

DAWSONS-TECH[®]

OVER 35 YEARS OF EXPERIENCE

HIGH PURITY METAL GASKET FACE SEAL FITTINGS



***Most Cost Effective, World Class Quality
Flow Control Components for Wide Range
of Industries and Applications***

THE COMPANY

DAWSONS-TECH is an ISO 9001:2015 certified manufacturing company offers wide range of **Consistent and Reliable World Class Quality Flow Control Components** used in Fluid / Gas Control systems in a wide range of Industries.

MANUFACTURING :

DAWSONS-TECH established its comprehensive state of art manufacturing and testing facility installing various CNC Turning Centre and CNC Turnmill Centre, Vertical Machining Centre, etc. with the highly motivated and dedicated team of employees in place. This facilitate us to design and manufacture our product range under stringent quality checks and measurements that ensures **"A TOTAL CUSTOMER SATISFACTIONS WITH ZERO DEFECT PRODUCTS"**.

QUALITY :

DAWSONS-TECH persues not only performance of its products but also ensures **"TOTAL QUALITY CONTROL MANAGEMENT SYSTEMS IN ACCORDANCE TO ISO 9001:2015"** which is achieved by alerting and educating each and every employee, the importance of quality and by implementing the quality control procedures at every stage of production to final inspection from incoming raw material to finish products.

|  |  |  |
|--|--|---|
| OUR CAPABILITIES | CERTIFICATIONS | DEMAND IN INDUSTRIES |
| <ul style="list-style-type: none"> • Over 35 Years of Experience • Excellent Technical Knowledge • Latest Design Equipment's & Software • Modern Manufacturing Facilities • Highly Motivated Team of Employees • Excellent Inspection Facilities • Product Performance Testing Facilities | <ul style="list-style-type: none"> • ISO 9001-2015 • PED 2014/68/EU • ASTM F1387-19 • MSS SP-99-2016a • Helium Leak Test • Hydro Static Proof Test • Pneumatic Proof Test | <ul style="list-style-type: none"> • Original Equipment Manufacturers • Chemical & Petrochemical • Oil & Gas • Power • Compressed Natural Gas (CNG) • Pharmaceutical • Semiconductor |
|  | B E N E F I T S <ul style="list-style-type: none"> • High Quality • Proven Design for Leak Free Connections • Effective Operations | <ul style="list-style-type: none"> • High Efficiency • Technical Expertise • Prompt Reply • Maximum Flexibility • Maximum Safety in Operation • Substantial Cost Saving |

RESEARCH & DEVELOPMENT :

With our long experience, expertise and continues Research & Development with incorporation of advanced technology and high-tech cutting-edge machineries, **DAWSONS-TECH** is committed to constant upgradation and expand its product range to meet the requirements of its customer to their entire satisfaction at every time.

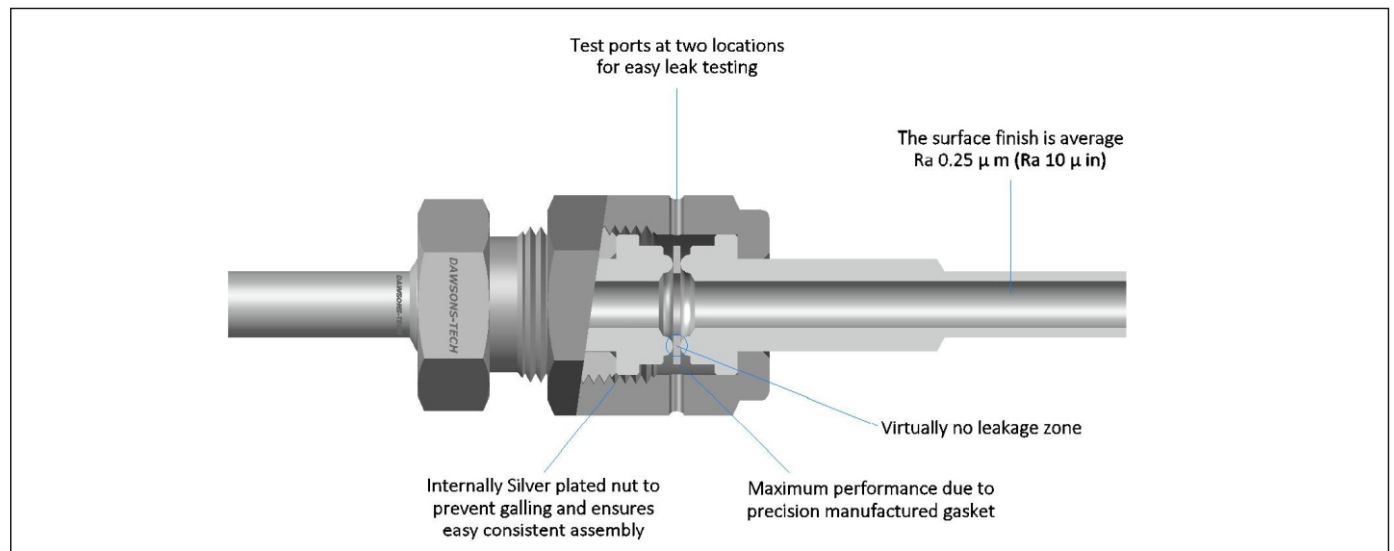
CUSTOMER SATISFACTION :

We strive to achieve total customer satisfaction and continuously work to set higher goals to provide the reliable quality, timely delivery of our products and prompt services in the best interest of our customers with very competitive price.

DAWSONS-TECH carefully design and manufacture Metal Gasket Face Seal Fittings and Clean Weld Fittings for High Purity and Ultra High Purity applications. We work towards achieving our common objectives by sharing knowledge, experience and expertise within ourselves as well as co-ordinated teamwork to develop our product line that reflects the company's deep understanding and the critical requirements of the Semiconductor, Biotech and Pharmaceutical Industries.

Features / Benefits :

FEMALE NUT: Internally Silver Plated to extend the Fittings life by preventing galling across a wide range of temperature and also reduce the torque during assembly.



Surface Finish :

| Products | LEVEL 'E' | | | LEVEL 'NE' | | |
|------------------------------|-----------------|----------------|---------|---------------------|----------------|---------|
| | Treatment | Ra (Microinch) | | Treatment | Ra (Microinch) | |
| | | Max | Average | | Max | Average |
| Glands | Electropolished | 10 | 5 | Non-Electropolished | 15 | 10 |
| Mini Buttweld | Electropolished | 10 | 5 | Non-Electropolished | 15 | 10 |
| Shaped Unions | Electropolished | 10 | 15 | Non-Electropolished | 20 | 15 |
| Long Weld Shaped Connectors | Electropolished | 10 | 5 | Non-Electropolished | 15 | 10 |
| Threaded Straight Connectors | Electropolished | 10 | 5 | Non-Electropolished | 20 | 10 |

Level 'E' – Electropolished / Level 'NE' – Non-Electropolished

Material :

Each and every components of Metal Gasket Face Seal Fittings and Clean Weld Fittings are manufactured from Heat Code traceable Material Grade SS316L confirming to ASTM A479 / A182.

Testing :

DAWSONS-TECH Face Seal Fittings are Helium Leak Tested and qualified to leak rate of 10^{-9} torr.

Temperature Rating :

| Products | Material | PSIG | °C |
|--------------|----------|------|-----|
| GFS FITTINGS | 316L | 1000 | 538 |
| GFS GASKETS | 316SS | 1000 | 538 |
| GFS GASKETS | NICKEL | 1000 | 538 |
| GFS BUTTWELD | 316L | 1000 | 538 |

Pressure Rating :

Pressure Ratings are calculated in accordance with ANSI code of pressure piping ANSI B-31, for Stainless Steel Fittings. All working pressures are at 4:1 safety factor.

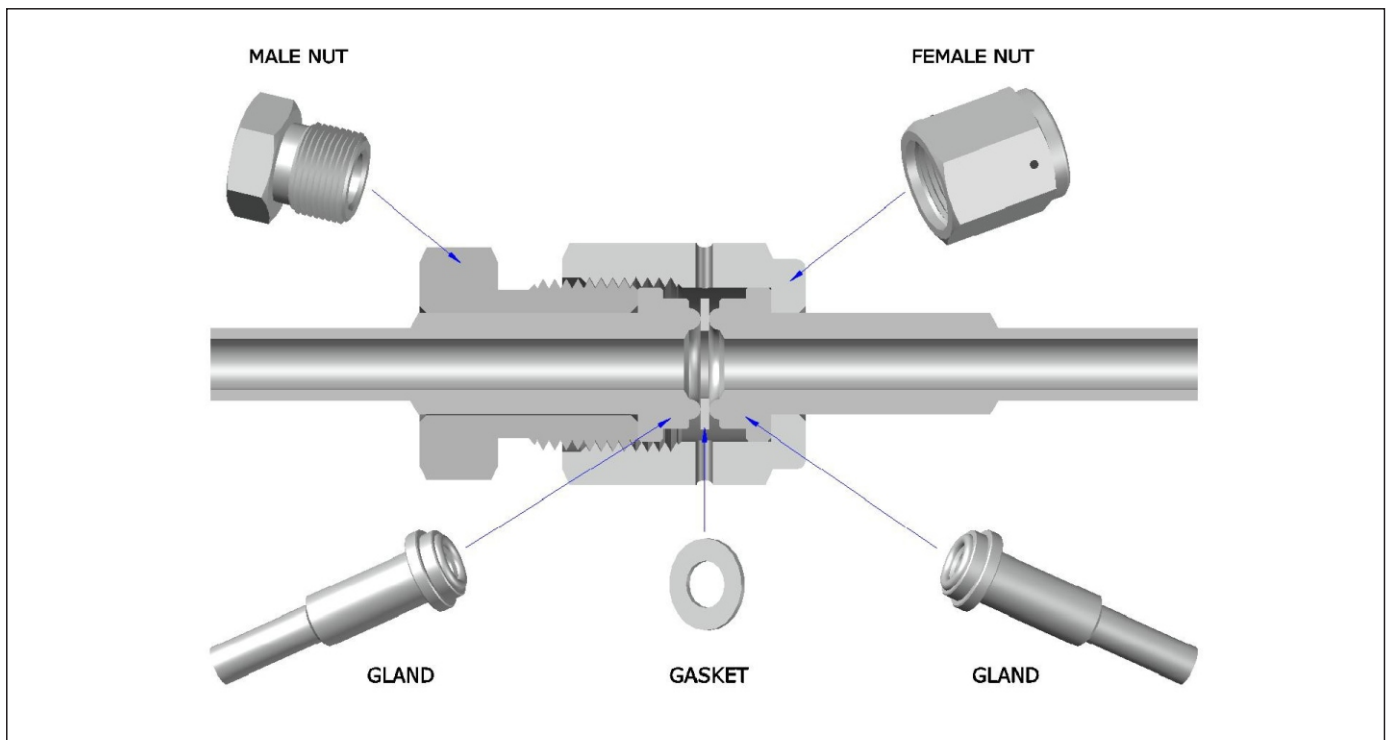
Cleaning :

Precision cleaning is done by Ultra Sonic cleaning process with D.I. water after the passivation.

Packing :

Each finished component is double bagged in a clean room to ensure cleanliness and protect it from environmental contamination.

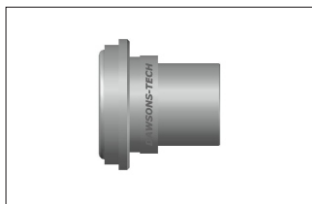
Assembly Instructions For Face Seal Fittings :



1. Be sure to protect all DAWSONS-TECH Face Seal Fittings until assembly and make-up. Extreme care should be taken so that the sealing surfaces are not scratched, damaged or contaminated in any way during handling and assembly.
2. Always use a clean environment and employ proper clean room environment for the make-up and assembly of Face Seal Fittings.
3. Finger tighten Female Nut to the Male Nut / Body assuring that all Components have made proper contact are in position for final tightening with wrenches.
4. Tighten the Female Nut $1/8 - 1/4$ turn past finger tight.
5. Face Seal Connections are remarkable. Always use a new gasket for each remake.

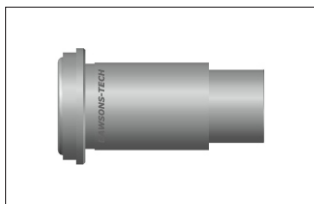
INDEX

Glands :



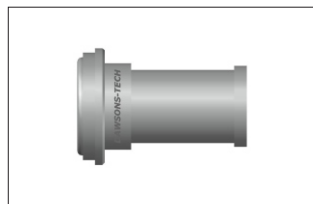
Short Tube Butt Weld

Page No. 8



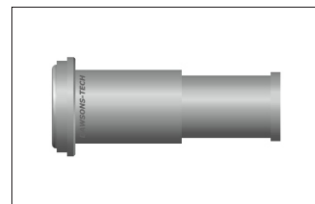
Long Tube Butt Weld

Page No. 9



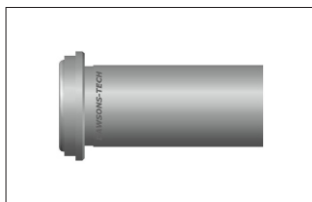
Short Automatic Tube Butt Weld

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Long Automatic Tube Butt Weld

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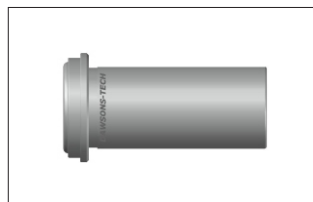
Socket Weld

Page No. 10



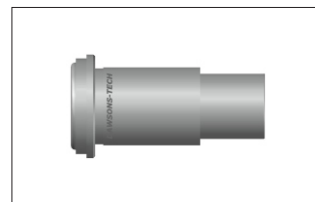
Short Socket Weld

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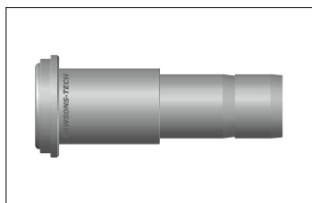
Reducing Socket Weld

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Male Weld

Page No.11



Tube Adapter

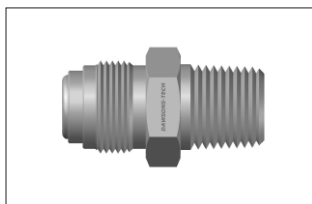
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Blind

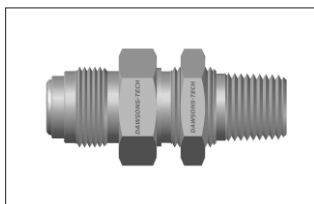
Page No. 12

Bodies :



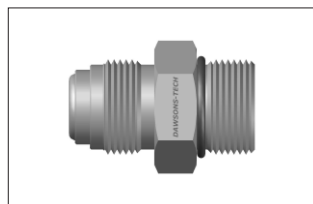
Male NPT Connector

Page No. 12



Male NPT Bulkhead Connector

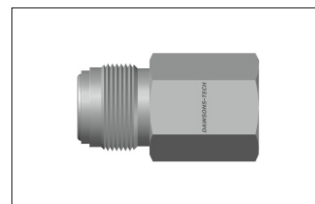
Page No. 13



Straight Thread O-Ring Seal

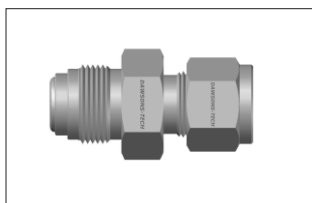
Male Connector

Page No. 13



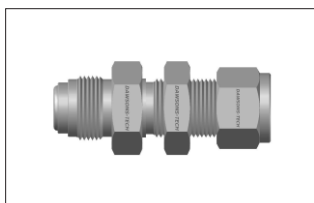
Female NPT Connector

Page No.13



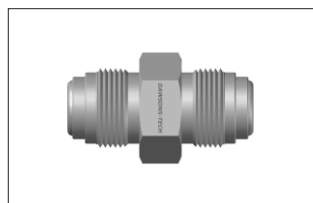
Compression Tube Fitting
Connector

Page No. 14



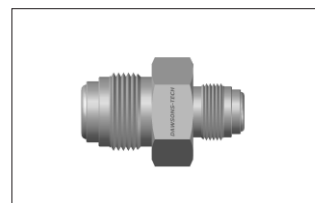
Compression Tube Fitting
Bulkhead Connector

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Union

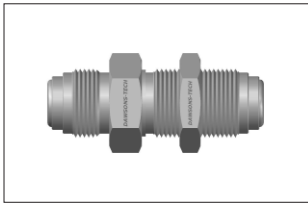
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Reducing Union

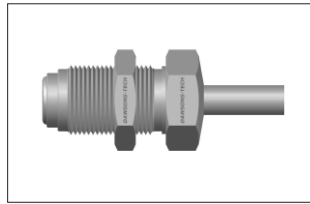
Page No. 15

Bodies :



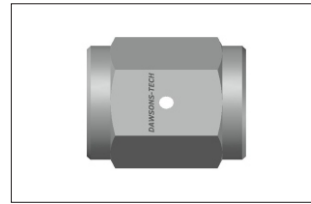
Bulkhead Union

Page No. 15



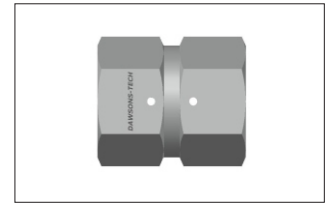
Tube Butt Weld Bulkhead
Connector

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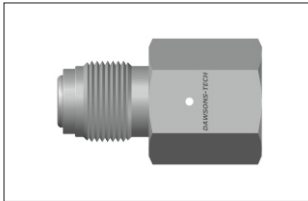
Coupling

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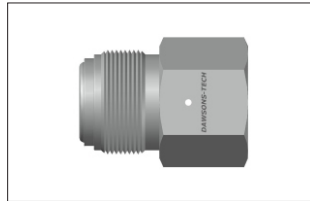
Female Reducing Union

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Reducing Adapter

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Reducing Bushing

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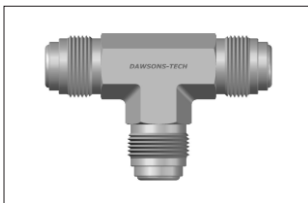
Male NPT Elbow

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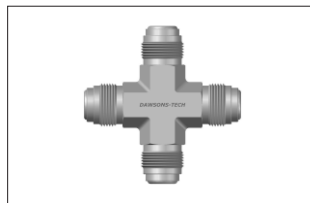
Union Elbow

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Union Tee

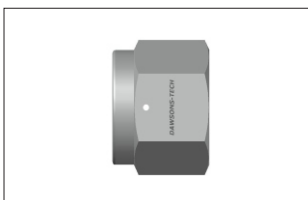
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Union Cross

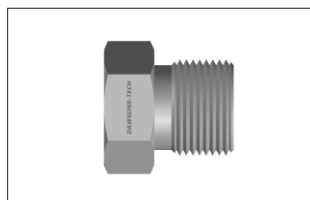
Page No. 18

Nuts, Caps & Plug :



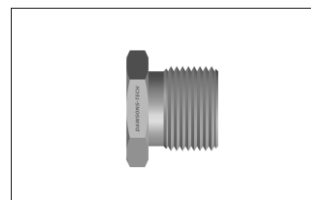
Female Nut

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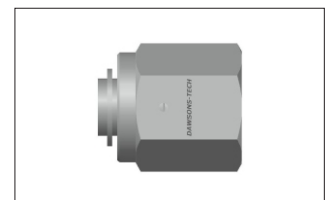
Male Nut

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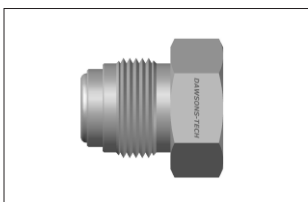
Short Male Nut

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Cap

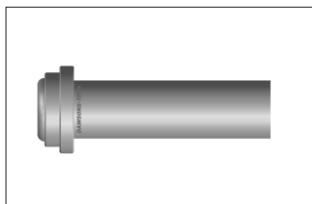
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Plug

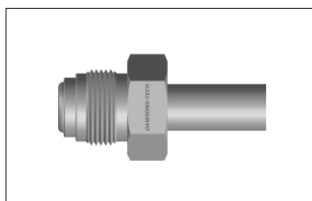
Page No. 20

Max Flow - Gland :

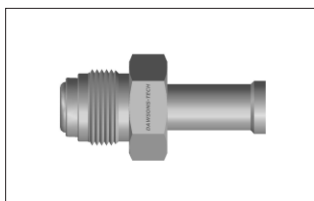


Tube Butt Weld
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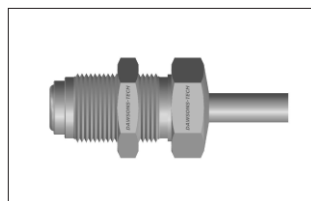
Max Flow - Bodies :



Tube Butt Weld
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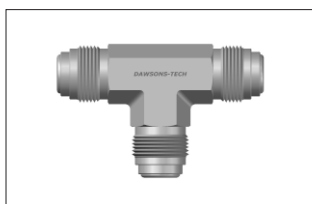
Automatic Tube Weld
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Bulkhead Connector
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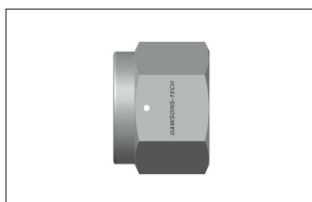


Union Elbow
Page No. 21

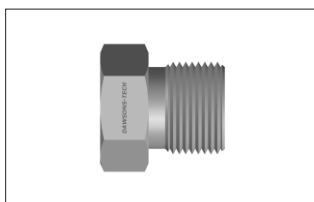


Union Tee
Page No. 22

Max Flow - Nuts :

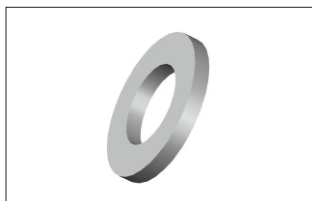


Female Nut
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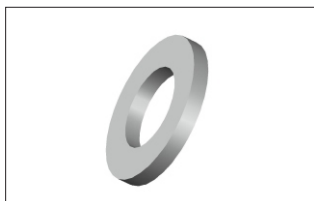


Male Nut
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Max Flow - Gaskets :



Non-Retained
(Silver Plated)
Page No. 23



Non-Retained
(Un-Plated)
Page No. 23



Gasket Retainer Assembly
(Silver Plated)
Page No. 23

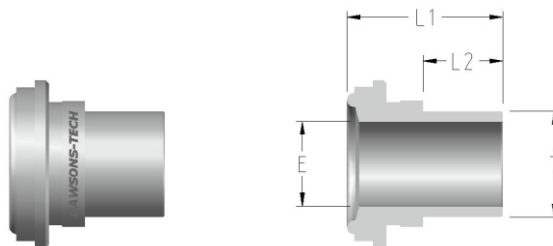


Gasket Retainer Assembly
(Un-Plated)
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HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GLANDS

Short Tube Butt Weld



Standard Configuration Dimensions

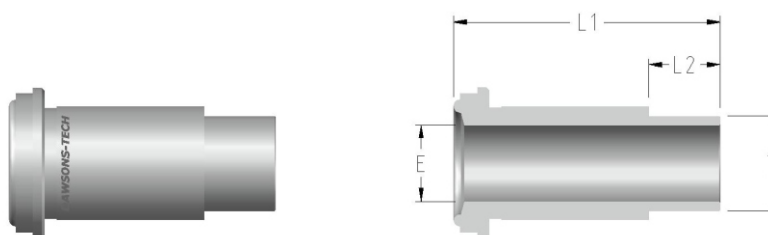
| Face Seal Size | Tube OD | Wall Thickness | Dimensions in mm | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|-------------------|---------|-------------------|------------------|------|------|-----------------------------------|--------------------------|
| | T | | E | L1 | L2 | | |
| Fractional | | | | | | | |
| 1/4 | 1/4 | 0.035 | 4.6 | 15.2 | 6.4 | 5100 (351) | GFSSTG-4-4BW/15 |
| 1/4 | 1/4 | 0.035 | 4.6 | 18.3 | 9.6 | 5100 (351) | GFSSTG-4-4BW/18 |
| 1/4 | 1/4 | 0.035 | 4.6 | 27.9 | 19.1 | 5100 (351) | GFSSTG-4-4BW/27 |
| 1/2 | 1/4 | 0.035 | 4.6 | 28.4 | 19.1 | 4300 (296) | GFSSTG-8-4BW |
| 1/2 | 3/8 | 0.035 | 7.9 | 15.7 | 6.4 | 3300 (227) | GFSSTG-8-6BW/15 |
| 1/2 | 1/2 | 0.049 | 10.2 | 15.7 | 6.4 | 3700 (254) | GFSSTG-8-8BW/15 |
| 1/2 | 1/2 | 0.049 | 10.2 | 18.8 | 9.6 | 3700 (254) | GFSSTG-8-8BW/18 |
| 1/2 | 1/2 | 0.049 | 10.2 | 28.4 | 19.1 | 3700 (254) | GFSSTG-8-8BW/28 |
| Metric | | | | | | | |
| 1/4 | 6mm | 1.0mm | 4.0 | 29.5 | 19.1 | 6800 (468) | GFSSTG-4-6MBW |
| 1/4 | 8mm | 1.0mm | 6.0 | 29.5 | 19.1 | 4900 (337) | GFSSTG-4-8MBW |
| 1/2 | 10mm | 1.0mm | 8.0 | 29.5 | 19.1 | 3500 (241) | GFSSTG-8-12MBW |
| 1/2 | 12mm | 1.0mm | 10.0 | 29.5 | 19.1 | 3100 (213) | GFSSTG-8-12MBW |
| 3/4 | 18mm | 1.5mm | 15.0 | 31.0 | 19.1 | 3000 (206) | GFSSTG-12-18MBW |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GLANDS

Long Tube Butt Weld

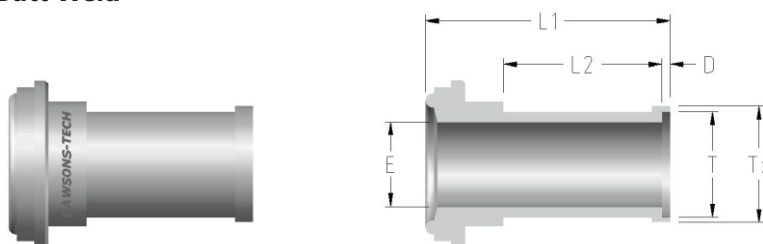


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Wall Thickness | Dimensions in mm | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|-------------------|---------|-------------------|------------------|------|------|-----------------------------------|--------------------------|
| | T | | E | L1 | L2 | | |
| Fractional | | | | | | | |
| 1/4 | 1/4 | 0.035 | 4.6 | 30.5 | 6.4 | 5100 (351) | GFSLTG-4-4BW/30 |
| 1/4 | 1/4 | 0.035 | 4.6 | 33.3 | 9.1 | 5100 (351) | GFSLTG-4-4BW/33 |
| 1/4 | 1/4 | 0.035 | 4.6 | 33.5 | 9.6 | 5100 (351) | GFSLTG-4-4BW/34 |
| 1/4 | 1/4 | 0.035 | 4.6 | 43.2 | 19.1 | 5100 (351) | GFSLTG-4-4BW/43 |
| 1/2 | 1/4 | 0.035 | 4.6 | 45.7 | 19.1 | 4300 (296) | GFSLTG-8-4BW |
| 1/2 | 3/8 | 0.035 | 7.9 | 32.8 | 6.4 | 3300 (227) | GFSLTG-8-6BW/32 |
| 1/2 | 3/8 | 0.035 | 7.9 | 45.5 | 19.4 | 3300 (227) | GFSLTG-8-6BW/45 |
| 1/2 | 1/2 | 0.049 | 10.2 | 32.8 | 6.4 | 3700 (254) | GFSLTG-8-8BW/32 |
| 1/2 | 1/2 | 0.049 | 10.2 | 35.8 | 9.6 | 3700 (254) | GFSLTG-8-8BW/35 |
| 1/2 | 1/2 | 0.049 | 10.2 | 45.5 | 19.1 | 3700 (254) | GFSLTG-8-8BW/45 |
| 3/4 | 3/4 | 0.049 | 16.5 | 51.6 | 19.1 | 2400 (165) | GFSLTG-12-12BW |
| 1 | 1 | 0.065 | 22.1 | 58.9 | 19.1 | 2400 (165) | GFSLTG-16-16BW |
| Metric | | | | | | | |
| 1/4 | 6mm | 1.0mm | 4.0 | 43.2 | 19.1 | 6800 (468) | GFSLTG-4-6MBW |
| 1/4 | 8mm | 1.0mm | 6.0 | 43.2 | 19.1 | 4900 (337) | GFSLTG-4-8MBW |
| 1/2 | 10mm | 1.0mm | 8.0 | 45.5 | 19.1 | 3500 (241) | GFSLTG-8-10MBW |
| 1/2 | 12mm | 1.0mm | 10.0 | 45.5 | 19.1 | 3100 (213) | GFSLTG-8-12MBW |
| 3/4 | 18mm | 1.5mm | 15.0 | 51.6 | 19.1 | 3000 (206) | GFSLTG-12-18MBW |

Dimensions are for reference only and are subject to change.

Short Automatic Tube Butt Weld



Standard Configuration Dimensions

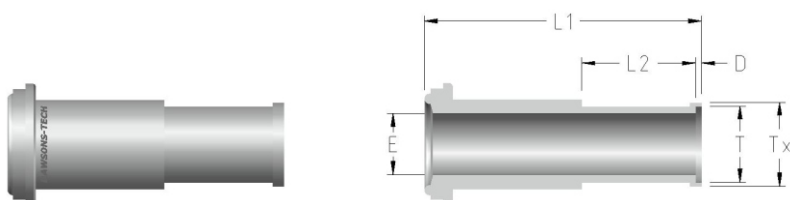
| Face Seal Size | Tube OD | Wall Thickness | Dimensions in mm | | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|----------------|------------------|------|------|------|------|-----------------------------|-----------------------|
| | T | | D | E | L1 | L2 | Tx | | |
| Fractional | | | | | | | | | |
| 1/4 | 1/4 | 0.035 | 0.5 | 4.6 | 28.4 | 19.1 | 7.4 | 5100 (351) | GFSSATG-4-4BW |
| 1/2 | 3/8 | 0.035 | 0.8 | 7.9 | 29.2 | 19.1 | 10.4 | 3300 (227) | GFSSATG-8-6BW |
| 1/2 | 1/2 | 0.049 | 1.0 | 10.2 | 29.5 | 19.1 | 14.0 | 3500 (241) | GFSSATG-8-8BW |
| Metric | | | | | | | | | |
| 1/4 | 6mm | 1.0mm | 0.5 | 4.0 | 30.0 | 19.1 | 6.8 | 6800 (468) | GFSSATG-4-6MBW |
| 1/4 | 8mm | 1.0mm | 0.8 | 6.0 | 30.2 | 19.1 | 8.9 | 4900 (337) | GFSSATG-4-8MBW |
| 1/2 | 10mm | 1.0mm | 0.8 | 8.0 | 31.0 | 19.1 | 10.9 | 3500 (241) | GFSSATG-8-10MBW |
| 1/2 | 12mm | 1.0mm | 1.0 | 10.0 | 30.5 | 19.1 | 13.2 | 3100 (213) | GFSSATG-8-12MBW |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GLANDS

Long Automatic Tube Butt Weld

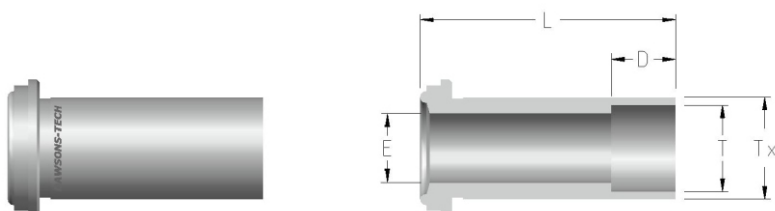


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Wall Thickness | Dimensions in mm | | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|----------------|------------------|------|------|------|------|-----------------------------|-----------------------|
| | T | | D | E | L1 | L2 | Tx | | |
| Fractional | | | | | | | | | |
| 1/4 | 1/4 | 0.035 | 0.5 | 4.6 | 43.7 | 19.1 | 7.4 | 5100 (351) | GFSLATG-4-4BW/43 |
| 1/2 | 1/4 | 0.035 | 0.5 | 4.6 | 46.2 | 19.1 | 7.4 | 3500 (241) | GFSLATG-8-4BW/46 |
| 1/2 | 3/8 | 0.035 | 0.8 | 7.9 | 46.2 | 19.1 | 10.4 | 3300 (227) | GFSLATG-8-6BW |
| 1/2 | 1/2 | 0.049 | 1.0 | 10.2 | 46.5 | 19.1 | 14.0 | 3500 (241) | GFSLATG-8-8BW |
| 3/4 | 3/4 | 0.049 | 1.0 | 16.5 | 52.6 | 19.1 | 20.3 | 2400 (165) | GFSLATG-12-12BW |
| 1 | 1 | 0.065 | 1.0 | 22.1 | 65.3 | 24.4 | 26.9 | 2400 (165) | GFSLATG-16-16BW |
| Metric | | | | | | | | | |
| 1/4 | 6mm | 1.0mm | 0.5 | 4.0 | 43.7 | 19.1 | 6.8 | 6800 (468) | GFSLATG-4-6MBW |
| 1/2 | 12mm | 1.0mm | 1.0 | 10.0 | 46.5 | 19.1 | 13.2 | 3100 (213) | GFSLATG-8-12MBW |
| 3/4 | 18mm | 1.0mm | 1.0 | 15.0 | 52.6 | 19.1 | 19.3 | 3000 (206) | GFSLATG-12-18MBW |

Dimensions are for reference only and are subject to change.

Socket Weld



Standard Configuration Dimensions

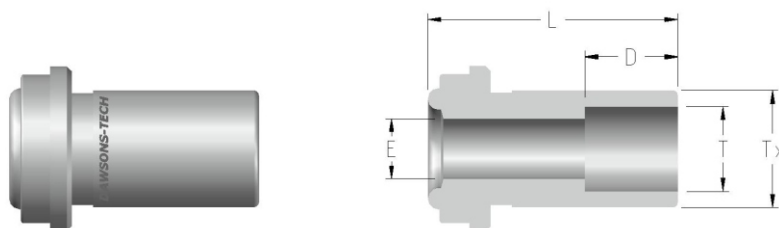
| Face Seal Size | Tube Socket | Dimensions in mm | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-------------|------------------|------|------|------|-----------------------------|-----------------------|
| | T | D | E | L | Tx | | |
| 1/4 | 1/4 | 7.1 | 4.6 | 33.3 | 8.9 | 5500 (378) | GFSG-4-4SW |
| 1/2 | 3/8 | 7.9 | 7.1 | 38.1 | 15.2 | 4300 (296) | GFSG-8-6SW |
| 1/2 | 1/2 | 9.6 | 10.2 | 38.1 | 15.2 | 3000 (206) | GFSG-8-8SW |
| 5/8 | 5/8 | 10.4 | 12.7 | 39.6 | 18.3 | 2800 (192) | GFSG-10-10SW |
| 3/4 | 3/4 | 11.2 | 15.7 | 50.8 | 22.4 | 2800 (192) | GFSG-12-12SW |
| 1 | 1 | 15.7 | 22.1 | 56.4 | 30.2 | 3000 (206) | GFSG-16-16SW |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GLANDS

Short Socket Weld

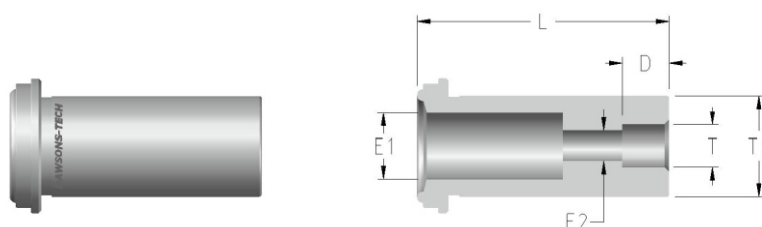


Standard Configuration Dimensions

| Face Seal Size | Tube Socket | Dimensions in mm | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-------------|------------------|-----|------|-----|-----------------------------|-----------------------|
| | T | D | E | L | Tx | | |
| 1/4 | 1/4 | 7.1 | 4.6 | 12.7 | 8.9 | 5500 (378) | GFSSG-4-4SW/12 |
| 1/4 | 1/4 | 7.1 | 4.6 | 19.1 | 8.9 | 5500 (378) | GFSSG-4-4SW/19 |

Dimensions are for reference only and are subject to change.

Reducing Socket Weld

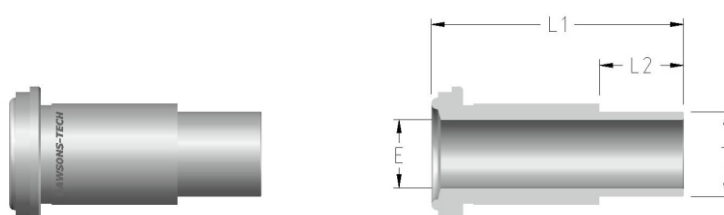


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|------|-----|------|------|-----------------------------|-----------------------|
| | T | D | E1 | E2 | L | Tx | | |
| 1/4 | 1/4 | 2.5 | 4.6 | 2.3 | 33.3 | 8.9 | 8000 (378) | GFSRG-4-4SW |
| 1/2 | 1/4 | 7.1 | 10.2 | 4.6 | 38.1 | 15.2 | 3500 (241) | GFSRG-8-4SW |

Dimensions are for reference only and are subject to change.

Male Weld



Standard Configuration Dimensions

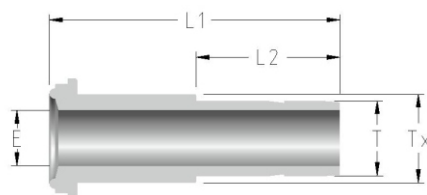
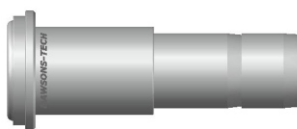
| Face Seal Size | Tube Socket | Dimensions in mm | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-------------|------------------|------|------|-----------------------------|-----------------------|
| | T | E | L1 | L2 | | |
| 1/4 | 1/4 | 3.0 | 33.3 | 10.1 | 10,000 (689) | GFSC-4-4MW |
| 1/2 | 1/4 | 3.0 | 38.1 | 10.4 | 4300 (296) | GFSC-8-4MW |
| 1/2 | 3/8 | 7.1 | 38.1 | 10.4 | 4300 (296) | GFSC-8-6MW |
| 1/2 | 1/2 | 10.2 | 38.1 | 12.7 | 3500 (241) | GFSC-8-8MW |
| 3/4 | 3/4 | 13.5 | 50.8 | 15.7 | 3700 (254) | GFSC-12-12MW |
| 1 | 1 | 19.1 | 56.4 | 20.6 | 3000 (206) | GFSC-16-16MW |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GLANDS

Tube Adapter

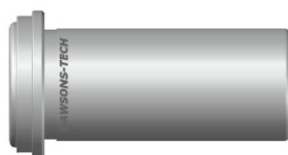


Standard Configuration Dimensions

| Face Seal Size | Tube Socket | Dimensions in mm | | | | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-------------|------------------|------|------|------|-----------------------------|-----------------------|
| | T | E | L1 | L2 | Tx | | |
| 1/4 | 1/4 | 4.3 | 41.0 | 16.2 | 8.9 | 10,000 (689) | GFST AG-4-4 |
| 1/2 | 3/8 | 6.8 | 46.0 | 17.8 | 15.2 | 4300 (296) | GFST AG-8-6 |
| 1/2 | 1/2 | 9.4 | 49.0 | 24.4 | 15.2 | 3500 (241) | GFST AG-8-8 |

Dimensions are for reference only and are subject to change.

Blind (Undrilled) Gland



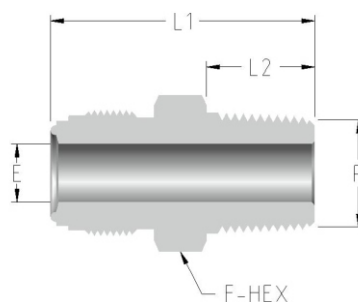
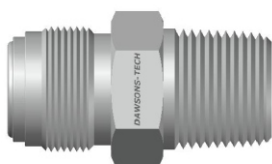
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | Dawsons-Tech Part No. |
|-------------------|------------------|--------------------------|
| | L | |
| 1/4 | 33.3 | GFSBG-4 |
| 1/2 | 38.1 | GFSBG-8 |
| 3/4 | 50.8 | GFSBG-12 |
| 1 | 56.4 | GFSBG-16 |

Dimensions are for reference only and are subject to change.

BODIES

Male Connector (NPT Thread)



Standard Configuration Dimensions

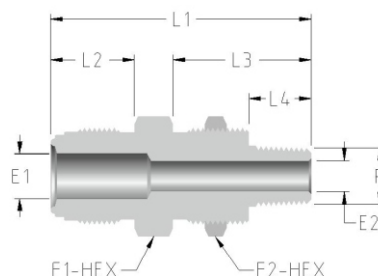
| Face Seal Size | NPT Male Thread | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-----------------|------------------|------|------|--------------|-----------------------------|-----------------------|
| | P | E | L1 | L2 | | | |
| 1/4 | 1/4 | 4.6 | 37.8 | 14.2 | 5/8 | 10,000 (689) | GFSMC-4-4N |
| 1/2 | 1/4 | 7.1 | 41.9 | 14.2 | 15/16 | 4300 (296) | GFSMC-8-4N |
| 1/2 | 3/8 | 9.6 | 41.9 | 14.2 | 15/16 | 4300 (296) | GFSMC-8-6N |
| 1/2 | 1/2 | 10.2 | 46.7 | 19.1 | 15/16 | 4300 (296) | GFSMC-8-8N |
| 3/4 | 3/4 | 15.7 | 55.6 | 19.1 | 15/16 | 3700 (254) | GFSMC-12-12N |
| 1 | 1 | 22.1 | 62.7 | 23.9 | 1-5/8 | 3000 (206) | GFSMC-16-16N |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

BODIES

Bulkhead Male Connector (NPT Thread)

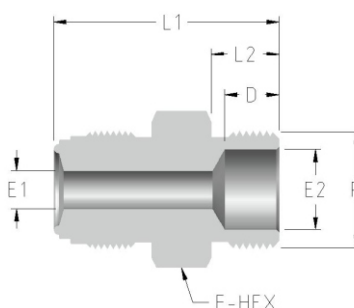
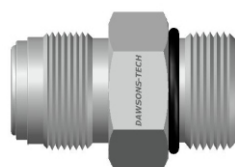


Standard Configuration Dimensions

| Face Seal Size | NPT Male Thread | Dimensions in mm | | | | | | | | F1-Hex (Inch) | F2-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-----------------|------------------|-----|------|------|------|------|---------------------|---------------------|---------------|---------------|-----------------------------|-----------------------|
| | | E1 | E2 | L1 | L2 | L3 | L4 | Max Panel Hole Size | Max Panel Thickness | | | | |
| 1/4 | 1/4 | 4.6 | 7.1 | 56.1 | 15.7 | 31.5 | 14.2 | 16.8 | 9.7 | 13/16 | 13/16 | 8000 (551) | GFSBPMC-4-4N |
| 1/2 | 1/4 | 10.2 | 7.1 | 59.4 | 19.1 | 31.5 | 14.2 | 16.8 | 9.7 | 15/16 | 13/16 | 4300 (296) | GFSBPMC-8-4N |

Dimensions are for reference only and are subject to change

Straight Thread O-Ring Seal Male Connector

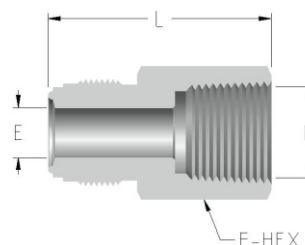


Standard Configuration Dimensions

| Face Seal Size | SAE/MS Straight Thread | Dimensions in mm | | | | | | F-Hex (Inch) | Uniform 'O' Ring Size | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------------|------------------|------|-----|------|------|------|--------------|-----------------------|-----------------------------|-----------------------|
| | | P | D | E1 | E2 | L1 | L2 | | | | |
| 1/4 | 9/16-18 | | 6.4 | 4.6 | 7.1 | 33.8 | 9.9 | 3/4 | 906 Fluorocarbon | 4500 (310) | GFSMC-4-9SE |
| 1/2 | 7/8-14 | | 10.2 | 7.1 | 15.0 | 42.2 | 12.7 | 1 | 910 Fluorocarbon | 3500 (241) | GFSMC-8-14SE |
| 1/2 | 9/16-18 | | - | 7.1 | 7.1 | 37.6 | 9.9 | 15/16 | 906 Fluorocarbon | 3500 (241) | GFSMC-8-9SE |

Dimensions are for reference only and are subject to change

Female Connector (NPT Thread)



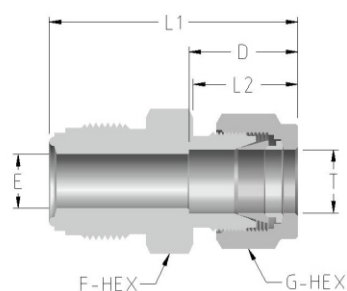
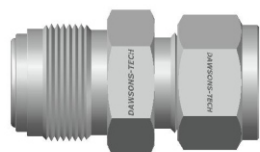
Standard Configuration Dimensions

| Face Seal Size | NPT Female Thread | Dimensions in mm | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-------------------|------------------|------|--------------|-----------------------------|-----------------------|
| | | E | L | | | |
| 1/4 | 1/4 | 4.6 | 39.1 | 5/8 | 6600 (454) | GFSFC-4-4N |
| 1/2 | 3/8 | 10.2 | 44.7 | 15/16 | 4300 (296) | GFSFC-8-6N |
| 1/2 | 1/2 | 10.2 | 50.5 | 15/16 | 4300 (296) | GFSFC-8-8N |
| 3/4 | 3/4 | 15.7 | 59.9 | 15/16 | 3700 (254) | GFSFC-12-12N |
| 1 | 1 | 22.1 | 63.8 | 1-5/8 | 3000 (206) | GFSFC-16-16N |

Dimensions are for reference only and are subject to change

HIGH PURITY METAL GASKET FACE SEAL FITTINGS BODIES

Compression Tube Fitting Connector

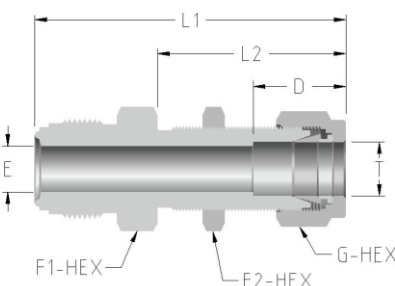
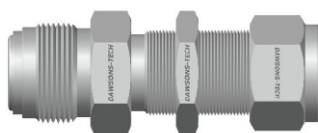


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | F-Hex (Inch) | G-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|------|------|------|--------------|--------------|-----------------------------|-----------------------|
| | | T | D | E | L1 | | | | |
| 1/4 | 1/4 | 15.2 | 4.6 | 41.1 | 17.8 | 5/8 | 9/16 | 10,000 (689) | GFSTFC-4-4 |
| 1/2 | 3/8 | 16.8 | 7.1 | 46.7 | 19.3 | 15/16 | 11/16 | 4300 (296) | GFSTFC-8-6 |
| 1/2 | 1/2 | 22.9 | 10.2 | 49.5 | 21.8 | 15/16 | 7/8 | 4300 (296) | GFSTFC-8-8 |

Dimensions are for reference only and are subject to change.

Compression Tube Fitting Bulkhead Connector

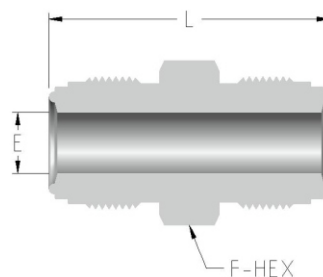
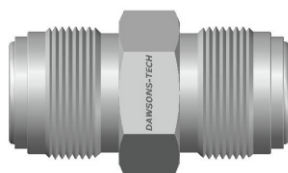


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | | | F1-Hex (Inch) | F2-Hex (Inch) | G-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|------|------|------|------|-----------------|---------------------|---------------|--------------|-----------------------------|-----------------------|
| | | T | D | E | L1 | L2 | Panel Hole Size | Max Panel Thickness | | | | |
| 1/4 | 1/4 | 15.2 | 4.6 | 57.2 | 33.5 | 11.9 | 10.2 | 5/8 | 5/8 | 9/16 | 10,000 (689) | GFSTFBC-4-4/57 |
| 1/4 | 1/4 | 15.2 | 4.6 | 47.8 | 26.7 | 11.9 | 3.3 | 5/8 | 5/8 | 9/16 | 10,000 (689) | GFSTFBC-4-4/47 |
| 1/2 | 3/8 | 16.8 | 7.1 | 64.5 | 36.8 | 15.0 | 11.2 | 15/16 | 3/4 | 11/16 | 4300 (296) | GFSTFBC-8-6 |
| 1/2 | 1/2 | 22.9 | 10.2 | 69.6 | 41.9 | 19.8 | 12.7 | 15/16 | 15/16 | 7/8 | 4300 (296) | GFSTFBC-8-8 |

Dimensions are for reference only and are subject to change.

Male Union



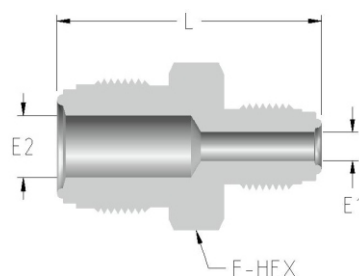
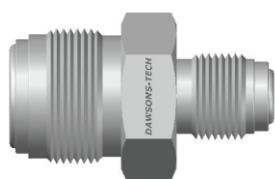
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------------|-----------------------|
| | E | L | | | |
| 1/4 | 4.6 | 39.4 | 5/8 | 10,000 (689) | GFSMU-4 |
| 1/2 | 10.2 | 46.7 | 15/16 | 4300 (296) | GFSMU-8 |
| 3/4 | 15.7 | 62.0 | 15/16 | 3700 (254) | GFSMU-12 |
| 1 | 22.1 | 65.8 | 1-5/8 | 3000 (206) | GFSMU-16 |

Dimensions are for reference only and are subject to change.

BODIES

Male Reducing Union

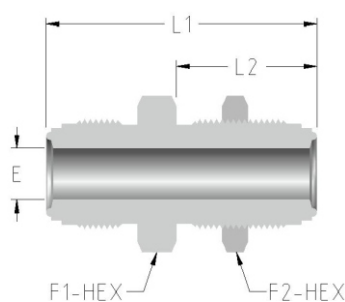
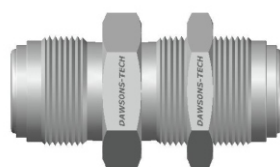


Standard Configuration Dimensions

| Face Seal Size | Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|----------------|------------------|-----|------|--------------|-----------------------------|-----------------------|
| | | E1 | E2 | L | | | |
| 1/2 | 1/4 | 10.2 | 4.6 | 43.4 | 15/16 | 4300 (296) | GFSMRU-8-4 |

Dimensions are for reference only and are subject to change

Male Bulkhead Union

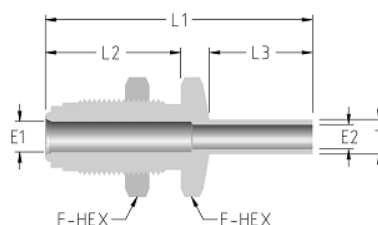
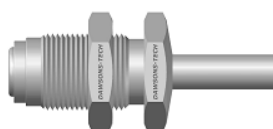


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | | | | F1-Hex (Inch) | F2-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|------|------|-----------------|---------------------|---------------|---------------|-----------------------------|-----------------------|
| | E | L1 | L2 | Panel Hole Size | Max Panel Thickness | | | | |
| 1/4 | 4.6 | 56.6 | 33.0 | 15.0 | 11.2 | 3/4 | 3/4 | 10,000 (689) | GFSMBU-4/56 |
| 1/4 | 4.6 | 46.2 | 25.1 | 15.0 | 3.3 | 3/4 | 3/4 | 10,000 (689) | GFSMBU-4/46 |
| 1/2 | 10.2 | 65.3 | 37.6 | 23.1 | 12.7 | 1-1/16 | 1-1/16 | 4300 (296) | GFSMBU-8/65 |
| 1/2 | 10.2 | 54.4 | 28.2 | 23.1 | 3.3 | 1-1/16 | 1-1/16 | 4300 (296) | GFSMBU-8/54 |

Dimensions are for reference only and are subject to change.

Tube Butt Weld Bulkhead Connector



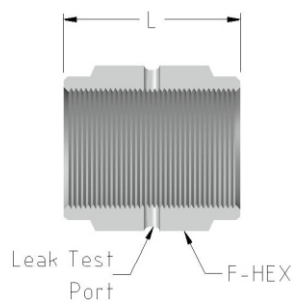
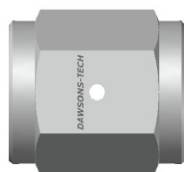
Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm/inch | | | | | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|-----------------------|-----|------|------|------|-----------------|---------------------|--------------|-----------------------------|-----------------------|
| | T | E1 | E2 | L1 | L2 | L3 | Panel Hole Size | Max Panel Thickness | | | |
| 1/4 | 1/4 | 5.6 | 4.6 | 59.9 | 33.0 | 19.1 | 15.0 | 11.2 | 3/4 | 5100 (351) | GFSTBC-4-4BW59 |
| 1/4 | 1/4 | 5.6 | 4.6 | 49.5 | 25.1 | 19.1 | 15.0 | 3.3 | 3/4 | 5100 (351) | GFSTBC-4-4BW49 |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS BODIES

Coupling

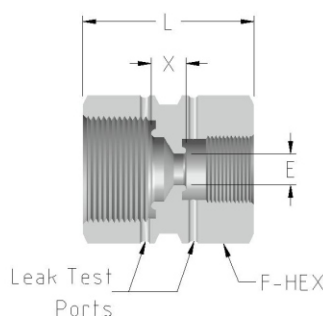
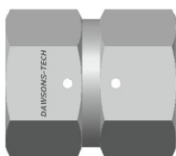


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | F-Hex (Inch) | Dawsons-Tech Part No. |
|-------------------|------------------|-----------------|--------------------------|
| | L | | |
| 1/4 | 30.2 | 3/4 | GFSBG-4 |
| 1/2 | 33.3 | 1-1/16 | GFSBG-8 |
| 3/4 | 42.7 | 1-1/2 | GFSBG-12 |
| 1 | 51.8 | 1-3/4 | GFSBG-16 |

Dimensions are for reference only and are subject to change.

Female Reducing Union

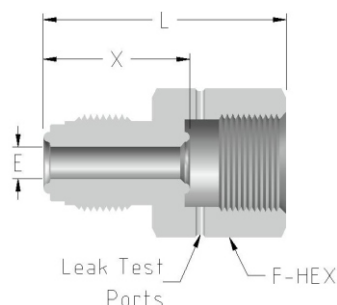
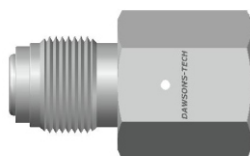


Standard Configuration Dimensions

| Face Seal Size | Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|----------------|------------------|------|-----|--------------|-----------------------------|-----------------------|
| | | E | L | X | | | |
| 1/2 | 1/4 | 6.4 | 35.8 | 8.9 | 1-1/16 | 4300 (296) | GFSFRU-8-4 |

Dimensions are for reference only and are subject to change

Reducing Adaptor



Standard Configuration Dimensions

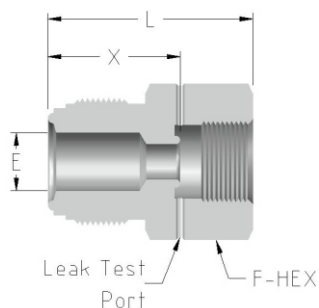
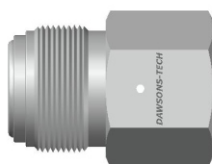
| Face Seal Size | Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|----------------|------------------|------|------|--------------|-----------------------------|-----------------------|
| | | E | L | X | | | |
| 1/2 | 1/4 | 4.6 | 35.8 | 21.6 | 1-1/16 | 4300 (296) | GFSFRA-8-4 |

Dimensions are for reference only and are subject to change

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

BODIES

Reducing Bushing

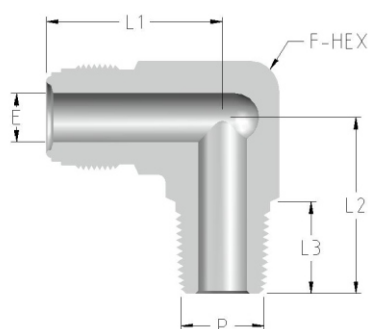


Standard Configuration Dimensions

| Face Seal Size | Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|----------------|------------------|------|------|--------------|-----------------------------|-----------------------|
| | | E | L | X | | | |
| 1/2 | 1/4 | 6.4 | 35.8 | 23.1 | 15/16 | 4300 (296) | GFSFRB-8-4 |

Dimensions are for reference only and are subject to change

Male Elbow (NPT Thread)

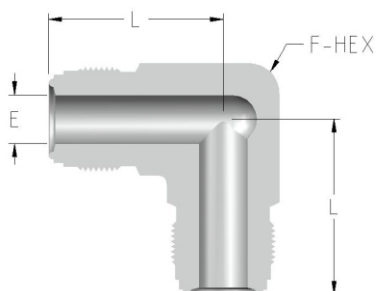


Standard Configuration Dimensions

| Face Seal Size | NPT Male Thread | Dimensions in mm/inch | | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|-----------------|-----------------------|------|------|------|--------------|-----------------------------|-----------------------|
| | P | E | L1 | L2 | L3 | | | |
| 1/4 | 1/4 | 4.6 | 27.2 | 26.7 | 14.2 | 1/2 | 8000 (551) | GFSME-4-4N |
| 1/2 | 3/8 | 10.2 | 36.8 | 32.0 | 14.2 | 13/16 | 4300 (296) | GFSME-8-6N |
| 1/2 | 1/2 | 10.2 | 36.8 | 36.8 | 19.1 | 13/16 | 4300 (296) | GFSME-8-8N |

Dimensions are for reference only and are subject to change.

Union Elbow



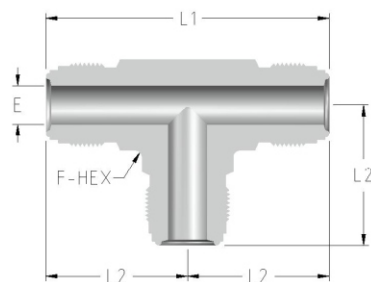
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------------|-----------------------|
| | E | L | | | |
| 1/4 | 4.6 | 27.2 | 1/2 | 10,000 (689) | GFSUE-4 |
| 1/2 | 10.2 | 36.8 | 13/16 | 4300 (296) | GFSUE-8 |
| 3/4 | 15.7 | 48.8 | 1-1/4 | 3700 (254) | GFSUE-12 |
| 1 | 22.1 | 50.8 | 1-11/16 | 3000 (206) | GFSUE-16 |

Dimensions are for reference only and are subject to change

BODIES

Union Tee

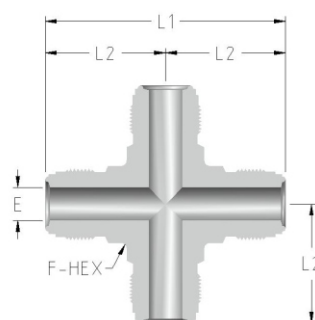
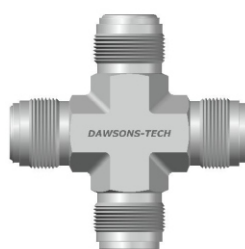


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|-------|------|--------------|-----------------------------|-----------------------|
| | E | L1 | L2 | | | |
| 1/4 | 4.6 | 54.4 | 27.2 | 1/2 | 10,000 (689) | GFSUT-4 |
| 1/2 | 10.2 | 73.7 | 36.8 | 13/16 | 4300 (296) | GFSUT-8 |
| 3/4 | 15.7 | 97.5 | 48.8 | 1-1/4 | 3700 (254) | GFSUT-12 |
| 1 | 22.1 | 102.0 | 50.8 | 1-11/16 | 3000 (206) | GFSUT-16 |

Dimensions are for reference only and are subject to change.

Union Cross



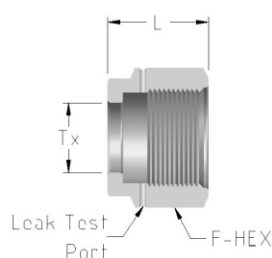
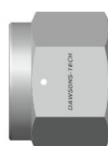
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|-------|------|--------------|-----------------------------|-----------------------|
| | E | L1 | L2 | | | |
| 1/4 | 4.6 | 54.4 | 27.2 | 1/2 | 10,000 (689) | GFSUC-4 |
| 1/2 | 10.2 | 73.7 | 36.8 | 13/16 | 4300 (296) | GFSUC-8 |
| 3/4 | 15.7 | 97.5 | 48.8 | 1-1/4 | 3700 (254) | GFSUC-12 |
| 1 | 22.1 | 102.0 | 50.8 | 1-11/16 | 3000 (206) | GFSUC-16 |

Dimensions are for reference only and are subject to change.

NUTS, CAPS & PLUGS

Female Nut



Standard Configuration Dimensions

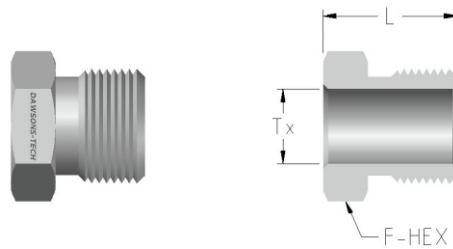
| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------|
| | L | TX | | |
| 1/4 | 20.6 | 9.1 | 3/4 | GFSFN-4 |
| 1/2 | 22.4 | 15.5 | 1-1/16 | GFSFN-8 |
| 5/8 | 22.4 | 18.8 | 1-3/16 | GFSFN-10 |
| 3/4 | 28.4 | 22.6 | 1-1/2 | GFSFN-12 |
| 1 | 34.0 | 30.5 | 1-3/4 | GFSFN-16 |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

NUTS, CAPS & PLUGS

Male Nut

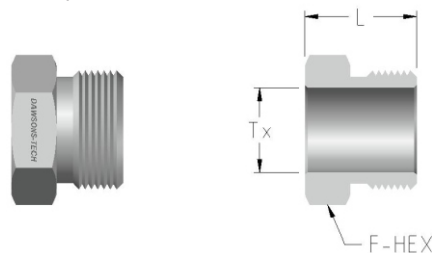


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------|
| | L | TX | | |
| 1/4 | 18.0 | 9.1 | 5/8 | GFSMN-4 |
| 1/2 | 20.6 | 15.5 | 15/16 | GFSMN-8 |
| 5/8 | 20.6 | 18.8 | 1-1/16 | GFSMN-10 |
| 3/4 | 25.4 | 22.6 | 1-5/16 | GFSMN-12 |
| 1 | 30.2 | 30.5 | 1-5/8 | GFSMN-16 |

Dimensions are for reference only and are subject to change.

Short Male Nut (For use with short Gland)

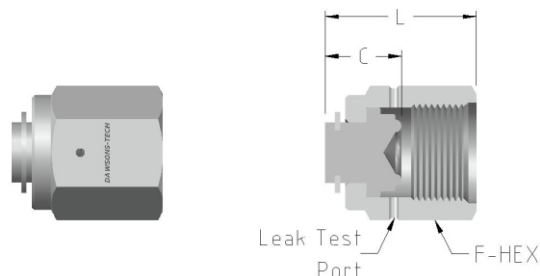


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|-----|--------------|-----------------------|
| | L | TX | | |
| 1/4 | 13.7 | 9.1 | 5/8 | GFSSMN-4/13 |
| 1/4 | 16.5 | 9.1 | 5/8 | GFSSMN-4/16 |

Dimensions are for reference only and are subject to change.

Cap



Standard Configuration Dimensions

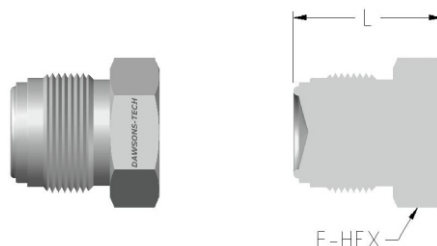
| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------|
| | C | L | | |
| 1/4 | 11.2 | 23.9 | 3/4 | GFSCP-4 |
| 1/2 | 11.4 | 25.6 | 1-1/16 | GFSCP-8 |
| 3/4 | 13.7 | 32.8 | 1-1/2 | GFSCP-12 |
| 1 | 16.0 | 39.1 | 1-3/4 | GFSCP-16 |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

NUTS, CAPS & PLUGS

Plug



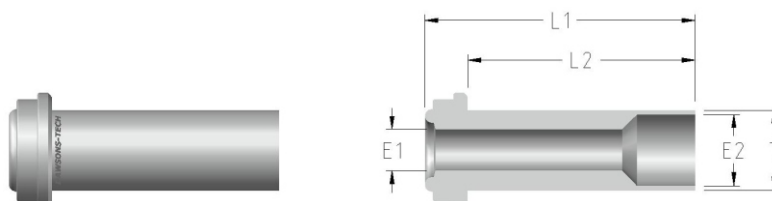
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | F-Hex (Inch) | Dawsons-Tech Part No. |
|-------------------|------------------|-----------------|--------------------------|
| | L | | |
| 1/4 | 23.4 | 5/8 | GFSP-4 |
| 1/2 | 27.4 | 15/16 | GFSP-8 |
| 3/4 | 36.3 | 1-5/16 | GFSP-12 |
| 1 | 38.6 | 1-5/8 | GFSP-16 |

Dimensions are for reference only and are subject to change.

MAX FLOW - GLAND

Tube Butt Weld



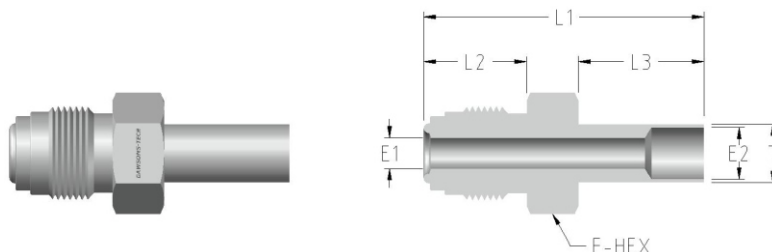
Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm/inch | | | | Wall Thickness | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|-----------------------|-----|------|------|----------------|-----------------------------|-----------------------|
| | T | E1 | E2 | L1 | L2 | | | |
| 1/4 | 3/8 | 6.4 | 7.9 | 15.2 | 10.4 | 0.035 | 3300 (227) | GFSMFTG-4-6BW/15 |
| 1/4 | 3/8 | 6.4 | 7.9 | 30.2 | 25.4 | 0.035 | 3300 (227) | GFSMFTG-4-6BW/30 |
| 1/4 | 3/8 | 6.4 | 7.9 | 33.3 | 28.4 | 0.035 | 3300 (227) | GFSMFTG-4-6BW/33 |

Dimensions are for reference only and are subject to change.

MAX FLOW - BODIES

Tube Butt Weld



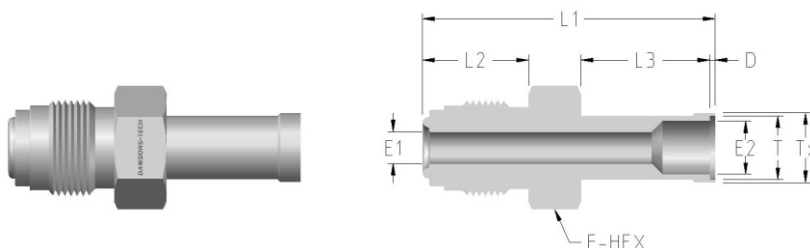
Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|-----|------|------|------|--------------|-----------------------------|-----------------------|
| | T | E1 | E2 | L1 | L2 | L3 | | | |
| 1/4 | 3/8 | 6.4 | 7.9 | 42.7 | 15.7 | 19.1 | 5/8 | 3300 (227) | GFSMFB-4-6BW |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS MAX FLOW - BODIES

Automatic Tube Weld

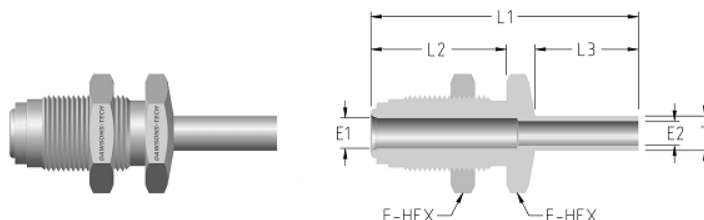


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|-----|-----|------|------|------|------|--------------|-----------------------------|-----------------------|
| | T | D | E1 | E2 | L1 | L2 | L3 | Tx | | | |
| 1/4 | 3/8 | 0.8 | 6.4 | 7.9 | 43.4 | 15.7 | 19.1 | 10.4 | 5/8 | 3300 (227) | GFSMFA-4-6TW |

Dimensions are for reference only and are subject to change.

Bulkhead Connector

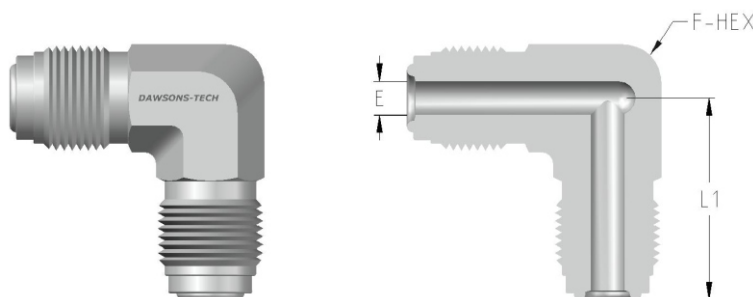


Standard Configuration Dimensions

| Face Seal Size | Tube OD | Dimensions in mm | | | | | | | F-Hex | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|---------|------------------|-----|------|------|------|-----------------|---------------------|-------|-----------------------------|-----------------------|
| | T | E1 | E2 | L1 | L2 | L3 | Panel Hole Size | Max Panel Thickness | | | |
| 1/4 | 3/8 | 7.9 | 6.4 | 59.9 | 33.0 | 19.1 | 15.0 | 11.2 | 3/4 | 3300 (227) | GFSMFBC-4-6 |

Dimensions are for reference only and are subject to change.

Union Elbow



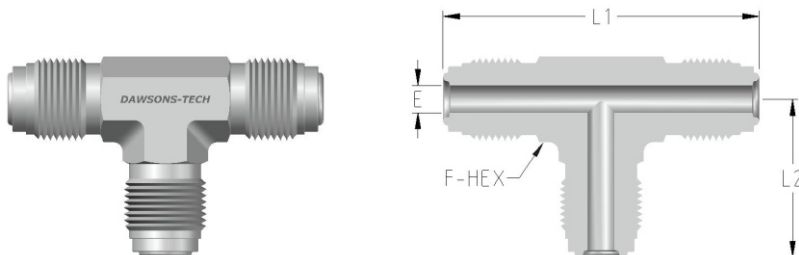
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------------|-----------------------|
| | E | L | | | |
| 1/4 | 6.4 | 27.2 | 1/2 | 10,000 (689) | GFSMFUE-4 |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS MAX FLOW - BODIES

Union Tee



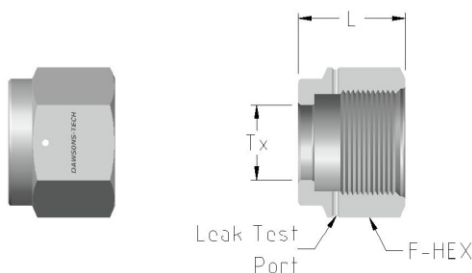
Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | | F-Hex (Inch) | Working Pressure PSIG (Bar) | Dawsons-Tech Part No. |
|----------------|------------------|------|------|--------------|-----------------------------|-----------------------|
| | E | L1 | L2 | | | |
| 1/4 | 6.4 | 54.4 | 27.2 | 1/2 | 10,000 (689) | GFSMFUT-4 |

Dimensions are for reference only and are subject to change.

MAX FLOW - NUTS

Female Nut

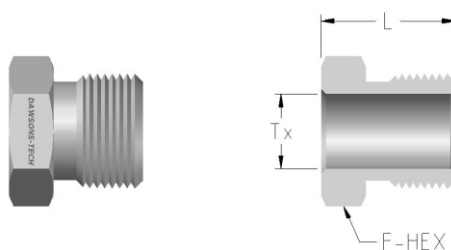


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|------|--------------|-----------------------|
| | L | Tx | | |
| 1/4 | 20.6 | 9.9 | 3/4 | GFSMFFN-4/9 |
| 1/4 | 20.6 | 11.7 | 3/4 | GFSMFFN-4/11 |

Dimensions are for reference only and are subject to change.

Male Nut



Standard Configuration Dimensions

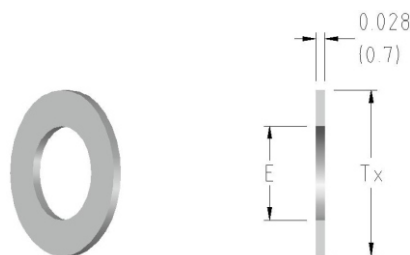
| Face Seal Size | Dimensions in mm | | F-Hex (Inch) | Dawsons-Tech Part No. |
|----------------|------------------|-----|--------------|-----------------------|
| | L | Tx | | |
| 1/4 | 18.0 | 9.9 | 5/8 | GFSMFMN-4 |

Dimensions are for reference only and are subject to change.

HIGH PURITY METAL GASKET FACE SEAL FITTINGS

GASKETS

Non-retained (Silver Plated) (Cannot be used in a Gasket Retainer Assembly)

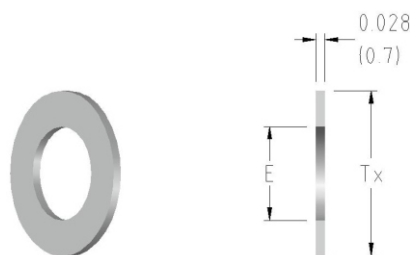


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | Dawsons-Tech Part No. |
|----------------|------------------|------|-----------------------|
| | E | Tx | |
| 1/4 | 5.6 | 11.9 | GFSGNR-4SP |
| 1/2 | 11.2 | 19.8 | GFSGNR-8SP |
| 5/8 | 14.7 | 23.1 | GFSGNR-10SP |
| 3/4 | 16.8 | 29.0 | GFSGNR-12SP |
| 1 | 22.6 | 35.6 | GFSGNR-16SP |

Dimensions are for reference only and are subject to change.

Non-retained (Un-Plated)

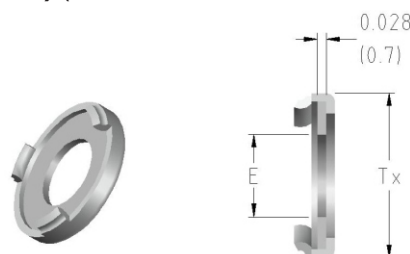


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | Dawsons-Tech Part No. |
|----------------|------------------|------|-----------------------|
| | E | Tx | |
| 1/4 | 5.6 | 11.9 | GFSGNR-4UP |
| 1/2 | 11.2 | 19.8 | GFSGNR-8UP |
| 5/8 | 14.7 | 23.1 | GFSGNR-10UP |
| 3/4 | 16.8 | 29.0 | GFSGNR-12UP |
| 1 | 22.6 | 35.6 | GFSGNR-16UP |

Dimensions are for reference only and are subject to change.

Gasket Retainer Assembly (Silver Plated) (Retainer & Gasket must be used as an assembly)

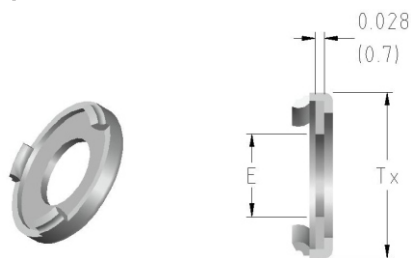


Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | Dawsons-Tech Part No. |
|----------------|------------------|------|-----------------------|
| | E | Tx | |
| 1/4 | 6.1 | 12.7 | GFSGRA-4SP |
| 1/2 | 11.2 | 20.1 | GFSGRA-8SP |
| 3/4 | 16.8 | 29.0 | GFSGRA-12SP |
| 1 | 22.6 | 35.6 | GFSGRA-16SP |

Dimensions are for reference only and are subject to change.

Gasket Retainer Assembly (Un-Plated)



Standard Configuration Dimensions

| Face Seal Size | Dimensions in mm | | Dawsons-Tech Part No. |
|-------------------|------------------|------|--------------------------|
| | E | Tx | |
| 1/4 | 6.1 | 12.7 | GFSGRA-4UP |
| 1/2 | 11.2 | 20.1 | GFSGRA-8UP |
| 3/4 | 16.8 | 29.0 | GFSGRA-12UP |
| 1 | 22.6 | 35.6 | GFSGRA-16UP |

Dimensions are for reference only and are subject to change.

ORDERING INFORMATION : (GLANDS - FRACTIONAL)

For Example : PART NO. : GFSLTG-12-12BW-SS

| Type of Fittings | Face Seal Size | Tube OD Size | Tube OD Type | Material of Construction |
|------------------|----------------|--------------|--------------|--------------------------|
| GFSLTG | 12 | 12 | BW | SS |
| Long Tube Gland | 3/4" | 3/4" | Butt Weld | SS316 |

ORDERING INFORMATION : (GLANDS - METRIC)

For Example : PART NO. : GFSLTG-8-12MBW-SS

| Type of Fittings | Face Seal Size | Tube OD Size | Tube OD Type | Material of Construction |
|------------------|----------------|--------------|--------------|--------------------------|
| GFSLTG | 8 | 12M | BW | SS |
| Long Tube Gland | 1/2" | 12mm | Butt Weld | SS316 |

ORDERING INFORMATION : (BODIES - FRACTIONAL)

For Example : PART NO. : GFSMC-8-8N-SS

| Type of Fittings | Face Seal Size | End Connection Thread Size | End Connection Thread Type | Material of Construction |
|------------------|----------------|----------------------------|----------------------------|--------------------------|
| GFSMC | 8 | 8 | N | SS |
| Male Connector | 1/2" | 1/2" | NPT | SS316 |

PART NO. CODE DESCRIPTION :

| Face Seal Size | | | |
|-----------------|------|-------------|------|
| Fractional Tube | | Metric Tube | |
| 4 | 1/4" | 6M | 6mm |
| 6 | 3/8" | 8M | 8mm |
| 8 | 1/2" | 10M | 10mm |
| 12 | 3/4" | 12M | 12mm |
| 16 | 1" | 18M | 18mm |

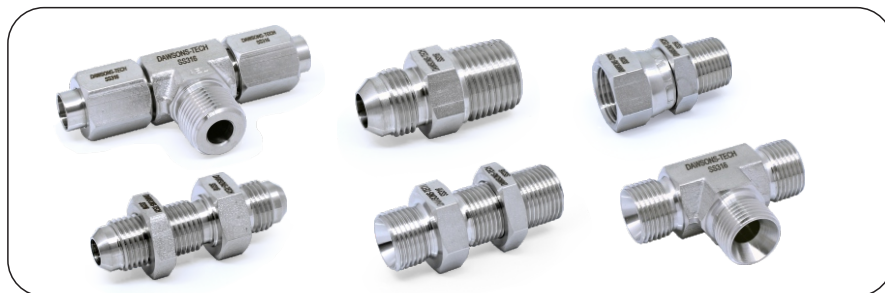
| End Connection Size Tube OD | | | |
|-----------------------------|------|-------------|------|
| Fractional Tube | | Metric Tube | |
| 4 | 1/4" | 6M | 6mm |
| 6 | 3/8" | 8M | 8mm |
| 8 | 1/2" | 10M | 10mm |
| 12 | 3/4" | 12M | 12mm |
| 16 | 1" | 18M | 18mm |

| Pipe End Connection Thread Size | Fractional | |
|---------------------------------|------------|-------|
| | 4 | 1/4" |
| | 6 | 3/8" |
| | 8 | 1/2" |
| | 9 | 9/16" |
| | 12 | 3/4" |
| | 14 | 7/8" |
| | 16 | 1" |

| End Connection Thread Type | N : NPT |
|----------------------------|----------------------|
| | SE : Straight Thread |
| | BW : Butt Weld |
| | SW : Socket Weld |
| | MW : Male Weld |

| Material of Construction | SS : SS316 |
|--------------------------|--------------|
| | SSL : SS316L |

| End Connection Thread Type | V : Fluorocarbon |
|----------------------------|------------------|
| | R : Nitrile |
| | E : EPDM |
| | Z : Neoprene |



37° Flare Fittings / BSP 60° Cone Fittings



Precision Threaded / Socket / Butt Weld Pipe Fittings & Adapters



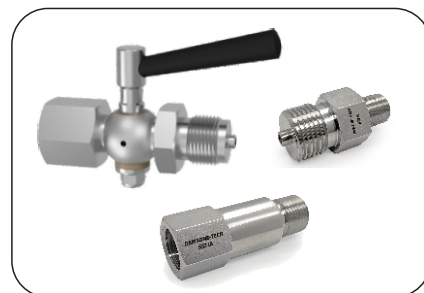
High Purity Fittings



Wellhead Grease / Bleed Fittings & Components



Instrumentation Valves



Gauge Cock & Accessories



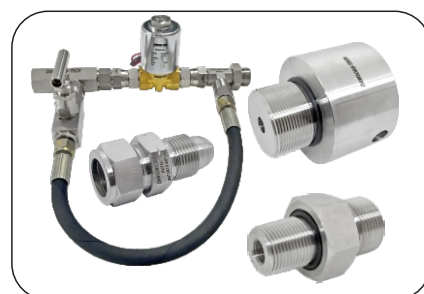
High Pressure Ball Valves



Check Valves



Quick Connect Couplings to ISO 16028 & ISO 7241-1 Series B



Customized Fittings and Valves

NOTES : _____



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LLPIN: AAN-0434

Catalogue No. GFS-21