.5 | 14 | 10                          | M16X1.5 | 19 | 30   | 22 | 14.0 | 0.23  | 500 |
| D2603-L10-L10-L06 |       | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 6                           | M12X1.5 | 14 | 30   | 22 | 14.0 | 0.233 | 500 |
| D2603-L10-L10-L08 |       | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 8                           | M14X1.5 | 17 | 30   | 22 | 14.0 | 0.247 | 500 |
| D2603-L10-L10-L15 |       | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 15                          | M22X1.5 | 27 | 36   | 28 | 19.0 | 0.447 | 400 |
| D2603-L12-L08-L08 |       | 12                          | M18X1.5 | 22 | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 32   | 24 | 17.0 | 0.29  | 400 |
| D2603-L12-L08-L12 |       | 12                          | M18X1.5 | 22 | 8                           | M14X1.5 | 17 | 12                          | M18X1.5 | 22 | 32   | 24 | 17.0 | 0.313 | 400 |
| D2603-L12-L10-L10 |       | 12                          | M18X1.5 | 22 | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 32   | 24 | 17.0 | 0.308 | 400 |
| D2603-L12-L10-L12 |       | 12                          | M18X1.5 | 22 | 10                          | M16X1.5 | 19 | 12                          | M18X1.5 | 22 | 32   | 24 | 17.0 | 0.323 | 400 |
| D2603-L12-L12-L06 |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 6                           | M12X1.5 | 14 | 32   | 24 | 17.0 | 0.301 | 400 |
| D2603-L12-L12-L08 |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 8                           | M14X1.5 | 17 | 32   | 24 | 17.0 | 0.315 | 400 |
| D2603-L12-L12-L10 |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 10                          | M16X1.5 | 19 | 32   | 24 | 17.0 | 0.324 | 400 |
| D2603-L12-L12-L15 |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 15                          | M22X1.5 | 27 | 36   | 28 | 19.0 | 0.475 | 400 |
| D2603-L12-L12-L18 |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 18                          | M26X1.5 | 32 | 39   | 31 | 24.0 | 0.647 | 400 |
| D2603-L15-L12-L12 |       | 15                          | M22X1.5 | 27 | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 36.5 | 28 | 19.0 | 0.471 | 400 |
| D2603-L15-L12-L15 |       | 15                          | M22X1.5 | 27 | 12                          | M18X1.5 | 22 | 15                          | M22X1.5 | 27 | 36.5 | 28 | 19.0 | 0.517 | 400 |
| D2603-L15-L15-L06 |       | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 6                           | M12X1.5 | 14 | 36.5 | 28 | 19.0 | 0.484 | 400 |
| D2603-L15-L15-L10 |       | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 10                          | M16X1.5 | 19 | 36.5 | 28 | 19.0 | 0.504 | 400 |
| D2603-L15-L15-L12 |       | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 12                          | M18X1.5 | 22 | 36.5 | 28 | 19.0 | 0.519 | 400 |
| D2603-L15-L15-L18 |       | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 18                          | M26X1.5 | 32 | 39.5 | 31 | 24.0 | 0.735 | 400 |
| D2603-L18-L10-L10 |       | 18                          | M26X1.5 | 32 | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 40.5 | 31 | 24.0 | 0.608 | 400 |
| D2603-L18-L10-L18 |       | 18                          | M26X1.5 | 32 | 10                          | M16X1.5 | 19 | 18                          | M26X1.5 | 32 | 40.5 | 31 | 24.0 | 0.708 | 400 |
| D2603-L18-L18-L10 |       | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 10                          | M16X1.5 | 19 | 40.5 | 31 | 24.0 | 0.717 | 400 |
| D2603-L18-L18-L12 |       | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 12                          | M18X1.5 | 22 | 40.5 | 31 | 24.0 | 0.732 | 400 |
| D2603-L18-L18-L15 |       | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 15                          | M22X1.5 | 27 | 40.5 | 31 | 24.0 | 0.778 | 400 |
| D2603-L22-L15-L15 |       | 22                          | M30X2.0 | 36 | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 45.5 | 35 | 27.0 | 0.928 | 250 |
| D2603-L22-L15-L22 |       | 22                          | M30X2.0 | 36 | 15                          | M22X1.5 | 27 | 22                          | M30X2.0 | 36 | 45.5 | 35 | 27.0 |       |     |
| D2603-L22-L18-L18 |       | 22                          | M30X2.0 | 36 | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 45.5 | 35 | 27.0 | 1.027 | 250 |
| D2603-L22-L18-L22 |       | 22                          | M30X2.0 | 36 | 18                          | M26X1.5 | 32 | 22                          | M30X2.0 | 36 | 45.5 | 35 | 27.0 | 1.058 | 250 |

Continued...

|                   |       | B1                          |         |    | B2                          |         |    | B3                          |         |    |      |    |      |       |     |
|-------------------|-------|-----------------------------|---------|----|-----------------------------|---------|----|-----------------------------|---------|----|------|----|------|-------|-----|
|                   |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    |      |    |      |       |     |
|                   |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    |      |    |      |       |     |
| Part #            | CODE  | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                          | THREAD  | C3 | L1   | L2 | BODY | WT    | BAR |
| D2603-L22-L22-L10 | LIGHT | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 10                          | M16X1.5 | 19 | 45.5 | 35 | 27.0 | 0.957 | 250 |
| D2603-L22-L22-L12 |       | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 12                          | M18X1.5 | 22 | 45.5 | 35 | 27.0 | 0.972 | 250 |
| D2603-L22-L22-L15 |       | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 15                          | M22X1.5 | 27 | 45.5 | 35 | 27.0 | 1.015 | 250 |
| D2603-L22-L22-L18 |       | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 18                          | M26X1.5 | 32 | 45.5 | 35 | 27.0 | 1.065 | 250 |
| D2603-L28-L22-L22 |       | 28                          | M36X2.0 | 41 | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 49   | 38 | 36.0 | 1.448 | 250 |
| D2603-L28-L28-L10 |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 10                          | M16X1.5 | 19 | 49   | 38 | 36.0 | 1.341 | 250 |
| D2603-L28-L28-L12 |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 12                          | M18X1.5 | 22 | 49   | 38 | 36.0 | 1.356 | 250 |
| D2603-L28-L28-L15 |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 15                          | M22X1.5 | 27 | 49   | 38 | 36.0 | 1.395 | 250 |
| D2603-L28-L28-L18 |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 18                          | M26X1.5 | 32 | 49   | 38 | 36.0 | 1.448 | 250 |
| D2603-L28-L28-L22 |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 22                          | M30X2.0 | 36 | 49   | 38 | 36.0 | 1.476 | 250 |
| D2603-L35-L35-L12 |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 12                          | M18X1.5 | 22 | 57   | 45 | 41.0 | 2.152 | 250 |
| D2603-L35-L35-L18 |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 18                          | M26X1.5 | 32 | 57   | 45 | 41.0 | 2.159 | 250 |
| D2603-L35-L35-L22 |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 22                          | M30X2.0 | 36 | 57   | 45 | 41.0 | 2.17  | 250 |
| D2603-L35-L35-L28 |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 28                          | M36X2.0 | 41 | 57   | 45 | 41.0 | 2.18  | 250 |
| D2603-L42-L42-L12 |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 12                          | M18X1.5 | 22 | 63   | 51 | 50.0 | 3.136 | 250 |
| D2603-L42-L42-L22 |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 22                          | M30X2.0 | 36 | 63   | 51 | 50.0 | 3.204 | 250 |
| D2603-L42-L42-L28 |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 28                          | M36X2.0 | 41 | 63   | 51 | 50.0 | 3.211 | 250 |
| D2603-L42-L42-L35 |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 35                          | M45X2.0 | 50 | 63   | 51 | 50.0 | 3.294 | 250 |
| D2603-S12-S12-S08 | HEAVY | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 8                           | M16X1.5 | 22 | 38   | 29 | 17.0 | 0.511 | 630 |
| D2603-S12-S12-S16 |       | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 16                          | M24X1.5 | 30 | 42   | 33 | 24.0 | 0.786 | 630 |
| D2603-S16-S16-S08 |       | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 8                           | M16X1.5 | 19 | 43   | 33 | 24.0 | 0.816 | 630 |
| D2603-S16-S16-S10 |       | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 10                          | M18X1.5 | 22 | 43   | 33 | 24.0 | 0.841 | 630 |
| D2603-S16-S16-S12 |       | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 12                          | M20X1.5 | 24 | 43   | 33 | 24.0 | 0.854 | 630 |
| D2603-S20-S20-S10 |       | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 10                          | M18X1.5 | 22 | 49   | 37 | 27.0 | 1.23  | 420 |
| D2603-S20-S20-S12 |       | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 12                          | M20X1.5 | 24 | 49   | 37 | 27.0 | 1.243 | 420 |
| D2603-S20-S20-S16 |       | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 16                          | M24X1.5 | 30 | 49   | 37 | 27.0 | 1.313 | 420 |
| D2603-S20-S20-S25 |       | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 25                          | M36X2.0 | 46 | 54   | 42 | 36.0 | 2.12  | 420 |
| D2603-S25-S25-S16 |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 16                          | M24X1.5 | 30 | 55   | 42 | 36.0 | 2.268 | 420 |
| D2603-S25-S25-S20 |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 20                          | M30X2.0 | 36 | 55   | 42 | 36.0 | 2.361 | 420 |
| D2603-S25-S25-S30 |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 30                          | M42X2.0 | 50 | 62   | 49 | 41.0 | 3.269 | 420 |
| D2603-S30-S30-S20 |       | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 20                          | M30X2.0 | 36 | 63   | 49 | 41.0 | 3.043 | 420 |
| D2603-S30-S30-S25 |       | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 25                          | M36X2.0 | 46 | 63   | 49 | 41.0 | 3.282 | 420 |
| D2603-S38-S38-S20 |       | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 20                          | M30X2.0 | 36 | 72.5 | 57 | 50.0 | 4.502 | 420 |
| D2603-S38-S38-S25 |       | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 25                          | M36X2.0 | 46 | 72.5 | 57 | 50.0 | 4.721 | 420 |
| D2603-S38-S38-S30 |       | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 30                          | M42X2.0 | 50 | 72.5 | 57 | 50.0 | 4.739 | 420 |

# D2605

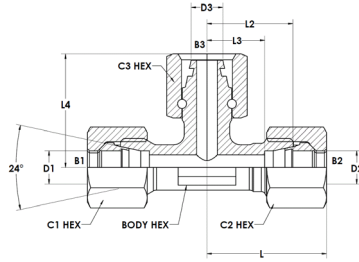
MBT-MP-MBT TEE (LEV - NPT)



| Part #           | CODE        | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE NPT<br>ASME/ANSI B1.20.1 |              |    | B3<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |    |      | L1 | L2   | BODY  | WT  | BAR |
|------------------|-------------|-----------------------------------------------------------|---------|----|-------------------------------------|--------------|----|-----------------------------------------------------------|----|------|----|------|-------|-----|-----|
|                  |             | D1                                                        | THREAD  | C1 | D2                                  | THREAD       | D3 | THREAD                                                    | C3 |      |    |      |       |     |     |
|                  |             |                                                           |         |    |                                     |              |    |                                                           |    |      |    |      |       |     |     |
| D2605-E04-02-E04 | EXTRA LIGHT | 4                                                         | M08X1.0 | 10 | 3                                   | 1/8-27       | 4  | M08X1.0                                                   | 10 | 21   | 15 | 9.0  | 0.058 | 100 |     |
| D2605-E06-02-E06 |             | 6                                                         | M10X1.0 | 12 | 4.5                                 | 1/8-27       | 6  | M10X1.0                                                   | 12 | 21   | 15 | 9.0  | 0.064 | 100 |     |
| D2605-E08-02-E08 |             | 8                                                         | M12X1.0 | 14 | 6                                   | 1/8-27       | 8  | M12X1.0                                                   | 14 | 23   | 17 | 12.0 | 0.092 | 100 |     |
| D2605-L06-02-L06 | LIGHT       | 6                                                         | M12X1.5 | 14 | 4                                   | 1/8-27       | 6  | M12X1.5                                                   | 14 | 27   | 19 | 12.0 | 0.123 | 315 |     |
| D2605-L08-04-L08 |             | 8                                                         | M14X1.5 | 17 | 6                                   | 1/4-18       | 8  | M14X1.5                                                   | 17 | 29   | 21 | 12.0 | 0.178 | 315 |     |
| D2605-L10-04-L10 |             | 10                                                        | M16X1.5 | 19 | 7                                   | 1/4-18       | 10 | M16X1.5                                                   | 19 | 30   | 22 | 14.0 | 0.216 | 315 |     |
| D2605-L12-06-L12 |             | 12                                                        | M18X1.5 | 22 | 9                                   | 3/8-18       | 12 | M18X1.5                                                   | 22 | 32   | 24 | 17.0 | 0.291 | 315 |     |
| D2605-L15-08-L15 |             | 15                                                        | M22X1.5 | 27 | 11                                  | 1/2-14       | 15 | M22X1.5                                                   | 27 | 36.5 | 28 | 19.0 | 0.501 | 315 |     |
| D2605-L18-08-L18 |             | 18                                                        | M26X1.5 | 32 | 11                                  | 1/2-14       | 18 | M26X1.5                                                   | 32 |      | 31 | 24.0 | 0.7   | 315 |     |
| D2605-L22-12-L22 |             | 22                                                        | M30X2.0 | 36 | 18                                  | 3/4-14       | 22 | M30X2.0                                                   | 36 | 45.5 | 35 | 27.0 | 0.958 | 160 |     |
| D2605-L28-16-L28 |             | 28                                                        | M36X2.0 | 41 | 21                                  | 1-11-1/2     | 28 | M36X2.0                                                   | 41 | 49   | 38 | 36.0 | 1.351 | 160 |     |
| D2605-L35-20-L35 |             | 35                                                        | M45X2.0 | 50 | 30                                  | 1-1/4-11-1/2 | 35 | M45X2.0                                                   | 50 | 58   | 46 | 41.0 | 2.033 | 160 |     |
| D2605-L42-24-L42 |             | 42                                                        | M52X2.0 | 60 | 36                                  | 1-1/2-11-1/2 | 42 | M52X2.0                                                   | 60 | 63   | 51 | 50.0 | 2.948 | 160 |     |
| D2605-S06-04-S06 | HEAVY       | 6                                                         | M14X1.5 | 17 | 4                                   | 1/4-18       | 6  | M14X1.5                                                   | 17 | 31   | 23 | 12.0 | 0.217 | 630 |     |
| D2605-S08-04-S08 |             | 8                                                         | M16X1.5 | 19 | 5                                   | 1/4-18       | 8  | M16X1.5                                                   | 19 | 26.8 | 24 | 14.0 | 0.267 | 630 |     |
| D2605-S10-06-S10 |             | 10                                                        | M18X1.5 | 22 | 7                                   | 3/8-18       | 10 | M18X1.5                                                   | 22 | 34   | 25 | 17.0 | 0.364 | 630 |     |
| D2605-S12-06-S12 |             | 12                                                        | M20X1.5 | 24 | 8                                   | 3/8-18       | 12 | M20X1.5                                                   | 24 | 38   | 29 | 17.0 | 0.434 | 630 |     |
| D2605-S14-08-S14 |             | 14                                                        | M22X1.5 | 27 | 10                                  | 1/2-14       | 14 | M22X1.5                                                   | 27 | 40   | 30 | 19.0 | 0.604 | 630 |     |
| D2605-S16-08-S16 |             | 16                                                        | M24X1.5 | 30 | 12                                  | 1/2-14       | 16 | M24X1.5                                                   | 30 | 43   | 33 | 24.0 | 0.755 | 400 |     |
| D2605-S20-12-S20 |             | 20                                                        | M30X2.0 | 36 | 16                                  | 3/4-14       | 20 | M30X2.0                                                   | 36 | 49   | 37 | 27.0 | 1.18  | 400 |     |
| D2605-S25-16-S25 |             | 25                                                        | M36X2.0 | 46 | 20                                  | 1-11-1/2     | 25 | M36X2.0                                                   | 46 | 55   | 42 | 36.0 | 2.147 | 400 |     |
| D2605-S30-20-S30 |             | 30                                                        | M42X2.0 | 50 | 25                                  | 1-1/4-11-1/2 | 30 | M42X2.0                                                   | 50 | 63   | 49 | 41.0 | 2.893 | 315 |     |
| D2605-S38-24-S38 |             | 38                                                        | M52X2.0 | 60 | 32                                  | 1-1/2-11-1/2 | 38 | M52X2.0                                                   | 60 | 72.5 | 57 | 50.0 | 4.208 | 315 |     |

# D6600

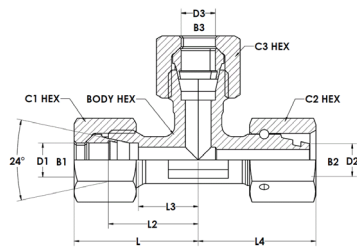
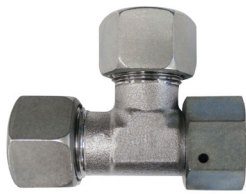
MBT-MBT-FMS TEE (ETVD)



|                   |       | B1                             |         |    | B2                             |         |    | B3                             |         |    |      |    |      |        |     |
|-------------------|-------|--------------------------------|---------|----|--------------------------------|---------|----|--------------------------------|---------|----|------|----|------|--------|-----|
|                   |       | DIN METRIC TUBE COMPRESSION    |         |    | DIN METRIC TUBE COMPRESSION    |         |    | FEMALE METRIC SWIVEL DIN 24DEG |         |    |      |    |      |        |     |
|                   |       | DIN 2353, DIN 3865, ISO 8434-1 |         |    | DIN 2353, DIN 3865, ISO 8434-1 |         |    | DIN 2353, DIN 3865, ISO 8434-1 |         |    |      |    |      |        |     |
| Part #            | CODE  | D1                             | THREAD  | C1 | D2                             | THREAD  | C2 | D3                             | THREAD  | C3 | L1   | L2 | BODY | WT     | BAR |
| D6600-L06-L06-L06 | LIGHT | 6                              | M12X1.5 | 14 | 6                              | M12X1.5 | 14 | 6                              | M12X1.5 | 17 | 27   | 19 | 12   | 0.1674 | 500 |
| D6600-L08-L08-L08 |       | 8                              | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 29   | 21 | 12   | 0.196  | 500 |
| D6600-L10-L10-L10 |       | 10                             | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 30   | 22 | 14   | 0.2522 | 500 |
| D6600-L12-L12-L12 |       | 12                             | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 32   | 24 | 17   | 0.3292 | 400 |
| D6600-L15-L15-L15 |       | 15                             | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 36.5 | 28 | 19   | 0.546  | 400 |
| D6600-L18-L18-L18 |       | 18                             | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 40.5 | 31 | 24   | 0.7833 | 400 |
| D6600-L22-L22-L22 |       | 22                             | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 45.5 | 35 | 27   | 1.0539 | 250 |
| D6600-L28-L28-L28 |       | 28                             | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 49   | 38 | 36   | 1.4032 | 250 |
| D6600-L35-L35-L35 |       | 35                             | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 57   | 45 | 41   | 2.1882 | 250 |
| D6600-L42-L42-L42 |       | 42                             | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 63   | 51 | 50   | 3.2545 | 250 |
| D6600-S06-S06-S06 | HEAVY | 6                              | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 31   | 23 | 12   | 0.2306 | 800 |
| D6600-S08-S08-S08 |       | 8                              | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 32   | 24 | 14   | 0.2922 | 800 |
| D6600-S10-S10-S10 |       | 10                             | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 34   | 25 | 17   | 0.3955 | 800 |
| D6600-S12-S12-S12 |       | 12                             | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 38   | 29 | 17   | 0.4865 | 630 |
| D6600-S14-S14-S14 |       | 14                             | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 40   | 30 | 19   | 0.6625 | 630 |
| D6600-S16-S16-S16 |       | 16                             | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 43   | 33 | 24   | 0.8505 | 630 |
| D6600-S20-S20-S20 |       | 20                             | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 49   | 37 | 27   | 1.3241 | 420 |
| D6600-S25-S25-S25 |       | 25                             | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 55   | 42 | 36   | 2.4219 | 420 |
| D6600-S30-S30-S30 |       | 30                             | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 63   | 49 | 41   | 3.0704 | 420 |
| D6600-S38-S38-S38 |       | 38                             | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 72.5 | 57 | 50   | 4.5096 | 420 |

# D6602

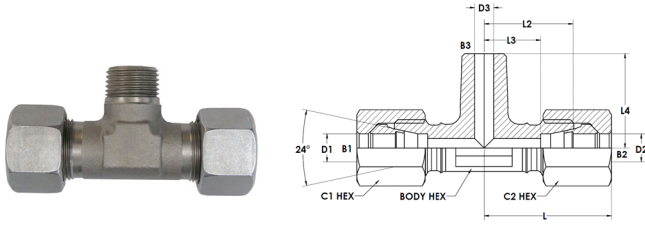
MBT-FMS-MBT TEE (ELVD)



|                   |       | B1                             |         |    | B2                             |         |    | B3                             |         |    |      |    |      |        |     |
|-------------------|-------|--------------------------------|---------|----|--------------------------------|---------|----|--------------------------------|---------|----|------|----|------|--------|-----|
|                   |       | DIN METRIC TUBE COMPRESSION    |         |    | FEMALE METRIC SWIVEL DIN 24DEG |         |    | DIN METRIC TUBE COMPRESSION    |         |    |      |    |      |        |     |
|                   |       | DIN 2353, DIN 3865, ISO 8434-1 |         |    | DIN 2353, DIN 3865, ISO 8434-1 |         |    | DIN 2353, DIN 3865, ISO 8434-1 |         |    |      |    |      |        |     |
| Part #            | CODE  | D1                             | THREAD  | C1 | D2                             | THREAD  | C2 | D3                             | THREAD  | C3 | L1   | L2 | BODY | WT     | BAR |
| D6602-L06-L06-L06 | LIGHT | 6                              | M12X1.5 | 14 | 6                              | M12X1.5 | 17 | 6                              | M12X1.5 | 14 | 27   | 19 | 12   | 0.1672 | 500 |
| D6602-L08-L08-L08 |       | 8                              | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 8                              | M14X1.5 | 17 | 29   | 21 | 12   | 0.1944 | 500 |
| D6602-L10-L10-L10 |       | 10                             | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 10                             | M16X1.5 | 19 | 30   | 22 | 14   | 0.2529 | 500 |
| D6602-L12-L12-L12 |       | 12                             | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 12                             | M18X1.5 | 22 | 32   | 24 | 17   | 0.3261 | 400 |
| D6602-L15-L15-L15 |       | 15                             | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 15                             | M22X1.5 | 27 | 36.5 | 28 | 19   | 0.5463 | 400 |
| D6602-L18-L18-L18 |       | 18                             | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 18                             | M26X1.5 | 32 | 40.5 | 31 | 24   | 0.78   | 400 |
| D6602-L22-L22-L22 |       | 22                             | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 22                             | M30X2.0 | 36 | 45.5 | 35 | 27   | 1.0506 | 250 |
| D6602-L28-L28-L28 |       | 28                             | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 28                             | M36X2.0 | 41 | 49   | 38 | 36   | 1.4187 | 250 |
| D6602-L35-L35-L35 |       | 35                             | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 35                             | M45X2.0 | 50 | 57   | 45 | 41   | 2.1878 | 250 |
| D6602-L42-L42-L42 |       | 42                             | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 42                             | M52X2.0 | 60 | 63   | 51 | 50   | 3.2336 | 250 |
| D6602-S06-S06-S06 | HEAVY | 6                              | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 6                              | M14X1.5 | 17 | 31   | 23 | 12   | 0.2309 | 800 |
| D6602-S08-S08-S08 |       | 8                              | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 8                              | M16X1.5 | 19 | 32   | 24 | 14   | 0.2943 | 800 |
| D6602-S10-S10-S10 |       | 10                             | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 10                             | M18X1.5 | 22 | 34   | 25 | 17   | 0.399  | 800 |
| D6602-S12-S12-S12 |       | 12                             | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 12                             | M20X1.5 | 24 | 38   | 29 | 17   | 0.4864 | 630 |
| D6602-S14-S14-S14 |       | 14                             | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 14                             | M22X1.5 | 27 | 40   | 30 | 19   | 0.6613 | 630 |
| D6602-S16-S16-S16 |       | 16                             | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 16                             | M24X1.5 | 30 | 43   | 33 | 24   | 0.8495 | 630 |
| D6602-S20-S20-S20 |       | 20                             | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 20                             | M30X2.0 | 36 | 49   | 37 | 27   | 1.3183 | 420 |
| D6602-S25-S25-S25 |       | 25                             | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 25                             | M36X2.0 | 46 | 55   | 42 | 36   | 2.4129 | 420 |
| D6602-S30-S30-S30 |       | 30                             | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 30                             | M42X2.0 | 50 | 63   | 49 | 41   | 3.056  | 420 |
| D6602-S38-S38-S38 |       | 38                             | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 38                             | M52X2.0 | 60 | 72.5 | 57 | 50   | 4.5056 | 420 |

# D7601

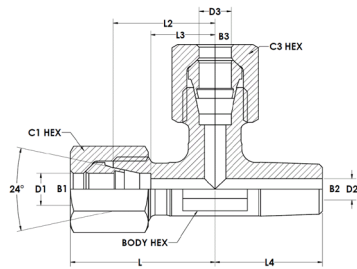
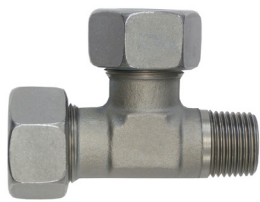
MBT-MBT-MBSPT TEE (TEV R - KEG)



|                  |                | B1                          |         |    | B2                          |         |    | B3                |        |      |    |      |        |     |
|------------------|----------------|-----------------------------|---------|----|-----------------------------|---------|----|-------------------|--------|------|----|------|--------|-----|
|                  |                | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPT (R)     |        |      |    |      |        |     |
|                  |                | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | DIN 3852-2 FORM C |        |      |    |      |        |     |
| Part #           | CODE           | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                | THREAD | L1   | L2 | BODY | WT     | BAR |
| D7601-E04-E04-02 | EXTRA<br>LIGHT | 4                           | M08X1.0 | 10 | 4                           | M08X1.0 | 10 | 3                 | 1/8-28 | 21   | 15 | 9    | 0.057  | 100 |
| D7601-E06-E06-02 |                | 6                           | M10X1.0 | 12 | 6                           | M10X1.0 | 12 | 4.5               | 1/8-28 | 21   | 15 | 9    | 0.0635 | 100 |
| D7601-E08-E08-02 |                | 8                           | M12X1.0 | 14 | 8                           | M12X1.0 | 14 | 6                 | 1/8-28 | 23   | 17 | 12   | 0.0866 | 100 |
| D7601-L06-L06-02 | LIGHT          | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 4                 | 1/8-28 | 27   | 19 | 12   | 0.1222 | 315 |
| D7601-L06-L06-04 |                | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 4                 | 1/4-19 | 29   | 21 | 12   | 0.1463 | 315 |
| D7601-L08-L08-04 |                | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 6                 | 1/4-19 | 29   | 21 | 12   | 0.1723 | 315 |
| D7601-L10-L10-04 |                | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 7                 | 1/4-19 | 30   | 22 | 14   | 0.2168 | 315 |
| D7601-L12-L12-06 |                | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 9                 | 3/8-19 | 32   | 24 | 17   | 0.2816 | 315 |
| D7601-L15-L15-08 |                | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 11                | 1/2-14 | 36.5 | 28 | 19   | 0.4907 | 315 |
| D7601-L18-L18-08 | HEAVY          | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 14                | 1/2-14 | 40.5 | 31 | 24   | 0.6515 | 315 |
| D7601-S06-S06-04 |                | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 4                 | 1/4-19 | 31   | 23 | 12   | 0.2099 | 400 |
| D7601-S08-S08-04 |                | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 5                 | 1/4-19 | 32   | 24 | 14   | 0.2548 | 400 |
| D7601-S10-S10-06 |                | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 7                 | 3/8-19 | 34   | 25 | 17   | 0.3524 | 400 |
| D7601-S12-S12-06 |                | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 8                 | 3/8-19 | 38   | 29 | 17   | 0.417  | 400 |
| D7601-S14-S14-08 |                | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 10                | 1/2-14 | 40   | 30 | 19   | 0.5792 | 400 |
| D7601-S16-S16-08 |                | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 12                | 1/2-14 | 43   | 33 | 24   | 0.7237 | 400 |

# D7605

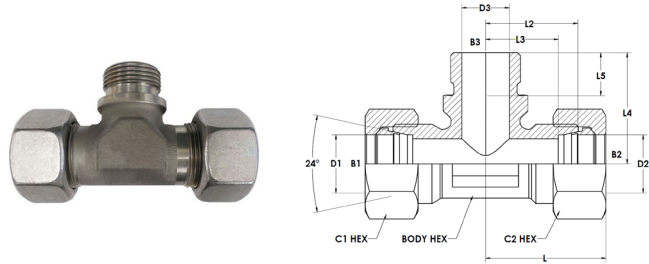
MBT-MBSPT-MBT TEE (LEV R - KEG)



| Part #           | CODE        | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE BSPT (R)<br>DIN 3852-2 FORM C |        | B3<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | L1   | L2 | BODY | WT     | BAR |
|------------------|-------------|-----------------------------------------------------------|---------|----|------------------------------------------|--------|-----------------------------------------------------------|---------|----|------|----|------|--------|-----|
|                  |             | D1                                                        | THREAD  | C1 | D2                                       | THREAD | D3                                                        | THREAD  | C3 |      |    |      |        |     |
|                  |             |                                                           |         |    |                                          |        |                                                           |         |    |      |    |      |        |     |
| D7605-E06-02-E06 | EXTRA LIGHT | 6                                                         | M10X1.0 | 12 | 4.5                                      | 1/8-28 | 6                                                         | M10X1.0 | 12 | 22   | 16 | 9    | 0.0639 | 100 |
| D7605-E08-02-E08 |             | 8                                                         | M12X1.0 | 14 | 6                                        | 1/8-28 | 8                                                         | M12X1.0 | 14 | 23   | 17 | 12   | 0.086  | 100 |
| D7605-L06-02-L06 | LIGHT       | 6                                                         | M12X1.5 | 14 | 4                                        | 1/8-28 | 6                                                         | M12X1.5 | 14 | 27   | 19 | 12   | 0.1213 | 315 |
| D7605-L08-04-L08 |             | 8                                                         | M14X1.5 | 17 | 6                                        | 1/4-19 | 8                                                         | M14X1.5 | 17 | 29   | 21 | 12   | 0.172  | 315 |
| D7605-L10-04-L10 |             | 10                                                        | M16X1.5 | 19 | 7                                        | 1/4-19 | 10                                                        | M16X1.5 | 19 | 30   | 22 | 14   | 0.2094 | 315 |
| D7605-L12-06-L12 |             | 12                                                        | M18X1.5 | 22 | 9                                        | 3/8-19 | 12                                                        | M18X1.5 | 22 | 32   | 24 | 17   | 0.2888 | 315 |
| D7605-L15-08-L15 |             | 15                                                        | M22X1.5 | 27 | 11                                       | 1/2-14 | 15                                                        | M22X1.5 | 27 | 36.5 | 28 | 19   | 0.4894 | 315 |
| D7605-L18-08-L18 |             | 18                                                        | M26X1.5 | 32 | 14                                       | 1/2-14 | 18                                                        | M26X1.5 | 32 | 40.5 | 31 | 24   | 0.6526 | 315 |
| D7605-S06-04-S06 | HEAVY       | 6                                                         | M14X1.5 | 17 | 4                                        | 1/4-19 | 6                                                         | M14X1.5 | 17 | 31   | 23 | 12   | 0.2138 | 400 |
| D7605-S08-04-S08 |             | 8                                                         | M16X1.5 | 19 | 5                                        | 1/4-19 | 8                                                         | M16X1.5 | 19 | 32   | 24 | 14   | 0.2601 | 400 |
| D7605-S10-06-S10 |             | 10                                                        | M18X1.5 | 22 | 7                                        | 3/8-19 | 10                                                        | M18X1.5 | 22 | 34   | 25 | 17   | 0.3527 | 400 |
| D7605-S12-06-S12 |             | 12                                                        | M20X1.5 | 24 | 8                                        | 3/8-19 | 12                                                        | M20X1.5 | 24 | 38   | 29 | 17   | 0.4211 | 400 |
| D7605-S14-08-S14 |             | 14                                                        | M22X1.5 | 27 | 10                                       | 1/2-14 | 14                                                        | M22X1.5 | 27 | 40   | 30 | 19   | 0.5886 | 400 |
| D7605-S16-08-S16 |             | 16                                                        | M24X1.5 | 30 | 12                                       | 1/2-14 | 16                                                        | M24X1.5 | 30 | 43   | 33 | 24   | 0.7363 | 400 |

# D7803-CF

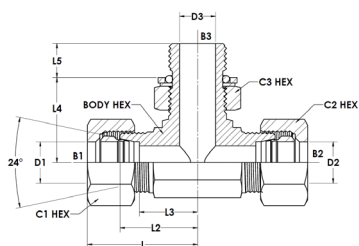
MBT-MBT-MBSPP CF TEE (TEV R - ZYL)



|                     |       | B1                          |         |    | B2                          |         |    | B3                |          |      |    |      |       |     |  |
|---------------------|-------|-----------------------------|---------|----|-----------------------------|---------|----|-------------------|----------|------|----|------|-------|-----|--|
|                     |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPP FORM B  |          |      |    |      |       |     |  |
|                     |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | DIN 3852-2 FORM B |          |      |    |      |       |     |  |
| Part #              | CODE  | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                | THREAD   | L1   | L2 | BODY | WT    | BAR |  |
| D7803-L22-L22-12-CF | LIGHT | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 18                | 3/4-14   | 45.5 | 35 | 27.0 | 0.989 | 160 |  |
| D7803-L28-L28-16-CF |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 23                | 1-11     | 49   | 38 | 36.0 | 1.366 | 160 |  |
| D7803-L35-L35-20-CF |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 30                | 1-1/4-11 | 57   | 45 | 41.0 | 2.059 | 160 |  |
| D7803-L42-L42-24-CF |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 36                | 1-1/2-11 | 63   | 51 | 50.0 | 3.024 | 160 |  |
| D7803-S20-S20-12-CF | HEAVY | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 16                | 3/4-14   | 49   | 37 | 27.0 | 1.236 | 400 |  |
| D7803-S25-S25-16-CF |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 20                | 1-11     | 55   | 42 | 36.0 | 2.2   | 250 |  |
| D7803-S30-S30-20-CF |       | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 25                | 1-1/4-11 | 63.2 | 49 | 41.0 | 2.949 | 160 |  |
| D7803-S38-S38-24-CF |       | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 32                | 1-1/2-11 | 72.5 | 57 | 50.0 | 4.286 | 160 |  |

# D7803-NWO-RR

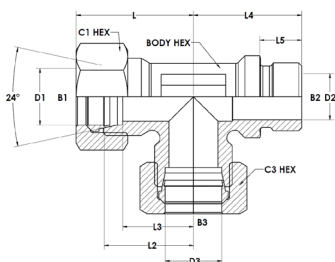
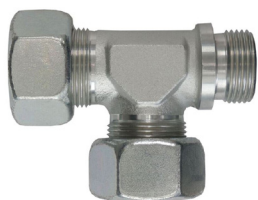
MBT-MBT-MBSPP TEE (TEE R)



|                         |       | B1                          |         |    | B2                          |         |    | B3                        |        |    |      |    |      |        |     |
|-------------------------|-------|-----------------------------|---------|----|-----------------------------|---------|----|---------------------------|--------|----|------|----|------|--------|-----|
|                         |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | MALE MBSPP ADJUSTABLE ORR |        |    |      |    |      |        |     |
|                         |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | ISO 1179                  |        |    |      |    |      |        |     |
| Part #                  | CODE  | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                        | THREAD | C3 | L1   | L2 | BODY | WT     | BAR |
| D7803-L06-L06-02-NWO-RR | LIGHT | 6                           | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 4                         | G1/8   | 14 | 29   | 21 | 14   | 0.182  | 315 |
| D7803-L08-L08-04-NWO-RR |       | 8                           | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 5                         | G1/4   | 19 | 31   | 23 | 14   | 0.2683 | 315 |
| D7803-L10-L10-04-NWO-RR |       | 10                          | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 5                         | G1/4   | 19 | 32   | 24 | 19   | 0.358  | 315 |
| D7803-L12-L12-06-NWO-RR |       | 12                          | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 8                         | G3/8   | 22 | 34   | 26 | 19   | 0.4284 | 250 |
| D7803-L15-L15-08-NWO-RR |       | 15                          | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 12                        | G1/2   | 27 | 36.5 | 28 | 22   | 0.6607 | 250 |
| D7803-L18-L18-08-NWO-RR |       | 18                          | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 12                        | G1/2   | 27 | 40.5 | 31 | 27   | 0.9473 | 250 |
| D7803-L22-L22-12-NWO-RR |       | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 16                        | G3/4   | 36 | 45.5 | 35 | 30   | 1.3149 | 160 |
| D7803-L28-L28-16-NWO-RR |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 20                        | G1     | 41 | 49   | 38 | 36   | 1.83   | 160 |
| D7803-L35-L35-20-NWO-RR |       | 35.3                        | M45X2.0 | 50 | 35.3                        | M45X2.0 | 50 | 25                        | G1.1/4 | 50 | 60   | 48 | 50   | 3.7086 | 160 |
| D7803-L42-L42-24-NWO-RR |       | 42.3                        | M52X2.0 | 60 | 42.3                        | M52X2.0 | 60 | 32                        | G1.1/2 | 55 | 61   | 49 | 50   | 3.9759 | 160 |
| D7803-S06-S06-04-NWO-RR | HEAVY | 6                           | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 5                         | G1/4   | 19 | 30   | 22 | 14   | 0.2872 | 315 |
| D7803-S08-S08-04-NWO-RR |       | 8                           | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 5                         | G1/4   | 19 | 32   | 24 | 19   | 0.3879 | 315 |
| D7803-S10-S10-06-NWO-RR |       | 10                          | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 8                         | G3/8   | 22 | 34   | 25 | 19   | 0.4749 | 250 |
| D7803-S12-S12-06-NWO-RR |       | 12                          | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 8                         | G3/8   | 22 | 38   | 29 | 22   | 0.6155 | 250 |
| D7803-S14-S14-08-NWO-RR |       | 14                          | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 12                        | G1/2   | 27 | 40   | 30 | 22   | 0.7546 | 250 |
| D7803-S16-S16-08-NWO-RR |       | 16                          | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 12                        | G1/2   | 27 | 43   | 33 | 27   | 1.0145 | 250 |
| D7803-S20-S20-12-NWO-RR |       | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 16                        | G3/4   | 36 | 50   | 38 | 30   | 1.5492 | 250 |
| D7803-S25-S25-16-NWO-RR |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 20                        | G1     | 41 | 55   | 42 | 36   | 2.5931 | 250 |
| D7803-S30-S30-20-NWO-RR |       | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 25                        | G1.1/4 | 50 | 63   | 49 | 50   | 4.284  | 160 |
| D7803-S38-S38-24-NWO-RR |       | 38.3                        | M52X2.0 | 60 | 38.3                        | M52X2.0 | 60 | 32                        | G1.1/2 | 55 | 65.5 | 50 | 50   | 4.8324 | 160 |

# D7804-CF

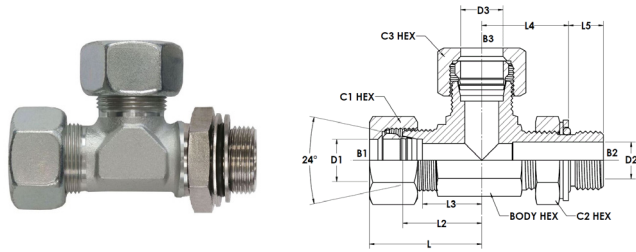
MBT-MBT-MBSPP CF TEE (LEV R - ZYL)



|                     |       | B1                          |         |    | B2                |          | B3                          |         |    |      |    |      |       |     |  |
|---------------------|-------|-----------------------------|---------|----|-------------------|----------|-----------------------------|---------|----|------|----|------|-------|-----|--|
|                     |       | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPP FORM B  |          | DIN METRIC TUBE COMPRESSION |         |    |      |    |      |       |     |  |
|                     |       | DIN 2353, ISO 8434-3        |         |    | DIN 3852-2 FORM B |          | DIN 2353, ISO 8434-1        |         |    |      |    |      |       |     |  |
| Part #              | CODE  | D1                          | THREAD  | C1 | D2                | THREAD   | D3                          | THREAD  | C3 | L1   | L2 | BODY | WT    | BAR |  |
| D7804-L22-12-L22-CF | LIGHT | 22                          | M30X2.0 | 36 | 18                | 3/4-14   | 22                          | M30X2.0 | 36 | 45.5 | 35 | 27.0 | 0.983 | 160 |  |
| D7804-L28-16-L28-CF |       | 28                          | M36X2.0 | 41 | 23                | 1-11     | 28                          | M36X2.0 | 41 | 49   | 38 | 36.0 | 1.357 | 160 |  |
| D7804-L35-20-L35-CF |       | 35                          | M45X2.0 | 50 | 30                | 1-1/4-11 | 35                          | M45X2.0 | 50 | 57   | 45 | 41.0 | 2.059 | 160 |  |
| D7804-L42-24-L42-CF |       | 42                          | M52X2.0 | 60 | 36                | 1-1/2-11 | 42                          | M52X2.0 | 60 | 63   | 51 | 50.0 | 3.024 | 160 |  |
| D7804-S20-12-S20-CF | HEAVY | 20                          | M30X2.0 | 36 | 16                | 3/4-14   | 20                          | M30X2.0 | 36 | 49   | 37 | 27.0 | 1.235 | 400 |  |
| D7804-S25-16-S25-CF |       | 25                          | M36X2.0 | 46 | 20                | 1-11     | 25                          | M36X2.0 | 46 | 55   | 42 | 36.0 | 2.2   | 250 |  |
| D7804-S30-20-S30-CF |       | 30                          | M42X2.0 | 50 | 25                | 1-1/4-11 | 30                          | M42X2.0 | 50 | 63.2 | 49 | 41.0 | 2.948 | 160 |  |
| D7804-S38-24-S38-CF |       | 38                          | M52X2.0 | 60 | 32                | 1-1/2-11 | 38                          | M52X2.0 | 60 | 72.5 | 57 | 50.0 | 4.284 | 160 |  |

# D7804-NW0-RR

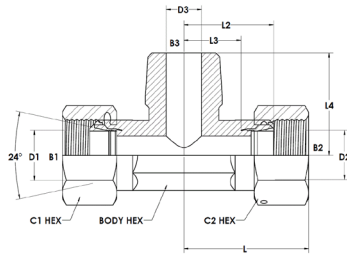
MBT-MBSPP-MBT TEE (LEE R)



| Part #                  | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE MBSPP ADJUSTABLE ORR<br>ISO 1179 |        |    | B3<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | L1   | L2 | BODY | WT     | BAR |
|-------------------------|-------|-----------------------------------------------------------|---------|----|---------------------------------------------|--------|----|-----------------------------------------------------------|---------|----|------|----|------|--------|-----|
|                         |       | D1                                                        | THREAD  | C1 | D2                                          | THREAD | C2 | D3                                                        | THREAD  | C3 |      |    |      |        |     |
|                         |       |                                                           |         |    |                                             |        |    |                                                           |         |    |      |    |      |        |     |
| D7804-L06-02-L06-NW0-RR | LIGHT | 6                                                         | M12X1.5 | 14 | 4                                           | G1/8   | 14 | 6                                                         | M12X1.5 | 14 | 29   | 21 | 14   | 0.182  | 315 |
| D7804-L08-04-L08-NW0-RR |       | 8                                                         | M14X1.5 | 17 | 5                                           | G1/4   | 19 | 8                                                         | M14X1.5 | 17 | 31   | 23 | 14   | 0.2683 | 315 |
| D7804-L10-04-L10-NW0-RR |       | 10                                                        | M16X1.5 | 19 | 5                                           | G1/4   | 19 | 10                                                        | M16X1.5 | 19 | 32   | 24 | 19   | 0.358  | 315 |
| D7804-L12-06-L12-NW0-RR |       | 12                                                        | M18X1.5 | 22 | 8                                           | G3/8   | 22 | 12                                                        | M18X1.5 | 22 | 34   | 26 | 19   | 0.4284 | 250 |
| D7804-L15-08-L15-NW0-RR |       | 15                                                        | M22X1.5 | 27 | 12                                          | G1/2   | 27 | 15                                                        | M22X1.5 | 27 | 36.5 | 28 | 22   | 0.6607 | 250 |
| D7804-L18-08-L18-NW0-RR |       | 18                                                        | M26X1.5 | 32 | 12                                          | G1/2   | 27 | 18                                                        | M26X1.5 | 32 | 40.5 | 31 | 27   | 0.9473 | 250 |
| D7804-L22-12-L22-NW0-RR |       | 22                                                        | M30X2.0 | 36 | 16                                          | G3/4   | 36 | 22                                                        | M30X2.0 | 36 | 45.5 | 35 | 30   | 1.3149 | 160 |
| D7804-L28-16-L28-NW0-RR |       | 28                                                        | M36X2.0 | 41 | 20                                          | G1     | 41 | 28                                                        | M36X2.0 | 41 | 49   | 38 | 36   | 1.83   | 160 |
| D7804-L35-20-L35-NW0-RR |       | 35.3                                                      | M45X2.0 | 50 | 25                                          | G1.1/4 | 50 | 35.3                                                      | M45X2.0 | 50 | 60   | 48 | 50   | 3.7086 | 160 |
| D7804-L42-24-L42-NW0-RR |       | 42.3                                                      | M52X2.0 | 60 | 32                                          | G1.1/2 | 55 | 42.3                                                      | M52X2.0 | 60 | 61   | 49 | 50   | 3.9759 | 160 |
| D7804-S06-04-S06-NW0-RR | HEAVY | 6                                                         | M14X1.5 | 17 | 5                                           | G1/4   | 19 | 6                                                         | M14X1.5 | 17 | 30   | 22 | 14   | 0.2872 | 315 |
| D7804-S08-04-S08-NW0-RR |       | 8                                                         | M16X1.5 | 19 | 5                                           | G1/4   | 19 | 8                                                         | M16X1.5 | 19 | 32   | 24 | 19   | 0.3879 | 315 |
| D7804-S10-06-S10-NW0-RR |       | 10                                                        | M18X1.5 | 22 | 8                                           | G3/8   | 22 | 10                                                        | M18X1.5 | 22 | 34   | 25 | 19   | 0.4749 | 250 |
| D7804-S12-06-S12-NW0-RR |       | 12                                                        | M20X1.5 | 24 | 8                                           | G3/8   | 22 | 12                                                        | M20X1.5 | 24 | 38   | 29 | 22   | 0.6155 | 250 |
| D7804-S14-08-S14-NW0-RR |       | 14                                                        | M22X1.5 | 27 | 12                                          | G1/2   | 27 | 14                                                        | M22X1.5 | 27 | 40   | 30 | 22   | 0.7546 | 250 |
| D7804-S16-08-S16-NW0-RR |       | 16                                                        | M24X1.5 | 30 | 12                                          | G1/2   | 27 | 16                                                        | M24X1.5 | 30 | 43   | 33 | 27   | 1.0145 | 250 |
| D7804-S20-12-S20-NW0-RR |       | 20                                                        | M30X2.0 | 36 | 16                                          | G3/4   | 36 | 20                                                        | M30X2.0 | 36 | 50   | 38 | 30   | 1.5492 | 250 |
| D7804-S25-16-S25-NW0-RR |       | 25                                                        | M36X2.0 | 46 | 20                                          | G1     | 41 | 25                                                        | M36X2.0 | 46 | 55   | 42 | 36   | 2.5931 | 250 |
| D7804-S30-20-S30-NW0-RR |       | 30                                                        | M42X2.0 | 50 | 25                                          | G1.1/4 | 50 | 30                                                        | M42X2.0 | 50 | 63   | 49 | 50   | 4.284  | 160 |
| D7804-S38-24-S38-NW0-RR |       | 38.3                                                      | M52X2.0 | 60 | 32                                          | G1.1/2 | 55 | 38.3                                                      | M52X2.0 | 60 | 65.5 | 50 | 50   | 4.8324 | 160 |

# D8601

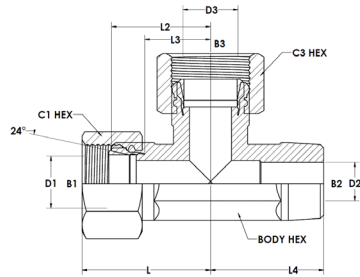
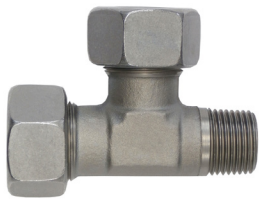
MBT-MBT-MMT TEE (TEV M - KEG)



| Part #           | CODE        | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 3865, ISO 8434-1 |         |    | B2<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B3<br>MALE METRIC TAPERED<br>DIN 3852-1 FORM C |         |  | L1   | L2 | BODY | WT     | BAR |
|------------------|-------------|-----------------------------------------------------------|---------|----|-----------------------------------------------------------|---------|----|------------------------------------------------|---------|--|------|----|------|--------|-----|
|                  |             | D1                                                        | THREAD  | C1 | D2                                                        | THREAD  | C2 | D3                                             | THREAD  |  |      |    |      |        |     |
|                  |             |                                                           |         |    |                                                           |         |    |                                                |         |  |      |    |      |        |     |
| D8601-E04-E04-08 | EXTRA LIGHT | 4                                                         | M08X1.0 | 10 | 4                                                         | M08X1.0 | 10 | 3                                              | M08X1.0 |  | 21   | 15 | 9    | 0.0529 | 100 |
| D8601-E06-E06-10 |             | 6                                                         | M10X1.0 | 12 | 6                                                         | M10X1.0 | 12 | 4.5                                            | M10X1.0 |  | 21   | 15 | 9    | 0.0639 | 100 |
| D8601-E08-E08-10 |             | 8                                                         | M12X1.0 | 14 | 8                                                         | M12X1.0 | 14 | 6                                              | M10X1.0 |  | 23   | 17 | 12   | 0.0904 | 100 |
| D8601-L06-L06-10 | LIGHT       | 6                                                         | M12X1.5 | 14 | 6                                                         | M12X1.5 | 14 | 4                                              | M10X1.0 |  | 27   | 19 | 12   | 0.1257 | 315 |
| D8601-L08-L08-12 |             | 8                                                         | M14X1.5 | 17 | 8                                                         | M14X1.5 | 17 | 6                                              | M12X1.5 |  | 29   | 21 | 12   | 0.1698 | 315 |
| D8601-L10-L10-14 |             | 10                                                        | M16X1.5 | 19 | 10                                                        | M16X1.5 | 19 | 7                                              | M14X1.5 |  | 30   | 22 | 14   | 0.2183 | 315 |
| D8601-L12-L12-16 |             | 12                                                        | M18X1.5 | 22 | 12                                                        | M18X1.5 | 22 | 9                                              | M16X1.5 |  | 32   | 24 | 17   | 0.2844 | 315 |
| D8601-L15-L15-18 |             | 15                                                        | M22X1.5 | 27 | 15                                                        | M22X1.5 | 27 | 11                                             | M18X1.5 |  | 36.5 | 28 | 19   | 0.463  | 315 |
| D8601-L18-L18-22 | HEAVY       | 18                                                        | M26X1.5 | 32 | 18                                                        | M26X1.5 | 32 | 14                                             | M22X1.5 |  | 40.5 | 31 | 24   | 0.6812 | 315 |
| D8601-S06-S06-12 |             | 6                                                         | M14X1.5 | 17 | 6                                                         | M14X1.5 | 17 | 4                                              | M12X1.5 |  | 31   | 23 | 12   | 0.2094 | 400 |
| D8601-S08-S08-14 |             | 8                                                         | M16X1.5 | 19 | 8                                                         | M16X1.5 | 19 | 5                                              | M14X1.5 |  | 32   | 24 | 14   | 0.2646 | 400 |
| D8601-S10-S10-16 |             | 10                                                        | M18X1.5 | 22 | 10                                                        | M18X1.5 | 22 | 7                                              | M16X1.5 |  | 34   | 25 | 17   | 0.3549 | 400 |
| D8601-S12-S12-18 |             | 12                                                        | M20X1.5 | 24 | 12                                                        | M20X1.5 | 24 | 8                                              | M18X1.5 |  | 38   | 29 | 17   | 0.4299 | 400 |
| D8601-S14-S14-20 |             | 14                                                        | M22X1.5 | 27 | 14                                                        | M22X1.5 | 27 | 10                                             | M20X1.5 |  | 40   | 30 | 19   | 0.5842 | 400 |
| D8601-S16-S16-22 |             | 16                                                        | M24X1.5 | 30 | 16                                                        | M24X1.5 | 30 | 12                                             | M22X1.5 |  | 43   | 33 | 24   | 0.7496 | 400 |

# D8605

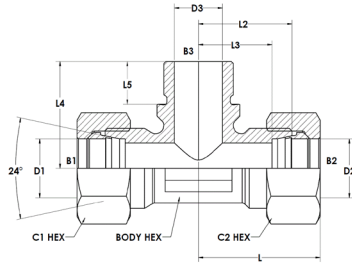
MBT-MMT-MBT TEE (LEV M - KEG)



|                  |                | B1                          |         |    | B2                  |         | B3                          |         |    |      |    |      |        |     |  |
|------------------|----------------|-----------------------------|---------|----|---------------------|---------|-----------------------------|---------|----|------|----|------|--------|-----|--|
|                  |                | DIN METRIC TUBE COMPRESSION |         |    | MALE METRIC TAPERED |         | DIN METRIC TUBE COMPRESSION |         |    |      |    |      |        |     |  |
|                  |                | DIN 2353, ISO 8434-1        |         |    | DIN 3852-1 FORM C   |         | DIN 2353, ISO 8434-1        |         |    |      |    |      |        |     |  |
| Part #           | CODE           | D1                          | THREAD  | C1 | D2                  | THREAD  | D3                          | THREAD  | C3 | L1   | L2 | BODY | WT     | BAR |  |
| D8605-E04-08-E04 | EXTRA<br>LIGHT | 4                           | M08X1.0 | 10 | 3                   | M08X1.0 | 4                           | M08X1.0 | 10 | 21   | 15 | 9    | 0.0529 | 100 |  |
| D8605-E06-10-E06 |                | 6                           | M10X1.0 | 12 | 4.5                 | M10X1.0 | 6                           | M10X1.0 | 12 | 21   | 15 | 9    | 0.0639 | 100 |  |
| D8605-E08-10-E08 |                | 8                           | M12X1.0 | 14 | 6                   | M10X1.0 | 8                           | M12X1.0 | 14 | 23   | 17 | 12   | 0.0882 | 100 |  |
| D8605-L06-10-L06 | LIGHT          | 6                           | M12X1.5 | 14 | 4                   | M10X1.0 | 6                           | M12X1.5 | 14 | 27   | 19 | 12   | 0.1213 | 315 |  |
| D8605-L08-12-L08 |                | 8                           | M14X1.5 | 17 | 6                   | M12X1.5 | 8                           | M14X1.5 | 17 | 29   | 21 | 12   | 0.1676 | 315 |  |
| D8605-L10-14-L10 |                | 10                          | M16X1.5 | 19 | 7                   | M14X1.5 | 10                          | M16X1.5 | 19 | 30   | 22 | 14   | 0.2161 | 315 |  |
| D8605-L12-16-L12 |                | 12                          | M18X1.5 | 22 | 9                   | M16X1.5 | 12                          | M18X1.5 | 22 | 32   | 24 | 17   | 0.2822 | 315 |  |
| D8605-L15-18-L15 |                | 15                          | M22X1.5 | 27 | 11                  | M18X1.5 | 15                          | M22X1.5 | 27 | 36.5 | 28 | 19   | 0.4564 | 315 |  |
| D8605-L18-22-L18 | HEAVY          | 18                          | M26X1.5 | 32 | 14                  | M22X1.5 | 18                          | M26X1.5 | 32 | 40.5 | 31 | 24   | 0.6702 | 315 |  |
| D8605-S06-12-S06 |                | 6                           | M14X1.5 | 17 | 4                   | M12X1.5 | 6                           | M14X1.5 | 17 | 31   | 23 | 12   | 0.2028 | 400 |  |
| D8605-S08-14-S08 |                | 8                           | M16X1.5 | 19 | 5                   | M14X1.5 | 8                           | M16X1.5 | 19 | 32   | 24 | 14   | 0.2668 | 400 |  |
| D8605-S10-16-S10 |                | 10                          | M18X1.5 | 22 | 7                   | M16X1.5 | 10                          | M18X1.5 | 22 | 34   | 25 | 17   | 0.3571 | 400 |  |
| D8605-S12-18-S12 |                | 12                          | M20X1.5 | 24 | 8                   | M18X1.5 | 12                          | M20X1.5 | 24 | 38   | 29 | 17   | 0.4277 | 400 |  |
| D8605-S14-20-S14 |                | 14                          | M22X1.5 | 27 | 10                  | M20X1.5 | 14                          | M22X1.5 | 27 | 40   | 30 | 19   | 0.582  | 400 |  |
| D8605-S16-22-S16 |                | 16                          | M24X1.5 | 30 | 12                  | M22X1.5 | 16                          | M24X1.5 | 30 | 43   | 33 | 24   | 0.7408 | 400 |  |

# D8803-CF

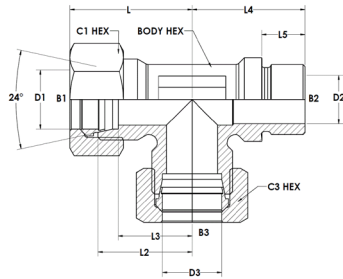
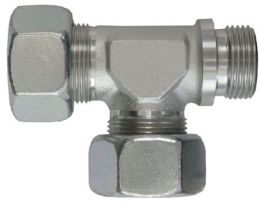
MBT-MBT-MM CF TEE (TEV M - ZYL)



|                     |       | B1                          |         |    | B2                          |         |    | B3                 |         |      |    |      |        |     |  |
|---------------------|-------|-----------------------------|---------|----|-----------------------------|---------|----|--------------------|---------|------|----|------|--------|-----|--|
|                     |       | DIN METRIC TUBE COMPRESSION |         |    | DIN METRIC TUBE COMPRESSION |         |    | MALE METRIC FORM B |         |      |    |      |        |     |  |
|                     |       | DIN 2353, ISO 8434-1        |         |    | DIN 2353, ISO 8434-1        |         |    | ISO 9974 FORM B    |         |      |    |      |        |     |  |
| Part #              | CODE  | D1                          | THREAD  | C1 | D2                          | THREAD  | C2 | D3                 | THREAD  | L1   | L2 | BODY | WT     | BAR |  |
| D8803-L22-L22-26-CF | LIGHT | 22                          | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 18                 | M26X1.5 | 45.5 | 35 | 27   | 0.9083 | 160 |  |
| D8803-L28-L28-33-CF |       | 28                          | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 23                 | M33X2.0 | 49   | 38 | 36   | 1.3203 | 160 |  |
| D8803-L35-L35-42-CF |       | 35                          | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 30                 | M42X2.0 | 57   | 45 | 41   | 2.0055 | 160 |  |
| D8803-L42-L42-48-CF |       | 42                          | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 36                 | M48X2.0 | 63   | 51 | 50   | 2.9233 | 160 |  |
| D8803-S20-S20-27-CF | HEAVY | 20                          | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 16                 | M27X2.0 | 49   | 37 | 27   | 1.1626 | 250 |  |
| D8803-S25-S25-33-CF |       | 25                          | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 20                 | M33X2.0 | 55   | 42 | 36   | 2.1348 | 250 |  |
| D8803-S30-S30-42-CF |       | 30                          | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 25                 | M42X2.0 | 63   | 49 | 41   | 2.8716 | 160 |  |
| D8803-S38-S38-48-CF |       | 38                          | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 32                 | M48X2.0 | 72.5 | 57 | 50   | 4.1532 | 160 |  |

# D8804-CF

MBT-MM CF-MBT TEE (LEV M - ZYL)

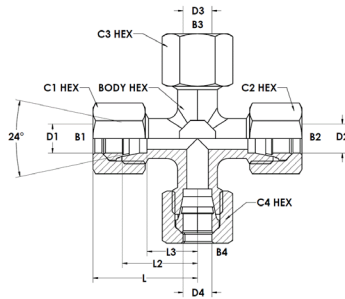


|                     |       | B1                          |         |    | B2                 |         | B3                          |         |    |      |    |      |        |     |  |
|---------------------|-------|-----------------------------|---------|----|--------------------|---------|-----------------------------|---------|----|------|----|------|--------|-----|--|
|                     |       | DIN METRIC TUBE COMPRESSION |         |    | MALE METRIC FORM B |         | DIN METRIC TUBE COMPRESSION |         |    |      |    |      |        |     |  |
|                     |       | DIN 2353, ISO 8434-1        |         |    | ISO 9974 FORM B    |         | DIN 2353, ISO 8434-1        |         |    |      |    |      |        |     |  |
| Part #              | CODE  | D1                          | THREAD  | C1 | D2                 | THREAD  | D3                          | THREAD  | C3 | L1   | L2 | BODY | WT     | BAR |  |
| D8804-L22-26-L22-CF | LIGHT | 22                          | M30X2.0 | 36 | 18                 | M26X1.5 | 22                          | M30X2.0 | 36 | 45.5 | 35 | 27   | 0.9326 | 160 |  |
| D8804-L28-33-L28-CF |       | 28                          | M36X2.0 | 41 | 23                 | M33X2.0 | 28                          | M36X2.0 | 41 | 49   | 38 | 36   | 1.3558 | 160 |  |
| D8804-L35-42-L35-CF |       | 35                          | M45X2.0 | 50 | 30                 | M42X2.0 | 35                          | M45X2.0 | 50 | 57   | 45 | 41   | 2.0128 | 160 |  |
| D8804-L42-48-L42-CF |       | 42                          | M52X2.0 | 60 | 36                 | M48X2.0 | 42                          | M52X2.0 | 60 | 63   | 51 | 50   | 2.9343 | 160 |  |
| D8804-S20-27-S20-CF | HEAVY | 20                          | M30X2.0 | 36 | 16                 | M27X2.0 | 20                          | M30X2.0 | 36 | 49   | 37 | 27   | 1.1618 | 250 |  |
| D8804-S25-33-S25-CF |       | 25                          | M36X2.0 | 46 | 20                 | M33X2.0 | 25                          | M36X2.0 | 46 | 55   | 42 | 36   | 2.1341 | 250 |  |
| D8804-S30-42-S30-CF |       | 30                          | M42X2.0 | 50 | 25                 | M42X2.0 | 30                          | M42X2.0 | 50 | 63   | 49 | 41   | 2.8836 | 160 |  |
| D8804-S38-48-S38-CF |       | 38                          | M52X2.0 | 60 | 32                 | M48X2.0 | 38                          | M52X2.0 | 60 | 72.5 | 57 | 50   | 4.1689 | 160 |  |

# CROSSES

## D2650

MBT-MBT-MBT-MBT CROSS UNION (KV)

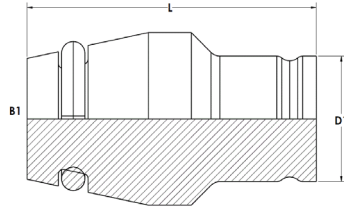


|                       |                | B1                          |         |         | B2                          |         |         | B3                          |         |         | B4                          |         |         |      |    |      |       |       |     |
|-----------------------|----------------|-----------------------------|---------|---------|-----------------------------|---------|---------|-----------------------------|---------|---------|-----------------------------|---------|---------|------|----|------|-------|-------|-----|
|                       |                | DIN METRIC TUBE COMPRESSION |         |         | DIN METRIC TUBE COMPRESSION |         |         | DIN METRIC TUBE COMPRESSION |         |         | DIN METRIC TUBE COMPRESSION |         |         |      |    |      |       |       |     |
|                       |                | DIN 2353, ISO 8434-1        |         |         | DIN 2353, ISO 8434-1        |         |         | DIN 2353, ISO 8434-1        |         |         | DIN 2353, ISO 8434-1        |         |         |      |    |      |       |       |     |
| Part #                | CODE           | D1                          | THREAD  | C1      | D2                          | THREAD  | C2      | D3                          | THREAD  | C3      | D4                          | THREAD  | C4      | L1   | L2 | BODY | WT    | BAR   |     |
| D2650-E04-E04-E04-E04 | EXTRA<br>LIGHT | 4                           | M08X1.0 | 10      | 4                           | M08X1.0 | 10      | 4                           | M08X1.0 | 10      | 4                           | M08X1.0 | 10      | 21   | 15 | 9    |       |       |     |
| D2650-E06-E06-E06-E06 |                | 6                           | M10X1.0 | 12      | 6                           | M10X1.0 | 12      | 6                           | M10X1.0 | 12      | 6                           | M10X1.0 | 12      | 21   | 15 | 9    |       |       |     |
| D2650-E08-E08-E08-E08 |                | 8                           | M12X1.0 | 14      | 8                           | M12X1.0 | 14      | 8                           | M12X1.0 | 14      | 8                           | M12X1.0 | 14      | 23   | 17 | 12   |       |       |     |
| D2650-L06-L06-L06-L06 | LIGHT          | 6                           | M12X1.5 | 14      | 6                           | M12X1.5 | 14      | 6                           | M12X1.5 | 14      | 6                           | M12X1.5 | 14      | 27   | 19 | 12.0 | 0.2   | 500   |     |
| D2650-L08-L08-L08-L08 |                | 8                           | M14X1.5 | 17      | 8                           | M14X1.5 | 17      | 8                           | M14X1.5 | 17      | 8                           | M14X1.5 | 17      | 29   | 21 | 12.0 | 0.267 | 500   |     |
| D2650-L10-L10-L10-L10 |                | 10                          | M16X1.5 | 19      | 10                          | M16X1.5 | 19      | 10                          | M16X1.5 | 19      | 10                          | M16X1.5 | 19      | 30   | 22 | 14.0 | 0.335 | 500   |     |
| D2650-L12-L12-L12-L12 |                | 12                          | M18X1.5 | 22      | 12                          | M18X1.5 | 22      | 12                          | M18X1.5 | 22      | 12                          | M18X1.5 | 22      | 32   | 24 | 17.0 | 0.441 | 400   |     |
| D2650-L15-L15-L15-L15 |                | 15                          | M22X1.5 | 27      | 15                          | M22X1.5 | 27      | 15                          | M22X1.5 | 27      | 15                          | M22X1.5 | 27      | 36.5 | 28 | 19.0 | 0.736 | 400   |     |
| D2650-L18-L18-L18-L18 |                | 18                          | M26X1.5 | 32      | 18                          | M26X1.5 | 32      | 18                          | M26X1.5 | 32      | 18                          | M26X1.5 | 32      | 40.5 | 31 | 24.0 | 1.073 | 400   |     |
| D2650-L22-L22-L22-L22 |                | 22                          | M30X2.0 | 36      | 22                          | M30X2.0 | 36      | 22                          | M30X2.0 | 36      | 22                          | M30X2.0 | 36      | 45.5 | 35 | 27.0 | 1.427 | 250   |     |
| D2650-L28-L28-L28-L28 |                | 28                          | M36X2.0 | 41      | 28                          | M36X2.0 | 41      | 28                          | M36X2.0 | 41      | 28                          | M36X2.0 | 41      | 49   | 38 | 36.0 | 1.888 | 250   |     |
| D2650-L35-L35-L35-L35 |                | 35                          | M45X2.0 | 50      | 35                          | M45X2.0 | 50      | 35                          | M45X2.0 | 50      | 35                          | M45X2.0 | 50      | 57   | 45 | 41.0 | 2.874 | 250   |     |
| D2650-L42-L42-L42-L42 |                | 42                          | M52X2.0 | 60      | 42                          | M52X2.0 | 60      | 42                          | M52X2.0 | 60      | 42                          | M52X2.0 | 60      | 63   | 51 | 50.0 | 4.26  | 250   |     |
| D2650-S06-S06-S06-S06 |                | HEAVY                       | 6       | M14X1.5 | 17                          | 6       | M14X1.5 | 17                          | 6       | M14X1.5 | 17                          | 6       | M14X1.5 | 17   | 31 | 23   | 12.0  | 0.335 | 800 |
| D2650-S08-S08-S08-S08 | 8              |                             | M16X1.5 | 19      | 8                           | M16X1.5 | 19      | 8                           | M16X1.5 | 19      | 8                           | M16X1.5 | 19      | 32   | 24 | 14.0 | 0.41  | 800   |     |
| D2650-S10-S10-S10-S10 | 10             |                             | M18X1.5 | 22      | 10                          | M18X1.5 | 22      | 10                          | M18X1.5 | 22      | 10                          | M18X1.5 | 22      | 34   | 25 | 17.0 | 0.559 | 800   |     |
| D2650-S12-S12-S12-S12 | 12             |                             | M20X1.5 | 24      | 12                          | M20X1.5 | 24      | 12                          | M20X1.5 | 24      | 12                          | M20X1.5 | 24      | 38   | 29 | 17.0 | 0.685 | 630   |     |
| D2650-S14-S14-S14-S14 | 14             |                             | M22X1.5 | 27      | 14                          | M22X1.5 | 27      | 14                          | M22X1.5 | 27      | 14                          | M22X1.5 | 27      | 40   | 30 | 19.0 | 0.93  | 630   |     |
| D2650-S16-S16-S16-S16 | 16             |                             | M24X1.5 | 30      | 16                          | M24X1.5 | 30      | 16                          | M24X1.5 | 30      | 16                          | M24X1.5 | 30      | 43   | 33 | 24.0 | 1.198 | 630   |     |
| D2650-S20-S20-S20-S20 | 20             |                             | M30X2.0 | 36      | 20                          | M30X2.0 | 36      | 20                          | M30X2.0 | 36      | 20                          | M30X2.0 | 36      | 49   | 37 | 27.0 | 1.828 | 420   |     |
| D2650-S25-S25-S25-S25 | 25             |                             | M36X2.0 | 46      | 25                          | M36X2.0 | 46      | 25                          | M36X2.0 | 46      | 25                          | M36X2.0 | 46      | 55   | 42 | 36.0 | 3.377 | 420   |     |
| D2650-S30-S30-S30-S30 | 30             |                             | M42X2.0 | 50      | 30                          | M42X2.0 | 50      | 30                          | M42X2.0 | 50      | 30                          | M42X2.0 | 50      | 63   | 49 | 41.0 | 4.256 | 420   |     |
| D2650-S38-S38-S38-S38 | 38             |                             | M52X2.0 | 60      | 38                          | M52X2.0 | 60      | 38                          | M52X2.0 | 60      | 38                          | M52X2.0 | 60      | 72.5 | 57 | 50.0 | 6.322 | 420   |     |

# CAPS & PLUGS

## D0303

MBT CAP INSERT (VSTO - OD)

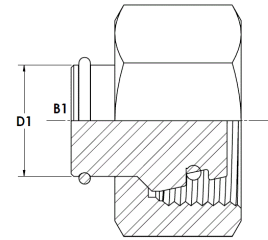


*B1*  
MBT CAP  
DIN 8365

| Part #   | D1 | L1 | WT     | BAR |
|----------|----|----|--------|-----|
| D0303-06 | 6  | 17 | 0.0127 | 800 |
| D0303-08 | 8  | 17 | 0.0202 | 800 |
| D0303-10 | 10 | 20 | 0.034  | 800 |
| D0303-12 | 12 | 21 | 0.049  | 630 |
| D0303-14 | 14 | 23 | 0.0717 | 630 |
| D0303-15 | 15 | 20 | 0.0721 | 400 |
| D0303-16 | 16 | 24 | 0.0952 | 630 |
| D0303-18 | 18 | 21 | 0.107  | 400 |
| D0303-20 | 20 | 28 | 0.1793 | 420 |
| D0303-22 | 22 | 23 | 0.1679 | 250 |
| D0303-25 | 25 | 31 | 0.299  | 420 |
| D0303-28 | 28 | 23 | 0.2654 | 250 |
| D0303-30 | 30 | 34 | 0.4652 | 420 |
| D0303-35 | 35 | 29 | 0.5299 | 250 |
| D0303-38 | 38 | 38 | 0.8184 | 420 |
| D0303-42 | 42 | 30 | 0.7739 | 250 |

## D0304-C

MBT CAP (VSTO M - OD)

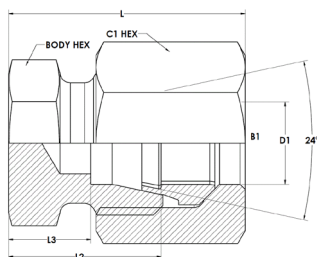
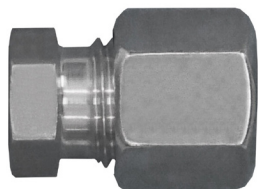


*B1*  
FEMALE METRIC SWIVEL  
DIN 2353, ISO 8434-1

| Part #      | CODE  | D1 | THREAD  |
|-------------|-------|----|---------|
| D0304-C-L06 | LIGHT | 6  | M12X1.5 |
| D0304-C-L08 |       | 8  | M14X1.5 |
| D0304-C-L10 |       | 10 | M16X1.5 |
| D0304-C-L12 |       | 12 | M18X1.5 |
| D0304-C-L15 |       | 15 | M22X1.5 |
| D0304-C-L18 |       | 18 | M26X1.5 |
| D0304-C-L22 |       | 22 | M30X2.0 |
| D0304-C-L28 |       | 28 | M36X2.0 |
| D0304-C-L35 | HEAVY | 35 | M45X2.0 |
| D0304-C-L42 |       | 42 | M52X2.0 |
| D0304-C-S06 |       | 6  | M14X1.5 |
| D0304-C-S08 |       | 8  | M16X1.5 |
| D0304-C-S10 |       | 10 | M18X1.5 |
| D0304-C-S12 |       | 12 | M20X1.5 |
| D0304-C-S14 |       | 14 | M22X1.5 |
| D0304-C-S16 |       | 16 | M24X1.5 |
| D0304-C-S20 |       | 20 | M30X2.0 |
| D0304-C-S25 |       | 25 | M36X2.0 |
| D0304-C-S30 |       | 30 | M42X2.0 |
| D0304-C-S38 |       | 38 | M52X2.0 |

# D2408

MBT PLUG (EVSV)



*B1*

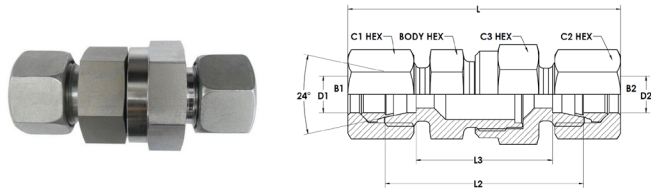
*DIN METRIC TUBE  
COMPRESSION  
DIN 2353, ISO  
8434-1*

| Part #    | CODE  | D1 | THREAD  | C1 | L1   | L2 | BODY | WT    | BAR |
|-----------|-------|----|---------|----|------|----|------|-------|-----|
| D2408-L06 | LIGHT | 6  | M12X1.5 | 14 | 25   | 17 | 14   | 0.05  | 500 |
| D2408-L08 |       | 8  | M14X1.5 | 17 | 25   | 17 | 17   | 0.071 | 500 |
| D2408-L10 |       | 10 | M16X1.5 | 19 | 28   | 20 | 17.0 | 0.094 | 500 |
| D2408-L12 |       | 12 | M18X1.5 | 22 | 29   | 21 | 19.0 | 0.125 | 400 |
| D2408-L15 |       | 15 | M22X1.5 | 27 | 28.5 | 20 | 24.0 | 0.202 | 400 |
| D2408-L18 |       | 18 | M26X1.5 | 32 | 30.5 | 21 | 27.0 | 0.292 | 400 |
| D2408-L22 |       | 22 | M30X2.0 | 36 | 33.5 | 23 | 32.0 | 0.4   | 250 |
| D2408-L28 |       | 28 | M36X2.0 | 41 | 34   | 23 | 41.0 | 0.552 | 250 |
| D2408-L35 |       | 35 | M45X2.0 | 50 | 41   | 29 | 46.0 | 0.844 | 250 |
| D2408-L42 |       | 42 | M52X2.0 | 60 | 42   | 30 | 55.0 | 1.28  | 250 |
| D2408-S06 | HEAVY | 6  | M14X1.5 | 17 | 25   | 17 | 17   | 0.089 | 800 |
| D2408-S08 |       | 8  | M16X1.5 | 19 | 25   | 17 | 17.0 | 0.119 | 800 |
| D2408-S10 |       | 10 | M18X1.5 | 22 | 29   | 20 | 19.0 | 0.157 | 800 |
| D2408-S12 |       | 12 | M20X1.5 | 24 | 30   | 21 | 22.0 | 0.202 | 630 |
| D2408-S14 |       | 14 | M22X1.5 | 27 | 33   | 23 | 24.0 | 0.275 | 630 |
| D2408-S16 |       | 16 | M24X1.5 | 30 | 34   | 24 | 27.0 | 0.332 | 630 |
| D2408-S20 |       | 20 | M30X2.0 | 36 | 40   | 28 | 32.0 | 0.545 | 420 |
| D2408-S25 |       | 25 | M36X2.0 | 46 | 44   | 31 | 41.0 | 1.016 | 420 |
| D2408-S30 |       | 30 | M42X2.0 | 50 | 48   | 34 | 46.0 | 1.23  | 420 |
| D2408-S38 |       | 38 | M52X2.0 | 60 | 53.5 | 38 | 55.0 | 1.921 | 420 |

# CHECK VALVES

## D2403-CV

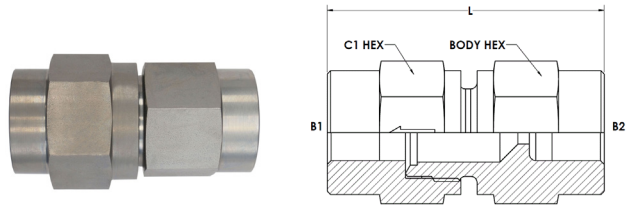
CV MBT-MBT STRT (RSV )



|                        |       | B1                               |         |    | B2                          |         |    |    |     |    |      |        |     |
|------------------------|-------|----------------------------------|---------|----|-----------------------------|---------|----|----|-----|----|------|--------|-----|
|                        |       | DIN METRIC TUBE COMPRES-<br>SION |         |    | DIN METRIC TUBE COMPRESSION |         |    |    |     |    |      |        |     |
|                        |       | DIN 2353, ISO 8434-1             |         |    | DIN 2353, ISO 8434-1        |         |    |    |     |    |      |        |     |
| Part #                 | CODE  | D1                               | THREAD  | C1 | D2                          | THREAD  | C2 | C3 | L1  | L2 | BODY | WT     | BAR |
| D2403-CV-L06-L06-1.0CP | LIGHT | 6                                | M12X1.5 | 14 | 6                           | M12X1.5 | 14 | 27 | 68  | 52 | 22   | 0.3461 | 400 |
| D2403-CV-L08-L08-1.0CP |       | 8                                | M14X1.5 | 17 | 8                           | M14X1.5 | 17 | 27 | 68  | 52 | 22   | 0.377  | 400 |
| D2403-CV-L10-L10-1.0CP |       | 10                               | M16X1.5 | 19 | 10                          | M16X1.5 | 19 | 27 | 68  | 52 | 22   | 0.3814 | 400 |
| D2403-CV-L12-L12-1.0CP |       | 12                               | M18X1.5 | 22 | 12                          | M18X1.5 | 22 | 27 | 69  | 53 | 22   | 0.4387 | 400 |
| D2403-CV-L15-L15-1.0CP |       | 15                               | M22X1.5 | 27 | 15                          | M22X1.5 | 27 | 32 | 75  | 58 | 27   | 0.6614 | 400 |
| D2403-CV-L18-L18-1.0CP |       | 18                               | M26X1.5 | 32 | 18                          | M26X1.5 | 32 | 32 | 82  | 63 | 27   | 0.8686 | 400 |
| D2403-CV-L22-L22-1.0CP |       | 22                               | M30X2.0 | 36 | 22                          | M30X2.0 | 36 | 46 | 96  | 75 | 41   | 1.5587 | 250 |
| D2403-CV-L28-L28-1.0CP |       | 28                               | M36X2.0 | 41 | 28                          | M36X2.0 | 41 | 46 | 103 | 81 | 41   | 1.8519 | 250 |
| D2403-CV-L35-L35-1.0CP |       | 35                               | M45X2.0 | 50 | 35                          | M45X2.0 | 50 | 70 | 116 | 92 | 60   | 3.7721 | 250 |
| D2403-CV-L42-L42-1.0CP | HEAVY | 42                               | M52X2.0 | 60 | 42                          | M52X2.0 | 60 | 70 | 111 | 87 | 60   | 4.008  | 250 |
| D2403-CV-S06-S06-1.0CP |       | 6                                | M14X1.5 | 17 | 6                           | M14X1.5 | 17 | 27 | 72  | 56 | 22   | 0.4057 | 400 |
| D2403-CV-S08-S08-1.0CP |       | 8                                | M16X1.5 | 19 | 8                           | M16X1.5 | 19 | 27 | 68  | 52 | 22   | 0.3968 | 400 |
| D2403-CV-S10-S10-1.0CP |       | 10                               | M18X1.5 | 22 | 10                          | M18X1.5 | 22 | 27 | 72  | 54 | 22   | 0.4652 | 400 |
| D2403-CV-S12-S12-1.0CP |       | 12                               | M20X1.5 | 24 | 12                          | M20X1.5 | 24 | 27 | 73  | 55 | 22   | 0.5093 | 400 |
| D2403-CV-S14-S14-1.0CP |       | 14                               | M22X1.5 | 27 | 14                          | M22X1.5 | 27 | 32 | 82  | 62 | 27   | 0.743  | 400 |
| D2403-CV-S16-S16-1.0CP |       | 16                               | M24X1.5 | 30 | 16                          | M24X1.5 | 30 | 32 | 85  | 65 | 27   | 0.8554 | 400 |
| D2403-CV-S20-S20-1.0CP |       | 20                               | M30X2.0 | 36 | 20                          | M30X2.0 | 36 | 46 | 102 | 78 | 41   | 1.7042 | 400 |
| D2403-CV-S25-S25-1.0CP |       | 25                               | M36X2.0 | 46 | 25                          | M36X2.0 | 46 | 46 | 107 | 81 | 41   | 2.2641 | 250 |
| D2403-CV-S30-S30-1.0CP |       | 30                               | M42X2.0 | 50 | 30                          | M42X2.0 | 50 | 55 | 119 | 91 | 50   | 2.9829 | 250 |
| D2403-CV-S38-S38-1.0CP |       | 38                               | M52X2.0 | 60 | 38                          | M52X2.0 | 60 | 70 | 130 | 99 | 60   | 4.8039 | 250 |

# D5002-CV

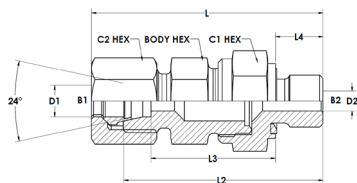
CV FBSPP-FBSPP (RSVI)



| Part #               | <i>B1</i><br>FEMALE BSPP CHECK VALVE<br>ISO 1179-1 |           | <i>B2</i><br>FEMALE BSPP CHECK VALVE<br>ISO 1179-1 |  | <i>L1</i> | <i>BODY</i> | <i>WT</i> | <i>BAR</i> |
|----------------------|----------------------------------------------------|-----------|----------------------------------------------------|--|-----------|-------------|-----------|------------|
|                      | <i>THREAD</i>                                      | <i>C1</i> | <i>THREAD</i>                                      |  |           |             |           |            |
| D5002-CV-02-02-1.0CP | G1/8                                               | 27        | G1/8                                               |  | 53        | 22          | 0.3946    | 400        |
| D5002-CV-04-04-1.0CP | G1/4                                               | 27        | G1/4                                               |  | 63        | 22          | 0.4365    | 400        |
| D5002-CV-06-06-1.0CP | G3/8                                               | 27        | G3/8                                               |  | 62        | 24          | 0.4189    | 400        |
| D5002-CV-08-08-1.0CP | G1/2                                               | 32        | G1/2                                               |  | 74        | 32          | 0.7981    | 400        |
| D5002-CV-12-12-1.0CP | G3/4                                               | 46        | G3/4                                               |  | 92        | 41          | 1.7527    | 400        |
| D5002-CV-16-16-1.0CP | G1                                                 | 46        | G1                                                 |  | 97        | 46          | 1.9775    | 250        |
| D5002-CV-20-20-1.0CP | G1.1/4                                             | 60        | G1.1/4                                             |  | 113       | 60          | 3.8691    | 250        |
| D5002-CV-24-24-1.0CP | G1.1/2                                             | 70        | G1.1/2                                             |  | 118       | 65          | 4.8458    | 250        |

# D7400-CVP-ED

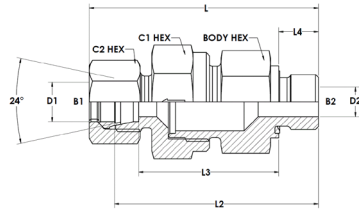
CV MBT-MBSPP (RSVZ R - WD)



|                           |       | B1                          |         |    | B2                |        |    |       |       |      |        |     |
|---------------------------|-------|-----------------------------|---------|----|-------------------|--------|----|-------|-------|------|--------|-----|
|                           |       | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPP ED SEAL |        |    |       |       |      |        |     |
|                           |       | DIN 2353, ISO 8434-1        |         |    | ISO 1179-2        |        |    |       |       |      |        |     |
| Part #                    | CODE  | D1                          | THREAD  | C1 | D2                | THREAD | C2 | L1    | L2    | BODY | WT     | BAR |
| D7400-CVP-L06-02-ED-1.0CP | LIGHT | 6                           | M12X1.5 | 14 | 4                 | G1/8   | 22 | 59    | 51    | 27   | 0.3131 | 400 |
| D7400-CVP-L08-04-ED-1.0CP |       | 8                           | M14X1.5 | 17 | 6                 | G1/4   | 22 | 63    | 55    | 27   | 0.3395 | 400 |
| D7400-CVP-L10-04-ED-1.0CP |       | 10                          | M16X1.5 | 19 | 6                 | G1/4   | 22 | 61    | 53    | 27   | 0.3241 | 400 |
| D7400-CVP-L12-06-ED-1.0CP |       | 12                          | M18X1.5 | 22 | 7.5               | G3/8   | 22 | 66    | 58    | 27   | 0.4012 | 400 |
| D7400-CVP-L15-08-ED-1.0CP |       | 15                          | M22X1.5 | 27 | 11.5              | G1/2   | 27 | 70.5  | 62    | 32   | 0.5776 | 400 |
| D7400-CVP-L18-08-ED-1.0CP |       | 18                          | M26X1.5 | 32 | 11.5              | G1/2   | 27 | 76.5  | 67    | 32   | 0.7143 | 400 |
| D7400-CVP-L22-12-ED-1.0CP |       | 22                          | M30X2.0 | 36 | 18                | G3/4   | 46 | 87.5  | 77    | 41   | 1.2919 | 250 |
| D7400-CVP-L28-16-ED-1.0CP |       | 28                          | M36X2.0 | 41 | 20                | G1     | 46 | 91    | 80    | 41   | 1.4793 | 250 |
| D7400-CVP-L35-20-ED-1.0CP |       | 35                          | M45X2.0 | 50 | 29                | G1.1/4 | 60 | 109.5 | 97.5  | 70   | 3.4436 | 250 |
| D7400-CVP-L42-24-ED-1.0CP |       | 42                          | M52X2.0 | 60 | 29                | G1.1/2 | 60 | 109.5 | 97.5  | 70   | 3.7523 | 250 |
| D7400-CVP-S06-04-ED-1.0CP | HEAVY | 6                           | M14X1.5 | 17 | 6                 | G1/4   | 22 | 65    | 57    | 27   | 0.3549 | 400 |
| D7400-CVP-S08-04-ED-1.0CP |       | 8                           | M16X1.5 | 19 | 6                 | G1/4   | 22 | 63    | 55    | 27   | 0.3461 | 400 |
| D7400-CVP-S10-06-ED-1.0CP |       | 10                          | M18X1.5 | 22 | 7.5               | G3/8   | 22 | 66    | 57    | 27   | 0.4012 | 400 |
| D7400-CVP-S12-06-ED-1.0CP |       | 12                          | M20X1.5 | 24 | 7.5               | G3/8   | 22 | 68    | 59    | 27   | 0.4365 | 400 |
| D7400-CVP-S14-08-ED-1.0CP |       | 14                          | M22X1.5 | 27 | 11.5              | G1/2   | 27 | 74    | 64    | 32   | 0.6173 | 400 |
| D7400-CVP-S16-08-ED-1.0CP |       | 16                          | M24X1.5 | 30 | 11.5              | G1/2   | 27 | 77    | 67    | 32   | 0.6945 | 400 |
| D7400-CVP-S20-12-ED-1.0CP |       | 20                          | M30X2.0 | 36 | 18                | G3/4   | 46 | 90    | 78    | 41   | 1.3536 | 400 |
| D7400-CVP-S25-16-ED-1.0CP |       | 25                          | M36X2.0 | 46 | 20                | G1     | 46 | 96    | 83    | 41   | 1.7659 | 250 |
| D7400-CVP-S30-20-ED-1.0CP |       | 30                          | M42X2.0 | 50 | 24                | G1.1/4 | 50 | 108   | 94    | 55   | 2.5507 | 250 |
| D7400-CVP-S38-24-ED-1.0CP |       | 38                          | M52X2.0 | 60 | 29                | G1.1/2 | 60 | 119   | 103.5 | 70   | 4.1513 | 250 |

# D7400-CVT-ED

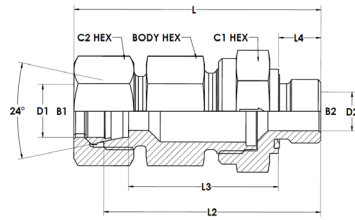
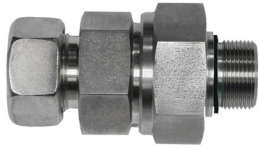
CV MBT-MBSPP (RSVV R - WD)



| Part #                    | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE BSPP ED SEAL<br>ISO 1179-2 |        |    | L1    | L2    | BODY | WT     | BAR |
|---------------------------|-------|-----------------------------------------------------------|---------|----|---------------------------------------|--------|----|-------|-------|------|--------|-----|
|                           |       | D1                                                        | THREAD  | C1 | D2                                    | THREAD | C2 |       |       |      |        |     |
|                           |       |                                                           |         |    |                                       |        |    |       |       |      |        |     |
| D7400-CVT-L06-02-ED-1.0CP | LIGHT | 6                                                         | M12X1.5 | 14 | 4                                     | G1/8   | 27 | 59    | 51    | 22   | 0.3131 | 400 |
| D7400-CVT-L08-04-ED-1.0CP |       | 8                                                         | M14X1.5 | 17 | 6                                     | G1/4   | 27 | 63    | 55    | 22   | 0.3395 | 400 |
| D7400-CVT-L10-04-ED-1.0CP |       | 10                                                        | M16X1.5 | 19 | 6                                     | G1/4   | 27 | 61    | 53    | 22   | 0.3241 | 400 |
| D7400-CVT-L12-06-ED-1.0CP |       | 12                                                        | M18X1.5 | 22 | 7.5                                   | G3/8   | 27 | 66    | 58    | 22   | 0.4012 | 400 |
| D7400-CVT-L15-08-ED-1.0CP |       | 15                                                        | M22X1.5 | 27 | 11.5                                  | G1/2   | 32 | 70.5  | 62    | 27   | 0.5776 | 400 |
| D7400-CVT-L18-08-ED-1.0CP |       | 18                                                        | M26X1.5 | 32 | 11.5                                  | G1/2   | 32 | 76.5  | 67    | 27   | 0.7143 | 400 |
| D7400-CVT-L22-12-ED-1.0CP |       | 22                                                        | M30X2.0 | 36 | 18                                    | G3/4   | 46 | 87.5  | 77    | 41   | 1.2985 | 250 |
| D7400-CVT-L28-16-ED-1.0CP |       | 28                                                        | M36X2.0 | 41 | 20                                    | G1     | 46 | 97    | 86    | 41   | 1.6358 | 250 |
| D7400-CVT-L35-20-ED-1.0CP |       | 35                                                        | M45X2.0 | 50 | 29                                    | G1.1/4 | 70 | 109.5 | 97.5  | 60   | 3.4436 | 250 |
| D7400-CVT-L42-24-ED-1.0CP |       | 42                                                        | M52X2.0 | 60 | 29                                    | G1.1/2 | 70 | 109.5 | 97.5  | 60   | 3.7523 | 250 |
| D7400-CVT-S06-04-ED-1.0CP | HEAVY | 6                                                         | M14X1.5 | 17 | 6                                     | G1/4   | 27 | 65    | 57    | 22   | 0.3549 | 400 |
| D7400-CVT-S08-04-ED-1.0CP |       | 8                                                         | M16X1.5 | 19 | 6                                     | G1/4   | 27 | 63    | 55    | 22   | 0.3461 | 400 |
| D7400-CVT-S10-06-ED-1.0CP |       | 10                                                        | M18X1.5 | 22 | 7.5                                   | G3/8   | 27 | 66    | 57    | 22   | 0.4012 | 400 |
| D7400-CVT-S12-06-ED-1.0CP |       | 12                                                        | M20X1.5 | 24 | 7.5                                   | G3/8   | 27 | 68    | 59    | 22   | 0.4365 | 400 |
| D7400-CVT-S14-08-ED-1.0CP |       | 14                                                        | M22X1.5 | 27 | 11.5                                  | G1/2   | 32 | 74    | 64    | 27   | 0.6173 | 400 |
| D7400-CVT-S16-08-ED-1.0CP |       | 16                                                        | M24X1.5 | 30 | 11.5                                  | G1/2   | 32 | 77    | 67    | 27   | 0.6945 | 400 |
| D7400-CVT-S20-12-ED-1.0CP |       | 20                                                        | M30X2.0 | 36 | 18                                    | G3/4   | 46 | 91    | 79    | 41   | 1.3801 | 400 |
| D7400-CVT-S25-16-ED-1.0CP |       | 25                                                        | M36X2.0 | 46 | 20                                    | G1     | 46 | 96    | 83    | 41   | 1.7593 | 250 |
| D7400-CVT-S30-20-ED-1.0CP |       | 30                                                        | M42X2.0 | 50 | 24                                    | G1.1/4 | 55 | 108   | 94    | 50   | 2.5507 | 250 |
| D7400-CVT-S38-24-ED-1.0CP |       | 38                                                        | M52X2.0 | 60 | 29                                    | G1.1/2 | 70 | 119   | 103.5 | 60   | 4.1513 | 250 |

# D8400-CVP-ED

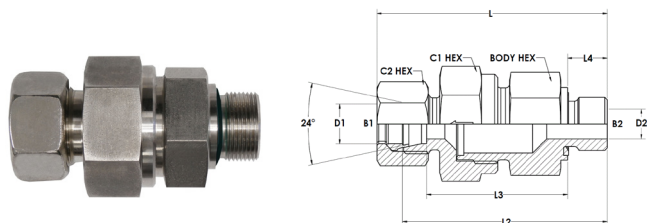
CV MBT-MM STRT (RSVZ M - WD)



| Part #                    | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE METRIC ED SEAL<br>ISO 9974-2 |         |    | L1    | L2    | BODY | WT     | BAR |
|---------------------------|-------|-----------------------------------------------------------|---------|----|-----------------------------------------|---------|----|-------|-------|------|--------|-----|
|                           |       | D1                                                        | THREAD  | C1 | D2                                      | THREAD  | C2 |       |       |      |        |     |
|                           |       |                                                           |         |    |                                         |         |    |       |       |      |        |     |
| D8400-CVP-L06-10-ED-1.0CP | LIGHT | 6                                                         | M12X1.5 | 14 | 4                                       | M10X1.0 | 22 | 59    | 51    | 27   | 0.3131 | 400 |
| D8400-CVP-L08-12-ED-1.0CP |       | 8                                                         | M14X1.5 | 17 | 6                                       | M12X1.5 | 22 | 63    | 55    | 27   | 0.3351 | 400 |
| D8400-CVP-L10-14-ED-1.0CP |       | 10                                                        | M16X1.5 | 19 | 7                                       | M14X1.5 | 22 | 61    | 53    | 27   | 0.3241 | 400 |
| D8400-CVP-L12-16-ED-1.0CP |       | 12                                                        | M18X1.5 | 22 | 7.5                                     | M16X1.5 | 22 | 66    | 58    | 27   | 0.3968 | 400 |
| D8400-CVP-L15-18-ED-1.0CP |       | 15                                                        | M22X1.5 | 27 | 11                                      | M18X1.5 | 27 | 68.5  | 60    | 32   | 0.5512 | 400 |
| D8400-CVP-L18-22-ED-1.0CP |       | 18                                                        | M26X1.5 | 32 | 11.5                                    | M22X1.5 | 27 | 76.5  | 67    | 32   | 0.7253 | 400 |
| D8400-CVP-L22-26-ED-1.0CP |       | 22                                                        | M30X2.0 | 36 | 18                                      | M26X1.5 | 46 | 88.5  | 78    | 41   | 1.3162 | 250 |
| D8400-CVP-L28-33-ED-1.0CP |       | 28                                                        | M36X2.0 | 41 | 20                                      | M33X2.0 | 46 | 91    | 80    | 41   | 1.4793 | 250 |
| D8400-CVP-L35-42-ED-1.0CP |       | 35                                                        | M45X2.0 | 50 | 29                                      | M42X2.0 | 60 | 109.5 | 97.5  | 70   | 3.448  | 250 |
| D8400-CVP-L42-48-ED-1.0CP |       | 42                                                        | M52X2.0 | 60 | 29                                      | M48X2.0 | 60 | 109.5 | 97.5  | 70   | 3.7633 | 250 |
| D8400-CVP-S06-12-ED-1.0CP | HEAVY | 6                                                         | M14X1.5 | 17 | 6                                       | M12X1.5 | 22 | 65    | 57    | 27   | 0.3483 | 400 |
| D8400-CVP-S08-14-ED-1.0CP |       | 8                                                         | M16X1.5 | 19 | 7                                       | M14X1.5 | 22 | 63    | 55    | 27   | 0.3483 | 400 |
| D8400-CVP-S10-16-ED-1.0CP |       | 10                                                        | M18X1.5 | 22 | 7.5                                     | M16X1.5 | 22 | 66    | 57    | 27   | 0.3968 | 400 |
| D8400-CVP-S12-18-ED-1.0CP |       | 12                                                        | M20X1.5 | 24 | 7.5                                     | M18X1.5 | 24 | 68    | 59    | 27   | 0.4586 | 400 |
| D8400-CVP-S14-20-ED-1.0CP |       | 14                                                        | M22X1.5 | 27 | 11.5                                    | M20X1.5 | 27 | 74    | 64    | 32   | 0.6107 | 400 |
| D8400-CVP-S16-22-ED-1.0CP |       | 16                                                        | M24X1.5 | 30 | 11.5                                    | M22X1.5 | 27 | 77    | 67    | 32   | 0.7055 | 400 |
| D8400-CVP-S20-27-ED-1.0CP |       | 20                                                        | M30X2.0 | 36 | 16                                      | M27X2.0 | 46 | 90    | 78    | 41   | 1.3757 | 400 |
| D8400-CVP-S25-33-ED-1.0CP |       | 25                                                        | M36X2.0 | 46 | 20                                      | M33X2.0 | 46 | 96    | 83    | 41   | 1.7681 | 250 |
| D8400-CVP-S30-42-ED-1.0CP |       | 30                                                        | M42X2.0 | 50 | 24                                      | M42X2.0 | 50 | 108   | 94    | 55   | 2.5574 | 250 |
| D8400-CVP-S38-48-ED-1.0CP |       | 38                                                        | M52X2.0 | 60 | 29                                      | M48X2.0 | 60 | 119   | 103.5 | 70   | 4.1601 | 250 |

# D8400-CVT-ED

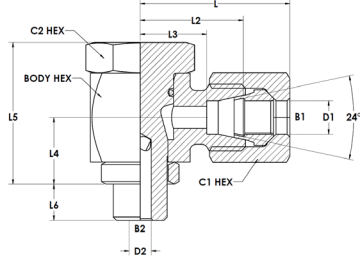
CV MBT-MM STRT (RSVV M - WD)



|                           |       | B1                          |         |    | B2                  |         |    |       |       |      |        |     |
|---------------------------|-------|-----------------------------|---------|----|---------------------|---------|----|-------|-------|------|--------|-----|
|                           |       | DIN METRIC TUBE COMPRESSION |         |    | MALE METRIC ED SEAL |         |    |       |       |      |        |     |
|                           |       | DIN 2353, ISO 8434-1        |         |    | ISO 9974-2          |         |    |       |       |      |        |     |
| Part #                    | CODE  | D1                          | THREAD  | C1 | D2                  | THREAD  | C2 | L1    | L2    | BODY | WT     | BAR |
| D8400-CVT-L06-10-ED-1.0CP | LIGHT | 6                           | M12X1.5 | 14 | 4                   | M10X1.0 | 27 | 59    | 51    | 22   | 0.3131 | 400 |
| D8400-CVT-L08-12-ED-1.0CP |       | 8                           | M14X1.5 | 17 | 6                   | M12X1.5 | 27 | 63    | 55    | 22   | 0.3351 | 400 |
| D8400-CVT-L10-14-ED-1.0CP |       | 10                          | M16X1.5 | 19 | 7                   | M14X1.5 | 27 | 61    | 53    | 22   | 0.3241 | 400 |
| D8400-CVT-L12-16-ED-1.0CP |       | 12                          | M18X1.5 | 22 | 7.5                 | M16X1.5 | 27 | 66    | 58    | 22   | 0.3968 | 400 |
| D8400-CVT-L15-18-ED-1.0CP |       | 15                          | M22X1.5 | 27 | 11                  | M18X1.5 | 32 | 68.5  | 60    | 27   | 0.5512 | 400 |
| D8400-CVT-L18-22-ED-1.0CP |       | 18                          | M26X1.5 | 32 | 11.5                | M22X1.5 | 32 | 76.5  | 67    | 27   | 0.7253 | 400 |
| D8400-CVT-L22-26-ED-1.0CP |       | 22                          | M30X2.0 | 36 | 18                  | M26X1.5 | 46 | 87.5  | 77    | 41   | 1.3095 | 250 |
| D8400-CVT-L28-33-ED-1.0CP |       | 28                          | M36X2.0 | 41 | 20                  | M33X2.0 | 46 | 97    | 86    | 41   | 1.6491 | 250 |
| D8400-CVT-L35-42-ED-1.0CP |       | 35                          | M45X2.0 | 50 | 29                  | M42X2.0 | 70 | 109.5 | 97.5  | 60   | 3.448  | 250 |
| D8400-CVT-L42-48-ED-1.0CP |       | 42                          | M52X2.0 | 60 | 29                  | M48X2.0 | 70 | 109.5 | 97.5  | 60   | 3.7633 | 250 |
| D8400-CVT-S06-12-ED-1.0CP | HEAVY | 6                           | M14X1.5 | 17 | 6                   | M12X1.5 | 27 | 65    | 57    | 22   | 0.3483 | 400 |
| D8400-CVT-S08-14-ED-1.0CP |       | 8                           | M16X1.5 | 19 | 7                   | M14X1.5 | 27 | 63    | 55    | 22   | 0.3483 | 400 |
| D8400-CVT-S10-16-ED-1.0CP |       | 10                          | M18X1.5 | 22 | 7.5                 | M16X1.5 | 27 | 66    | 57    | 22   | 0.3968 | 400 |
| D8400-CVT-S12-18-ED-1.0CP |       | 12                          | M20X1.5 | 24 | 7.5                 | M18X1.5 | 27 | 68    | 59    | 24   | 0.4586 | 400 |
| D8400-CVT-S14-20-ED-1.0CP |       | 14                          | M22X1.5 | 27 | 11.5                | M20X1.5 | 32 | 74    | 64    | 27   | 0.6107 | 400 |
| D8400-CVT-S16-22-ED-1.0CP |       | 16                          | M24X1.5 | 30 | 11.5                | M22X1.5 | 32 | 77    | 67    | 27   | 0.7055 | 400 |
| D8400-CVT-S20-27-ED-1.0CP |       | 20                          | M30X2.0 | 36 | 16                  | M27X2.0 | 46 | 91    | 79    | 41   | 1.4154 | 400 |
| D8400-CVT-S25-33-ED-1.0CP |       | 25                          | M36X2.0 | 46 | 20                  | M33X2.0 | 46 | 96    | 83    | 41   | 1.7725 | 250 |
| D8400-CVT-S30-42-ED-1.0CP |       | 30                          | M42X2.0 | 50 | 24                  | M42X2.0 | 55 | 108   | 94    | 50   | 2.5574 | 250 |
| D8400-CVT-S38-48-ED-1.0CP |       | 38                          | M52X2.0 | 60 | 29                  | M48X2.0 | 70 | 119   | 103.5 | 60   | 4.1601 | 250 |

## D7801-CF-BANJO

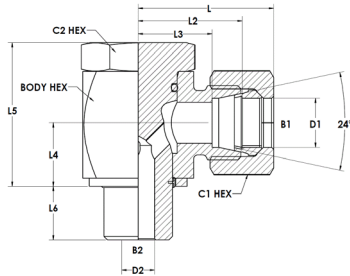
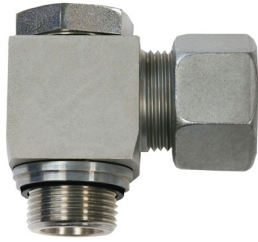
BJ MBT-MBSPP 90 (EWHV R)



|                       |             | B1                          |         |    | B2                      |        |    |      |      |      |        |     |
|-----------------------|-------------|-----------------------------|---------|----|-------------------------|--------|----|------|------|------|--------|-----|
|                       |             | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPP METALLIC SEAL |        |    |      |      |      |        |     |
|                       |             | DIN 2353, ISO 8434-1        |         |    | ISO 1179                |        |    |      |      |      |        |     |
| Part #                | CODE        | D1                          | THREAD  | C1 | D2                      | THREAD | C2 | L1   | L2   | BODY | WT     | BAR |
| D7801-E04-02-CF-BANJO | EXTRA LIGHT | 4                           | M8X1.0  | 10 | 4                       | G1/8   | 14 | 23.9 | 20   | 14   | 0.0841 | 100 |
| D7801-E06-02-CF-BANJO |             | 6                           | M10X1.0 | 12 | 4                       | G1/8   | 14 | 21   | 20   | 14   | 0.0906 | 100 |
| D7801-E08-02-CF-BANJO |             | 8                           | M12X1.0 | 14 | 4                       | G1/8   | 14 | 22.5 | 20   | 14   | 0.0979 | 100 |
| D7801-L06-02-CF-BANJO |             | 6                           | M12X1.5 | 14 | 4                       | G1/8   | 14 | 28   | 20   | 14   | 0.1139 | 500 |
| D7801-L06-04-CF-BANJO |             | 6                           | M12X1.5 | 14 | 5.2                     | G1/4   | 19 | 30   | 22   | 19   | 0.211  | 500 |
| D7801-L08-04-CF-BANJO |             | 8                           | M14X1.5 | 17 | 5.2                     | G1/4   | 19 | 29   | 21   | 19   | 0.2247 | 500 |
| D7801-L10-04-CF-BANJO | LIGHT       | 10                          | M16X1.5 | 19 | 5.2                     | G1/4   | 19 | 30   | 22   | 19   | 0.2386 | 500 |
| D7801-L12-04-CF-BANJO |             | 12                          | M18X1.5 | 22 | 5.2                     | G1/4   | 19 | 30   | 22   | 22   | 0.2973 | 400 |
| D7801-L12-06-CF-BANJO |             | 12                          | M18X1.5 | 22 | 8                       | G3/8   | 22 | 32.5 | 24.5 | 24   | 0.3874 | 400 |
| D7801-L12-08-CF-BANJO |             | 12                          | M18X1.5 | 22 | 11                      | G1/2   | 27 | 36   | 28   | 30   | 0.6519 | 400 |
| D7801-L15-08-CF-BANJO |             | 15                          | M22X1.5 | 27 | 11                      | G1/2   | 27 | 36.5 | 28   | 30   | 0.698  | 400 |
| D7801-L18-08-CF-BANJO |             | 18                          | M26X1.5 | 32 | 11                      | G1/2   | 27 | 37.5 | 28   | 30   | 0.7638 | 400 |
| D7801-L22-12-CF-BANJO |             | 22                          | M30X2.0 | 36 | 15                      | G3/4   | 32 | 45   | 34.5 | 36   | 1.1985 | 250 |
| D7801-L28-16-CF-BANJO |             | 28                          | M36X2.0 | 41 | 19                      | G1     | 41 | 50   | 39   | 46   | 2.1429 | 250 |
| D7801-L35-20-CF-BANJO | HEAVY       | 35.3                        | M45X2.0 | 50 | 24                      | G1.1/4 | 50 | 58   | 46   | 55   | 3.5524 | 250 |
| D7801-L42-24-CF-BANJO |             | 42.3                        | M52X2.0 | 60 | 31                      | G1.1/2 | 55 | 63   | 51   | 65   | 5.3698 | 250 |
| D7801-S06-04-CF-BANJO |             | 6                           | M14X1.5 | 17 | 5.2                     | G1/4   | 19 | 31   | 23   | 19   | 0.2395 | 500 |
| D7801-S08-04-CF-BANJO |             | 8                           | M16X1.5 | 19 | 5.2                     | G1/4   | 19 | 31   | 23   | 19   | 0.2535 | 500 |
| D7801-S10-06-CF-BANJO |             | 10                          | M18X1.5 | 22 | 8                       | G3/8   | 22 | 34.5 | 25.5 | 24   | 0.4129 | 500 |
| D7801-S12-06-CF-BANJO |             | 12                          | M20X1.5 | 24 | 8                       | G3/8   | 22 | 34.5 | 25.5 | 24   | 0.4285 | 400 |
| D7801-S14-08-CF-BANJO |             | 14                          | M22X1.5 | 27 | 11                      | G1/2   | 27 | 40   | 30   | 30   | 0.7415 | 400 |
| D7801-S16-08-CF-BANJO |             | 16                          | M24X1.5 | 30 | 11                      | G1/2   | 27 | 40.2 | 30.2 | 30   | 0.7824 | 400 |
| D7801-S20-12-CF-BANJO |             | 20                          | M30X2.0 | 36 | 15                      | G3/4   | 32 | 48.5 | 36.5 | 36   | 1.2879 | 315 |
| D7801-S25-16-CF-BANJO |             | 25                          | M36X2.0 | 46 | 19                      | G1     | 41 | 56   | 43   | 46   | 2.4896 | 250 |
| D7801-S30-20-CF-BANJO |             | 30                          | M42X2.0 | 50 | 24                      | G1.1/4 | 50 | 64   | 50   | 55   | 3.8319 | 250 |
| D7801-S38-24-CF-BANJO |             | 38.3                        | M52X2.0 | 60 | 31                      | G1.1/2 | 55 | 72.5 | 57   | 65   | 5.834  | 250 |

# D7801-ED-BANJO

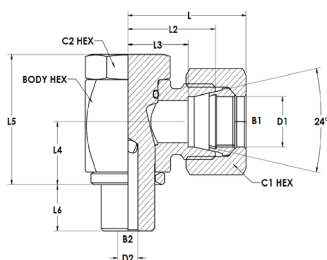
BJ MBT-MBSPP 90 (EWHV R - WD)



|                       |       | B1                          |         |    | B2                |        |    |      |      |      |        |     |
|-----------------------|-------|-----------------------------|---------|----|-------------------|--------|----|------|------|------|--------|-----|
|                       |       | DIN METRIC TUBE COMPRESSION |         |    | MALE BSPP ED SEAL |        |    |      |      |      |        |     |
|                       |       | DIN 2353, ISO 8434-1        |         |    | ISO 1179          |        |    |      |      |      |        |     |
| Part #                | CODE  | D1                          | THREAD  | C1 | D2                | THREAD | C2 | L1   | L2   | BODY | WT     | BAR |
| D7801-E08-02-ED-BANJO | E/L   | 8                           | M12X1.0 | 14 | 4                 | G1/8   | 14 | 25.9 | 20   | 14   | 0.0981 | 100 |
| D7801-L06-02-ED-BANJO |       | 6                           | M12X1.5 | 14 | 4                 | G1/8   | 14 | 28   | 20   | 14   | 0.1141 | 500 |
| D7801-L06-04-ED-BANJO | LIGHT | 6                           | M12X1.5 | 14 | 5.2               | G1/4   | 19 | 30   | 22   | 19   | 0.2109 | 500 |
| D7801-L08-04-ED-BANJO |       | 8                           | M14X1.5 | 17 | 5.2               | G1/4   | 19 | 29   | 21   | 19   | 0.2245 | 500 |
| D7801-L10-04-ED-BANJO |       | 10                          | M16X1.5 | 19 | 5.2               | G1/4   | 19 | 30   | 22   | 19   | 0.2383 | 500 |
| D7801-L12-04-ED-BANJO |       | 12                          | M18X1.5 | 22 | 5.2               | G1/4   | 19 | 30   | 22   | 22   | 0.297  | 400 |
| D7801-L12-06-ED-BANJO |       | 12                          | M18X1.5 | 22 | 8                 | G3/8   | 22 | 32.5 | 24.5 | 24   | 0.3863 | 400 |
| D7801-L12-08-ED-BANJO |       | 12                          | M18X1.5 | 22 | 11                | G1/2   | 27 | 36   | 28   | 30   | 0.6549 | 400 |
| D7801-L15-08-ED-BANJO |       | 15                          | M22X1.5 | 27 | 11                | G1/2   | 27 | 36.5 | 28   | 30   | 0.7007 | 400 |
| D7801-L18-08-ED-BANJO |       | 18                          | M26X1.5 | 32 | 11                | G1/2   | 27 | 37.5 | 28   | 30   | 0.7695 | 400 |
| D7801-L22-12-ED-BANJO |       | 22                          | M30X2.0 | 36 | 15                | G3/4   | 32 | 45   | 34.5 | 36   | 1.2024 | 250 |
| D7801-L28-16-ED-BANJO |       | 28                          | M36X2.0 | 41 | 19                | G1     | 41 | 50   | 39   | 46   | 2.1471 | 250 |
| D7801-L35-20-ED-BANJO |       | 35.3                        | M45X2.0 | 50 | 24                | G1.1/4 | 50 | 58   | 46   | 55   | 3.5585 | 250 |
| D7801-L42-24-ED-BANJO |       | 42.3                        | M52X2.0 | 60 | 31                | G1.1/2 | 55 | 63   | 51   | 65   | 5.3718 | 250 |
| D7801-S06-04-ED-BANJO | HEAVY | 6                           | M14X1.5 | 17 | 5.2               | G1/4   | 19 | 31   | 23   | 19   | 0.2393 | 500 |
| D7801-S08-04-ED-BANJO |       | 8                           | M16X1.5 | 19 | 5.2               | G1/4   | 19 | 31   | 23   | 19   | 0.2532 | 500 |
| D7801-S10-06-ED-BANJO |       | 10                          | M18X1.5 | 22 | 8                 | G3/8   | 22 | 34.5 | 25.5 | 24   | 0.4118 | 500 |
| D7801-S12-06-ED-BANJO |       | 12                          | M20X1.5 | 24 | 8                 | G3/8   | 22 | 34.5 | 25.5 | 24   | 0.4273 | 400 |
| D7801-S14-08-ED-BANJO |       | 14                          | M22X1.5 | 27 | 11                | G1/2   | 27 | 40   | 30   | 30   | 0.7441 | 400 |
| D7801-S16-08-ED-BANJO |       | 16                          | M24X1.5 | 30 | 11                | G1/2   | 27 | 40.2 | 30.2 | 30   | 0.788  | 400 |
| D7801-S20-12-ED-BANJO |       | 20                          | M30X2.0 | 36 | 15                | G3/4   | 32 | 48.5 | 36.5 | 36   | 1.2915 | 315 |
| D7801-S25-16-ED-BANJO |       | 25                          | M36X2.0 | 46 | 19                | G1     | 41 | 56   | 43   | 46   | 2.4922 | 250 |
| D7801-S30-20-ED-BANJO |       | 30                          | M42X2.0 | 50 | 24                | G1.1/4 | 50 | 64   | 50   | 55   | 3.8368 | 250 |
| D7801-S38-24-ED-BANJO |       | 38.3                        | M52X2.0 | 60 | 31                | G1.1/2 | 55 | 72.5 | 57   | 65   | 5.8345 | 250 |

# D8801-CF-BANJO

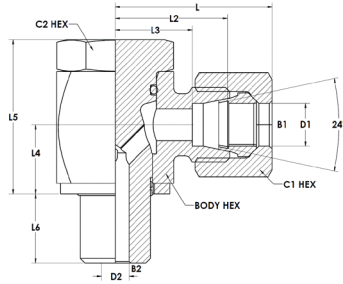
MBT-MM CF 90 ELBOW. (EWHV M)



| Part #                | CODE        | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE METRIC FORM B<br>ISO 9974 FORM B |         |    | L1   | L2   | BODY | WT     | BAR |
|-----------------------|-------------|-----------------------------------------------------------|---------|----|---------------------------------------------|---------|----|------|------|------|--------|-----|
|                       |             | D1                                                        | THREAD  | C1 | D2                                          | THREAD  | C2 |      |      |      |        |     |
|                       |             |                                                           |         |    |                                             |         |    |      |      |      |        |     |
| D8801-E04-08-CF-BANJO | EXTRA LIGHT | 4                                                         | M8X1.0  | 10 | 3                                           | M8X1.0  | 12 | 22.5 | 17   | 12   | 0.059  | 100 |
| D8801-E06-10-CF-BANJO |             | 6                                                         | M10X1.0 | 12 | 4                                           | M10X1.0 | 14 | 25.9 | 20   | 14   | 0.0915 | 100 |
| D8801-E08-10-CF-BANJO |             | 8                                                         | M12X1.0 | 14 | 4                                           | M10X1.0 | 14 | 25.9 | 20   | 14   | 0.0988 | 100 |
| D8801-L06-10-CF-BANJO | LIGHT       | 6                                                         | M12X1.5 | 14 | 4                                           | M10X1.0 | 14 | 28   | 20   | 14   | 0.1148 | 500 |
| D8801-L08-12-CF-BANJO |             | 8                                                         | M14X1.5 | 17 | 5.2                                         | M12X1.5 | 19 | 29   | 21   | 19   | 0.2207 | 500 |
| D8801-L08-14-CF-BANJO |             | 8                                                         | M14X1.5 | 17 | 5.2                                         | M14X1.5 | 19 | 29   | 21   | 19   | 0.229  | 500 |
| D8801-L10-14-CF-BANJO |             | 10                                                        | M16X1.5 | 19 | 5.2                                         | M14X1.5 | 19 | 30   | 22   | 19   | 0.2429 | 500 |
| D8801-L12-14-CF-BANJO |             | 12                                                        | M18X1.5 | 22 | 5.2                                         | M14X1.5 | 19 | 30   | 22   | 22   | 0.3011 | 400 |
| D8801-L12-16-CF-BANJO |             | 12                                                        | M18X1.5 | 22 | 8                                           | M16X1.5 | 22 | 32.5 | 24.5 | 24   | 0.3839 | 400 |
| D8801-L12-18-CF-BANJO |             | 12                                                        | M18X1.5 | 22 | 9.2                                         | M18X1.5 | 24 | 34   | 26   | 27   | 0.4953 | 315 |
| D8801-L15-18-CF-BANJO |             | 15                                                        | M22X1.5 | 27 | 9.2                                         | M18X1.5 | 24 | 35.5 | 27   | 27   | 0.5506 | 400 |
| D8801-L18-22-CF-BANJO |             | 18                                                        | M26X1.5 | 32 | 11                                          | M22X1.5 | 27 | 37.5 | 28   | 30   | 0.7777 | 400 |
| D8801-L22-26-CF-BANJO |             | 22                                                        | M30X2.0 | 36 | 15                                          | M26X1.5 | 32 | 45   | 34.5 | 36   | 1.1897 | 250 |
| D8801-L28-33-CF-BANJO |             | 28                                                        | M36X2.0 | 41 | 19                                          | M33X2.0 | 41 | 50   | 39   | 46   | 2.1357 | 250 |
| D8801-L35-42-CF-BANJO |             | 35.3                                                      | M45X2.0 | 50 | 24                                          | M42X2.0 | 50 | 58   | 46   | 55   | 3.5701 | 250 |
| D8801-L42-48-CF-BANJO |             | 42.3                                                      | M52X2.0 | 60 | 31                                          | M48X2.0 | 55 | 63   | 51   | 65   | 5.399  | 250 |
| D8801-S06-12-CF-BANJO | HEAVY       | 6                                                         | M14X1.5 | 17 | 5.2                                         | M12X1.5 | 19 | 31   | 23   | 19   | 0.2355 | 500 |
| D8801-S08-14-CF-BANJO |             | 8                                                         | M16X1.5 | 19 | 5.2                                         | M14X1.5 | 19 | 31   | 23   | 19   | 0.2578 | 500 |
| D8801-S10-16-CF-BANJO |             | 10                                                        | M18X1.5 | 22 | 8                                           | M16X1.5 | 22 | 34.5 | 25.5 | 24   | 0.4094 | 500 |
| D8801-S12-18-CF-BANJO |             | 12                                                        | M20X1.5 | 24 | 9.2                                         | M18X1.5 | 24 | 36   | 27   | 27   | 0.5366 | 400 |
| D8801-S14-20-CF-BANJO |             | 14                                                        | M22X1.5 | 27 | 11                                          | M20X1.5 | 27 | 40   | 30   | 30   | 0.7303 | 400 |
| D8801-S16-22-CF-BANJO |             | 16                                                        | M24X1.5 | 30 | 11                                          | M22X1.5 | 27 | 40.2 | 30.2 | 30   | 0.7963 | 400 |
| D8801-S20-27-CF-BANJO |             | 20                                                        | M30X2.0 | 36 | 15                                          | M27X2.0 | 32 | 48.5 | 36.5 | 36   | 1.2995 | 315 |
| D8801-S25-33-CF-BANJO |             | 25                                                        | M36X2.0 | 46 | 19                                          | M33X2.0 | 41 | 56   | 43   | 46   | 2.4824 | 250 |
| D8801-S30-42-CF-BANJO |             | 30                                                        | M42X2.0 | 50 | 24                                          | M42X2.0 | 50 | 64   | 50   | 55   | 3.8495 | 250 |
| D8801-S38-48-CF-BANJO |             | 38.3                                                      | M52X2.0 | 60 | 31                                          | M48X2.0 | 55 | 72.5 | 57   | 65   | 5.8632 | 250 |

# D8801-ED-BANJO

BJ MBT-MM 90° (EWHV M - WD)



| Part #                | CODE  | B1<br>DIN METRIC TUBE COMPRESSION<br>DIN 2353, ISO 8434-1 |         |    | B2<br>MALE METRIC ED SEAL<br>ISO 9974-1 |         |    | L1   | L2   | BODY | WT     | BAR |
|-----------------------|-------|-----------------------------------------------------------|---------|----|-----------------------------------------|---------|----|------|------|------|--------|-----|
|                       |       | D1                                                        | THREAD  | C1 | D2                                      | THREAD  | C2 |      |      |      |        |     |
|                       |       |                                                           |         |    |                                         |         |    |      |      |      |        |     |
| D8801-L06-10-ED-BANJO | LIGHT | 6                                                         | M12X1.5 | 14 | 4                                       | M10X1.0 | 14 | 28   | 20   | 14   | 0.1152 | 500 |
| D8801-L08-12-ED-BANJO |       | 8                                                         | M14X1.5 | 17 | 5.2                                     | M12X1.5 | 19 | 29   | 21   | 19   | 0.2202 | 500 |
| D8801-L08-14-ED-BANJO |       | 8                                                         | M14X1.5 | 17 | 5.2                                     | M14X1.5 | 19 | 29   | 21   | 19   | 0.2305 | 500 |
| D8801-L10-12-ED-BANJO |       | 10                                                        | M16X1.5 | 19 | 5.2                                     | M12X1.5 | 19 | 30   | 22   | 19   | 0.234  | 500 |
| D8801-L10-14-ED-BANJO |       | 10                                                        | M16X1.5 | 19 | 5.2                                     | M14X1.5 | 19 | 30   | 22   | 19   | 0.2444 | 500 |
| D8801-L12-16-ED-BANJO |       | 12                                                        | M18X1.5 | 22 | 8                                       | M16X1.5 | 22 | 32.5 | 24.5 | 24   | 0.3834 | 400 |
| D8801-L12-18-ED-BANJO |       | 12                                                        | M18X1.5 | 22 | 8                                       | M18X1.5 | 22 | 34   | 26   | 27   | 0.4663 | 315 |
| D8801-L15-18-ED-BANJO |       | 15                                                        | M22X1.5 | 27 | 9.2                                     | M18X1.5 | 24 | 35.5 | 27   | 27   | 0.5543 | 400 |
| D8801-L18-22-ED-BANJO |       | 18                                                        | M26X1.5 | 32 | 11                                      | M22X1.5 | 27 | 37.5 | 28   | 30   | 0.7797 | 400 |
| D8801-L22-26-ED-BANJO |       | 22                                                        | M30X2.0 | 36 | 15                                      | M26X1.5 | 32 | 45   | 34.5 | 36   | 1.1947 | 250 |
| D8801-L28-33-ED-BANJO |       | 28                                                        | M36X2.0 | 41 | 19                                      | M33X2.0 | 41 | 50   | 39   | 46   | 2.1415 | 250 |
| D8801-L35-42-ED-BANJO |       | 35.3                                                      | M45X2.0 | 50 | 24                                      | M42X2.0 | 50 | 58   | 46   | 55   | 3.5787 | 250 |
| D8801-L42-48-ED-BANJO |       | 42.3                                                      | M52X2.0 | 60 | 31                                      | M48X2.0 | 55 | 63   | 51   | 65   | 5.4095 | 250 |
| D8801-S06-12-ED-BANJO | HEAVY | 6                                                         | M14X1.5 | 17 | 5.2                                     | M12X1.5 | 19 | 31   | 23   | 19   | 0.2349 | 500 |
| D8801-S08-14-ED-BANJO |       | 8                                                         | M16X1.5 | 19 | 5.2                                     | M14X1.5 | 19 | 31   | 23   | 19   | 0.2592 | 500 |
| D8801-S10-16-ED-BANJO |       | 10                                                        | M18X1.5 | 22 | 8                                       | M16X1.5 | 22 | 34.5 | 25.5 | 24   | 0.4089 | 500 |
| D8801-S12-18-ED-BANJO |       | 12                                                        | M20X1.5 | 24 | 9.2                                     | M18X1.5 | 24 | 36   | 27   | 27   | 0.5403 | 400 |
| D8801-S16-22-ED-BANJO |       | 16                                                        | M24X1.5 | 30 | 11                                      | M22X1.5 | 27 | 40.2 | 30.2 | 30   | 0.7983 | 400 |
| D8801-S20-27-ED-BANJO |       | 20                                                        | M30X2.0 | 36 | 15                                      | M27X2.0 | 32 | 48.5 | 36.5 | 36   | 1.3048 | 315 |
| D8801-S25-33-ED-BANJO |       | 25                                                        | M36X2.0 | 46 | 19                                      | M33X2.0 | 41 | 56   | 43   | 46   | 2.4882 | 250 |
| D8801-S30-42-ED-BANJO |       | 30                                                        | M42X2.0 | 50 | 24                                      | M42X2.0 | 50 | 64   | 50   | 55   | 3.8581 | 250 |
| D8801-S38-48-ED-BANJO |       | 38.3                                                      | M52X2.0 | 60 | 31                                      | M48X2.0 | 55 | 72.5 | 57   | 65   | 5.8737 | 250 |

# SEALS

## ED4000

ED SEAL DIN3869 (WDR M - NBR)



|                  | B1                       |                                       | B2   |                          |     |
|------------------|--------------------------|---------------------------------------|------|--------------------------|-----|
|                  | ED SEAL DIN 3869         |                                       |      |                          |     |
|                  | DIN 3869 ED CAPTIVE SEAL |                                       |      |                          |     |
| Part #           | D1                       | THREAD                                | D2   | THREAD                   | L1  |
| ED4000-02        | 8.4                      | METRIC THREAD M 10 X 1.0              | 11.9 | BSPG THREAD G 1/8in.     | 1   |
| ED4000-02-VITON  | 8.4                      | METRIC THREAD M 10 X 1.0              | 11.9 | METRIC THREAD G 1/8in.   | 1   |
| ED4000-04        | 11.6                     | METRIC THREAD M 14 X 1.5              | 16.5 | METRIC THREAD G 1/4in.   | 1.5 |
| ED4000-04-VITON  | 11.6                     | METRIC THREAD M 14 X 1.5              | 16.5 | METRIC THREAD G 1/4in.   | 1.5 |
| ED4000-06        | 14.7                     |                                       | 19.8 | METRIC THREAD G 3/8in.   | 1.5 |
| ED4000-06-VITON  | 14.7                     |                                       | 18.9 | METRIC THREAD G 3/8in.   | 1.5 |
| ED4000-08        | 18.5                     |                                       | 23.9 | METRIC THREAD G 1/2in.   | 1.5 |
| ED4000-08-VITON  | 18.5                     |                                       | 23.9 | METRIC THREAD G 1/2in.   | 1.5 |
| ED4000-12        | 23.9                     | METRIC THREAD M 26 X 1.5 / M 27 X 2.0 | 29.2 | METRIC THREAD G 3/4in.   | 1.5 |
| ED4000-12-VITON  | 23.9                     | METRIC THREAD M 26 X 1.5 / M 27 X 2.0 | 29.2 | METRIC THREAD G 3/4in.   | 1.5 |
| ED4000-16        | 29.7                     | METRIC THREAD M 33 X 2.0              | 25.7 | METRIC THREAD G 1in.     | 2   |
| ED4000-16-VITON  | 29.7                     | METRIC THREAD M 33 X 2.0              | 35.7 | METRIC THREAD G 1in.     | 2   |
| ED4000-20        | 38.7                     | METRIC THREAD M 42 X 2.0              | 45.8 | METRIC THREAD G 1.1/4in. | 2   |
| ED4000-20-VITON  | 38.8                     | METRIC THREAD M 42 X 2.0              | 45.8 | METRIC THREAD G 1.1/4in. | 2   |
| ED4000-24        | 44.7                     | METRIC THREAD M 48 X 2.0              | 50.7 | METRIC THREAD G 1.1/2in. | 2   |
| ED4000-24-VITON  | 44.7                     | METRIC THREAD M 48 X 2.0              | 50.7 | METRIC THREAD G 1.1/2in. | 2   |
| ED4000-M08       | 6.4                      | METRIC THREAD M 8 X 1.0               | 9    |                          | 1   |
| ED4000-M08-VITON | 6.4                      | METRIC THREAD M 8 X 1.0               | 9    |                          | 1   |
| ED4000-M12       | 9.8                      | METRIC THREAD M 12 X 1.5              | 14.4 |                          | 1.5 |
| ED4000-M12-VITON | 9.8                      | METRIC THREAD M 12 X 1.5              | 14.4 |                          | 1.5 |
| ED4000-M16       | 13.8                     | METRIC THREAD M 16 X 1.5              | 18.8 |                          | 1.5 |
| ED4000-M16-VITON | 13.8                     | METRIC THREAD M 16 X 1.5              | 18.9 |                          | 1.5 |
| ED4000-M18       | 15.7                     | METRIC THREAD M 18 X 1.5              | 20.9 |                          | 1.5 |
| ED4000-M18-VITON | 15.7                     | METRIC THREAD M 18 X 1.5              | 20.9 |                          | 1.5 |
| ED4000-M20       | 17.8                     | METRIC THREAD M 20 X 1.5              | 22.9 |                          | 1.5 |
| ED4000-M20-VITON | 17.8                     | METRIC THREAD M 20 X 1.5              | 22.9 |                          | 1.5 |
| ED4000-M22       | 19.6                     | METRIC THREAD M 22 X 1.5              | 24.3 |                          | 1.5 |
| ED4000-M22-VITON | 19.6                     | METRIC THREAD M 22 X 1.5              | 24.3 |                          | 1.5 |

## M4000

DIN O-RING (DKO) (ODR - NBR)



| Part #         | B1         |     |
|----------------|------------|-----|
|                | DIN O-RING |     |
|                | D1         | L1  |
| M4000-06       | 4.5        | 1.5 |
| M4000-06-VITON | 4.5        | 1.5 |
| M4000-08       | 6.5        | 1.5 |
| M4000-08-VITON | 6.5        | 1.5 |
| M4000-10       | 8.5        | 1.5 |
| M4000-10-VITON | 8.5        | 1.5 |
| M4000-12       | 10         | 1.5 |
| M4000-12-VITON | 10         | 1.5 |
| M4000-14       | 12         | 2   |
| M4000-14-VITON | 12         | 2   |
| M4000-15       | 12.5       | 2   |
| M4000-15-VITON | 12.5       | 2   |
| M4000-16       | 14         | 2   |
| M4000-16-VITON | 14         | 2   |
| M4000-18       | 16         | 2   |
| M4000-18-VITON | 16         | 2   |
| M4000-20       | 17.3       | 2.4 |
| M4000-20-VITON | 17.3       | 2.4 |
| M4000-22       | 20         | 2   |
| M4000-22-VITON | 20         | 2   |
| M4000-25       | 22.3       | 2.4 |
| M4000-25-VITON | 22.3       | 2.4 |
| M4000-28       | 26         | 2   |
| M4000-28-VITON | 26         | 2   |
| M4000-30       | 27.3       | 2.4 |
| M4000-30-VITON | 27.3       | 2.4 |
| M4000-35       | 32         | 2.5 |
| M4000-35-VITON | 32         | 2.5 |
| M4000-38       | 35         | 2.5 |
| M4000-38-VITON | 35         | 2.5 |
| M4000-42       | 38         | 2.5 |
| M4000-42-VITON | 38         | 2.5 |

# NUTS, SLEEVES, LOCKNUTS & INSERTS

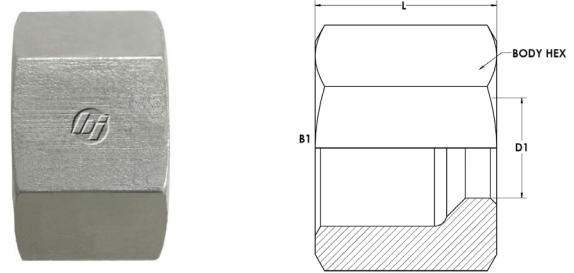
## D0306-M

METRIC BULKHEAD LOCK NUT (GM)



## D0318

MBT TUBE NUT (UM)

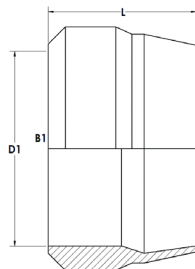


| B1<br>FEMALE METRIC<br>DIN 80705 |         |    |      |       |
|----------------------------------|---------|----|------|-------|
| Part #                           | THREAD  | L1 | BODY | WT    |
| D0306-M12X1.5                    | M12X1.5 | 6  | 17.0 | 0.018 |
| D0306-M14X1.5                    | M14X1.5 | 6  | 19.0 | 0.02  |
| D0306-M16X1.5                    | M16X1.5 | 6  | 22.0 | 0.026 |
| D0306-M18X1.5                    | M18X1.5 | 6  | 24.0 | 0.029 |
| D0306-M20X1.5                    | M20X1.5 | 6  | 27.0 | 0.037 |
| D0306-M22X1.5                    | M22X1.5 | 7  | 30.0 | 0.055 |
| D0306-M26X1.5                    | M26X1.5 | 8  | 36.0 | 0.09  |
| D0306-M36X2.0                    | M36X2.0 | 9  | 46.0 | 0.141 |
| D0306-M42X2.0                    | M42X2.0 | 9  | 50.0 | 0.137 |
| D0306-M45X2.0                    | M45X2.0 | 9  | 55.0 | 0.176 |
| D0306-M52X2.0                    | M52X2.0 | 10 | 65.0 | 0.289 |

| B1<br>METRIC TUBE NUT<br>DIN 3870, 8434-1 |             |      |         |      |      |        |     |
|-------------------------------------------|-------------|------|---------|------|------|--------|-----|
| Part #                                    | CODE        | D1   | THREAD  | L1   | BODY | WT     | BAR |
| D0318-E04                                 | EXTRA LIGHT | 4    | M8X1.0  | 11   | 10   | 0.011  | 100 |
| D0318-E06                                 |             | 6    | M10X1.0 | 11.5 | 12   | 0.0132 | 100 |
| D0318-E08                                 |             | 8    | M12X1.0 | 12   | 14   | 0.0176 | 100 |
| D0318-E10                                 |             | 10   | M14X1.0 | 12.5 | 17   | 0.0287 | 100 |
| D0318-E12                                 |             | 12   | M16X1.0 | 13   | 19   | 0.0309 | 100 |
| D0318-L06                                 | LIGHT       | 6    | M12X1.5 | 14.5 | 14   | 0.0243 | 500 |
| D0318-L08                                 |             | 8    | M14X1.5 | 14.5 | 17   | 0.0353 | 500 |
| D0318-L10                                 |             | 10   | M16X1.5 | 15.5 | 19   | 0.0441 | 500 |
| D0318-L12                                 |             | 12   | M18X1.5 | 15.5 | 22   | 0.0617 | 400 |
| D0318-L15                                 |             | 15   | M22X1.5 | 17   | 27   | 0.0992 | 400 |
| D0318-L18                                 |             | 18   | M26X1.5 | 18   | 32   | 0.1455 | 400 |
| D0318-L22                                 |             | 22   | M30X2.0 | 20   | 36   | 0.194  | 250 |
| D0318-L28                                 |             | 28   | M36X2.0 | 21   | 41   | 0.2249 | 250 |
| D0318-L35                                 |             | 35.3 | M45X2.0 | 24   | 50   | 0.3417 | 250 |
| D0318-L42                                 |             | 42.3 | M52X2.0 | 24   | 60   | 0.5291 | 250 |
| D0318-S06                                 | HEAVY       | 6    | M14X1.5 | 16.5 | 17   | 0.0419 | 800 |
| D0318-S08                                 |             | 8    | M16X1.5 | 16.5 | 19   | 0.0485 | 800 |
| D0318-S10                                 |             | 10   | M18X1.5 | 17.5 | 22   | 0.0728 | 800 |
| D0318-S12                                 |             | 12   | M20X1.5 | 17.5 | 24   | 0.0816 | 630 |
| D0318-S14                                 |             | 14   | M22X1.5 | 20.5 | 27   | 0.1235 | 630 |
| D0318-S16                                 |             | 16   | M24X1.5 | 20.5 | 30   | 0.1543 | 630 |
| D0318-S20                                 |             | 20   | M30X2.0 | 24   | 36   | 0.2425 | 420 |
| D0318-S25                                 |             | 25   | M36X2.0 | 27   | 46   | 0.4828 | 420 |
| D0318-S30                                 |             | 30   | M42X2.0 | 29   | 50   | 0.5291 | 420 |
| D0318-S38                                 |             | 38.3 | M52X2.0 | 32.5 | 60   | 0.7716 | 420 |

# D0319

MBT TUBE SLEEVE / PROGRESSIVE CUTTING RING (PDR)

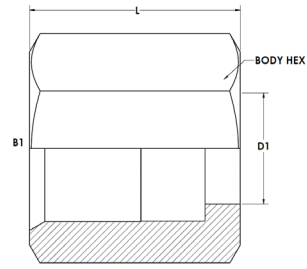
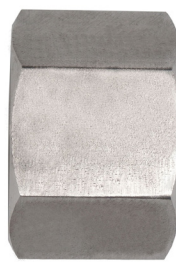


**B1**  
DIN METRIC  
TUBE SLEEVE  
DIN 3861

| Part #    | CODE        | D1 | THREAD | L1   | WT    | BAR |
|-----------|-------------|----|--------|------|-------|-----|
| D0319-06  |             | 6  | 6MM    | 10   | 0.004 | 800 |
| D0319-08  |             | 8  | 8MM    | 9.5  | 0.007 | 800 |
| D0319-10  |             | 10 | 10MM   | 10   | 0.009 | 800 |
| D0319-12  |             | 12 | 12MM   | 9.5  | 0.009 | 630 |
| D0319-14  |             | 14 | 14MM   | 10   | 0.013 | 630 |
| D0319-15  |             | 15 | 15MM   | 10   | 0.011 | 400 |
| D0319-16  |             | 16 | 16MM   | 10.5 | 0.015 | 630 |
| D0319-18  |             | 18 | 18MM   | 10   | 0.015 | 400 |
| D0319-20  |             | 20 | 20MM   | 12   | 0.026 | 420 |
| D0319-22  |             | 22 | 22MM   | 10.5 | 0.02  | 250 |
| D0319-25  |             | 25 | 25MM   | 12   | 0.033 | 420 |
| D0319-28  |             | 28 | 28MM   | 11   | 0.026 | 250 |
| D0319-30  |             | 30 | 30MM   | 13   | 0.044 | 420 |
| D0319-35  |             | 35 | 35MM   | 13   | 0.051 | 250 |
| D0319-38  |             | 38 | 38MM   | 13   | 0.055 | 420 |
| D0319-42  |             | 42 | 42MM   | 13   | 0.059 | 250 |
| D0319-E04 | EXTRA LIGHT | 4  | 04MM   |      |       |     |
| D0319-E06 |             | 6  | 06MM   |      |       |     |
| D0319-E08 |             | 8  | 08MM   |      |       |     |
| D0319-E10 |             | 10 | 10MM   |      |       |     |
| D0319-E12 |             | 12 | 12MM   |      |       |     |

# D0328

37° METR FL NUT (BM)

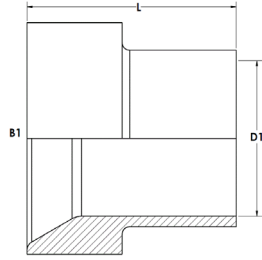
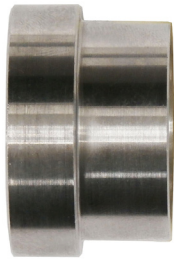


**B1**  
JIC TUBE NUT  
ISO 8434, SAE K 514

| Part #    | CODE  | D1   | THREAD  | L1   | BODY | WT     | BAR |
|-----------|-------|------|---------|------|------|--------|-----|
| D0328-L06 | LIGHT | 7.75 | M12X1.5 | 17   | 14   | 0.026  | 500 |
| D0328-L08 |       | 9.5  | M14X1.5 | 19   | 17   | 0.0444 | 500 |
| D0328-L10 |       | 11.7 | M16X1.5 | 19.5 | 19   | 0.0519 | 500 |
| D0328-L12 |       | 13.8 | M18X1.5 | 21.5 | 22   | 0.0794 | 400 |
| D0328-L15 |       | 17.7 | M22X1.5 | 23   | 27   | 0.1246 | 400 |
| D0328-L18 |       | 21.2 | M26X1.5 | 23   | 32   | 0.1717 | 400 |
| D0328-L22 |       | 24.4 | M30X2.0 | 27.5 | 36   | 0.2476 | 250 |
| D0328-L28 |       | 30.4 | M36X2.0 | 27.5 | 41   | 0.2685 | 250 |
| D0328-L35 |       | 38.3 | M45X2.0 | 30   | 50   | 0.3863 | 250 |
| D0328-L42 |       | 45.3 | M52X2.0 | 34   | 60   | 0.7    | 250 |
| D0328-S06 | HEAVY | 7.75 | M14X1.5 | 19   | 17   | 0.0481 | 630 |
| D0328-S08 |       | 9.5  | M16X1.5 | 20   | 19   | 0.0589 | 630 |
| D0328-S10 |       | 11.7 | M18X1.5 | 21.5 | 22   | 0.0854 | 630 |
| D0328-S12 |       | 13.8 | M20X1.5 | 22   | 24   | 0.0968 | 630 |
| D0328-S14 |       | 17.7 | M22X1.5 | 23   | 27   | 0.1246 | 630 |
| D0328-S16 |       | 18.7 | M24X1.5 | 26.5 | 30   | 0.1831 | 630 |
| D0328-S20 |       | 24.4 | M30X2.0 | 27.5 | 36   | 0.2476 | 420 |
| D0328-S25 |       | 28.7 | M36X2.0 | 30.5 | 46   | 0.5061 | 420 |
| D0328-S30 |       | 34.2 | M42X2.0 | 32   | 50   | 0.5286 | 420 |
| D0328-S38 |       | 42.3 | M52X2.0 | 38   | 60   | 0.8156 | 420 |

# D0329

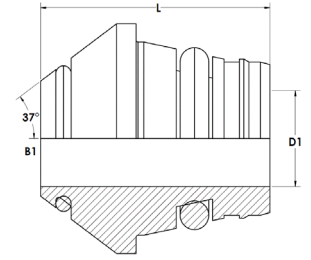
37° METR FL SLV (BDH)



| B1<br>JIC TUBE SLEEVE |       |      |        |     |
|-----------------------|-------|------|--------|-----|
| Part #                | D1    | L1   | WT     | BAR |
| D0329-06              | 6.2   | 10.5 | 0.0048 | 500 |
| D0329-08              | 8.2   | 11   | 0.0061 | 500 |
| D0329-10              | 10.2  | 12.5 | 0.0084 | 500 |
| D0329-12              | 12.2  | 13   | 0.0107 | 400 |
| D0329-14              | 14.2  | 14.5 | 0.0264 | 630 |
| D0329-15              | 15.2  | 14   | 0.0207 | 400 |
| D0329-16              | 16.2  | 17   | 0.0284 | 630 |
| D0329-18              | 18.2  | 14.5 | 0.0317 | 400 |
| D0329-20              | 20.2  | 17.5 | 0.0545 | 420 |
| D0329-22              | 22.2  | 18   | 0.0363 | 250 |
| D0329-25              | 25.2  | 20   | 0.0688 | 420 |
| D0329-28              | 28.2  | 17   | 0.0446 | 250 |
| D0329-30              | 30.2  | 21.5 | 0.0997 | 420 |
| D0329-35              | 35.25 | 19   | 0.0829 | 250 |
| D0329-38              | 38.25 | 26.5 | 0.1666 | 420 |
| D0329-42              | 42.3  | 21   | 0.1117 | 250 |

# D0330

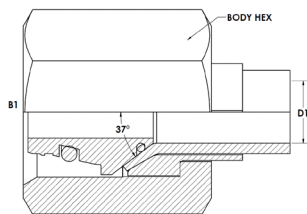
37/24 FL INSERT (BKR)



| B1<br>37 DEGREE FLARE INSERT<br>ISO 3601 O-RING |    |      |        |     |
|-------------------------------------------------|----|------|--------|-----|
| Part #                                          | D1 | L1   | WT     | BAR |
| D0330-06                                        | 3  | 11.5 | 0.0062 | 500 |
| D0330-08                                        | 5  | 12   | 0.0089 | 500 |
| D0330-10                                        | 6  | 12.5 | 0.0143 | 500 |
| D0330-12                                        | 8  | 12.5 | 0.0183 | 400 |
| D0330-14                                        | 9  | 14   | 0.0264 | 630 |
| D0330-15                                        | 11 | 12.5 | 0.0227 | 400 |
| D0330-16                                        | 11 | 15   | 0.0326 | 630 |
| D0330-18                                        | 14 | 13   | 0.0281 | 400 |
| D0330-20                                        | 14 | 18.5 | 0.0603 | 420 |
| D0330-22                                        | 17 | 14.2 | 0.0449 | 250 |
| D0330-25                                        | 19 | 20   | 0.0845 | 420 |
| D0330-28                                        | 23 | 14.7 | 0.062  | 250 |
| D0330-30                                        | 23 | 22   | 0.1262 | 420 |
| D0330-35                                        | 28 | 18.5 | 0.1289 | 250 |
| D0330-38                                        | 30 | 26   | 0.2022 | 420 |
| D0330-42                                        | 35 | 20.5 | 0.1729 | 250 |

# D0333

37/24 TUBE ADAP (B0-SET)

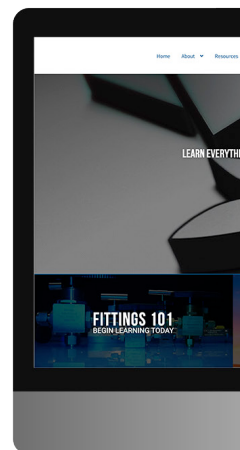


**B1**

**37 DEGREE FLARE ADAPTER**

**ISO 8434-1**

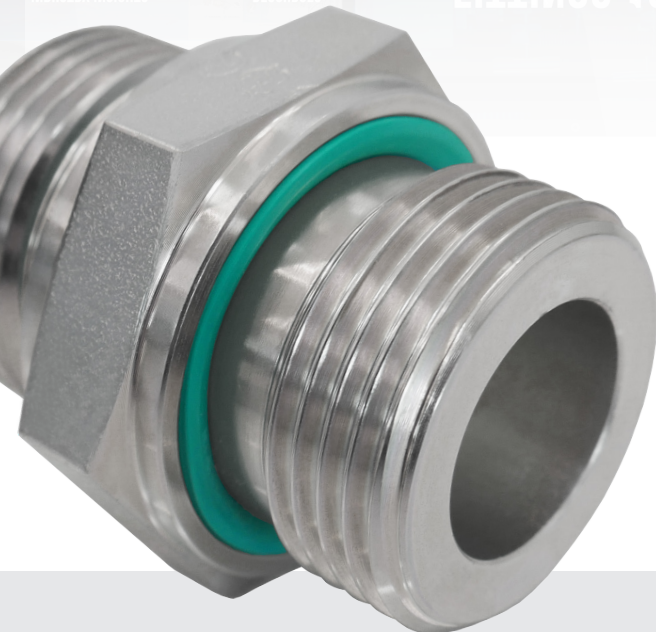
| Part #    | D1 | THREAD  | BODY | WT     | BAR |
|-----------|----|---------|------|--------|-----|
| D0333-L06 | 3  | M12X1.5 | 14   | 0.041  | 500 |
| D0333-L08 | 5  | M14X1.5 | 17   | 0.0648 | 500 |
| D0333-L10 | 6  | M16X1.5 | 19   | 0.0833 | 500 |
| D0333-L12 | 8  | M18X1.5 | 22   | 0.1192 | 400 |
| D0333-L15 | 11 | M22X1.5 | 27   | 0.1897 | 400 |
| D0333-L18 | 14 | M26X1.5 | 32   | 0.2593 | 400 |
| D0333-L22 | 17 | M30X2.0 | 36   | 0.3714 | 250 |
| D0333-L28 | 23 | M36X2.0 | 41   | 0.4445 | 250 |
| D0333-L35 | 28 | M45X2.0 | 50   | 0.6982 | 250 |
| D0333-L42 | 35 | M52X2.0 | 60   | 1.1151 | 250 |
| D0333-S06 | 3  | M14X1.5 | 17   | 0.0631 | 630 |
| D0333-S08 | 5  | M16X1.5 | 19   | 0.0794 | 630 |
| D0333-S10 | 6  | M18X1.5 | 22   | 0.1168 | 630 |
| D0333-S12 | 8  | M20X1.5 | 24   | 0.1366 | 630 |
| D0333-S14 | 9  | M22X1.5 | 27   | 0.1986 | 630 |
| D0333-S16 | 11 | M24X1.5 | 30   | 0.2732 | 630 |
| D0333-S20 | 14 | M30X2.0 | 36   | 0.4118 | 420 |
| D0333-S25 | 19 | M36X2.0 | 46   | 0.7323 | 420 |
| D0333-S30 | 23 | M42X2.0 | 50   | 0.852  | 420 |
| D0333-S38 | 30 | M52X2.0 | 60   | 1.3733 | 420 |





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