














20,000 PSI MEDIUM PRESSURE TUBE FITTINGS & TUBING

FEATURES

- Pressure up to 20,000 psig (1379 bar)
- Coned-and-Threaded Connection
- Metal-to-metal seal provides perfect leak-tight service from critical vacuum to high pressure
- Anti-vibration connection components available
- Fittings are easy to disconnect and retighten
- Every fitting is stamped with size, material and heat code
- Available to NACE MR-01-75

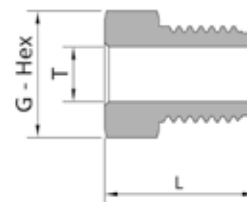


| CONFIGURATION | FITTING TYPE | EXAMPLE |
|---|-------------------------------|----------------|
|  | Gland | SS-G-2FH4 |
|  | Collar | SS-CO-2FH6 |
|  | Plug | SS-TP-2FH9 |
|  | Union Coupling | SS-U-2FH12 |
|  | Reducing Union Coupling | SS-U-2FH6-2FH4 |
|  | Union Coupling (Slip Type) | SS-SU-2FH16 |
|  | Bulkhead Coupling | SS-BU-2FH6 |
|  | Cap | SS-TC-2FH6 |
|  | Elbow | SS-LU-2FH9 |
|  | Tee | SS-TTT-2FH12 |
|  | Cross | SS-C-2FH4 |
|  | Anti-Vibration Gland Assembly | SS-AVGA-2FH9 |
|  | Coned and Threaded Nipple | SS-CTN-2FH6-8 |

20,000 PSI MEDIUM PRESSURE TUBE FITTINGS & TUBING

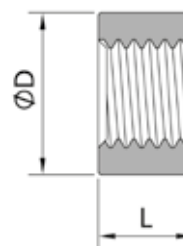
GLANDS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | |
|---------------------|------------|-----------------------|-------------|
| | | G | L |
| 1/4 | SS-G-2FH4 | 0.50 (12.7) | 0.58 (14.7) |
| 3/8 | SS-G-2FH6 | 0.63 (15.9) | 0.73 (18.5) |
| 9/16 | SS-G-2FH9 | 0.94 (23.8) | 0.88 (22.4) |
| 3/4 | SS-G-2FH12 | 1.19 (30.2) | 1.00 (25.4) |
| 1 | SS-G-2FH16 | 1.38 (34.9) | 1.38 (35.1) |



COLLARS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | |
|---------------------|-------------|-----------------------|-------------|
| | | D | L |
| 1/4 | SS-CO-2FH4 | 0.34 (9.7) | 0.22 (5.6) |
| 3/8 | SS-CO-2FH6 | 0.47 (11.9) | 0.25 (6.4) |
| 9/16 | SS-CO-2FH9 | 0.72 (18.3) | 0.31 (7.9) |
| 3/4 | SS-CO-2FH12 | 0.94 (23.8) | 0.37 (9.4) |
| 1 | SS-CO-2FH16 | 1.25 (31.8) | 0.50 (12.7) |



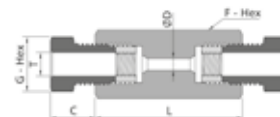
PLUGS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | |
|---------------------|-------------|-----------------------|-------------|
| | | D | L |
| 1/4 | SS-TP-2FH4 | 0.38 (9.7) | 0.94 (23.8) |
| 3/8 | SS-TP-2FH6 | 0.47 (11.9) | 1.18 (30.0) |
| 9/16 | SS-TP-2FH9 | 0.72 (18.3) | 1.40 (35.6) |
| 3/4 | SS-TP-2FH12 | 0.94 (23.8) | 1.69 (42.9) |
| 1 | SS-TP-2FH16 | 1.25 (31.8) | 2.20 (55.9) |



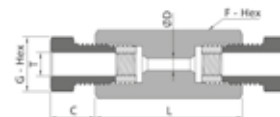
UNION COUPLINGS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | |
|---------------------|------------|-----------------------|-------------|-------------|-------------|-------------|
| | | L | C | D | G | F |
| 1/4 | SS-U-2FH4 | 1.62 (41.1) | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 0.63 (15.9) |
| 3/8 | SS-U-2FH6 | 1.75 (44.5) | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 0.75 (19.1) |
| 9/16 | SS-U-2FH9 | 2.12 (53.9) | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.8) | 1.00 (25.4) |
| 3/4 | SS-U-2FH12 | 2.50 (63.5) | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 1.38 (34.9) |
| 1 | SS-U-2FH16 | 3.50 (88.9) | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 1.75 (44.5) |



UNION COUPLINGS (SLIP TYPE)

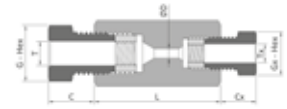
| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | |
|---------------------|-------------|-----------------------|-------------|-------------|-------------|-------------|
| | | L | C | D | G | F |
| 1/4 | SS-SU-2FH4 | 1.62 (41.1) | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 0.63 (15.9) |
| 3/8 | SS-SU-2FH6 | 1.75 (44.5) | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 0.75 (19.1) |
| 9/16 | SS-SU-2FH9 | 2.12 (53.9) | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.8) | 1.00 (25.4) |
| 3/4 | SS-SU-2FH12 | 2.50 (63.5) | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 1.38 (34.9) |
| 1 | SS-SU-2FH16 | 3.50 (88.9) | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 1.75 (44.5) |



20,000 PSI MEDIUM PRESSURE TUBE FITTINGS & TUBING

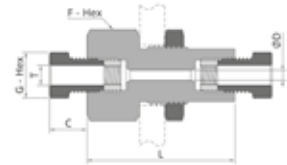
REDUCING UNION COUPLINGS

| T-Tube O.D. (in) | Tx - Tube O.D. (in) | # | Dimensions - in. (mm) | | | | | |
|------------------------|---------------------------|------------------|-----------------------|-------------|-------------|-------------|-------------|-------------|
| | | | L | C | Cx | D | G | Gx |
| 3/8 | 1/4 | SS-U-2FH6-2FH4 | 1.75 (44.5) | 0.44 (11.2) | 0.38 (9.7) | 0.11 (2.8) | 0.63 (15.9) | 0.50 (12.7) |
| 9/16 | 1/4 | SS-U-2FH9-2FH4 | 2.00 (50.8) | 0.53 (13.5) | 0.38 (9.7) | 0.11 (2.8) | 0.94 (23.8) | 0.50 (12.7) |
| 9/16 | 3/8 | SS-U-2FH9-2FH6 | 2.0 (50.8) | 0.53 (13.5) | 0.44 (11.2) | 0.20 (5.1) | 0.94 (23.8) | 0.63 (15.9) |
| 3/4 | 1/4 | SS-U-2FH12-2FH4 | 2.25 (57.2) | 0.62 (15.7) | 0.38 (9.7) | 0.11 (2.8) | 1.19 (30.2) | 0.50 (12.7) |
| 3/4 | 3/8 | SS-U-2FH12-2FH6 | 2.25 (57.2) | 0.62 (15.7) | 0.44 (11.2) | 0.20 (5.1) | 1.19 (30.2) | 0.63 (15.9) |
| 3/4 | 9/16 | SS-U-2FH12-2FH9 | 2.50 (63.5) | 0.62 (15.7) | 0.53 (13.5) | 0.31 (7.9) | 1.19 (30.2) | 0.94 (23.8) |
| 1 | 1/4 | SS-U-2FH16-2FH4 | 2.75 (69.9) | 0.72 (18.3) | 0.38 (9.7) | 0.11 (2.8) | 1.38 (34.9) | 0.50 (12.7) |
| 1 | 3/8 | SS-U-2FH16-2FH6 | 2.88 (73.0) | 0.72 (18.3) | 0.44 (11.2) | 0.20 (5.1) | 1.38 (34.9) | 0.63 (15.9) |
| 1 | 9/16 | SS-U-2FH16-2FH9 | 3.00 (76.2) | 0.72 (18.3) | 0.53 (13.5) | 0.31 (7.9) | 1.38 (34.9) | 0.94 (23.8) |
| 1 | 3/4 | SS-U-2FH16-2FH12 | 3.00 (76.2) | 0.72 (18.3) | 0.62 (15.7) | 0.44 (11.1) | 1.38 (34.9) | 1.19 (30.2) |



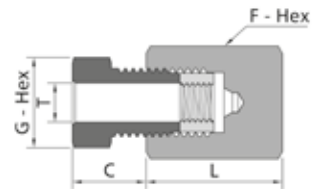
BULKHEAD COUPLINGS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | | | |
|------------------------|-------------|-----------------------|-------------|-------------|-------------|-------------|-----------------|----------------------|
| | | L | C | D | G | F | Panel hole size | Max. panel thickness |
| 1/4 | SS-BU-2FH4 | 1.88 (47.8) | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 1.00 (25.4) | 0.81 (20.6) | 0.38 (9.7) |
| 3/8 | SS-BU-2FH6 | 2.00 (50.8) | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 1.06 (27.0) | 0.94 (23.9) | 0.38 (9.7) |
| 9/16 | SS-BU-2FH9 | 2.38 (60.5) | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.8) | 1.38 (34.9) | 1.13 (28.6) | 0.38 (9.7) |
| 3/4 | SS-BU-2FH12 | 2.62 (66.5) | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 1.88 (47.6) | 1.69 (42.9) | 0.38 (9.7) |
| 1 | SS-BU-2FH16 | 3.50 (88.9) | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 2.13 (54.0) | 1.94 (49.3) | 0.38 (9.7) |



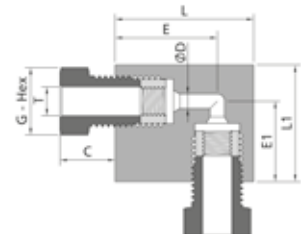
CAPS

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | |
|---------------------|-------------|-----------------------|-------------|-------------|-------------|
| | | L | C | G | F |
| 1/4 | SS-TC-2FH4 | 0.81 (20.6) | 0.38 (9.7) | 0.50 (12.7) | 0.63 (15.9) |
| 3/8 | SS-TC-2FH6 | 1.13 (28.6) | 0.44 (11.2) | 0.63 (15.9) | 0.75 (19.1) |
| 9/16 | SS-TC-2FH9 | 1.38 (34.9) | 0.53 (13.5) | 0.94 (23.8) | 1.00 (25.4) |
| 3/4 | SS-TC-2FH12 | 1.75 (44.5) | 0.62 (15.7) | 1.19 (30.2) | 1.38 (34.9) |
| 1 | SS-TC-2FH16 | 2.25 (57.2) | 0.72 (18.3) | 1.38 (34.9) | 1.75 (44.5) |



ELBOWS

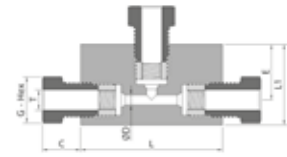
| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | | | |
|------------------------|-------------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | C | D | G | L | E | L1 | E1 |
| 1/4 | SS-LU-2FH4 | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 1.12 (28.4) | 0.75 (19.1) | 1.12 (28.4) | 0.75 (19.1) |
| 3/8 | SS-LU-2FH6 | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 1.38 (34.9) | 1.00 (25.4) | 1.38 (34.9) | 1.00 (25.4) |
| 9/16 | SS-LU-2FH9 | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.0) | 1.75 (44.5) | 1.25 (31.8) | 1.75 (44.5) | 1.25 (31.8) |
| 3/4 | SS-LU-2FH12 | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 2.25 (57.2) | 1.50 (38.1) | 2.25 (57.2) | 1.50 (38.1) |
| 1 | SS-LU-2FH16 | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 3.00 (76.2) | 2.06 (52.3) | 3.00 (76.2) | 2.06 (52.3) |



20,000 PSI MEDIUM PRESSURE TUBE FITTINGS & TUBING

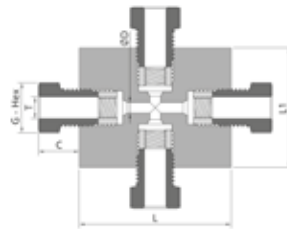
TEES

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | | | Thickness |
|------------------------|--------------|-----------------------|-------------|-------------|--------------|-------------|-------------|-------------|
| | | C | D | G | L | L1 | E | |
| 1/4 | SS-TTT-2FH4 | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 1.50 (38.1) | 1.12 (28.4) | 0.75 (19.1) | 0.63 (15.9) |
| 3/8 | SS-TTT-2FH6 | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 2.00 (50.8) | 1.38 (34.9) | 1.00 (25.4) | 0.75 (19.1) |
| 9/16 | SS-TTT-2FH9 | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.8) | 2.50 (63.5) | 1.75 (44.5) | 1.25 (31.8) | 1.00 (25.4) |
| 3/4 | SS-TTT-2FH12 | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 3.00 (76.2) | 2.25 (57.2) | 1.50 (38.1) | 1.38 (34.9) |
| 1 | SS-TTT-2FH16 | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 4.12 (104.6) | 3.00 (76.2) | 2.06 (52.3) | 1.75 (44.5) |



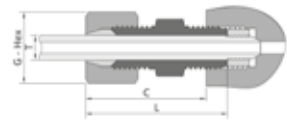
CROSSES

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | | | | | Thickness |
|------------------------|------------|-----------------------|-------------|-------------|--------------|--------------|-------------|-----------|
| | | C | D | G | L | L1 | | |
| 1/4 | SS-C-2FH4 | 0.38 (9.7) | 0.11 (2.8) | 0.50 (12.7) | 1.50 (38.1) | 1.50 (38.1) | 0.63 (15.9) | |
| 3/8 | SS-C-2FH6 | 0.44 (11.2) | 0.20 (5.1) | 0.63 (15.9) | 2.00 (50.8) | 2.00 (50.8) | 0.75 (19.1) | |
| 9/16 | SS-C-2FH9 | 0.53 (13.5) | 0.31 (7.9) | 0.94 (23.8) | 2.50 (63.5) | 2.50 (63.5) | 1.00 (25.4) | |
| 3/4 | SS-C-2FH12 | 0.62 (15.7) | 0.44 (11.1) | 1.19 (30.2) | 3.00 (76.2) | 3.00 (76.2) | 1.38 (34.9) | |
| 1 | SS-C-2FH16 | 0.72 (18.3) | 0.56 (14.3) | 1.38 (34.9) | 4.12 (104.6) | 4.12 (104.6) | 1.75 (44.5) | |



ANTI-VIBRATION GLAND ASSEMBLIES

| T-Tube O.D. (in) | # | Dimensions - in. (mm) | | |
|---------------------|---------------|-----------------------|-------------|-------------|
| | | L | C | G |
| 1/4 | SS-AVGA-2FH4 | 1.19 (30.2) | 0.94 (23.8) | 0.63 (15.9) |
| 3/8 | SS-AVGA-2FH6 | 1.50 (38.1) | 1.19 (30.2) | 0.81 (20.6) |
| 9/16 | SS-AVGA-2FH9 | 1.78 (45.2) | 1.41 (35.8) | 0.94 (23.8) |
| 3/4 | SS-AVGA-2FH12 | 2.00 (50.8) | 1.59 (40.4) | 1.25 (31.8) |
| 1 | SS-AVGA-2FH16 | 2.38 (60.5) | 1.69 (42.9) | 1.50 (38.1) |



20 SERIES TUBING

- Working pressure: 20000 psig (1379 bar)
- 316 and 304 stainless steel are standard materials. Other materials are available upon request
- Material, size and heat code are indicated on the tubing surface.

| T-Tube O.D. (in) | Tx - Tube O.D. (in) | Material | # | Tolerance O.D. in. (mm) |
|---------------------|------------------------|----------|-------------|----------------------------|
| 1/4 | 0.109 | 316 SS | SS-MT-2FH4 | 0.248/0.243 (6.30/6.17) |
| 1/4 | 0.109 | 304 SS | S4-MT-2FH4 | 0.248/0.243 (6.30/6.17) |
| 3/8 | 0.203 | 316 SS | SS-MT-2FH6 | 0.370/0.365 (9.40/9.27) |
| 3/8 | 0.203 | 304 SS | S4-MT-2FH6 | 0.370/0.365 (9.40/9.27) |
| 9/16 | 0.312 | 316 SS | SS-MT-2FH9 | 0.557/0.552 (14.15/14.02) |
| 9/16 | 0.312 | 304 SS | S4-MT-2FH9 | 0.557/0.552 (14.15/14.02) |
| 3/4 | 0.438 | 316 SS | SS-MT-2FH12 | 0.745/0.740 (18.92/18.80) |
| 3/4 | 0.438 | 304 SS | S4-MT-2FH12 | 0.745/0.740 (18.92/18.80) |
| 1 | 0.562 | 316 SS | SS-MT-2FH16 | 0.995/0.990 (25.27/25.14) |
| 1 | 0.562 | 304 SS | S4-MT-2FH16 | 0.995/0.990 (25.27/25.14) |



Add the actual foot (feet) / metre (metres) as a suffix to the basic Ordering number to get the complete Ordering number.



20,000 PSI MEDIUM PRESSURE TUBE FITTINGS & TUBING

CONED & THREADED NIPPLES

| T-Tube O.D. (in) | Tx - Tube O.D. (in) | # | L in. (mm) |
|------------------|---------------------|------------------|-------------|
| 1/4 | 0.109 | SS-CTN-2FH4-2.75 | 2.75 (69.9) |
| 1/4 | 0.109 | SS-CTN-2FH4-3 | 3 (76.2) |
| 1/4 | 0.109 | SS-CTN-2FH4-4 | 4 (101.6) |
| 1/4 | 0.109 | SS-CTN-2FH4-6 | 6 (152.4) |
| 1/4 | 0.109 | SS-CTN-2FH4-8 | 8 (203.2) |
| 1/4 | 0.109 | SS-CTN-2FH4-10 | 10 (254.0) |
| 1/4 | 0.109 | SS-CTN-2FH4-12 | 12 (304.8) |
| 3/8 | 0.203 | SS-CTN-2FH6-3 | 3 (76.2) |
| 3/8 | 0.203 | SS-CTN-2FH6-4 | 4 (101.6) |
| 3/8 | 0.203 | SS-CTN-2FH6-6 | 6 (152.4) |
| 3/8 | 0.203 | SS-CTN-2FH6-8 | 8 (203.2) |
| 3/8 | 0.203 | SS-CTN-2FH6-10 | 10 (254.0) |
| 3/8 | 0.203 | SS-CTN-2FH6-12 | 12 (304.8) |
| 9/16 | 0.312 | SS-CTN-2FH9-4 | 4 (101.6) |
| 9/16 | 0.312 | SS-CTN-2FH9-6 | 6 (152.4) |
| 9/16 | 0.312 | SS-CTN-2FH9-8 | 8 (203.2) |
| 9/16 | 0.312 | SS-CTN-2FH9-10 | 10 (254.0) |
| 9/16 | 0.312 | SS-CTN-2FH9-12 | 12 (304.8) |
| 3/4 | 0.438 | SS-CTN-2FH12-4 | 4 (101.6) |
| 3/4 | 0.438 | SS-CTN-2FH12-6 | 6 (152.4) |
| 3/4 | 0.438 | SS-CTN-2FH12-8 | 8 (203.2) |
| 3/4 | 0.438 | SS-CTN-2FH12-10 | 10 (254.0) |
| 3/4 | 0.438 | SS-CTN-2FH12-12 | 12 (304.8) |
| 1 | 0.562 | SS-CTN-2FH16-6 | 6 (152.4) |
| 1 | 0.562 | SS-CTN-2FH16-8 | 8 (203.2) |
| 1 | 0.562 | SS-CTN-2FH16-10 | 10 (254.0) |
| 1 | 0.562 | SS-CTN-2FH16-12 | 12 (304.8) |



PART NUMBER DESCRIPTION

SS - SU - 2FH 16 - [] - [] - []

| MATERIAL | FITTING TYPE | P1 CONNECTION TYPE | P1 SIZE | P3 & P4 |
|-------------|---|--|--|---|
| SS 316 SS | G Gland CO Collar TP Plug U Union Coupling U Reducing Union Coupling SU Union Coupling (Slip Type) BU Bulkhead Coupling TC Cap LU Elbow TTT Tee C Cross AVGA Anti-Vibration Gland Assembly CTN Coned and Threaded Nipple | 2FH 20 Series Fractional Tube 6FH 60 Series Fractional Tube | 4 1/4" 6 3/8" 9 9/16" 12 3/4" 16 1" | Specify in the way same way as the P1 |

NB: "Part Number Description" is used for composition rules of FITOK product model, not suitable for specific product part number selection, not random combinations. If in doubt, please contact Abdex.

P1, P2, P3 and P4 shall be described in the following orders:

- Describe in descending order as per size if the end Connection types are the same
- Describe the end of P1 if all end connections are the same.