

# Tube Fittings & Flanges

|                                     |    |
|-------------------------------------|----|
| Elbows / Bends                      | 1  |
| Tees                                | 9  |
| Concentric & Eccentric Reducers     | 11 |
| RJT Fittings                        | 13 |
| Tri Fittings                        | 16 |
| Tube Hangers, Clamps & Brackets     | 19 |
| Tube Flanges & Neck Rings           | 23 |
| Wall Expansion Flanges              | 26 |
| Silicone Wall Entry Sealing Flanges | 26 |
| Domed End Caps                      | 27 |
| Handrail Fittings                   | 28 |

# Elbows / Bends

Australian Standard (Uni)

## 90° Long Radius Elbows (Australian Standard)

**Grades:** 304, 316

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Acc. to AS 1528.3

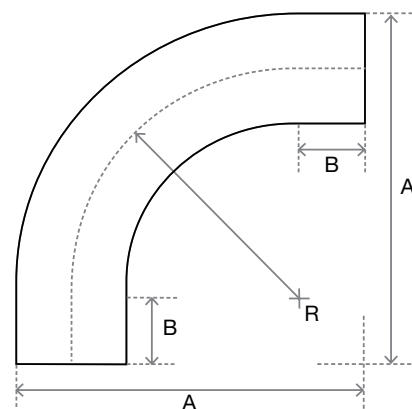


### FTWE

| Product Code        | Grade | Product Size (mm)      | Description                                      | Weight ea (kg) |
|---------------------|-------|------------------------|--------------------------------------------------|----------------|
| FTWE01271690LG304AS | G304  | 12.70 x 1.6mm (1/2")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.04           |
| FTWE01591690LG304AS | G304  | 15.88 x 1.6mm (5/8")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.05           |
| FTWE01901690LG304AS | G304  | 19.05 x 1.6mm (3/4")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.07           |
| FTWE02541690LG304AS | G304  | 25.40 x 1.6mm (1")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.11           |
| FTWE03811690LG304AS | G304  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.27           |
| FTWE05081690LG304AS | G304  | 50.80 x 1.6mm (2")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.44           |
| FTWE06351690LG304AS | G304  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.59           |
| FTWE07621690LG304AS | G304  | 76.20 x 1.6mm (3")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 0.84           |
| FTWE10161690LG304AS | G304  | 101.6 x 1.6mm (4")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 1.12           |
| FTWE12701690LG304AS | G304  | 127.0 x 1.6mm (5")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 1.85           |
| FTWE12702090LG304AS | G304  | 127.0 x 2.0mm (5")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 1.85           |
| FTWE15242090LG304AS | G304  | 152.4 x 2.0mm (6")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3 | 3.20           |
| FTWE01271690LG316AS | G316  | 12.70 x 1.6mm (1/2")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.04           |
| FTWE01591690LG316AS | G316  | 15.88 x 1.6mm (5/8")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.05           |
| FTWE01901690LG316AS | G316  | 19.05 x 1.6mm (3/4")   | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.07           |
| FTWE02541690LG316AS | G316  | 25.40 x 1.6mm (1")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.11           |
| FTWE03811690LG316AS | G316  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.21           |
| FTWE05081690LG316AS | G316  | 50.80 x 1.6mm (2")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.34           |
| FTWE06351690LG316AS | G316  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.48           |
| FTWE07621690LG316AS | G316  | 76.20 x 1.6mm (3")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 0.66           |
| FTWE10161690LG316AS | G316  | 101.6 x 1.6mm (4")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 1.12           |
| FTWE12701690LG316AS | G316  | 127.0 x 1.6mm (5")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 1.85           |
| FTWE12702090LG316AS | G316  | 127.0 x 2.0mm (5")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 1.85           |
| FTWE15242090LG316AS | G316  | 152.4 x 2.0mm (6")     | ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3 | 3.20           |

| Diameter<br>mm | Inch  | Dim A mm | Dim B mm | Radius*<br>mm |
|----------------|-------|----------|----------|---------------|
| 12.70          | 1/2   | 55.4     | 30.0     | 19.0          |
| 15.88          | 5/8   | 61.7     | 30.0     | 23.8          |
| 19.05          | 3/4   | 68.2     | 30.0     | 28.6          |
| 25.40          | 1     | 80.8     | 30.0     | 38.1          |
| 31.80          | 1-1/4 | 93.5     | 30.0     | 47.6          |
| 38.10          | 1-1/2 | 106.2    | 30.0     | 57.2          |
| 50.80          | 2     | 131.6    | 30.0     | 76.2          |
| 63.50          | 2-1/2 | 157.1    | 30.0     | 95.3          |
| 76.20          | 3     | 182.4    | 30.0     | 114.3         |
| 101.6          | 4     | 233.2    | 30.0     | 152.4         |
| 127.0          | 5     | 294.0    | 40.0     | 190.5         |
| 152.4          | 6     | 344.8    | 40.0     | 228.6         |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A  $\pm 1.5$ mm, Dim B Nominal, Radius Nominal



\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.

# Elbows / Bends

## 90° Long Radius OD Elbows (NZ Standard)

**Grades:** 304, 316

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Acc. to AS 1528.3 & A774  
(Remaining sizes match Australian Standard)



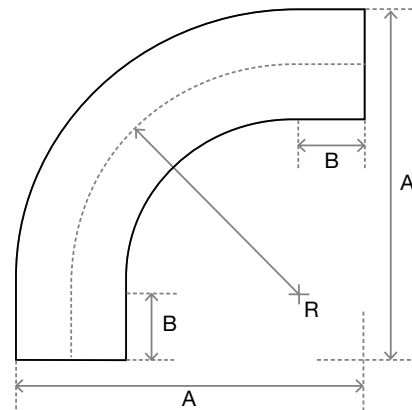
**FTWE**

| Product Code      | Grade | Product Size (mm)      | Description                              | Weight ea (kg) |
|-------------------|-------|------------------------|------------------------------------------|----------------|
| FTWE03181690LG304 | G304  | 31.80 x 1.6mm (1-1/4") | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.18           |
| FTWE03811690LG304 | G304  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.27           |
| FTWE04451690LG304 | G304  | 44.45 x 1.6mm (1-3/4") | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.33           |
| FTWE05081690LG304 | G304  | 50.80 x 1.6mm (2")     | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.44           |
| FTWE06351690LG304 | G304  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.59           |
| FTWE07621690LG304 | G304  | 76.20 x 1.6mm (3")     | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 0.84           |
| FTWE20322090LG304 | G304  | 203.2 OD x 2.0mm (8")  | ELBOW 90DEG LR NZ STANDARD G304 AS1528.3 | 4.90           |
| FTWE03181690LG316 | G316  | 31.80 x 1.6mm (1-1/4") | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.18           |
| FTWE03811690LG316 | G316  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.27           |
| FTWE04451690LG316 | G316  | 44.45 x 1.6mm (1-3/4") | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.32           |
| FTWE05081690LG316 | G316  | 50.80 x 1.6mm (2")     | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.42           |
| FTWE06351690LG316 | G316  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.62           |
| FTWE07621690LG316 | G316  | 76.20 x 1.6mm (3")     | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 0.84           |
| FTWE20322090LG316 | G316L | 203.2 OD x 2.0mm (8")  | ELBOW 90DEG LR NZ STANDARD G316 AS1528.3 | 4.90           |

### NZ Standard Only

| Diameter<br>mm | Inch  | Dim A mm | Dim B mm | Radius*<br>mm |
|----------------|-------|----------|----------|---------------|
| 31.80          | 1-1/4 | 104.9    | 31.8     | 57.2          |
| 38.10          | 1-1/2 | 130.2    | 34.9     | 76.2          |
| 44.55          | 1-3/4 | 139.8    | 38.1     | 79.4          |
| 50.80          | 2     | 158.8    | 31.8     | 101.6         |
| 63.50          | 2-1/2 | 184.2    | 38.1     | 114.3         |
| 76.20          | 3     | 215.9    | 38.1     | 139.7         |
| 203.20         | 8     | 406.4    | 0        | 304.8         |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A  $\pm 1.5$ mm, Dim B Nominal, Radius Nominal



\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth and springback. The "A" dimension will always be correct.

# Elbows / Bends

## 90° Long Radius ID Elbows

**Grades:** 304L, 316L

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Acc. to ASTM A774

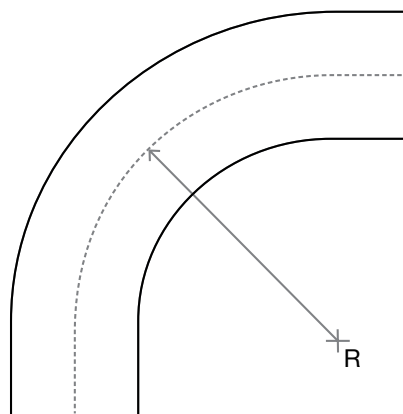


### FTWE

| Product Code         | Grade | Product Size (mm)      | Description                             | Weight ea (kg) |
|----------------------|-------|------------------------|-----------------------------------------|----------------|
| FTWE2032ID1990LG304L | G304L | 203.2 ID x 2.0mm (8")  | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 4.90           |
| FTWE2032ID3090LG304L | G304L | 203.2 ID x 3.0mm (8")  | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 7.80           |
| FTWE2540ID1990LG304L | G304L | 254.0 ID x 2.0mm (10") | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 7.64           |
| FTWE2540ID3090LG304L | G304L | 254.0 ID x 3.0mm (10") | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 12.30          |
| FTWE3048ID1990LG304L | G304L | 304.8 ID x 2.0mm (12") | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 11.20          |
| FTWE3048ID3090LG304L | G304L | 304.8 ID x 3.0mm (12") | ELBOW 90DEG LONG RADIUS G304L ASTM A774 | 17.83          |
| FTWE2032ID1990LG316L | G316L | 203.2 ID x 2.0mm (8")  | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 4.90           |
| FTWE2032ID3090LG316L | G316L | 203.2 ID x 3.0mm (8")  | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 7.80           |
| FTWE2540ID1990LG316L | G316L | 254.0 ID x 2.0mm (10") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 7.64           |
| FTWE2540ID3090LG316L | G316L | 254.0 ID x 3.0mm (10") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 12.30          |
| FTWE3048ID1990LG316L | G316L | 304.8 ID x 2.0mm (12") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 11.20          |
| FTWE3048ID3090LG316L | G316L | 304.8 ID x 3.0mm (12") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 17.83          |
| FTWE3556ID3090LG316L | G316L | 355.6 ID x 3.0mm (14") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 24.90          |
| FTWE4064ID3090LG316  | G316L | 406.4 ID x 3.0mm (16") | ELBOW 90DEG LONG RADIUS G316L ASTM A774 | 31.70          |

| Diameter<br>mm | Inch | Radius* mm |
|----------------|------|------------|
| 203.2          | 8    | 304.8      |
| 254.0          | 10   | 381.0      |
| 304.8          | 12   | 457.2      |
| 355.6          | 14   | 533.4      |
| 406.4          | 16   | 609.6      |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A  $\pm 1.5$ mm, Dim B Nominal, Radius Nominal



*\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

# Elbows / Bends

## 90° Short Radius Elbows

**Grades:** 304, 316, 2205

**Finish:** Polished

**Unit of Supply:** Each

### FTWE

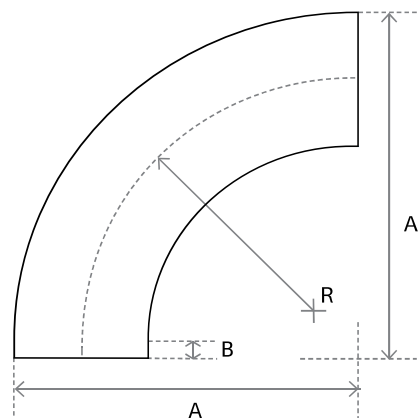


| Product Code       | Grade | Product Size (mm)      | Description                    | Weight ea (kg) |
|--------------------|-------|------------------------|--------------------------------|----------------|
| FTWE02541690SG304  | G304  | 25.40 x 1.6mm (1")     | ELBOW 90DEG SHORT RADIUS G304  | 0.11           |
| FTWE03181690SG304  | G304  | 31.80 x 1.6mm (1-1/4") | ELBOW 90DEG SHORT RADIUS G304  | 0.12           |
| FTWE03811690SG304  | G304  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG SHORT RADIUS G304  | 0.13           |
| FTWE05081690SG304  | G304  | 50.80 x 1.6mm (2")     | ELBOW 90DEG SHORT RADIUS G304  | 0.22           |
| FTWE06351690SG304  | G304  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG SHORT RADIUS G304  | 0.35           |
| FTWE07621690SG304  | G304  | 76.20 x 1.6mm (3")     | ELBOW 90DEG SHORT RADIUS G304  | 0.53           |
| FTWE10161690SG304  | G304  | 101.6 x 1.6mm (4")     | ELBOW 90DEG SHORT RADIUS G304  | 0.90           |
| FTWE02541690SG316  | G316  | 25.40 x 1.6mm (1")     | ELBOW 90DEG SHORT RADIUS G316  | 0.11           |
| FTWE03181690SG316  | G316  | 31.80 x 1.6mm (1-1/4") | ELBOW 90DEG SHORT RADIUS G316  | 0.12           |
| FTWE03811690SG316  | G316  | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG SHORT RADIUS G316  | 0.13           |
| FTWE05081690SG316  | G316  | 50.80 x 1.6mm (2")     | ELBOW 90DEG SHORT RADIUS G316  | 0.22           |
| FTWE06351690SG316  | G316  | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG SHORT RADIUS G316  | 0.35           |
| FTWE07621690SG316  | G316  | 76.20 x 1.6mm (3")     | ELBOW 90DEG SHORT RADIUS G316  | 0.53           |
| FTWE10161690SG316  | G316  | 101.6 x 1.6mm (4")     | ELBOW 90DEG SHORT RADIUS G316  | 0.92           |
| FTWE01901290LG2205 | G2205 | 19.05 x 1.2mm (3/4")   | ELBOW 90DEG SHORT RADIUS G2205 | 0.06           |
| FTWE01901690LG2205 | G2205 | 19.05 x 1.6mm (3/4")   | ELBOW 90DEG SHORT RADIUS G2205 | 0.07           |
| FTWE02541690LG2205 | G2205 | 25.40 x 1.6mm (1")     | ELBOW 90DEG SHORT RADIUS G2205 | 0.03           |
| FTWE03181690LG2205 | G2205 | 31.80 x 1.6mm (1-1/4") | ELBOW 90DEG SHORT RADIUS G2205 | 0.11           |
| FTWE03811690LG2205 | G2205 | 38.10 x 1.6mm (1-1/2") | ELBOW 90DEG SHORT RADIUS G2205 | 0.12           |
| FTWE05081690LG2205 | G2205 | 50.80 x 1.6mm (2")     | ELBOW 90DEG SHORT RADIUS G2205 | 1.00           |
| FTWE06351690LG2205 | G2205 | 63.50 x 1.6mm (2-1/2") | ELBOW 90DEG SHORT RADIUS G2205 | 0.44           |
| FTWE06352090LG2205 | G2205 | 63.50 x 2.0mm (2-1/2") | ELBOW 90DEG SHORT RADIUS G2205 | 0.60           |
| FTWE07622090LG2205 | G2205 | 76.20 x 2.0mm (3")     | ELBOW 90DEG SHORT RADIUS G2205 | 0.63           |
| FTWE10162090LG2205 | G2205 | 101.6 x 2.0mm (4")     | ELBOW 90DEG SHORT RADIUS G2205 | 1.15           |

## 304 and 316 Only

| Diameter mm | Inch  | Dim A mm | Dim B mm | Radius* mm |
|-------------|-------|----------|----------|------------|
| 25.40       | 1     | 50.8     | 0.0      | 38.1       |
| 31.80       | 1-1/4 | 76.2     | 12.7     | 47.6       |
| 38.10       | 1-1/2 | 76.2     | 0.0      | 57.2       |
| 50.80       | 2     | 101.6    | 0.0      | 76.2       |
| 63.50       | 2-1/2 | 127.0    | 0.0      | 95.3       |
| 76.20       | 3     | 152.2    | 0.0      | 114.3      |
| 101.6       | 4     | 203.2    | 0.0      | 152.4      |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Dim A + 1mm -0mm, Dim B Nominal, Radius Nominal



\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.

# Elbows / Bends

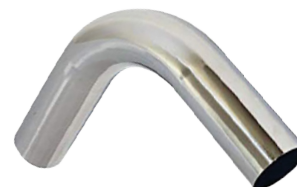
## 90° Long Leg Elbows

**Grades:** 304

**Finish:** Polished

**Unit of Supply:** Each

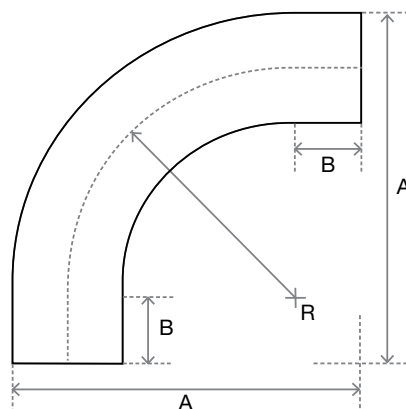
**FTWE**



| Product Code        | Grade | Product Size (mm)      | Description               | Weight ea (kg) |
|---------------------|-------|------------------------|---------------------------|----------------|
| FTWE03181290LG304LL | G304  | 31.80 x 1.2mm (1-1/4") | ELBOW 90DEG G304 LONG LEG | 0.16           |
| FTWE03811290LG304LL | G304  | 38.10 x 1.2mm (1-1/2") | ELBOW 90DEG G304 LONG LEG | 0.24           |
| FTWE05081290LG304LL | G304  | 50.80 x 1.2mm (2")     | ELBOW 90DEG G304 LONG LEG | 0.41           |
| FTWE06351290LG304LL | G304  | 63.50 x 1.2mm (2-1/2") | ELBOW 90DEG G304 LONG LEG | 0.63           |
| FTWE07621690LG304LL | G304  | 76.20 x 1.6mm (3")     | ELBOW 90DEG G304 LONG LEG | 1.24           |
| FTWE10161690LG304LL | G304  | 101.6 x 1.6mm (4")     | ELBOW 90DEG G304 LONG LEG | 1.81           |

| Diameter mm | Inch  | Dim A mm | Dim B mm | Radius* mm |
|-------------|-------|----------|----------|------------|
| 25.40       | 1     | 94.4     | 37.2     | 44.5       |
| 31.80       | 1-1/4 | 120.9    | 47.8     | 57.2       |
| 38.10       | 1-1/2 | 150.1    | 54.9     | 76.2       |
| 50.80       | 2     | 190.8    | 63.8     | 101.6      |
| 63.50       | 2-1/2 | 235.2    | 89.1     | 114.3      |
| 76.20       | 3     | 295.9    | 118.1    | 139.7      |
| 101.6       | 4     | 328.6    | 125.4    | 152.4      |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A + 1mm -0mm, Dim B Nominal, Radius Nominal



*\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

# Elbows / Bends

## 45° Elbows

**Grades:** 304, 316

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Acc. to AS 1528.3

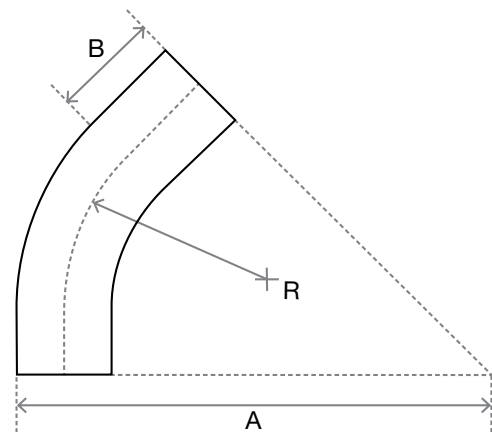


### FTWE

| Product Code      | Grade | Product Size (mm)      | Description               | Weight ea (kg) |
|-------------------|-------|------------------------|---------------------------|----------------|
| FTWE02541645LG304 | G304  | 25.40 x 1.6mm (1")     | ELBOW 45DEG G304 AS1528.3 | 0.08           |
| FTWE03181645LG304 | G304  | 31.80 x 1.6mm (1-1/4") | ELBOW 45DEG G304 AS1528.3 | 0.11           |
| FTWE03811645LG304 | G304  | 38.10 x 1.6mm (1-1/2") | ELBOW 45DEG G304 AS1528.3 | 0.15           |
| FTWE05081645LG304 | G304  | 50.80 x 1.6mm (2")     | ELBOW 45DEG G304 AS1528.3 | 0.23           |
| FTWE06351645LG304 | G304  | 63.50 x 1.6mm (2-1/2") | ELBOW 45DEG G304 AS1528.3 | 0.32           |
| FTWE07621645LG304 | G304  | 76.20 x 1.6mm (3")     | ELBOW 45DEG G304 AS1528.3 | 0.42           |
| FTWE10161645LG304 | G304  | 101.6 x 1.6mm (4")     | ELBOW 45DEG G304 AS1528.3 | 0.68           |
| FTWE12701645LG304 | G304  | 127.0 x 1.6mm (5")     | ELBOW 45DEG G304 AS1528.3 | 1.50           |
| FTWE15242045LG304 | G304  | 152.4 x 2.0mm (6")     | ELBOW 45DEG G304 AS1528.3 | 1.85           |
| FTWE02541645LG316 | G316  | 25.40 x 1.6mm (1")     | ELBOW 45DEG G316 AS1528.3 | 0.09           |
| FTWE03181645LG316 | G316  | 31.80 x 1.6mm (1-1/4") | ELBOW 45DEG G316 AS1528.3 | 0.12           |
| FTWE03811645LG316 | G316  | 38.10 x 1.6mm (1-1/2") | ELBOW 45DEG G316 AS1528.3 | 0.15           |
| FTWE04451645LG316 | G316  | 44.45 x 1.6mm (1-3/4") | ELBOW 45DEG G316 AS1528.3 | 0.20           |
| FTWE05081645LG316 | G316  | 50.80 x 1.6mm (2")     | ELBOW 45DEG G316 AS1528.3 | 0.23           |
| FTWE06351645LG316 | G316  | 63.50 x 1.6mm (2-1/2") | ELBOW 45DEG G316 AS1528.3 | 0.32           |
| FTWE07621645LG316 | G316  | 76.20 x 1.6mm (3")     | ELBOW 45DEG G316 AS1528.3 | 0.44           |
| FTWE10161645LG316 | G316  | 101.6 x 1.6mm (4")     | ELBOW 45DEG G316 AS1528.3 | 0.68           |
| FTWE12701645LG316 | G316  | 127.0 x 1.6mm (5")     | ELBOW 45DEG G316 AS1528.3 | 1.20           |
| FTWE15242045LG316 | G316  | 152.4 x 2.0mm (6")     | ELBOW 45DEG G316 AS1528.3 | 1.86           |
| FTWE20322045LG316 | G316  | 203.2 x 2.0mm (8")     | ELBOW 45DEG G316 AS1528.3 | 2.50           |

| Diameter mm | Inch  | Dim A mm | Dim B mm | Radius* mm |
|-------------|-------|----------|----------|------------|
| 19.05       | 3/4   | 110.5    | 30.0     | 28.7       |
| 25.40       | 1     | 123.0    | 30.0     | 37.1       |
| 31.80       | 1-1/4 | 136.0    | 30.0     | 47.6       |
| 38.10       | 1-1/2 | 148.0    | 30.0     | 57.2       |
| 44.45       | 1-3/4 | 193.6    | 38.1     | 79.4       |
| 50.80       | 2     | 174.0    | 30.0     | 76.2       |
| 63.50       | 2-1/2 | 199.0    | 30.0     | 95.3       |
| 76.20       | 3     | 225.0    | 30.0     | 114.3      |
| 101.6       | 4     | 275.0    | 30.0     | 152.4      |
| 127.0       | 5     | 350.6    | 40.0     | 190.5      |
| 152.4       | 6     | 401.4    | 40.0     | 228.6      |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A  $\pm 1.5$ mm, Dim B Nominal, Radius Nominal



\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.

# Elbows / Bends

## 45° Long Leg Elbows

**Grades:** 304

**Finish:** Polished

**Unit of Supply:** Each

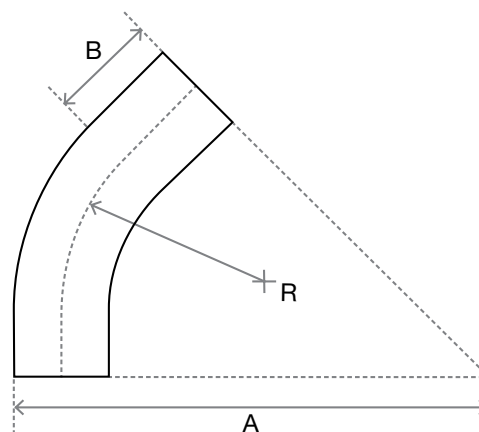


### FTWE

| Product Code        | Grade | Product Size (mm)      | Description               | Weight ea (kg) |
|---------------------|-------|------------------------|---------------------------|----------------|
| FTWE03811245LG304LL | G304  | 38.10 x 1.2mm (1-1/2") | ELBOW 45DEG G304 LONG LEG | 0.15           |
| FTWE05081245LG304LL | G304  | 50.80 x 1.2mm (2")     | ELBOW 45DEG G304 LONG LEG | 0.20           |
| FTWE06351245LG304LL | G304  | 63.50 x 1.2mm (2-1/2") | ELBOW 45DEG G304 LONG LEG | 0.30           |
| FTWE07621645LG304LL | G304  | 76.20 x 1.6mm (3")     | ELBOW 45DEG G304 LONG LEG | 0.50           |
| FTWE10161645LG304LL | G304  | 101.6 x 1.6mm (4")     | ELBOW 45DEG G304 LONG LEG | 1.00           |

| Diameter<br>mm | Inch  | Dim A<br>mm | Dim B<br>mm | Radius*<br>mm |
|----------------|-------|-------------|-------------|---------------|
| 31.80          | 1-1/4 | 188.5       | 47.80       | 57.2          |
| 38.10          | 1-1/2 | 227.8       | 54.90       | 76.2          |
| 50.80          | 2     | 281.0       | 63.80       | 101.6         |
| 63.50          | 2-1/2 | 361.2       | 89.10       | 114.3         |
| 76.20          | 3     | 462.9       | 118.1       | 139.7         |

Tolerances: Diameter  $\pm 0.5\%$  of OD, Square Target 0.2mm, Max 0.4mm, Dim A  $\pm 1.5$ mm, Dim B Nominal, Radius Nominal



*\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*



# Elbows / Bends

## 180° Elbows

**Grades:** 304, 316  
**Unit of Supply:** Each

**Finish:** Polished  
**Certification:** Some sizes  
 acc. to AS 1528.3



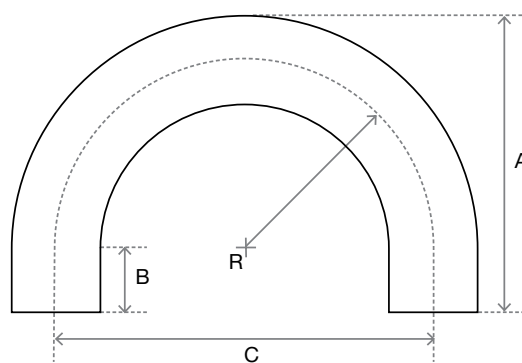
### FTWE

| Product Code      | Grade | Product Size (mm)      | Description       | Weight ea (kg) |
|-------------------|-------|------------------------|-------------------|----------------|
| FTWE025416180G304 | G304  | 25.40 x 1.6mm (1")     | ELBOW 180DEG G304 | 0.16           |
| FTWE031816180G304 | G304  | 31.80 x 1.6mm (1-1/4") | ELBOW 180DEG G304 | 0.28           |
| FTWE038116180G304 | G304  | 38.10 x 1.6mm (1-1/2") | ELBOW 180DEG G304 | 0.43           |
| FTWE050816180G304 | G304  | 50.80 x 1.6mm (2")     | ELBOW 180DEG G304 | 0.70           |
| FTWE063516180G304 | G304  | 63.50 x 1.6mm (2-1/2") | ELBOW 180DEG G304 | 1.02           |
| FTWE076216180G304 | G304  | 76.20 x 1.6mm (3")     | ELBOW 180DEG G304 | 1.46           |
| FTWE101616180G304 | G304  | 101.6 x 1.6mm (4")     | ELBOW 180DEG G304 | 2.00           |
| FTWE025416180G316 | G316  | 25.40 x 1.6mm (1")     | ELBOW 180DEG G316 | 0.16           |
| FTWE031816180G316 | G316  | 31.80 x 1.6mm (1-1/4") | ELBOW 180DEG G316 | 0.28           |
| FTWE038116180G316 | G316  | 38.10 x 1.6mm (1-1/2") | ELBOW 180DEG G316 | 0.43           |
| FTWE044516180G316 | G316  | 44.45 x 1.6mm (1-3/4") | ELBOW 180DEG G316 | 0.61           |
| FTWE050816180G316 | G316  | 50.80 x 1.6mm (2")     | ELBOW 180DEG G316 | 0.76           |
| FTWE063516180G316 | G316  | 63.50 x 1.6mm (2-1/2") | ELBOW 180DEG G316 | 1.02           |
| FTWE076216180G316 | G316  | 76.20 x 1.6mm (3")     | ELBOW 180DEG G316 | 1.46           |
| FTWE101616180G316 | G316  | 101.6 x 1.6mm (4")     | ELBOW 180DEG G316 | 2.00           |

## 180° Elbows – NZ Standard

| Diameter mm | Inch  | Dim A mm | Dim B mm | Radius* mm |
|-------------|-------|----------|----------|------------|
| 31.80       | 1-1/4 | 104.9    | 31.8     | 57.2       |
| 38.10       | 1-1/2 | 130.2    | 34.9     | 76.2       |
| 44.45       | 1-3/4 | 139.8    | 38.1     | 79.4       |
| 50.80       | 2     | 158.8    | 31.8     | 101.6      |
| 63.50       | 2-1/2 | 184.2    | 38.1     | 114.3      |
| 76.20       | 3     | 215.9    | 38.1     | 139.7      |

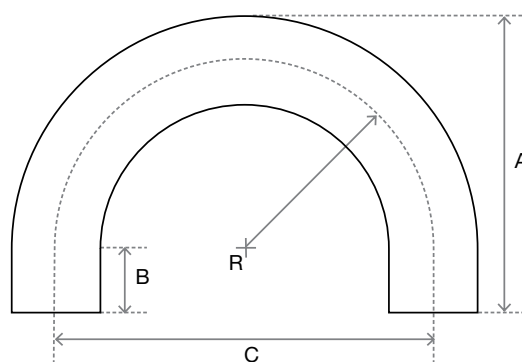
Tolerances: Dim A  $\pm 1$ mm, Dim B Nominal, Dim C Nominal – typically  $2 \times R \times 1.03$ . If critical to your end use, please talk to us first



## 180° Elbows – Australian Standard

| Diameter mm | Inch | Dim A mm | Dim B mm | Radius* mm |
|-------------|------|----------|----------|------------|
| 25.40       | 1    | 80.8     | 30.0     | 38.1       |
| 101.6       | 4    | 233.2    | 30.0     | 152.4      |

Tolerances: Dim A  $\pm 1$ mm, Dim B Nominal, Dim C Nominal – typically  $2 \times R \times 1.03$ . If critical to your end use, please talk to us first



\*Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.

# Tees

## Equal Tees

**Grades:** 304, 316

**Unit of Supply:** Each

**FTWTE**

**Types:** Equal, Swept, Long Leg

**Finish:** Polished

**Certification:** Some sizes  
acc. to AS 1528.3



Equal



Swept



Long Leg

| Product Code      | Grade | Type     | Product Size (mm)      | Description                  | Weight ea (kg) |
|-------------------|-------|----------|------------------------|------------------------------|----------------|
| FTWTE012716G316   | G316  | EQUAL    | 12.70 x 1.6mm (1/2")   | EQUAL TEE TUBE G316 AS1528.3 | 0.03           |
| FTWTE015916G316   | G316  | EQUAL    | 15.88 x 1.6mm (5/8")   | EQUAL TEE TUBE G316 AS1528.3 | 0.05           |
| FTWTE019016G316   | G316  | EQUAL    | 19.05 x 1.6mm (3/4")   | EQUAL TEE TUBE G316 AS1528.3 | 0.06           |
| FTWTE025416G316   | G316  | EQUAL    | 25.40 x 1.6mm (1")     | EQUAL TEE TUBE G316 AS1528.3 | 0.09           |
| FTWTE031816G316   | G316  | EQUAL    | 31.80 x 1.6mm (1-1/4") | EQUAL TEE TUBE G316 AS1528.3 | 0.15           |
| FTWTE038116G316   | G316  | EQUAL    | 38.10 x 1.6mm (1-1/2") | EQUAL TEE TUBE G316 AS1528.3 | 0.22           |
| FTWTE050816G316   | G316  | EQUAL    | 50.80 x 1.6mm (2")     | EQUAL TEE TUBE G316 AS1528.3 | 0.39           |
| FTWTE063516G316   | G316  | EQUAL    | 63.50 x 1.6mm (2-1/2") | EQUAL TEE TUBE G316 AS1528.3 | 0.69           |
| FTWTE076216G316   | G316  | EQUAL    | 76.20 x 1.6mm (3")     | EQUAL TEE TUBE G316 AS1528.3 | 0.89           |
| FTWTE101616G316   | G316  | EQUAL    | 101.6 x 1.6mm (4")     | EQUAL TEE TUBE G316 AS1528.3 | 1.62           |
| FTWTE152420G316   | G316  | EQUAL    | 152.4 x 2.0mm (6")     | EQUAL TEE TUBE G316 AS1528.3 | 2.60           |
| FTWTES012716G316  | G316  | SWEPT    | 12.70 x 1.6mm (1/2")   | SWEPT EQUAL TEE G316         | 0.04           |
| FTWTES015816G316  | G316  | SWEPT    | 15.88 x 1.6mm (5/8")   | SWEPT EQUAL TEE G316         | 0.08           |
| FTWTES019016G316  | G316  | SWEPT    | 19.05 x 1.6mm (3/4")   | SWEPT EQUAL TEE G316         | 0.09           |
| FTWTES025416G316  | G316  | SWEPT    | 25.40 x 1.6mm (1")     | SWEPT EQUAL TEE G316         | 0.09           |
| FTWTES031816G316  | G316  | SWEPT    | 31.80 x 1.6mm (1-1/4") | SWEPT EQUAL TEE T316         | 0.15           |
| FTWTES038116G316  | G316  | SWEPT    | 38.10 x 1.6mm (1-1/2") | SWEPT EQUAL TEE G316         | 0.22           |
| FTWTES050816G316  | G316  | SWEPT    | 50.80 x 1.6mm (2")     | SWEPT EQUAL TEE G316         | 0.39           |
| FTWTES063516G316  | G316  | SWEPT    | 63.50 x 1.6mm (2-1/2") | SWEPT EQUAL TEE G316         | 0.61           |
| FTWTES076216G316  | G316  | SWEPT    | 76.20 x 1.6mm (3")     | SWEPT EQUAL TEE G316         | 0.89           |
| FTWTES101616G316  | G316  | SWEPT    | 101.6 x 1.6mm (4")     | SWEPT EQUAL TEE G316         | 1.62           |
| FTWTES152420G316  | G316  | SWEPT    | 152.4 x 2.0mm (6")     | SWEPT EQUAL TEE G316         | 2.50           |
| FTWTE031816G304LL | G304  | LONG LEG | 31.80 x 1.6mm (1-1/4") | EQUAL TEE TUBE G304 LONG LEG | 0.15           |
| FTWTE038116G304LL | G304  | LONG LEG | 38.10 x 1.6mm (1-1/2") | EQUAL TEE TUBE G304 LONG LEG | 0.22           |
| FTWTE050816G304LL | G304  | LONG LEG | 50.80 x 1.6mm (2")     | EQUAL TEE TUBE G304 LONG LEG | 0.45           |
| FTWTE063516G304LL | G304  | LONG LEG | 63.50 x 1.6mm (2-1/2") | EQUAL TEE TUBE G304 LONG LEG | 0.70           |
| FTWTE076216G304LL | G304  | LONG LEG | 76.20 x 1.6mm (3")     | EQUAL TEE TUBE G304 LONG LEG | 0.93           |
| FTWTE050816G316LL | G316  | LONG LEG | 50.80 x 1.6mm (2")     | EQUAL TEE TUBE G316 LONG LEG | 0.45           |

# Tees

## Equal Pulled Tees

**Grades:** 316

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Some sizes acc. to AS 1528.3



### FTWPT

| Product Code    | Grade | Product Size (mm)      | Description                  | Weight ea (kg) |
|-----------------|-------|------------------------|------------------------------|----------------|
| FTWPT019016G316 | G316  | 19.05 x 1.6mm (3/4")   | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT025416G316 | G316  | 25.40 x 1.6mm (1")     | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT031816G316 | G316  | 31.80 x 1.6mm (1-1/4") | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT038116G316 | G316  | 38.10 x 1.6mm (1-1/2") | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT050816G316 | G316  | 50.80 x 1.6mm (2")     | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT063516G316 | G316  | 63.50 x 1.6mm (2-1/2") | PULLED SPIGGOT TEE TUBE G316 | 0.32           |
| FTWPT076216G316 | G316  | 76.20 x 1.6mm (3")     | PULLED SPIGGOT TEE TUBE G316 | 0.65           |
| FTWPT101616G316 | G316  | 101.6 x 1.6mm (4")     | PULLED SPIGGOT TEE TUBE G316 | 0.84           |
| FTWPT154020G316 | G316  | 152.4 x 2.0mm (6")     | PULLED SPIGGOT TEE TUBE G316 | 1.55           |
| FTWPT203220G316 | G316  | 203.2 x 2.0mm (8")     | PULLED SPIGGOT TEE TUBE G316 | 2.26           |

## Reducing Pulled Tees

**Grades:** 316

**Unit of Supply:** Each

**Finish:** Polished



### FTWRT

| Product Code          | Grade | Product Size (mm)                 | Description                   | Weight ea (kg) |
|-----------------------|-------|-----------------------------------|-------------------------------|----------------|
| FTWRT0381025416G316   | G316  | 38.10 x 25.40mm (1-1/2" x 1")     | REDUCING PULLED TEE TUBE G316 | 0.17           |
| FTWRT0508025416G316   | G316  | 50.80 x 25.40mm (2" x 1")         | REDUCING PULLED TEE TUBE G316 | 0.29           |
| FTWRT0508038116G316   | G316  | 50.80 x 38.10mm (2" x 1-1/2")     | REDUCING PULLED TEE TUBE G316 | 0.29           |
| FTWRT0635025416G316   | G316  | 63.50 x 25.40mm (2-1/2" x 1")     | REDUCING PULLED TEE TUBE G316 | 1.15           |
| FTWRT0635038116G316   | G316  | 63.50 x 38.10mm (2-1/2" x 1-1/2") | REDUCING PULLED TEE TUBE G316 | 1.15           |
| FTWRT0635050816G316   | G316  | 63.50 x 50.80mm (2-1/2" x 2")     | REDUCING PULLED TEE TUBE G316 | 1.15           |
| FTWRT0762038116G316   | G316  | 76.20 x 38.10mm (3" x 1-1/2")     | REDUCING PULLED TEE TUBE G316 | 0.68           |
| FTWRT0762050816G316   | G316  | 76.20 x 50.80mm (3" x 2")         | REDUCING PULLED TEE TUBE G316 | 0.65           |
| FTWRT0762063516G316   | G316  | 76.20 x 63.50mm (3" x 2-1/2")     | REDUCING PULLED TEE TUBE G316 | 0.68           |
| FTWRT1016025416G316   | G316  | 101.6 x 25.40mm (4" x 1")         | REDUCING PULLED TEE TUBE G316 | 0.79           |
| FTWRT1016038116G316   | G316  | 101.6 x 38.10mm (4" x 1-1/2")     | REDUCING PULLED TEE TUBE G316 | 0.79           |
| FTWRT1016050816G316   | G316  | 101.6 x 50.80mm (4" x 2")         | REDUCING PULLED TEE TUBE G316 | 0.82           |
| FTWRT1016063516G316   | G316  | 101.6 x 63.50mm (4" x 2-1/2")     | REDUCING PULLED TEE TUBE G316 | 0.82           |
| FTWRT1016076216G316   | G316  | 101.6 x 76.20mm (4" x 3")         | REDUCING PULLED TEE TUBE G316 | 0.82           |
| FTWRT15240D101620G316 | G316  | 152.4 x 101.6mm x 2mm (6" x 4")   | REDUCING PULLED TEE TUBE G316 | 2.55           |
| FTWRT20320D152420G316 | G316  | 203.2 x 152.4mm x 2mm (8" x 6")   | REDUCING PULLED TEE TUBE G316 | 5.00           |

# Concentric and Eccentric Reducers

## Concentric Reducers

**Grades:** 316

**Type:** Plain, Ultibend

**FTWRC**

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Some sizes  
acc. to AS 1528.3



| Product Code            | Grade | Type  | Product Size (mm)                      | Description                  | Weight ea (kg) |
|-------------------------|-------|-------|----------------------------------------|------------------------------|----------------|
| FTWRC01900D01270D16G316 | G316  | PLAIN | 19.05 x 12.70mm (3/4" x 1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.01           |
| FTWRC02540D01270D16G316 | G316  | PLAIN | 25.40 x 12.70mm (1" x 1/2")            | CONCENTRIC REDUCER TUBE G316 | 0.02           |
| FTWRC02540D01900D16G316 | G316  | PLAIN | 25.40 x 19.05mm (1" x 3/4")            | CONCENTRIC REDUCER TUBE G316 | 0.03           |
| FTWRC03180D01900D16G316 | G316  | PLAIN | 31.80 x 19.05mm (1-1/4" x 3/4")        | CONCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRC03180D02540D16G316 | G316  | PLAIN | 31.80 x 25.40mm (1-1/4" x 1")          | CONCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRC03810D01900D16G316 | G316  | PLAIN | 38.10 x 19.05mm (1-1/2" x 3/4")        | CONCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRC03810D02540D16G316 | G316  | PLAIN | 38.10 x 25.40mm (1-1/2" x 1")          | CONCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRC03810D03180D16G316 | G316  | PLAIN | 38.10 x 31.80mm (1-1/2" x 1-1/4")      | CONCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRC05080D02540D16G316 | G316  | PLAIN | 50.80 x 25.40mm (2" x 1")              | CONCENTRIC REDUCER TUBE G316 | 0.07           |
| FTWRC05080D03180D16G316 | G316  | PLAIN | 50.80 x 31.80mm (2" x 1-1/4")          | CONCENTRIC REDUCER TUBE G316 | 0.07           |
| FTWRC05080D03810D16G316 | G316  | PLAIN | 50.80 x 38.10mm (2" x 1-1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.07           |
| FTWRC06350D02540D16G316 | G316  | PLAIN | 63.50 x 25.40mm (2-1/2" x 1")          | CONCENTRIC REDUCER TUBE G316 | 0.10           |
| FTWRC06350D03180D16G316 | G316  | PLAIN | 63.50 x 31.80mm (2-1/2" x 1-1/4")      | CONCENTRIC REDUCER TUBE G316 | 0.10           |
| FTWRC06350D03810D16G316 | G316  | PLAIN | 63.50 x 38.10mm (2-1/2" x 1-1/2")      | CONCENTRIC REDUCER TUBE G316 | 0.10           |
| FTWRC06350D05080D16G316 | G316  | PLAIN | 63.50 x 50.80mm (2-1/2" x 2")          | CONCENTRIC REDUCER TUBE G316 | 0.11           |
| FTWRC07620D02540D16G316 | G316  | PLAIN | 76.20 x 25.40mm (3" x 1")              | CONCENTRIC REDUCER TUBE G316 | 0.12           |
| FTWRC07620D03810D16G316 | G316  | PLAIN | 76.20 x 38.10mm (3" x 1-1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.13           |
| FTWRC07620D05080D16G316 | G316  | PLAIN | 76.20 x 50.80mm (3" x 2")              | CONCENTRIC REDUCER TUBE G316 | 0.14           |
| FTWRC07620D06350D16G316 | G316  | PLAIN | 76.20 x 63.50mm (3" x 2-1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.15           |
| FTWRC10160D02540D16G316 | G316  | PLAIN | 101.6 x 25.40mm (4" x 1")              | CONCENTRIC REDUCER TUBE G316 | 0.18           |
| FTWRC10160D03810D16G316 | G316  | PLAIN | 101.6 x 38.10mm (4" x 1-1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.18           |
| FTWRC10160D05080D16G316 | G316  | PLAIN | 101.6 x 50.80mm (4" x 2")              | CONCENTRIC REDUCER TUBE G316 | 0.21           |
| FTWRC10160D06350D16G316 | G316  | PLAIN | 101.6 x 63.50mm (4" x 2-1/2")          | CONCENTRIC REDUCER TUBE G316 | 0.23           |
| FTWRC10160D07620D16G316 | G316  | PLAIN | 101.6 x 76.20mm (4" x 3")              | CONCENTRIC REDUCER TUBE G316 | 0.20           |
| FTWRC12700D07620D20G316 | G316  | PLAIN | 127.0 x 76.20mm (5" x 3")              | CONCENTRIC REDUCER TUBE G316 | 0.67           |
| FTWRC12700D10160D20G316 | G316  | PLAIN | 127.0 OD x 101.6mm OD x 2mm (5" x 4")  | CONCENTRIC REDUCER TUBE G316 | 0.67           |
| FTWRC15240D07620D20G316 | G316  | PLAIN | 152.4 OD x 76.20mm OD x 2mm (6" x 3")  | CONCENTRIC REDUCER TUBE G316 | 0.67           |
| FTWRC15240D10160D20G316 | G316  | PLAIN | 152.4 OD x 101.6mm OD x 2mm (6" x 4")  | CONCENTRIC REDUCER TUBE G316 | 0.75           |
| FTWRC15240D12700D20G316 | G316  | PLAIN | 152.4 OD x 127.0mm OD x 2mm (6" x 5")  | CONCENTRIC REDUCER TUBE G316 | 0.75           |
| FTWRC20320D10160D20G316 | G316  | PLAIN | 203.2 OD x 101.6mm OD x 2mm (8" x 4")  | CONCENTRIC REDUCER TUBE G316 | 1.10           |
| FTWRC20320D15240D20G316 | G316  | PLAIN | 203.2 OD x 152.4mm OD x 2mm (8" x 6")  | CONCENTRIC REDUCER TUBE G316 | 1.10           |
| FTWRC2032ID07620D20G316 | G316  | PLAIN | 203.2 ID x 76.20mm OD x 2mm (8" x 3")  | CONCENTRIC REDUCER TUBE G316 | 1.00           |
| FTWRC2032ID10160D20G316 | G316  | PLAIN | 203.2 ID x 101.6mm OD x 2mm (8" x 4")  | CONCENTRIC REDUCER TUBE G316 | 1.00           |
| FTWRC2032ID15240D20G316 | G316  | PLAIN | 203.2 ID x 152.4mm OD x 2mm (8" x 6")  | CONCENTRIC REDUCER TUBE G316 | 1.00           |
| FTWRC2540ID10160D20G316 | G316  | PLAIN | 254.0 ID x 101.6mm OD x 2mm (10" x 4") | CONCENTRIC REDUCER TUBE G316 | 1.00           |
| FTWRC2540ID15240D20G316 | G316  | PLAIN | 254.0 ID x 152.4mm OD x 2mm (10" x 6") | CONCENTRIC REDUCER TUBE G316 | 2.00           |
| FTWRC2540ID2032ID20G316 | G316  | PLAIN | 254.0 ID x 203.2mm ID x 2mm (10" x 8") | CONCENTRIC REDUCER TUBE G316 | 2.20           |
| FTWRC3048ID2032ID20G316 | G316  | PLAIN | 304.8 ID x 203.2mm ID x 2mm (12" x 8") | CONCENTRIC REDUCER TUBE G316 | 2.30           |

# Concentric and Eccentric Reducers

## Concentric Reducers – Long Leg

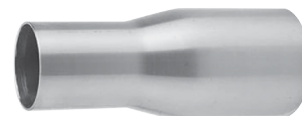
**Grades:** 304

**Type:** Long Leg

**Unit of Supply:** Each

**Finish:** Polished

**FTWRCR**



| Product Code         | Grade | Type | Product Size (mm)                 | Description                           | Weight ea (kg) |
|----------------------|-------|------|-----------------------------------|---------------------------------------|----------------|
| FTWRCR03810318G304LL | G304  | LL   | 38.10 x 31.80mm (1-1/2" x 1-1/4") | CONCENTRIC REDUCER TUBE G304 LONG LEG | 0.11           |
| FTWRCR05080381G304LL | G304  | LL   | 50.80 x 38.10mm (2" x 1-1/2")     | CONCENTRIC REDUCER TUBE G304 LONG LEG | 0.15           |
| FTWRCR06350508G304LL | G304  | LL   | 63.50 x 50.80mm (2-1/2" x 2")     | CONCENTRIC REDUCER TUBE G304 LONG LEG | 0.20           |

## Eccentric Reducers

**Grades:** 316

**Type:** Plain, Ulitbend

**Unit of Supply:** Each

**Finish:** Polished

**Certification:** Some sizes acc. to AS 1528.3

**FTWRE**



| Product Code            | Grade | Type  | Product Size (mm)                 | Description                 | Weight ea (kg) |
|-------------------------|-------|-------|-----------------------------------|-----------------------------|----------------|
| FTWRE01900D01270D16G316 | G316  | PLAIN | 19.05 x 12.70mm (3/4" x 1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.01           |
| FTWRE02540D01900D16G316 | G316  | PLAIN | 25.40 x 19.05mm (1" x 3/4")       | ECCENTRIC REDUCER TUBE G316 | 0.01           |
| FTWRE03180D02540D16G316 | G316  | PLAIN | 31.80 x 25.40mm (1-1/4" x 1")     | ECCENTRIC REDUCER TUBE G316 | 0.03           |
| FTWRE03810D02540D16G316 | G316  | PLAIN | 38.10 x 25.40mm (1-1/2" x 1")     | ECCENTRIC REDUCER TUBE G316 | 0.04           |
| FTWRE03810D03180D16G316 | G316  | PLAIN | 38.10 x 31.80mm (1-1/2" x 1-1/4") | ECCENTRIC REDUCER TUBE G316 | 0.35           |
| FTWRE05080D02540D16G316 | G316  | PLAIN | 50.80 x 25.40mm (2" x 1")         | ECCENTRIC REDUCER TUBE G316 | 0.06           |
| FTWRE05080D03180D16G316 | G316  | PLAIN | 50.80 x 31.80mm (2" x 1-1/4")     | ECCENTRIC REDUCER TUBE G316 | 0.05           |
| FTWRE05080D03810D16G316 | G316  | PLAIN | 50.80 x 38.10mm (2" x 1-1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.05           |
| FTWRE06350D02540D16G316 | G316  | PLAIN | 63.50 x 25.40mm (2-1/2" x 1")     | ECCENTRIC REDUCER TUBE G316 | 0.09           |
| FTWRE06350D03810D16G316 | G316  | PLAIN | 63.50 x 38.10mm (2-1/2" x 1-1/2") | ECCENTRIC REDUCER TUBE G316 | 0.09           |
| FTWRE06350D05080D16G316 | G316  | PLAIN | 63.50 x 50.80mm (2-1/2" x 2")     | ECCENTRIC REDUCER TUBE G316 | 0.11           |
| FTWRE07620D02540D16G316 | G316  | PLAIN | 76.20 x 25.40mm (3" x 1")         | ECCENTRIC REDUCER TUBE G316 | 0.12           |
| FTWRE07620D03810D16G316 | G316  | PLAIN | 76.20 x 38.10mm (3" x 1-1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.13           |
| FTWRE07620D05080D16G316 | G316  | PLAIN | 76.20 x 50.80mm (3" x 2")         | ECCENTRIC REDUCER TUBE G316 | 0.15           |
| FTWRE07620D06350D16G316 | G316  | PLAIN | 76.20 x 63.50mm (3" x 2-1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.15           |
| FTWRE10160D02540D16G316 | G316  | PLAIN | 101.6 x 25.40mm (4" x 1")         | ECCENTRIC REDUCER TUBE G316 | 0.19           |
| FTWRE10160D03810D16G316 | G316  | PLAIN | 101.6 x 38.10mm (4" x 1-1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.19           |
| FTWRE10160D05080D16G316 | G316  | PLAIN | 101.6 x 50.80mm (4" x 2")         | ECCENTRIC REDUCER TUBE G316 | 0.22           |
| FTWRE10160D06350D16G316 | G316  | PLAIN | 101.6 x 63.50mm (4" x 2-1/2")     | ECCENTRIC REDUCER TUBE G316 | 0.22           |
| FTWRE10160D07620D16G316 | G316  | PLAIN | 101.6 x 76.20mm (4" x 3")         | ECCENTRIC REDUCER TUBE G316 | 0.21           |
| FTWRE1270D10160D16G316  | G316  | PLAIN | 127.0 x 101.6mm (5" x 4")         | ECCENTRIC REDUCER TUBE G316 | 0.59           |
| FTWRE15240D07620D20G316 | G316  | PLAIN | 152.4 x 76.20mm (6" x 3")         | ECCENTRIC REDUCER TUBE G316 | 1.00           |
| FTWRE15240D10160D20G316 | G316  | PLAIN | 152.4 x 101.6mm (6" x 4")         | ECCENTRIC REDUCER TUBE G316 | 1.00           |

# RJT Fittings

## Slotted Round Nuts

**Grades:** 304

**Unit of Supply:** Each



### FTRSN

| Product Code  | Grade | Product Size (mm) | Description                | Weight ea (kg) |
|---------------|-------|-------------------|----------------------------|----------------|
| FTRSN0254G304 | G304  | 25.40mm (1")      | RJT SLOTTED ROUND NUT G304 | 0.19           |
| FTRSN0381G304 | G304  | 38.10mm (1-1/2")  | RJT SLOTTED ROUND NUT G304 | 0.18           |
| FTRSN0508G304 | G304  | 50.80mm (2")      | RJT SLOTTED ROUND NUT G304 | 0.28           |
| FTRSN0635G304 | G304  | 63.50mm (2-1/2")  | RJT SLOTTED ROUND NUT G304 | 0.31           |
| FTRSN0762G304 | G304  | 76.20mm (3")      | RJT SLOTTED ROUND NUT G304 | 0.42           |
| FTRSN1016G304 | G304  | 101.6mm (4")      | RJT SLOTTED ROUND NUT G304 | 0.76           |
| FTRSN1270G304 | G304  | 127.0mm (5")      | RJT SLOTTED ROUND NUT G304 | 1.29           |
| FTRSN1524G304 | G304  | 152.4mm (6")      | RJT SLOTTED ROUND NUT G304 | 1.31           |

## Hexagon Nuts

**Grades:** 304

**Unit of Supply:** Each



### FTRHN

| Product Code  | Grade | Product Size (mm) | Description      | Weight ea (kg) |
|---------------|-------|-------------------|------------------|----------------|
| FTRHN0254G304 | G304  | 25.40mm (1")      | RJT HEX NUT G304 | 0.14           |
| FTRHN0381G304 | G304  | 38.10mm (1-1/2")  | RJT HEX NUT G304 | 0.21           |
| FTRHN0508G304 | G304  | 50.80mm (2")      | RJT HEX NUT G304 | 0.29           |
| FTRHN0635G304 | G304  | 63.50mm (2-1/2")  | RJT HEX NUT G304 | 0.36           |
| FTRHN0762G304 | G304  | 76.20mm (3")      | RJT HEX NUT G304 | 0.42           |
| FTRHN1016G304 | G304  | 101.6mm (4")      | RJT HEX NUT G304 | 0.56           |

## Male Part

**Grades:** 316

**Unit of Supply:** Each



### FTRMP

| Product Code  | Grade | Product Size (mm) | Description        | Weight ea (kg) |
|---------------|-------|-------------------|--------------------|----------------|
| FTRMP0254G316 | G316  | 25.40mm (1")      | RJT MALE PART G316 | 0.08           |
| FTRMP0381G316 | G316  | 38.10mm (1-1/2")  | RJT MALE PART G316 | 0.13           |
| FTRMP0508G316 | G316  | 50.80mm (2")      | RJT MALE PART G316 | 0.21           |
| FTRMP0635G316 | G316  | 63.50mm (2-1/2")  | RJT MALE PART G316 | 0.26           |
| FTRMP0762G316 | G316  | 76.20mm (3")      | RJT MALE PART G316 | 0.29           |
| FTRMP1016G316 | G316  | 101.6mm (4")      | RJT MALE PART G316 | 0.37           |
| FTRMP1270G316 | G316  | 127.0mm (5")      | RJT MALE PART G316 | 0.65           |
| FTRMP1524G316 | G316  | 152.4mm (6")      | RJT MALE PART G316 | 0.65           |

# RJT Fittings

## Sanitary Liner

**Grades:** 316

**Unit of Supply:** Each

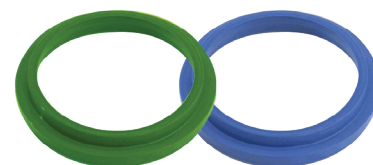


### FTRSL

| Product Code  | Grade | Product Size (mm) | Description              | Weight ea (kg) |
|---------------|-------|-------------------|--------------------------|----------------|
| FTRSL0254G316 | G316  | 25.40mm (1")      | RJT SANITARY LINERS G316 | 0.07           |
| FTRSL0381G316 | G316  | 38.10mm (1-1/2")  | RJT SANITARY LINERS G316 | 0.12           |
| FTRSL0508G316 | G316  | 50.80mm (2")      | RJT SANITARY LINERS G316 | 0.13           |
| FTRSL0635G316 | G316  | 63.50mm (2-1/2")  | RJT SANITARY LINERS G316 | 0.16           |
| FTRSL0762G316 | G316  | 76.20mm (3")      | RJT SANITARY LINERS G316 | 0.20           |
| FTRSL1016G316 | G316  | 101.6mm (4")      | RJT SANITARY LINERS G316 | 0.30           |
| FTRSL1270G316 | G316  | 127.0mm (5")      | RJT SANITARY LINERS G316 | 0.30           |
| FTRSL1524G316 | G316  | 152.4mm (6")      | RJT SANITARY LINERS G316 | 0.43           |

## Sanitary Step Seals

**Types:** Nitrile (typically Blue) or EPDM (typically Green)



### FTRSS

| Product Code   | Type         | Product Size (mm) | Description                         | Weight ea (kg) |
|----------------|--------------|-------------------|-------------------------------------|----------------|
| FTRSS0254GREEN | EPDM GREEN   | 25.40mm (1")      | RJT SANITARY STEP SEAL EPDM GREEN   | 0.01           |
| FTRSS0381GREEN | EPDM GREEN   | 38.10mm (1-1/2")  | RJT SANITARY STEP SEAL EPDM GREEN   | 0.01           |
| FTRSS0508GREEN | EPDM GREEN   | 50.80mm (2")      | RJT SANITARY STEP SEAL EPDM GREEN   | 0.01           |
| FTRSS0635GREEN | EPDM GREEN   | 63.50mm (2-1/2")  | RJT SANITARY STEP SEAL EPDM GREEN   | 0.02           |
| FTRSS0762GREEN | EPDM GREEN   | 76.20mm (3")      | RJT SANITARY STEP SEAL EPDM GREEN   | 0.03           |
| FTRSS1016GREEN | EPDM GREEN   | 101.6mm (4")      | RJT SANITARY STEP SEAL EPDM GREEN   | 0.03           |
| FTRSS1524GREEN | EPDM GREEN   | 152.4mm (6")      | RJT SANITARY STEP SEAL EPDM GREEN   | 0.05           |
| FTRSS0254BLUE  | NITRILE BLUE | 25.40mm (1")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.01           |
| FTRSS0381BLUE  | NITRILE BLUE | 38.10mm (1-1/2")  | RJT SANITARY STEP SEAL NITRILE BLUE | 0.01           |
| FTRSS0508BLUE  | NITRILE BLUE | 50.80mm (2")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.01           |
| FTRSS0635BLUE  | NITRILE BLUE | 63.50mm (2-1/2")  | RJT SANITARY STEP SEAL NITRILE BLUE | 0.02           |
| FTRSS0762BLUE  | NITRILE BLUE | 76.20mm (3")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.03           |
| FTRSS1016BLUE  | NITRILE BLUE | 101.6mm (4")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.03           |
| FTRSS1270BLUE  | NITRILE BLUE | 127.0mm (5")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.04           |
| FTRSS1524BLUE  | NITRILE BLUE | 152.4mm (6")      | RJT SANITARY STEP SEAL NITRILE BLUE | 0.05           |

## C Spanner

**Grades:** 304

**Unit of Supply:** Each



### FTRSN

| Product Code | Grade | Product Size (mm) | Description | Weight ea (kg) |
|--------------|-------|-------------------|-------------|----------------|
| FTRCSpanner  |       | 25.40mm x 152.4mm | C SPANNER   | 0.50           |

# RJT Fittings

## Blank Liner

Grades: 304, 316

Unit of Supply: Each



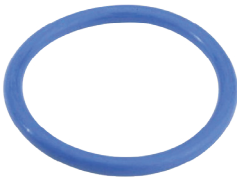
FTRBL

| Product Code  | Grade | Product Size (mm) | Description          | Weight ea (kg) |
|---------------|-------|-------------------|----------------------|----------------|
| FTRBL0254G304 | G304  | 25.40mm (1")      | RJT BLANK LINER G304 | 0.03           |
| FTRBL0381G304 | G304  | 38.10mm (1-1/2")  | RJT BLANK LINER G304 | 0.05           |
| FTRBL0508G304 | G304  | 50.80mm (2")      | RJT BLANK LINER G304 | 0.08           |
| FTRBL0635G304 | G304  | 63.50mm (2-1/2")  | RJT BLANK LINER G304 | 0.11           |
| FTRBL0762G304 | G304  | 76.20mm (3")      | RJT BLANK LINER G304 | 0.14           |
| FTRBL1016G304 | G304  | 101.6mm (4")      | RJT BLANK LINER G304 | 0.23           |
| FTRBL1524G304 | G304  | 152.4mm (6")      | RJT BLANK LINER G304 | 0.47           |
| FTRBL0254G316 | G316  | 25.40mm (1")      | RJT BLANK LINER G316 | 0.03           |
| FTRBL0381G316 | G316  | 38.10mm (1-1/2")  | RJT BLANK LINER G316 | 0.05           |
| FTRBL0508G316 | G316  | 50.80mm (2")      | RJT BLANK LINER G316 | 0.08           |
| FTRBL0635G316 | G316  | 63.50mm (2-1/2")  | RJT BLANK LINER G316 | 0.11           |
| FTRBL0762G316 | G316  | 76.20mm (3")      | RJT BLANK LINER G316 | 0.14           |
| FTRBL1016G316 | G316  | 101.6mm (4")      | RJT BLANK LINER G316 | 0.23           |
| FTRBL1524G316 | G316  | 152.4mm (6")      | RJT BLANK LINER G316 | 0.47           |

## O-Rings

Type: Nitrile Blue

Unit of Supply: Each



FTROR

| Product Code  | Type         | Product Size (mm) | Description             | Weight ea (kg) |
|---------------|--------------|-------------------|-------------------------|----------------|
| FTROR0254BLUE | NITRILE BLUE | 25.40mm (1")      | RJT O-RING NITRILE BLUE | 0.01           |
| FTROR0381BLUE | NITRILE BLUE | 38.10mm (1-1/2")  | RJT O-RING NITRILE BLUE | 0.01           |
| FTROR0508BLUE | NITRILE BLUE | 50.80mm (2")      | RJT O-RING NITRILE BLUE | 0.01           |
| FTROR0635BLUE | NITRILE BLUE | 63.50mm (2-1/2")  | RJT O-RING NITRILE BLUE | 0.01           |
| FTROR0762BLUE | NITRILE BLUE | 76.20mm (3")      | RJT O-RING NITRILE BLUE | 0.01           |
| FTROR1016BLUE | NITRILE BLUE | 101.6mm (4")      | RJT O-RING NITRILE BLUE | 0.02           |
| FTROR1524BLUE | NITRILE BLUE | 152.4mm (6")      | RJT O-RING NITRILE BLUE | 0.02           |



# Tri Fittings

## Tri Clamps

**Grades:** 304

**Unit of Supply:** Each



### FTTCL

| Product Code      | Grade | Product Size (mm)           | Description    | Weight ea (kg) |
|-------------------|-------|-----------------------------|----------------|----------------|
| FTTCL01270195G304 | G304  | 12.7 - 19.05 mm (1/2"-3/4") | TRI CLAMP G304 | 0.15           |
| FTTCL02540381G304 | G304  | 25.4 - 38.1mm (1" - 1-1/2") | TRI CLAMP G304 | 0.24           |
| FTTCL0508G304     | G304  | 50.80mm (2")                | TRI CLAMP G304 | 0.28           |
| FTTCL0635G304     | G304  | 63.50mm (2-1/2")            | TRI CLAMP G304 | 0.32           |
| FTTCL0762G304     | G304  | 76.20mm (3")                | TRI CLAMP G304 | 0.37           |
| FTTCL1016G304     | G304  | 101.6mm (4")                | TRI CLAMP G304 | 0.47           |
| FTTCL1524G304     | G304  | 152.4mm (6")                | TRI CLAMP G304 | 0.83           |
| FTTCL2032G304     | G304  | 203.2mm (8")                | TRI CLAMP G304 | 1.07           |

## Tri Gasket Seals

**Type:** EPDM

**Unit of Supply:** Each



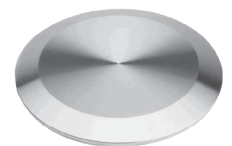
### FTTG

| Product Code | Type | Product Size (mm) | Description          | Weight ea (kg) |
|--------------|------|-------------------|----------------------|----------------|
| FTTG0127EPDM | EPDM | 12.7 mm (1/2")    | TRI GASKET SEAL EPDM | 0.09           |
| FTTG0195EPDM | EPDM | 19.05 mm (3/4")   | TRI GASKET SEAL EPDM | 0.07           |
| FTTG0254EPDM | EPDM | 25.40mm (1")      | TRI GASKET SEAL EPDM | 0.01           |
| FTTG0318EPDM | EPDM | 31.80mm (1-1/4")  | TRI GASKET SEAL EPDM | 0.01           |
| FTTG0381EPDM | EPDM | 38.10mm (1-1/2")  | TRI GASKET SEAL EPDM | 0.01           |
| FTTG0508EPDM | EPDM | 50.80mm (2")      | TRI GASKET SEAL EPDM | 0.01           |
| FTTG0635EPDM | EPDM | 63.50mm (2-1/2")  | TRI GASKET SEAL EPDM | 0.01           |
| FTTG0762EPDM | EPDM | 76.20mm (3")      | TRI GASKET SEAL EPDM | 0.01           |
| FTTG1016EPDM | EPDM | 101.6mm (4")      | TRI GASKET SEAL EPDM | 0.01           |
| FTTG1524EPDM | EPDM | 152.4mm (6")      | TRI GASKET SEAL EPDM | 0.01           |
| FTTG203EPDM  | EPDM | 203.2mm (8")      | TRI GASKET SEAL EPDM | 0.01           |

## Tri Blanks

**Grades:** 316

**Unit of Supply:** Each



### FTTBL

| Product Code      | Grade | Product Size (mm)           | Description    | Weight ea (kg) |
|-------------------|-------|-----------------------------|----------------|----------------|
| FTTBL01270195G316 | G316  | 12.7 - 19.05 mm (1/2"-3/4") | TRI BLANK G316 | 0.01           |
| FTTBL02540381G316 | G316  | 25.4 - 38.1mm (1" - 1-1/2") | TRI BLANK G316 | 0.24           |
| FTTBL0508G316     | G316  | 50.80mm (2")                | TRI BLANK G316 | 0.28           |
| FTTBL0635G316     | G316  | 63.50mm (2-1/2")            | TRI BLANK G316 | 0.32           |
| FTTBL0762G316     | G316  | 76.20mm (3")                | TRI BLANK G316 | 0.37           |
| FTTBL1016G316     | G316  | 101.6mm (4")                | TRI BLANK G316 | 0.47           |
| FTTBL1524G316     | G316  | 152.4mm (6")                | TRI BLANK G316 | 0.83           |
| FTTBL2032G316     | G316  | 203.2mm (8")                | TRI BLANK G316 | 1.07           |

# Tri Fittings

## Tri Ferrules Butt Weld

**Grades:** 316

**Unit of Supply:** Each

**Types:** Short, Medium & Long

**FTTF**



| Product Code  | Grade | Type   | Product Size (mm)        | Description                              | Weight ea (kg) |
|---------------|-------|--------|--------------------------|------------------------------------------|----------------|
| FTTF0195G316S | G316  | SHORT  | 19.05 x 12.7mm (3/4")    | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.02           |
| FTTF0254G316S | G316  | SHORT  | 25.40 x 12.7mm (1")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.07           |
| FTTF0318G316S | G316  | SHORT  | 31.80 x 12.7mm (1-1/4")  | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.05           |
| FTTF0381G316S | G316  | SHORT  | 38.10 x 12.7mm (1-1/2")  | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.04           |
| FTTF0508G316S | G316  | SHORT  | 50.80 x 12.7mm (2")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.07           |
| FTTF0635G316S | G316  | SHORT  | 63.50 x 12.7mm (2-1/2")  | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.08           |
| FTTF0762G316S | G316  | SHORT  | 76.20 x 12.7mm (3")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.10           |
| FTTF1016G316S | G316  | SHORT  | 101.6 x 15.9mm (4")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.20           |
| FTTF1524G316S | G316  | SHORT  | 152.4 x 22.2mm (6")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.45           |
| FTTF2032G316S | G316  | SHORT  | 203.2 x 15.8mm (8")      | TRI FERRULE SHORT G316 - 14WMP AS1528.4  | 0.60           |
| FTTF0254G316M | G316  | MEDIUM | 25.40 x 21.5mm (1")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.08           |
| FTTF0381G316M | G316  | MEDIUM | 38.10 x 21.5mm (1-1/2")  | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.06           |
| FTTF0508G316M | G316  | MEDIUM | 50.80 x 21.5mm (2")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.08           |
| FTTF0635G316M | G316  | MEDIUM | 63.50 x 21.5mm (2-1/2")  | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.10           |
| FTTF0762G316M | G316  | MEDIUM | 76.20 x 21.5mm (3")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.13           |
| FTTF1016G316M | G316  | MEDIUM | 101.6 x 21.5mm (4")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.21           |
| FTTF1524G316M | G316  | MEDIUM | 152.4 x 28.6mm (6")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.50           |
| FTTF2032G316M | G316  | MEDIUM | 203.2 x 28.6mm (8")      | TRI FERRULE MEDIUM G316 - 14MMP AS1528.4 | 0.80           |
| FTTF0127G316L | G316  | LONG   | 12.70 x 28.6mm (1/2")    | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.025          |
| FTTF0195G316L | G316  | LONG   | 19.05 x 28.6 mm (3/4")   | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.085          |
| FTTF0254G316L | G316  | LONG   | 25.40 x 28.6mm (1")      | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.08           |
| FTTF0318G316L | G316  | LONG   | 31.80 x 28.6 mm (1-1/4") | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.07           |
| FTTF0381G316L | G316  | LONG   | 38.10 x 28.6mm (1-1/2")  | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.07           |
| FTTF0508G316L | G316  | LONG   | 50.80 x 28.6mm (2")      | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.09           |
| FTTF0635G316L | G316  | LONG   | 63.50 x 28.6mm (2-1/2")  | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.12           |
| FTTF0762G316L | G316  | LONG   | 76.20 x 28.6mm (3")      | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.15           |
| FTTF1016G316L | G316  | LONG   | 101.6 x 28.6mm (4")      | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.25           |
| FTTF1524G316L | G316  | LONG   | 152.4 x 38.1mm (6")      | TRI FERRULE LONG G316 - 14AMP AS1528.4   | 0.75           |

## Tri Ferrules Recessless – Slip On

**Grades:** 304

**Unit of Supply:** Each

**FTTFR**



| Product Code  | Grade | Product Size (mm) | Description                 | Weight ea (kg) |
|---------------|-------|-------------------|-----------------------------|----------------|
| FTTFR0254G304 | G304  | 25.40mm (1")      | TRI RECESSLESS FERRULE G304 | 0.07           |
| FTTFR0318G304 | G304  | 31.80mm (1-1/4")  | TRI RECESSLESS FERRULE G304 | 0.07           |
| FTTFR0381G304 | G304  | 38.10mm (1-1/2")  | TRI RECESSLESS FERRULE G304 | 0.07           |
| FTTFR0508G304 | G304  | 50.80mm (2")      | TRI RECESSLESS FERRULE G304 | 0.11           |
| FTTFR0635G304 | G304  | 63.50mm (2-1/2")  | TRI RECESSLESS FERRULE G304 | 0.16           |
| FTTFR0762G304 | G304  | 76.20mm (3")      | TRI RECESSLESS FERRULE G304 | 0.21           |
| FTTFR1016G304 | G304  | 101.6mm (4")      | TRI RECESSLESS FERRULE G304 | 0.35           |

# Tri Fittings

## Tri Bends

**Grades:** 304, 316

**Types:** 1x Ferrule, 2x Ferrule

**Unit of Supply:** Each



### FTTBE

| Product Code    | Grade | Type       | Product Size (mm) | Description               | Weight ea (kg) |
|-----------------|-------|------------|-------------------|---------------------------|----------------|
| FTTBE0381G316F1 | G316  | 1x FERRULE | 38.10mm (1-1/2")  | TRI BEND x 1 FERRULE G316 | 0.36           |
| FTTBE0508G316F1 | G316  | 1x FERRULE | 50.80mm (2")      | TRI BEND x 1 FERRULE G316 | 0.44           |
| FTTBE0635G304F2 | G304  | 2x FERRULE | 63.50mm (2-1/2")  | TRI BEND x 2 FERRULE G304 | 0.66           |
| FTTBE0762G304F2 | G304  | 2x FERRULE | 76.20mm (3")      | TRI BEND x 2 FERRULE G304 | 0.86           |
| FTTBE0381G316F2 | G316  | 2x FERRULE | 38.10mm (1-1/2")  | TRI BEND x 2 FERRULE G316 | 0.40           |
| FTTBE0508G316F2 | G316  | 2x FERRULE | 50.80mm (2")      | TRI BEND x 2 FERRULE G316 | 0.48           |

## Tri Concentric Reducers

**Grades:** 316

**Unit of Supply:** Each



### FTTRCR

| Product Code       | Grade | Product Size (mm)             | Description                 | Weight ea (kg) |
|--------------------|-------|-------------------------------|-----------------------------|----------------|
| FTTRCR03810254G316 | G316  | 38.10 x 25.40mm (1-1/2" x 1") | TRI CONCENTRIC REDUCER G316 | 0.08           |
| FTTRCR05080381G316 | G316  | 50.80 x 38.10mm (2" x 1-1/2") | TRI CONCENTRIC REDUCER G316 | 0.11           |
| FTTRCR06350508G316 | G316  | 63.50 x 50.80mm (2-1/2" x 2") | TRI CONCENTRIC REDUCER G316 | 0.17           |
| FTTRCR07620508G316 | G316  | 76.20 x 50.80mm (3" x 2")     | TRI CONCENTRIC REDUCER G316 | 0.25           |
| FTTRCR07620635G316 | G316  | 76.20 x 63.50mm (3" x 2-1/2") | TRI CONCENTRIC REDUCER G316 | 0.38           |

## Tri Equal Tee

**Grades:** 304

**Unit of Supply:** Each



### FTTTE

| Product Code  | Grade | Product Size (mm) | Description        | Weight ea (kg) |
|---------------|-------|-------------------|--------------------|----------------|
| FTTTE0381G304 | G304  | 38.10mm (1-1/2")  | TRI EQUAL TEE G304 | 0.26           |
| FTTTE0508G304 | G304  | 50.80mm (2")      | TRI EQUAL TEE G304 | 0.45           |

# Tube Hangers, Clamps and Brackets

## 2-Piece Saddle Clamps

**Grades:** 304

**Unit of Supply:** Each



### FTWSC

| Product Code  | Grade | Product Size (mm) | Description               | Weight ea (kg) |
|---------------|-------|-------------------|---------------------------|----------------|
| FTWSC0318G304 | G304  | 31.80mm (1-1/4")  | TUBE SADDLE CLAMP PP G304 | 0.14           |
| FTWSC0381G304 | G304  | 38.10mm (1-1/2")  | TUBE SADDLE CLAMP PP G304 | 0.15           |
| FTWSC0508G304 | G304  | 50.80mm (2")      | TUBE SADDLE CLAMP PP G304 | 0.17           |
| FTWSC0635G304 | G304  | 63.50mm (2-1/2")  | TUBE SADDLE CLAMP PP G304 | 0.19           |
| FTWSC0762G304 | G304  | 76.20mm (3")      | TUBE SADDLE CLAMP PP G304 | 0.22           |
| FTWSC1016G304 | G304  | 101.6mm (4")      | TUBE SADDLE CLAMP PP G304 | 0.27           |
| FTWSC1270G304 | G304  | 127.0mm (5")      | TUBE SADDLE CLAMP PP G304 | 0.67           |
| FTWSC1524G304 | G304  | 152.4mm (6")      | TUBE SADDLE CLAMP PP G304 | 0.75           |
| FTWSC2032G304 | G304  | 203.2mm (8")      | TUBE SADDLE CLAMP PP G304 | 1.25           |

## M Bracket

**Grades:** 304

**Unit of Supply:** Each



### FTMB

| Product Code | Grade | Product Size (mm) | Description         | Weight ea (kg) |
|--------------|-------|-------------------|---------------------|----------------|
| FTMB0254G304 | G304  | 25.40mm (1")      | M BRACKET G304 TUBE | 0.08           |
| FTMB0318G304 | G304  | 31.80mm (1-1/4")  | M BRACKET G304 TUBE | 0.08           |
| FTMB0381G304 | G304  | 38.10mm (1-1/2")  | M BRACKET G304 TUBE | 0.09           |
| FTMB0508G304 | G304  | 50.80mm (2")      | M BRACKET G304 TUBE | 0.20           |
| FTMB0635G304 | G304  | 63.50mm (2-1/2")  | M BRACKET G304 TUBE | 0.22           |
| FTMB0762G304 | G304  | 76.20mm (3")      | M BRACKET G304 TUBE | 0.28           |
| FTMB1016G304 | G304  | 101.6mm (4")      | M BRACKET G304 TUBE | 0.31           |
| FTMB1524G304 | G304  | 152.4mm (6")      | M BRACKET G304 TUBE | 0.45           |

# Tube Hangers, Clamps and Brackets

## Hangers – Standard PP Type

**Grades:** 304

**Unit of Supply:** Each

**Types:** NZ Made, Imported



### FTHH

| Product Code   | Grade | Type     | Product Size (mm) | Description               | Weight ea (kg) |
|----------------|-------|----------|-------------------|---------------------------|----------------|
| FTHH0127G304P  | G304  | NZ MADE  | 12.70mm (1/2")    | TUBE HANGER PLAIN PP G304 | 0.03           |
| FTHH0190G304P  | G304  | NZ MADE  | 19.05mm (3/4")    | TUBE HANGER PLAIN PP G304 | 0.03           |
| FTHH0254G304P  | G304  | NZ MADE  | 25.40mm (1")      | TUBE HANGER PLAIN PP G304 | 0.09           |
| FTHH0318G304P  | G304  | NZ MADE  | 31.80mm (1-1/4")  | TUBE HANGER PLAIN PP G304 | 0.10           |
| FTHH0381G304P  | G304  | NZ MADE  | 38.10mm (1-1/2")  | TUBE HANGER PLAIN PP G304 | 0.12           |
| FTHH0508G304P  | G304  | NZ MADE  | 50.80mm (2")      | TUBE HANGER PLAIN PP G304 | 0.14           |
| FTHH0635G304P  | G304  | NZ MADE  | 63.50mm (2-1/2")  | TUBE HANGER PLAIN PP G304 | 0.16           |
| FTHH0762G304P  | G304  | NZ MADE  | 76.20mm (3")      | TUBE HANGER PLAIN PP G304 | 0.18           |
| FTHH1016G304P  | G304  | NZ MADE  | 101.6mm (4")      | TUBE HANGER PLAIN PP G304 | 0.23           |
| FTHBG304BM10   | G304  | NZ MADE  | M10               | BOSS FOR PP HANGER        | 0.02           |
| FTHH0127G304IM | G304  | IMPORTED | 12.70mm (1/2")    | TUBE HANGER PLAIN IM G304 | 0.09           |
| FTHH0190G304IM | G304  | IMPORTED | 19.05mm (3/4")    | TUBE HANGER PLAIN IM G304 | 0.09           |
| FTHH0254G304IM | G304  | IMPORTED | 25.40mm (1")      | TUBE HANGER PLAIN IM G304 | 0.09           |
| FTHH0318G304IM | G304  | IMPORTED | 31.80mm (1-1/4")  | TUBE HANGER PLAIN IM G304 | 0.10           |
| FTHH0381G304IM | G304  | IMPORTED | 38.10mm (1-1/2")  | TUBE HANGER PLAIN IM G304 | 0.12           |
| FTHH0508G304IM | G304  | IMPORTED | 50.80mm (2")      | TUBE HANGER PLAIN IM G304 | 0.14           |
| FTHH0635G304IM | G304  | IMPORTED | 63.50mm (2-1/2")  | TUBE HANGER PLAIN IM G304 | 0.16           |
| FTHH0762G304IM | G304  | IMPORTED | 76.20mm (3")      | TUBE HANGER PLAIN IM G304 | 0.18           |
| FTHH1016G304IM | G304  | IMPORTED | 101.6mm (4")      | TUBE HANGER PLAIN IM G304 | 0.23           |

# Tube Hangers, Clamps and Brackets

## Hangers – Bossed PP Type

**Grades:** 304

**Unit of Supply:** Each

**Boss Thread:** M10, 5/8"



### FTHH

| Product Code        | Grade | Boss Thread  | Product Size (mm) | Description                           | Weight ea (kg) |
|---------------------|-------|--------------|-------------------|---------------------------------------|----------------|
| FTHH0254G304BM10    | G304  | M10 NZ MADE  | 25.40mm (1")      | TUBE HANGER BOSSED M10 G304           | 0.12           |
| FTHH0318G304BM10    | G304  | M10 NZ MADE  | 31.80mm (1-1/4")  | TUBE HANGER BOSSED M10 G304           | 0.13           |
| FTHH0381G304BM10    | G304  | M10 NZ MADE  | 38.10mm (1-1/2")  | TUBE HANGER BOSSED M10 G304           | 0.14           |
| FTHH0508G304BM10    | G304  | M10 NZ MADE  | 50.80mm (2")      | TUBE HANGER BOSSED M10 G304           | 0.16           |
| FTHH0635G304BM10    | G304  | M10 NZ MADE  | 63.50mm (2-1/2")  | TUBE HANGER BOSSED M10 G304           | 0.18           |
| FTHH0762G304BM10    | G304  | M10 NZ MADE  | 76.20mm (3")      | TUBE HANGER BOSSED M10 G304           | 0.21           |
| FTHH1016G304BM10    | G304  | M10 NZ MADE  | 101.6mm (4")      | TUBE HANGER BOSSED M10 G304           | 0.25           |
| FTHH0254G304BM10IMP | G304  | M10 IMPORTED | 25.40mm (1")      | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.12           |
| FTHH0318G304BM10IMP | G304  | M10 IMPORTED | 31.80mm (1-1/4")  | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.13           |
| FTHH0381G304BM10IMP | G304  | M10 IMPORTED | 38.10mm (1-1/2")  | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.14           |
| FTHH0508G304BM10IMP | G304  | M10 IMPORTED | 50.80mm (2")      | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.16           |
| FTHH0635G304BM10IMP | G304  | M10 IMPORTED | 63.50mm (2-1/2")  | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.18           |
| FTHH0762G304BM10IMP | G304  | M10 IMPORTED | 76.20mm (3")      | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.21           |
| FTHH1016G304BM10IMP | G304  | M10 IMPORTED | 101.6mm (4")      | IMPORTED TUBE HANGER BOSSED M10 G304  | 0.26           |
| FTHH0254G304BM15    | G304  | M15 NZ MADE  | 25.40mm (1")      | TUBE HANGER BOSSED 5/8 G304           | 0.12           |
| FTHH0318G304BM15    | G304  | M15 NZ MADE  | 31.80mm (1-1/4")  | TUBE HANGER BOSSED 5/8 G304           | 0.13           |
| FTHH0381G304BM15    | G304  | M15 NZ MADE  | 38.10mm (1-1/2")  | TUBE HANGER BOSSED 5/8 G304           | 0.14           |
| FTHH0508G304BM15    | G304  | M15 NZ MADE  | 50.80mm (2")      | TUBE HANGER BOSSED 5/8 G304           | 0.16           |
| FTHH0635G304BM15    | G304  | M15 NZ MADE  | 63.50mm (2-1/2")  | TUBE HANGER BOSSED 5/8 G304           | 0.18           |
| FTHH0762G304BM15    | G304  | M15 NZ MADE  | 76.20mm (3")      | TUBE HANGER BOSSED 5/8 G304           | 0.20           |
| FTHH1016G304BM15    | G304  | M15 NZ MADE  | 101.6mm (4")      | TUBE HANGER BOSSED 5/8 G304           | 0.25           |
| FTHH1100G304BM15    | G304  | M15 NZ MADE  | 110.0mm           | TUBE HANGER BOSSED 5/8 G304           | 0.26           |
| FTHH0254G304BM15IMP | G304  | M15 IMPORTED | 25.40mm (1")      | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.12           |
| FTHH0318G304BM15IMP | G304  | M15 IMPORTED | 31.80mm (1-1/4")  | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.13           |
| FTHH0381G304BM15IMP | G304  | M15 IMPORTED | 38.10mm (1-1/2")  | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.14           |
| FTHH0508G304BM15IMP | G304  | M15 IMPORTED | 50.80mm (2")      | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.16           |
| FTHH0635G304BM15IMP | G304  | M15 IMPORTED | 63.50mm (2-1/2")  | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.18           |
| FTHH0762G304BM15IMP | G304  | M15 IMPORTED | 76.20mm (3")      | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.21           |
| FTHH1016G304BM15IMP | G304  | M15 IMPORTED | 101.6mm (4")      | IMPORTED TUBE HANGER BOSSED 5/8" G304 | 0.26           |

# Tube Hangers, Clamps and Brackets

## Hangers – Stubbed PP Type

**Grades:** 304

**Thread Size:** 5/8"

**Unit of Supply:** Each



### FTHH

| Product Code    | Grade | Product Size (mm) | Description                  | Weight ea (kg) |
|-----------------|-------|-------------------|------------------------------|----------------|
| FTHH0254G304S15 | G304  | 25.40mm (1")      | TUBE HANGER STUBBED 5/8 G304 | 0.12           |
| FTHH0318G304S15 | G304  | 31.80mm (1-1/4")  | TUBE HANGER STUBBED 5/8 G304 | 0.14           |
| FTHH0381G304S15 | G304  | 38.10mm (1-1/2")  | TUBE HANGER STUBBED 5/8 G304 | 0.14           |
| FTHH0508G304S15 | G304  | 50.80mm (2")      | TUBE HANGER STUBBED 5/8 G304 | 0.16           |
| FTHH0635G304S15 | G304  | 63.50mm (2-1/2")  | TUBE HANGER STUBBED 5/8 G304 | 0.18           |
| FTHH0762G304S15 | G304  | 76.20mm (3")      | TUBE HANGER STUBBED 5/8 G304 | 0.21           |
| FTHH1016G304S15 | G304  | 101.6mm (4")      | TUBE HANGER STUBBED 5/8 G304 | 2.55           |

## Hangers – Slide Mount PP Type

**Grades:** 304

**Unit of Supply:** Each



### FTHHSM

| Product Code   | Grade | Product Size (mm) | Description                  | Weight ea (kg) |
|----------------|-------|-------------------|------------------------------|----------------|
| FTHHSM0508G304 | G304  | 50.80mm (2")      | TUBE HANGER SLIDE MOUNT G304 | 0.16           |
| FTHHSM0635G304 | G304  | 63.50mm (2-1/2")  | TUBE HANGER SLIDE MOUNT G304 | 0.18           |
| FTHHSM0762G304 | G304  | 76.20mm (3")      | TUBE HANGER SLIDE MOUNT G304 | 0.21           |

## Wall Mount PP Type

**Grades:** 304

**Unit of Supply:** Each



M10



5/8"

### FTHBWMG

| Product Code   | Grade | Product Size (mm)             | Description            | Weight ea (kg) |
|----------------|-------|-------------------------------|------------------------|----------------|
| FTHBWMG304BM10 | G304  | M10 x 64mm OD                 | TUBE HANGER WALL MOUNT | 0.08           |
| FTHBWMG304BM15 | G304  | 15.88mm (5/8") 80 x 45 WLP5/8 | TUBE HANGER WALL MOUNT | 0.10           |

# Tube Flanges and Neck Rings

Acc. to AS 2129 2000 / ASTM A182 G316L, dual-marked and certified, hardness to NACE MR 0175, IC to A262/E, PMI tested.

## Flat Face Slip On Table Flanges

**Grades:** 304L, 316L

**Table:** D, E

**Facing:** Flat face, smooth finish

**Unit of Supply:** Each

**Certification:** Acc. to AS 2129



### FTFSO

| Product Code       | Grade | Table | Product Size (mm)   | Description                           | Weight ea (kg) |
|--------------------|-------|-------|---------------------|---------------------------------------|----------------|
| FTFS002540DG316LTE | G316L | E     | 25.40mm OD (1")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 0.85           |
| FTFS003180DG316LTE | G316L | E     | 31.80mm OD (1-1/4") | FFSO TUBE FLANGE G316L TABLE E AS2129 | 0.95           |
| FTFS003810DG316LTE | G316L | E     | 38.10mm OD (1-1/2") | FFSO TUBE FLANGE G316L TABLE E AS2129 | 1.20           |
| FTFS005080DG316LTE | G316L | E     | 50.80mm OD (2")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 1.35           |
| FTFS006350DG316LTE | G316L | E     | 63.50mm OD (2-1/2") | FFSO TUBE FLANGE G316L TABLE E AS2129 | 1.60           |
| FTFS007620DG316LTE | G316L | E     | 76.20mm OD (3")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 2.00           |
| FTFS010160DG316LTE | G316L | E     | 101.6mm OD (4")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 2.65           |
| FTFS01270DG316LTE  | G316L | E     | 127.0mm OD (5")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 3.95           |
| FTFS015240DG316LTE | G316L | E     | 152.4mm OD (6")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 5.00           |
| FTFS020320DG316LTE | G316L | E     | 203.2mm OD (8")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 7.10           |
| FTFS02032IDG316LTE | G316L | E     | 203.2mm ID (8")     | FFSO TUBE FLANGE G316L TABLE E AS2129 | 7.10           |
| FTFS02540IDG316LTE | G316L | E     | 254.0mm ID (10")    | FFSO TUBE FLANGE G316L TABLE E AS2129 | 11.40          |
| FTFS03048IDG316LTE | G316L | E     | 304.8mm ID (12")    | FFSO TUBE FLANGE G316L TABLE E AS2129 | 15.10          |
| FTFS002540DG304LTE | G304L | E     | 25.40mm OD (1")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 0.85           |
| FTFS003810DG304LTE | G304L | E     | 38.10mm OD (1-1/2") | FFSO TUBE FLANGE G304L TABLE E AS2129 | 1.20           |
| FTFS005080DG304LTE | G304L | E     | 50.80mm OD (2")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 1.35           |
| FTFS007620DG304LTE | G304L | E     | 76.20mm OD (3")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 2.00           |
| FTFS010160DG304LTE | G304L | E     | 101.6mm OD (4")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 2.65           |
| FTFS015240DG304LTE | G304L | E     | 152.4mm OD (6")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 4.00           |
| FTFS020320DG304LTE | G304L | E     | 203.2mm OD (8")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 7.10           |
| FTFS02032IDG304LTE | G304L | E     | 203.2mm ID (8")     | FFSO TUBE FLANGE G304L TABLE E AS2129 | 7.10           |
| FTFS010160DG316LTD | G316L | D     | 101.6mm OD (4")     | FFSO TUBE FLANGE G316L TABLE D AS2129 | 2.65           |
| FTFS015240DG316LTD | G316L | D     | 152.4mm OD (6")     | FFSO TUBE FLANGE G316L TABLE D AS2129 | 4.00           |
| FTFS020320DG316LTD | G316L | D     | 203.2mm OD (8")     | FFSO TUBE FLANGE G316L TABLE D AS2129 | 5.00           |
| FTFS02540IDG316LTD | G316L | D     | 254.0mm ID (10")    | FFSO TUBE FLANGE G316L TABLE D AS2129 | 8.70           |
| FTFS03048IDG316LTD | G316L | D     | 304.8mm ID (12")    | FFSO TUBE FLANGE G316L TABLE D AS2129 | 11.30          |

## Flat Face Slip On ANSI Flanges (LITE)

**Grades:** 316L

**Rating:** 150LB reduced thickness

**Facing:** Flat face, smooth finish

**Unit of Supply:** Each

**Certification:** Acc. to ASME B16.5



### FTFSO

| Product Code           | Grade | Product Size (mm) | Description                                      | Weight ea (kg) |
|------------------------|-------|-------------------|--------------------------------------------------|----------------|
| FTFS002540DG316L150    | G316L | 25.40mm (1")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 0.78           |
| FTFS003810DG316L150    | G316L | 38.10mm (1-1/2")  | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 0.98           |
| FTFS005080DG316L150+FF | G316L | 50.80mm (2")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 1.38           |
| FTFS006350DG316L150+FF | G316L | 63.50mm (2-1/2")  | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 2.01           |
| FTFS007620DG316L150    | G316L | 76.20mm (3")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 2.15           |
| FTFS010160DG316L150    | G316L | 101.6mm (4")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM | 2.96           |
| FTFS015240DG316L150    | G316L | 152.4mm (6")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 16MM | 5.09           |
| FTFS020320DG316L150    | G316L | 203.2mm (8")      | FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 16MM | 7.32           |



# Tube Flanges and Neck Rings

Acc. to AS 2129 2000.

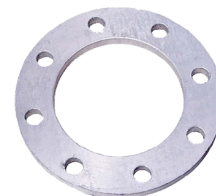
## Galvanised Back-up Flanges – Standard

**Grades:** Galvanised Steel

**Unit of Supply:** Each

**Table:** E

### FTFBU



| Product Code      | Product Size (mm)   | Description                             | Weight ea (kg) |
|-------------------|---------------------|-----------------------------------------|----------------|
| FTFBU02540DGALVTE | 25.40mm OD (1")     | BACK UP TUBE FLANGE GALV TABLE E - 8MM  | 0.52           |
| FTFBU03180DGALVTE | 31.80mm OD (1-1/4") | BACK UP TUBE FLANGE GALV TABLE E - 8MM  | 0.61           |
| FTFBU03810DGALVTE | 38.10mm OD (1-1/2") | BACK UP TUBE FLANGE GALV TABLE E - 10MM | 0.86           |
| FTFBU05080DGALVTE | 50.80mm OD (2")     | BACK UP TUBE FLANGE GALV TABLE E - 10MM | 1.22           |
| FTFBU06350DGALVTE | 63.50mm OD (2-1/2") | BACK UP TUBE FLANGE GALV TABLE E - 10MM | 1.57           |
| FTFBU07620DGALVTE | 76.20mm OD (3")     | BACK UP TUBE FLANGE GALV TABLE E - 12MM | 2.11           |
| FTFBU10160DGALVTE | 101.6mm OD (4")     | BACK UP TUBE FLANGE GALV TABLE E - 12MM | 2.92           |
| FTFBU12700DGALVTE | 127.0mm OD (5")     | BACK UP TUBE FLANGE GALV TABLE E - 16MM | 4.46           |
| FTFBU15240DGALVTE | 152.4mm OD (6")     | BACK UP TUBE FLANGE GALV TABLE E - 16MM | 4.98           |
| FTFBU20320DGALVTE | 203.2mm ID (8")     | BACK UP TUBE FLANGE GALV TABLE E - 20MM | 8.69           |
| FTFBU25400DGALVTE | 254.0mm ID (10")    | BACK UP TUBE FLANGE GALV TABLE E - 20MM | 11.58          |
| FTFBU30480DGALVTE | 304.8mm ID (12")    | BACK UP TUBE FLANGE GALV TABLE E - 25MM | 20.31          |
| FTFBU35560DGALVTE | 355.6 mm ID (14")   | BACK UP TUBE FLANGE GALV TABLE E - 32MM | 27.8           |
| FTFBU40600DGALVTE | 406.4 mm ID (16")   | BACK UP TUBE FLANGE GALV TABLE E - 32MM | 31.41          |
| FTFBU45720DGALVTE | 457.2 mm ID (18")   | BACK UP TUBE FLANGE GALV TABLE E - 32MM | 37.39          |
| FTFBU50800DGALVTE | 508.0 mm ID (20")   | BACK UP TUBE FLANGE GALV TABLE E - 40MM | 54.82          |

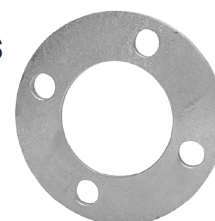
## Galvanised Back-up Flanges – Reduced Thickness

**Grades:** Galvanised Steel

**Unit of Supply:** Each

**Table:** A150

### FTFBU



| Product Code       | Product Size (mm)   | Description                               | Weight ea (kg) |
|--------------------|---------------------|-------------------------------------------|----------------|
| FTFBU01270DGALA150 | 12.7 mm OD (1/2")   | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 0.368          |
| FTFBU01950DGALA150 | 19.5 mm OD (3/4")   | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 0.44           |
| FTFBU02540DGALA150 | 25.4 mm OD (1")     | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 0.52           |
| FTFBU03180DGALA150 | 31.8 mm OD (1 1/4") | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 0.6            |
| FTFBU03810DGALA150 | 38.1 mm OD (1 1/2") | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 0.86           |
| FTFBU05080DGALA150 | 50.8 mm OD (2")     | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 1.21           |
| FTFBU06350DGALA150 | 63.5 mm OD (2 1/2") | BACK UP TUBE FLANGE GALV 150LB LITE 10 MM | 1.63           |
| FTFBU07610DGALA150 | 76.2 mm OD (3")     | BACK UP TUBE FLANGE GALV 150LB LITE 12 MM | 2.45           |
| FTFBU10160DGALA150 | 101.6 mm OD (4")    | BACK UP TUBE FLANGE GALV 150LB LITE 12 MM | 2.92           |
| FTFBU12700DGALA150 | 127.0 mm OD (5")    | BACK UP TUBE FLANGE GALV 150LB LITE 16 MM | 4.45           |
| FTFBU15240DGALA150 | 152.4 mm OD (6")    | BACK UP TUBE FLANGE GALV 150LB LITE 16 MM | 4.96           |
| FTFBU20300DGALA150 | 203.2 mm OD (8")    | BACK UP TUBE FLANGE GALV 150LB LITE 20 MM | 8.69           |
| FTFBU25400DGALA150 | 254.0 mm OD (10")   | BACK UP TUBE FLANGE GALV 150LB LITE 20 MM | 11.57          |
| FTFBU30480DGALA150 | 304.8 mm OD (12")   | BACK UP TUBE FLANGE GALV 150LB LITE 25 MM | 20.31          |
| FTFBU35560DGALA150 | 355.6 mm OD (14")   | BACK UP TUBE FLANGE GALV 150LB LITE 32 MM | 22.75          |
| FTFBU40600DGALA150 | 406.0 mm OD (16")   | BACK UP TUBE FLANGE GALV 150LB LITE 32 MM | 35.82          |
| FTFBU45720DGALA150 | 457.2 mm OD (18")   | BACK UP TUBE FLANGE GALV 150LB LITE 32 MM | 44.72          |
| FTFBU50800DGALA150 | 508.0 mm OD (20")   | BACK UP TUBE FLANGE GALV 150LB LITE 40 MM | 52.61          |

# Tube Flanges and Neck Rings

## Neck Rings

Grades: 316

Unit of Supply: Each



FTWNR

| Product Code      | Grade | Product Size (mm)           | Description         | Weight ea (kg) |
|-------------------|-------|-----------------------------|---------------------|----------------|
| FTWNR0190OD16G316 | G316  | 19.05mm OD x 1.6mm (3/4")   | NECK RING TUBE G316 | 0.029          |
| FTWNR0254OD16G316 | G316  | 25.40mm OD x 1.6mm (1")     | NECK RING TUBE G316 | 0.040          |
| FTWNR0318OD16G316 | G316  | 31.80mm OD x 1.6mm (1-1/4") | NECK RING TUBE G316 | 0.051          |
| FTWNR0381OD16G316 | G316  | 38.10mm OD x 1.6mm (1-1/2") | NECK RING TUBE G316 | 0.062          |
| FTWNR0508OD16G316 | G316  | 50.80mm OD x 1.6mm (2")     | NECK RING TUBE G316 | 0.078          |
| FTWNR0635OD16G316 | G316  | 63.50mm OD x 1.6mm (2-1/2") | NECK RING TUBE G316 | 0.093          |
| FTWNR0762OD16G316 | G316  | 76.20mm OD x 1.6mm (3")     | NECK RING TUBE G316 | 0.124          |
| FTWNR1016OD16G316 | G316  | 101.6mm OD x 1.6mm (4")     | NECK RING TUBE G316 | 0.198          |
| FTWNR1270OD20G316 | G316  | 127.0mm OD x 2.0mm (5")     | NECK RING TUBE G316 | 0.243          |
| FTWNR1524OD20G316 | G316  | 152.4mm OD x 2.0mm (6")     | NECK RING TUBE G316 | 0.296          |
| FTWNR1524ID20G316 | G316  | 152.4mm ID x 2.0mm (6")     | NECK RING TUBE G316 | 0.296          |
| FTWNR2032ID30G316 | G316  | 203.2mm ID x 3.0mm (8")     | NECK RING TUBE G316 | 0.805          |
| FTWNR2540ID30G316 | G316  | 254.0mm ID x 3.0mm (10")    | NECK RING TUBE G316 | 1.098          |
| FTWNR3048ID30G316 | G316  | 304.8mm ID x 3.0mm (12")    | NECK RING TUBE G316 | 1.311          |

## Wall Expansion Flanges

Fastener Hole: 4mm

A purpose designed seal, used when process piping penetrates the wall, floor or ceiling in food and beverage plants, or any applications where a waterproof hygienic seal is required.

## Wall Expansion Flanges

**Grades:** 304

**Unit of Supply:** Each (with O-ring)



### FTFWE

| Product Code  | Grade | Product Size (mm) | Description                            | Weight ea (kg) |
|---------------|-------|-------------------|----------------------------------------|----------------|
| FTFWE0190G304 | G304  | 19.05mm (3/4")    | WALL EXPANSION FLANGE WITH O-RING G304 | 0.02           |
| FTFWE0254G304 | G304  | 25.40mm (1")      | WALL EXPANSION FLANGE WITH O-RING G304 | 0.02           |
| FTFWE0318G304 | G304  | 31.80mm (1-1/4")  | WALL EXPANSION FLANGE WITH O-RING G304 | 0.02           |
| FTFWE0381G304 | G304  | 38.10mm (1-1/2")  | WALL EXPANSION FLANGE WITH O-RING G304 | 0.03           |
| FTFWE0508G304 | G304  | 50.80mm (2")      | WALL EXPANSION FLANGE WITH O-RING G304 | 0.03           |
| FTFWE0635G304 | G304  | 63.50mm (2-1/2")  | WALL EXPANSION FLANGE WITH O-RING G304 | 0.04           |
| FTFWE0762G304 | G304  | 76.20mm (3")      | WALL EXPANSION FLANGE WITH O-RING G304 | 0.04           |
| FTFWE1016G304 | G304  | 101.6mm (4")      | WALL EXPANSION FLANGE WITH O-RING G304 | 0.04           |

## Silicone Wall Entry Sealing Flanges

Food grade silicone sealing flanges in a range of sizes to provide an effective hygienic seal around pipes, conduit, hoses and cables where they pass through walls, ceilings and floors.

## Silicone Wall Entry Sealing Flanges

**Grade:** Silicone

**Unit of Supply:** Each



### FTWWE

| Product Code    | Product Size (mm) | Description                | Weight ea (kg) |
|-----------------|-------------------|----------------------------|----------------|
| FTWWE025SILICON | 0mm - 25.0mm      | SILICONE WALL ENTRY FLANGE | 1.00           |
| FTWWE065SILICON | 0mm - 65.0mm      | SILICONE WALL ENTRY FLANGE | 1.00           |
| FTWWE070SILICON | 70mm - 135mm      | SILICONE WALL ENTRY FLANGE | 1.00           |
| FTWWE095SILICON | 0mm - 95mm        | SILICONE WALL ENTRY FLANGE | 1.00           |
| FTWWE100SILICON | 100mm - 180mm     | SILICONE WALL ENTRY FLANGE | 1.00           |

# Domed End Caps

Used in Dairy and Handrail applications.

## Standard Domed End Caps

**Grades:** 304, 316

**Finish:** Polished

**Unit of Supply:** Each



### FTWEC

| Product Code  | Grade | Product Size (mm) | Description                    | Weight ea (kg) |
|---------------|-------|-------------------|--------------------------------|----------------|
| FTWEC0254G304 | G304  | 25.40mm (1")      | WELD ON TUBE DOME END CAP G304 | 0.01           |
| FTWEC0318G304 | G304  | 31.80mm (1-1/4")  | WELD ON TUBE DOME END CAP G304 | 0.01           |
| FTWEC0381G304 | G304  | 38.10mm (1-1/2")  | WELD ON TUBE DOME END CAP G304 | 0.01           |
| FTWEC0445G304 | G304  | 44.45mm (1-3/4")  | WELD ON TUBE DOME END CAP G304 | 0.01           |
| FTWEC0508G304 | G304  | 50.80mm (2")      | WELD ON TUBE DOME END CAP G304 | 0.03           |
| FTWEC0635G304 | G304  | 63.50mm (2-1/2")  | WELD ON TUBE DOME END CAP G304 | 0.04           |
| FTWEC0762G304 | G304  | 76.20mm (3")      | WELD ON TUBE DOME END CAP G304 | 0.07           |
| FTWEC1016G304 | G304  | 101.6mm (4")      | WELD ON TUBE DOME END CAP G304 | 0.08           |
| FTWEC1524G304 | G304  | 152.4mm (6")      | WELD ON TUBE DOME END CAP G304 | 0.08           |
| FTWEC0254G316 | G316  | 25.40mm (1")      | WELD ON TUBE DOME END CAP G316 | 0.01           |
| FTWEC0318G316 | G316  | 31.80mm (1-1/4")  | WELD ON TUBE DOME END CAP G316 | 0.01           |
| FTWEC0381G316 | G316  | 38.10mm (1-1/2")  | WELD ON TUBE DOME END CAP G316 | 0.01           |
| FTWEC0445G316 | G316  | 44.45mm (1-3/4")  | WELD ON TUBE DOME END CAP G316 | 0.01           |
| FTWEC0508G316 | G316  | 50.80mm (2")      | WELD ON TUBE DOME END CAP G316 | 0.03           |
| FTWEC0635G316 | G316  | 63.50mm (2-1/2")  | WELD ON TUBE DOME END CAP G316 | 0.04           |
| FTWEC0762G316 | G316  | 76.20mm (3")      | WELD ON TUBE DOME END CAP G316 | 0.07           |
| FTWEC1016G316 | G316  | 101.6mm (4")      | WELD ON TUBE DOME END CAP G316 | 0.08           |
| FTWEC1270G316 | G316  | 127.0mm (5")      | WELD ON TUBE DOME END CAP G316 | 0.08           |
| FTWEC1524G316 | G316  | 152.4mm (6")      | WELD ON TUBE DOME END CAP G316 | 0.10           |

## Weld-on Dairy Domed End Caps

**Grades:** 316

**Finish:** Polished

**Unit of Supply:** Each



### FTWEC

| Product Code     | Grade | Product Size (mm) | Description                             | Weight ea (kg) |
|------------------|-------|-------------------|-----------------------------------------|----------------|
| FTWEC0254G316+D  | G316  | 25.4 mm (1")      | WELD ON DAIRY DOMED END CAP G316 1.5 MM | 0.25           |
| FTWEC0381G316+D  | G316  | 38.1 mm (1-1/2")  | WELD ON DAIRY DOMED END CAP G316 1.5 MM | 0.30           |
| FTWEC0508G316+D  | G316  | 50.8 mm (2")      | WELD ON DAIRY DOMED END CAP G316 2.0 MM | 0.50           |
| FTWEC0635G316+D  | G316  | 63.5 mm (2 -1/2") | WELD ON DAIRY DOMED END CAP G316 2.0 MM | 0.60           |
| FTWEC0762G316+D  | G316  | 76.2 mm (3")      | WELD ON DAIRY DOMED END CAP G316 2.0 MM | 0.70           |
| FTWEC01016G316+D | G316  | 101.6 mm (4")     | WELD ON DAIRY DOMED END CAP G316 2.0 MM | 0.80           |
| FTWEC1524G316+D  | G316  | 152.4 mm (6")     | WELD ON DAIRY DOMED END CAP G316 2.5 MM | 1.00           |

# Handrail Fittings

## Handrail Brackets

Grades: 304, 316

Unit of Supply: Each



### FTAHRB

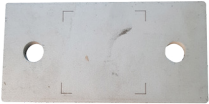
| Product Code | Grade | Product Size (mm) | Description                 | Weight ea (kg) |
|--------------|-------|-------------------|-----------------------------|----------------|
| FTAHB90DG316 | G316  | 70.0mm x 3.0mm    | 90DEG HANDRAIL BRACKET G316 | 0.15           |

## Tube Foot Plates

Grades: 304L

Finish: Mill Finish

Unit of Supply: Each



### FTWFP

| Product Code  | Grade | Product Size (mm) | Description                | Weight ea (kg) |
|---------------|-------|-------------------|----------------------------|----------------|
| FTWFP050G304L | G304L | 8 x 65 x 150 mm   | 50MM TUBE FOOT PLATE G304L | 0.60           |
| FTWFP075G304L | G304L | 10 x 100 x 195 mm | 75MM TUBE FOOT PLATE G304L | 1.55           |
| FTWFP080G304L | G304L | 10 x 100 x 200 mm | 80MM TUBE FOOT PLATE G304L | 1.60           |