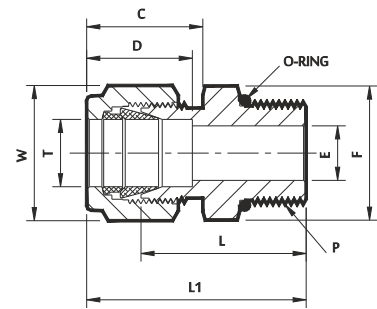


## 2.1 Male Connector

### 06. Fractional Tube x SAE/MS Straight (M)



| Sr. No.              | TUBE<br>OD<br>Ø T     | SAE/MS<br>Male Pipe<br>Size<br>P | Ref. Part No. | ØE   | D    | C    | L    | L1   | Body<br>Hex<br>F | Nut<br>Hex<br>W |
|----------------------|-----------------------|----------------------------------|---------------|------|------|------|------|------|------------------|-----------------|
| Dimensions in Inches |                       |                                  |               |      |      |      |      |      |                  |                 |
| 1                    | (1/16) x (5/16 x 24)  |                                  | 1MCD 5SM      | 0.05 | 0.34 | 0.43 | 0.72 | 0.92 | 7/16             | 5/16            |
| 2                    | (1/8) x (5/16 x 24)   |                                  | 2MCD 5SM      | 0.09 | 0.50 | 0.60 | 0.92 | 1.18 | 7/16             | 7/16            |
| 3                    | (1/8) x (7/16 x 20)   |                                  | 2MCD 7SM      | 0.09 |      |      | 0.98 | 1.24 | 9/16             |                 |
| 4                    | (1/8) x (9/16 x 18)   |                                  | 2MCD 9SM      | 0.09 |      |      | 1.05 | 1.31 | 11/16            |                 |
| 5                    | (3/16) x (3/8 x 24)   |                                  | 3MCD 6SM      | 0.12 | 0.54 | 0.63 | 0.94 | 1.20 | 9/16             | 1/2             |
| 6                    | (1/4) x (7/16 x 20)   |                                  | 4MCD 7SM      | 0.19 | 0.60 | 0.70 | 1.05 | 1.34 | 9/16             | 9/16            |
| 7                    | (1/4) x (9/16 x 18)   |                                  | 4MCD 9SM      | 0.19 |      |      | 1.11 | 1.40 | 11/16            |                 |
| 8                    | (1/4) x (3/4 x 16)    |                                  | 4MCD 12SM     | 0.19 |      |      | 1.19 | 1.48 | 7/8              |                 |
| 9                    | (1/4) x (7/8 x 14)    |                                  | 4MCD 14SM     | 0.19 |      |      | 1.31 | 1.60 | 1                |                 |
| 10                   | (5/16) x (1/2 x 20)   |                                  | 5MCD 8SM      | 0.25 | 0.64 | 0.73 | 1.08 | 1.37 | 5/8              | 5/8             |
| 11                   | (3/8) x (7/16 x 20)   |                                  | 6MCD 7SM      | 0.20 | 0.66 | 0.76 | 1.11 | 1.40 | 5/8              | 11/16           |
| 12                   | (3/8) x (9/16 x 18)   |                                  | 6MCD 9SM      | 0.28 |      |      | 1.17 | 1.46 | 11/16            |                 |
| 13                   | (3/8) x (3/4 x 16)    |                                  | 6MCD 12SM     | 0.28 |      |      | 1.25 | 1.54 | 7/8              |                 |
| 14                   | (3/8) x (7/8 x 14)    |                                  | 6MCD 14SM     | 0.28 |      |      | 1.37 | 1.66 | 1                |                 |
| 15                   | (1/2) x (9/16 x 18)   |                                  | 8MCD 9SM      | 0.28 | 0.90 | 0.86 | 1.14 | 1.54 | 13/16            | 7/8             |
| 16                   | (1/2) x (3/4 x 16)    |                                  | 8MCD 12SM     | 0.41 |      |      | 1.25 | 1.65 | 7/8              |                 |
| 17                   | (1/2) x (7/8 x 14)    |                                  | 8MCD 14SM     | 0.41 |      |      | 1.37 | 1.77 | 1                |                 |
| 18                   | (1/2) x (1.1/16 x 12) |                                  | 8MCD 17SM     | 0.41 |      |      | 1.53 | 1.93 | 1.1/4            |                 |
| 19                   | (5/8) x (3/4 x 16)    |                                  | 10MCD 12SM    | 0.42 | 0.96 | 0.86 | 1.25 | 1.65 | 15/16            | 1               |
| 20                   | (5/8) x (7/8 x 14)    |                                  | 10MCD 14SM    | 0.50 |      |      | 1.38 | 1.78 | 1                |                 |
| 21                   | (3/4) x (3/4 x 16)    |                                  | 12MCD 12SM    | 0.42 | 0.96 | 0.86 | 1.41 | 1.81 | 1.1/16           | 1.1/8           |
| 22                   | (3/4) x (1.1/16 x 12) |                                  | 12MCD 17SM    | 0.62 |      |      | 1.53 | 1.93 | 1.1/4            |                 |
| 23                   | (7/8) x (1.3/16 x 12) |                                  | 14MCD 19SM    | 0.72 | 1.02 | 0.86 | 1.53 | 1.93 | 1.3/8            | 1.1/4           |
| 24                   | (1) x (1.1/16 x 12)   |                                  | 16MCD 17SM    | 0.66 | 1.23 | 1.04 | 1.62 | 2.10 | 1.3/8            | 1.1/2           |
| 25                   | (1) x (1.5/16 x 12)   |                                  | 16MCD 21SM    | 0.88 |      |      | 1.66 | 2.14 | 1.1/2            |                 |

NOTE : ① The E Dimension is the minimum opening & Fittings of this group may be back drilling to lager ID at pipe thread or straight thread end  
 ② Dimension L1, C, D is shown in the finger-tight position.  
 ③ SAE/MS (UNF) thread as per ASME B1.1.