

# Tubular Fittings

## T Series

### Features

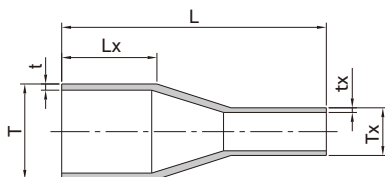
- ◎ 316L SS
- ◎ Sizes range from 1/4" to 2"
- ◎ Available in a variety of configurations



### Process Specification

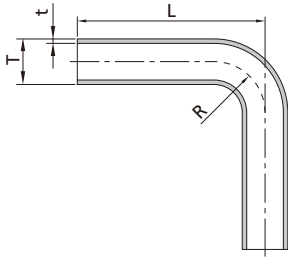
Item	Process Specification	Standard Cleaning and Packaging Process (FC-01) Special Cleaning and Packaging Process (FC-02)	Ultra High Purity Process (FC-03)
	Material	316L SS	
Wetted Surface Roughness	Ra 15 µin. (0.38 µm)		Ra 10 µin. (0.25 µm)
Polishing Process	Machine finished		Electropolished

### Concentric Reducings



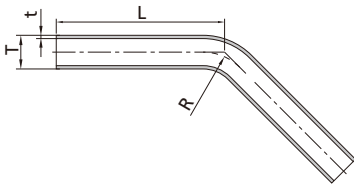
Fractional								
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Tx-Tube O.D. (in.)	tx-Wall Thickness (in.)	Ordering Number	Dimensions, in. (mm)		Working Pressure psig (bar)	
					L	Lx		
3/8	0.035	1/4	0.035	6L-WU3-TB6-TB4	2.75 (69.9)	1.37 (34.8)	3300 (230)	
1/2	0.049	1/4	0.035	6L-WU3-TB8-TB4	2.75 (69.9)	1.37 (34.8)	3700 (255)	
1/2	0.049	3/8	0.035	6L-WU3-TB8-TB6	2.75 (69.9)	1.37 (34.8)	3700 (255)	
3/4	0.065	1/4	0.035	6L-WU3-TB12-TB4	2.13 (54.0)	0.75 (19.1)	3330 (230)	
3/4	0.065	3/8	0.035	6L-WU3-TB12-TB6	2.13 (54.0)	0.75 (19.1)	3330 (230)	
3/4	0.065	1/2	0.049	6L-WU3-TB12-TB8	2.13 (54.0)	0.75 (19.1)	3330 (230)	
1	0.065	1/4	0.035	6L-WU3-TB16-TB4	2.36 (60.0)	1.00 (25.4)	2420 (167)	
1	0.065	3/8	0.035	6L-WU3-TB16-TB6	2.36 (60.0)	1.00 (25.4)	2420 (167)	
1	0.065	1/2	0.049	6L-WU3-TB16-TB8	2.36 (60.0)	1.00 (25.4)	2420 (167)	
1	0.065	3/4	0.065	6L-WU3-TB16-TB12	2.64 (67.0)	0.75 (19.1)	2420 (167)	
1 1/2	0.065	1/4	0.035	6L-WU3-TB24-TB4	2.87 (73.0)	1.50 (38.1)	1550 (107)	
1 1/2	0.065	3/8	0.035	6L-WU3-TB24-TB6	2.87 (73.0)	1.50 (38.1)	1550 (107)	
1 1/2	0.065	1/2	0.049	6L-WU3-TB24-TB8	2.87 (73.0)	1.50 (38.1)	1550 (107)	
1 1/2	0.065	3/4	0.065	6L-WU3-TB24-TB12	3.15 (80.0)	1.50 (38.1)	1550 (107)	
1 1/2	0.065	1	0.065	6L-WU3-TB24-TB16	3.15 (80.0)	1.50 (38.1)	1550 (107)	
2	0.065	1/4	0.035	6L-WU3-TB32-TB4	2.87 (73.0)	1.12 (28.6)	1160 (80)	
2	0.065	3/8	0.035	6L-WU3-TB32-TB6	2.87 (73.0)	1.50 (38.1)	1160 (80)	
2	0.065	1/2	0.049	6L-WU3-TB32-TB8	2.87 (73.0)	1.50 (38.1)	1160 (80)	
2	0.065	3/4	0.065	6L-WU3-TB32-TB12	3.15 (80.0)	1.50 (38.1)	1160 (80)	
2	0.065	1	0.065	6L-WU3-TB32-TB16	3.15 (80.0)	1.50 (38.1)	1160 (80)	
2	0.065	1 1/2	0.065	6L-WU3-TB32-TB24	3.54 (90.0)	1.50 (38.1)	1160 (80)	

### 90° Elbows



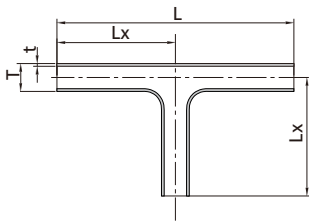
Fractional					
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Ordering Number	Dimensions, in. (mm)		Working Pressure psig (bar)
			L	R	
1/4	0.035	6L-WL3-TB4	1.97 (50)	0.56 (14.2)	5150 (355)
3/8	0.035	6L-WL3-TB6	2.05 (52.0)	0.91 (23.0)	3330 (230)
1/2	0.049	6L-WL3-TB8	2.13 (54.0)	0.75 (19.05)	3530 (243)
3/4	0.065	6L-WL3-TB12	2.60 (66.0)	1.12 (28.4)	3330 (230)
1	0.065	6L-WL3-TB16	2.72 (69.0)	1.50 (38.1)	2420 (167)
1 1/2	0.065	6L-WL3-TB24	3.75 (95.3)	2.25 (57.15)	1550 (107)
2	0.065	6L-WL3-TB32	4.84 (123.0)	3.00 (76.2)	1160 (80)

### 45° Elbows



Fractional					
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Ordering Number	Dimensions, in. (mm)		Working Pressure psig (bar)
			L	R	
1/4	0.035	6L-WV3-TB4	1.50 (38.0)	1.56 (14.2)	5150 (355)
3/8	0.035	6L-WV3-TB6	1.54 (39.0)	0.94 (23.8)	3330 (230)
1/2	0.049	6L-WV3-TB8	1.57 (40.0)	0.75 (19.05)	3530 (243)
3/4	0.065	6L-WV3-TB12	1.93 (49.0)	1.12 (28.4)	3330 (230)
1	0.065	6L-WV3-TB16	1.97 (50.0)	1.50 (38.1)	2420 (167)
1 1/2	0.065	6L-WV3-TB24	2.76 (70.0)	2.25 (57.15)	1550 (107)
2	0.065	6L-WV3-TB32	3.07 (78.0)	3.00 (76.2)	1160 (80)

### Tees



Fractional					
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Ordering Number	Dimensions, in. (mm)		Working Pressure psig (bar)
			L	Lx	
1/4	0.035	6L-WT3-TB4	3.54 (90.0)	1.77 (45.0)	5150 (355)
3/8	0.035	6L-WT3-TB6	3.54 (90.0)	1.77 (45.0)	3330 (230)
1/2	0.049	6L-WT3-TB8	3.54 (90.0)	1.77 (45.0)	3530 (243)
3/4	0.065	6L-WT3-TB12	4.09 (104.0)	2.05 (52.0)	3330 (230)
1	0.065	6L-WT3-TB16	4.33 (110.0)	2.17 (55.0)	2420 (167)
1 1/2	0.065	6L-WT3-TB24	4.75 (120.6)	2.37 (60.3)	1550 (107)
2	0.065	6L-WT3-TB32	6.06 (154.0)	3.03 (77.0)	1160 (80)

Fittings

Valves

Regulators

Filters

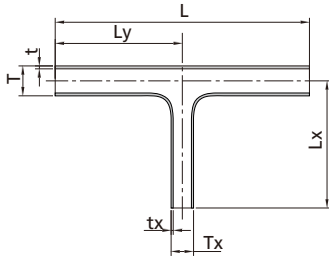
Tubing

Integrated Systems

Other Products

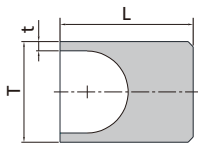
Technical Information

## Reducing Tees

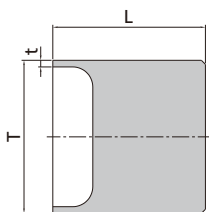


Fractional									
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Tx-Tube O.D. (in.)	tx-Wall Thickness (in.)	Ordering Number	Dimensions, in. (mm)			Working Pressure psig (bar)	
					L	Lx	Ly		
3/8	0.035	1/4	0.035	6L-WT3-TB6-TB6-TB4	3.54 (90.0)	1.77 (45.0)	1.77 (45.0)	3330 (230)	
1/2	0.049	1/4	0.035	6L-WT3-TB8-TB8-TB4	3.54 (90.0)	1.77 (45.0)	1.77 (45.0)	3530 (243)	
1/2	0.049	3/8	0.035	6L-WT3-TB8-TB8-TB6	3.54 (90.0)	1.77 (45.0)	1.77 (45.0)	3330 (230)	
3/4	0.065	1/4	0.035	6L-WT3-TB12-TB12-TB4	3.70 (94.0)	1.73 (44.0)	1.85 (47.0)	3330 (230)	
3/4	0.065	3/8	0.035	6L-WT3-TB12-TB12-TB6	3.70 (94.0)	1.85 (47.0)	1.85 (47.0)	3330 (230)	
3/4	0.065	1/2	0.049	6L-WT3-TB12-TB12-TB8	3.70 (94.0)	1.73 (44.0)	1.85 (47.0)	3330 (230)	
1	0.065	1/4	0.035	6L-WT3-TB16-TB16-TB4	3.70 (94.0)	1.85 (47.0)	1.85 (47.0)	2420 (167)	
1	0.065	3/8	0.035	6L-WT3-TB16-TB16-TB6	3.70 (94.0)	1.85 (47.0)	1.85 (47.0)	2420 (167)	
1	0.065	1/2	0.049	6L-WT3-TB16-TB16-TB8	3.70 (94.0)	1.85 (47.0)	1.85 (47.0)	2420 (167)	
1	0.065	3/4	0.065	6L-WT3-TB16-TB16-TB12	4.33 (110.0)	2.17 (55.0)	2.17 (55.0)	2420 (167)	
1 1/2	0.065	1/4	0.035	6L-WT3-TB24-TB24-TB4	4.49 (114.0)	2.24 (57.0)	2.24 (57.0)	1550 (107)	
1 1/2	0.065	3/8	0.035	6L-WT3-TB24-TB24-TB6	4.49 (114.0)	2.24 (57.0)	2.24 (57.0)	1550 (107)	
1 1/2	0.065	1/2	0.049	6L-WT3-TB24-TB24-TB8	4.49 (114.0)	2.13 (54.0)	2.24 (57.0)	1550 (107)	
1 1/2	0.065	3/4	0.065	6L-WT3-TB24-TB24-TB12	5.35 (136.0)	2.44 (62.0)	2.68 (68.0)	1550 (107)	
1 1/2	0.065	1	0.065	6L-WT3-TB24-TB24-TB16	5.35 (136.0)	2.68 (68.0)	2.68 (68.0)	1550 (107)	
2	0.065	1/4	0.035	6L-WT3-TB32-TB32-TB4	4.49 (114.0)	2.24 (57.0)	2.24 (57.0)	1160 (80)	
2	0.065	3/8	0.035	6L-WT3-TB32-TB32-TB6	4.49 (114.0)	2.24 (57.0)	2.24 (57.0)	1160 (80)	
2	0.065	1/2	0.049	6L-WT3-TB32-TB32-TB8	4.49 (114.0)	2.24 (57.0)	2.24 (57.0)	1160 (80)	
2	0.065	3/4	0.065	6L-WT3-TB32-TB32-TB12	5.35 (136.0)	2.68 (68.0)	2.68 (68.0)	1160 (80)	
2	0.065	1	0.065	6L-WT3-TB32-TB32-TB16	5.35 (136.0)	2.68 (68.0)	2.68 (68.0)	1160 (80)	
2	0.065	1 1/2	0.065	6L-WT3-TB32-TB32-TB24	6.06 (154.0)	3.03 (77.0)	3.03 (77.0)	1160 (80)	

## End Caps



Tube O.D. < 1/2 in.



Tube O.D. ≥ 1/2 in.

Fractional				
T-Tube O.D. (in.)	t-Wall Thickness (in.)	Ordering Number	Dimension, in. (mm)	Working Pressure psig (bar)
			L	
1/4	0.035	6L-CW3-TB4	0.50 (12.7)	5150 (355)
3/8	0.035	6L-CW3-TB6	0.50 (12.7)	3330 (230)
1/2	0.049	6L-CW3-TB8	0.50 (12.7)	3530 (243)
3/4	0.065	6L-CW3-TB12	0.75 (19.1)	3330 (230)
1	0.065	6L-CW3-TB16	1.00 (25.4)	2420 (167)
1 1/2	0.065	6L-CW3-TB24	1.50 (38.1)	1550 (107)
2	0.065	6L-CW3-TB32	1.50 (38.1)	1160 (80)

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