



## Screw to connect tipper couplings

### TC Series



#### INTRODUCTION

Holmbury's TC Series screw to connect tipper couplings are designed for use on tipper trucks. The female coupling has a wing nut sleeve which enables operators to connect the couplings by hand, even when there is low residual pressure in the line.



#### CONSTRUCTION

- Carbon steel with trivalent plating
- Fitted with Nitrile seals

#### FEATURES

- Screw to connect design eliminates brinelling
- Wing nut sleeve design allows connection by hand
- Can be connected with up to 50 bar (735 psi) residual pressure in the hydraulic circuit
- Bidirectional flow
- Male has external thread for bulkhead mounting

#### ACCESSORIES

- Dust caps and plugs are available for the TC Series

#### SPECIFICATIONS

- Operating temperatures (With Nitrile seals): -40°C (-40°F) to 106°C (223°F)

#### APPLICATIONS

- Tipper trucks
- Commercial vehicle trailers, agricultural equipment and construction plant
- Mobile plant

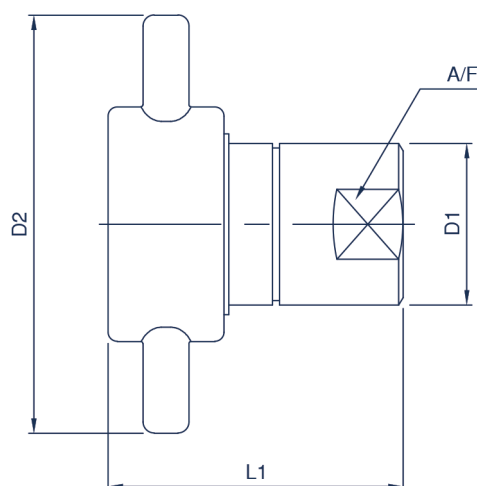
#### TC PERFORMANCE CHARACTERISTICS

| Body Size                          | TC16                          | TC19  |
|------------------------------------|-------------------------------|-------|
|                                    | Pressure in bar - Flow in LPM |       |
|                                    | Pressure in PSI - Flow in GPM |       |
| Maximum working pressure (Coupled) | 350                           | 300   |
|                                    | 5075                          | 4350  |
| Burst pressure (Coupled)           | 1,325                         | 1,325 |
|                                    | 19213                         | 19213 |
| Burst pressure (Male)              | 1,100                         | 1,200 |
|                                    | 15950                         | 17400 |
| Burst pressure (Female)            | 1,300                         | 900   |
|                                    | 18850                         | 13050 |
| Rated flow                         | 106                           | 189   |
|                                    | 28                            | 50    |

#### CAPS/PLUGS ACCESSORIES

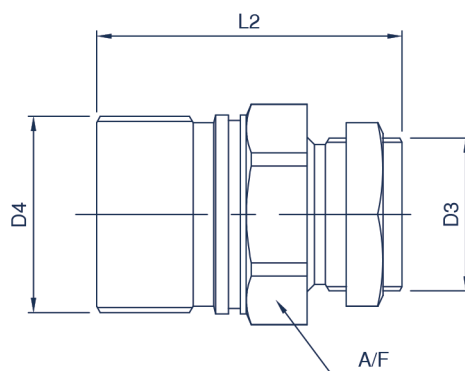
| FEMALE PLUGS | MALE CAPS  |
|--------------|------------|
| TC16-F-PLUG  | TC16-M-CAP |
| TC19-F-PLUG  | TC19-M-CAP |

Standard material is steel



## TC FEMALE COUPLING

| Body Size       | Part Number | Thread Size | D2    |      | L1   |      | D1   |      | A/F  |      |
|-----------------|-------------|-------------|-------|------|------|------|------|------|------|------|
|                 |             |             | mm    | inch | mm   | inch | mm   | inch | mm   | inch |
| <b>16 (5/8)</b> | TC16-F-12G  | 3/4 BSPP    | 114.0 | 4.49 | 74.5 | 2.93 | 37.0 | 1.46 | 29.5 | 1.16 |
| <b>19 (3/4)</b> | TC19-F-16G  | 1 BSPP      | 114.0 | 4.49 | 80.0 | 3.15 | 44.0 | 1.73 | 36.5 | 1.44 |



## TC MALE COUPLING

| Body Size       | Part Number | Thread Size | D4            | L2   |      | D3   |      | A/F  |      |
|-----------------|-------------|-------------|---------------|------|------|------|------|------|------|
|                 |             |             | (Thread size) | mm   | inch | mm   | inch | mm   | inch |
| <b>16 (5/8)</b> | TC16-M-12G  | 3/4 BSPP    | 1 1/4 BSPP    | 78.0 | 3.07 | 44.5 | 1.75 | 46.0 | 1.81 |
| <b>19 (3/4)</b> | TC19-M-16G  | 1 BSPP      | 1 1/4 BSPP    | 83.5 | 3.29 | 53.5 | 2.11 | 55.0 | 2.17 |

For all other configurations or thread types please contact the sales office.