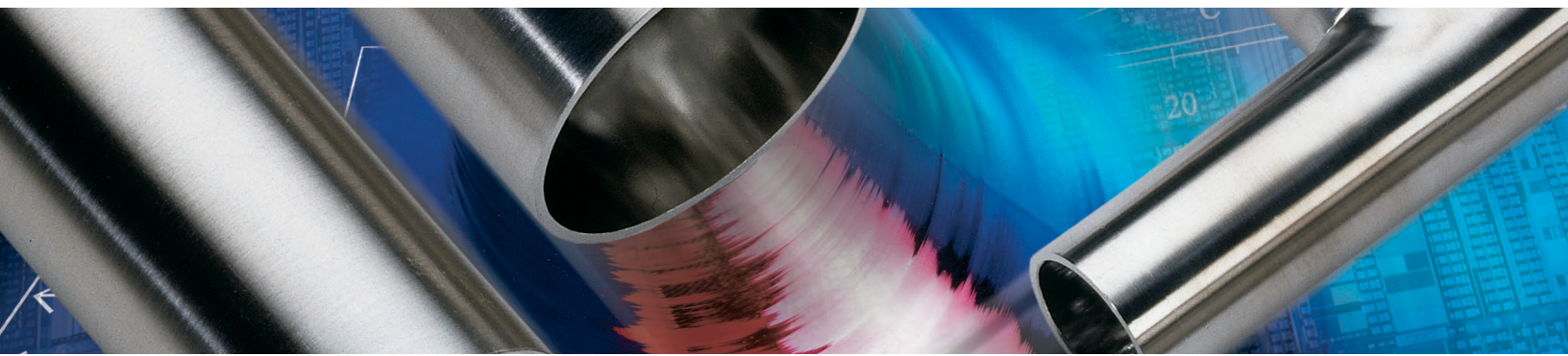


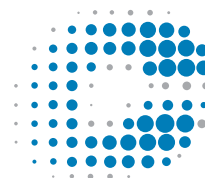
CARDINAL
UHP



Ultra High Purity Tubing And Fittings Dimensional Specifications

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Part Description System

Outside Diameter Designations:

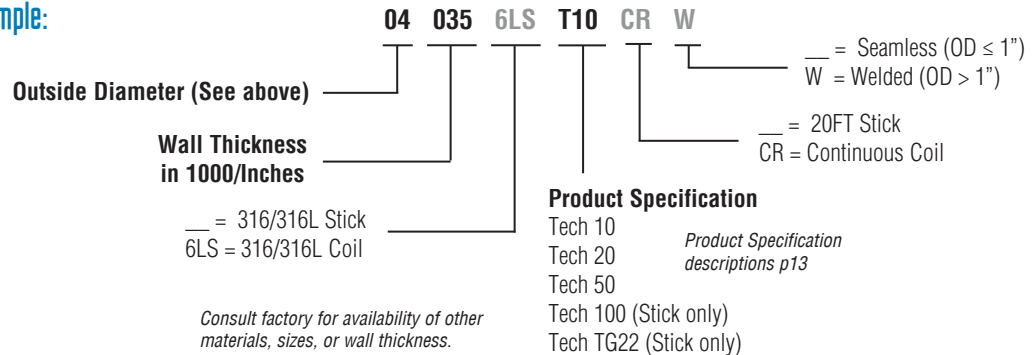
02 = 1/8"	16 = 1"
04 = 1/4"	24 = 1 1/2"
06 = 3/8"	32 = 2"
08 = 1/2"	48 = 3"
12 = 3/4"	64 = 4"

Cap Color Code:

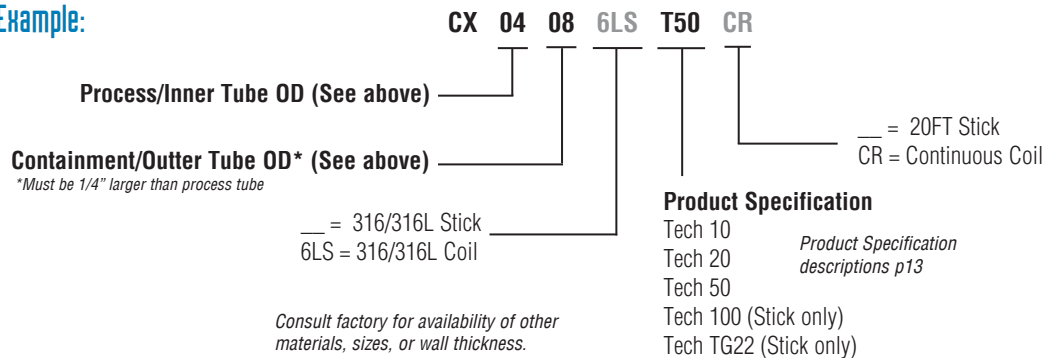
○ Tech 10 (white)
○ Tech 20 (white)
● Tech 50 (blue)
● Tech 100 (blue)
● Tech TG22 (yellow)

Product Specification descriptions p13

Single Wall Tube Example:

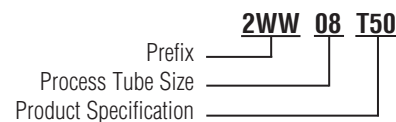


Coaxial Tube Example:

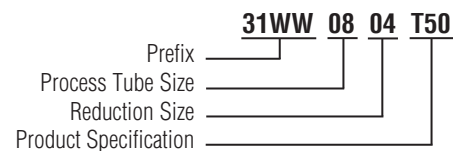


Fitting Example:

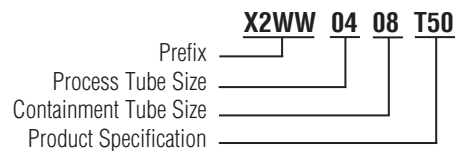
90° Elbow = 2WW
45° Elbow = 3WW
Equal Tee = 7WWW
End Cap = 16W



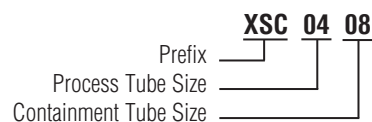
Concentric Reducer = 31WW
Reducing Tee = 7RWWW
Coaxial Reducing Tee = X7RWWW



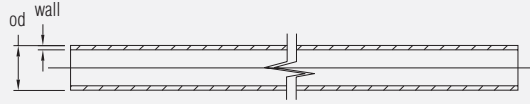
Coaxial 90° Elbow = X2WW
Coaxial 45° Elbow = X3WW
Coaxial Equal Tee = X7WWW
Coaxial Starter Piece = XSP
Purge Tee w/VCR = XPT
Purge Tee w/Two VCR = XPTV



Coaxial Sleeve Coupling* = XSC
Coaxial Termination* = XTM



Tubing Specifications

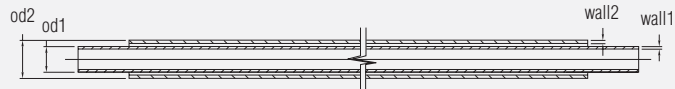


To complete part number see page (2)

part no.	material	dimensions				product specifications				
		od	wall	lb/ft	kg/m	T10	T20	T50	T100	T622
04035__	316L SS SMLS	.250	.035	.080	.180	●	●	●	●	
04035TG22	Hastelloy® C22 SMLS	.250	.035	.080	.180					●
06035__	316L SS SMLS	.375	.035	.130	.290	●	●	●	●	
06035TG22	Hastelloy® C22 SMLS	.375	.035	.130	.290					●
08049__	316L SS SMLS	.500	.049	.240	.530	●	●	●	●	
08049TG22	Hastelloy® C22 SMLS	.500	.049	.240	.530					●
12065__	316L SS SMLS	.750	.065	.480	1.06	●	●	●	●	
16065__W	316L SS WLD	1.00	.065	.650	1.43	●	●	●		
16065__	316L SS SMLS	1.00	.065	.650	1.43	●	●	●	●	
24065__W	316L SS WLD	1.50	.065	1.00	2.21	●	●	●		
32065__W	316L SS WLD	2.00	.065	1.34	2.95	●	●	●		
48065__W	316L SS WLD	3.00	.065	2.03	4.48	●	●	●		
64083__W	316L SS WLD	4.00	.083	3.47	7.65	●	●	●		

Consult factory for availability of other materials, sizes, or wall thickness.

Coaxial Tubing Specifications

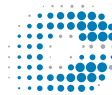


To complete part number see page (2)

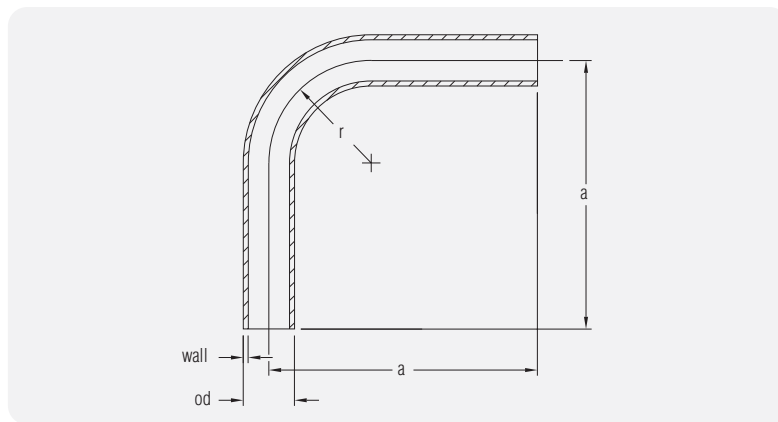
Complete part number see page (2)

		dimensions						product specifications				
part no.	process tube	process od1	wall1	contain od2	wall2	lb/ft	kg/m	T10	T20	T50	T100	T622
CX0408T_	316L SS SMLS	.250	.035	.500	.049	.320	.706	●	●	●	●	
CX0408TG22	Hastelloy® C22 SMLS	.250	.035	.500	.049	.320	.706					●
CX0610T_	316L SS SMLS	.375	.035	.625	.049	.490	1.08	●	●	●	●	
CX0610TG22	Hastelloy C22 SMLS	.375	.035	.625	.049	.490	1.08					●
CX0812T_	316L SS SMLS	.500	.049	.750	.065	.720	1.59	●	●	●	●	
CX0812TG22	Hastelloy C22 SMLS	.500	.049	.750	.065	.720	1.59					●
CX1216T_	316L SS SMLS	.750	.065	1.00	.065	1.13	2.49	●	●	●	●	
CX1620T_	316L SS SMLS	1.00	.265	1.25	.065	1.52	3.35	●	●	●	●	

Consult factory for availability of coaxial tubing with seamless containment tube.



90° Elbow 2WW

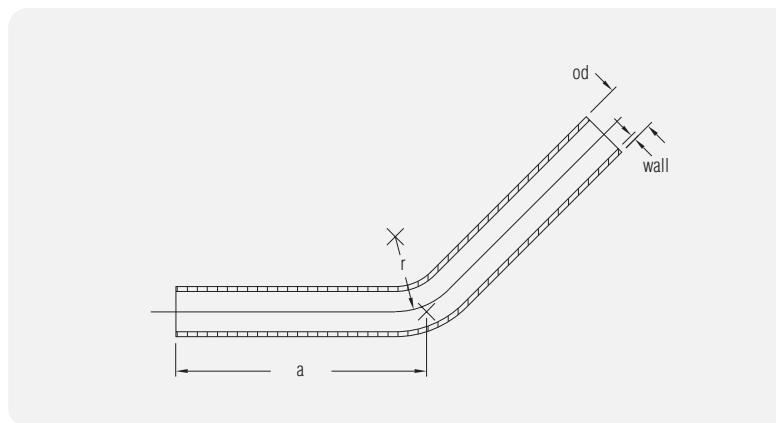


To complete part number add
product specification.

Example: 2WW04T50

part no.	material	dimensions						product specifications				
		od	wall	a	r	a mm	r mm	10	20	50	100	T622
2WW04T_	316L SS SMLS	.250	.035	2.625	.620	66.7	15.9	●	●	●		
2WW06T_	316L SS SMLS	.375	.035	2.625	1.00	66.7	25.4	●	●	●		
2WW08T_	316L SS SMLS	.500	.049	3.00	1.13	76.2	28.6	●	●	●		
2WW12T_	316L SS SMLS	.750	.065	3.00	1.13	76.2	28.6	●	●	●		
2WW16T_	316L SS SMLS	1.00	.065	3.00	1.50	76.2	38.1	●	●	●		
2WW24T_W	316L SS WLD	1.50	.065	3.75	2.25	95.3	57.2	●	●	●		
2WW32T_W	316L SS WLD	2.00	.065	4.75	3.00	120.7	76.2	●	●	●		
2WW48T_W	316L SS WLD	3.00	.065	6.25	4.50	158.8	114.3	●	●	●		
2WW64T_W	316L SS WLD	4.00	.083	8.00	6.00	203.2	152.4	●	●	●		

45° Elbow 3WW

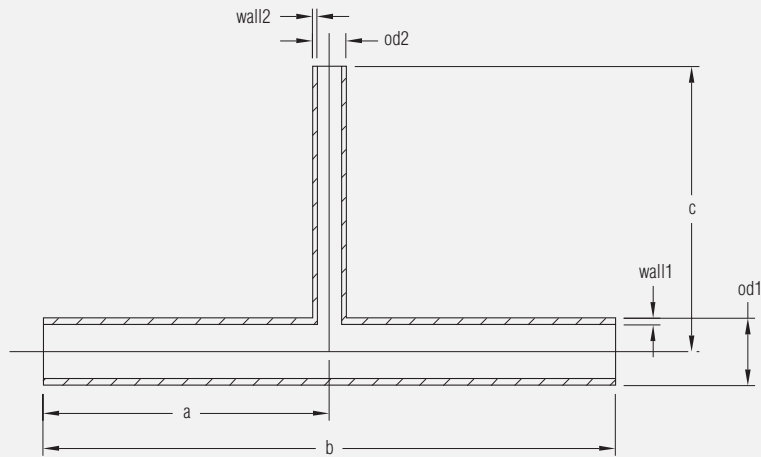


To complete part number add
product specification.

Example: 3WW04T50

part no.	material	dimensions						product specifications				
		od	wall	a	r	a mm	r mm	10	20	50	100	T622
3WW04T_	316L SS SMLS	.250	.035	2.00	.620	50.8	15.75	●	●	●		
3WW06T_	316L SS SMLS	.375	.035	2.00	1.00	50.8	25.4	●	●	●		
3WW08T_	316L SS SMLS	.500	.049	2.25	1.13	57.2	28.6	●	●	●		
3WW12T_	316L SS SMLS	.750	.065	2.25	1.13	57.2	28.6	●	●	●		
3WW16T_	316L SS SMLS	1.00	.065	2.25	1.50	57.2	38.1	●	●	●		
3WW24T_W	316L SS WLD	1.50	.065	2.50	2.25	63.5	57.2	●	●	●		
3WW32T_W	316L SS WLD	2.00	.065	3.00	3.00	76.2	76.2	●	●	●		
3WW48T_W	316L SS WLD	3.00	.065	3.625	4.50	92.1	114.3	●	●	●		
3WW64T_W	316L SS WLD	4.00	.083	4.50	6.00	114.3	152.4	●	●	●		

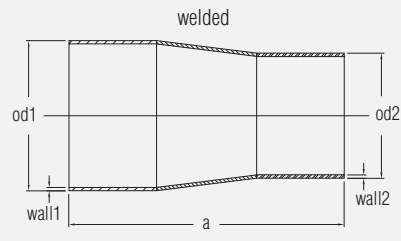
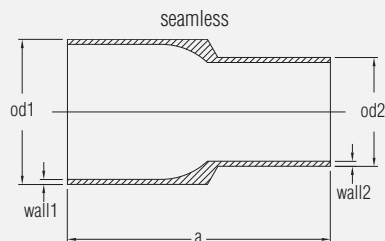
Reducing Tee 7RWWW



To complete part number add
product specification.
Example: 7RWWW0604T50

part no.	material	dimensions										product specifications				
		od1	od2	wall1	wall2	a	b	c	a mm	b mm	c mm	10	20	50	100	T622
7RWWW0604T_	316L SS SMLS	.375	.250	.035	.035	1.75	3.50	1.75	45	89	45	●	●	●		
7RWWW0804T_	316L SS SMLS	.500	.250	.049	.035	1.875	3.75	1.875	48	95	48	●	●	●		
7RWWW0806T_	316L SS SMLS	.500	.375	.049	.035	1.875	3.75	1.875	48	95	48	●	●	●		
7RWWW1204T_	316L SS SMLS	.750	.250	.065	.035	2.00	4.00	2.00	51	102	51	●	●	●		
7RWWW1206T_	316L SS SMLS	.750	.375	.065	.035	2.00	4.00	2.00	51	102	51	●	●	●		
7RWWW1208T_	316L SS SMLS	.750	.500	.065	.049	2.00	4.00	2.00	51	102	51	●	●	●		
7RWWW1604T_	316L SS SMLS	1.00	.250	.065	.035	2.125	4.25	2.125	54	108	54	●	●	●		
7RWWW1606T_	316L SS SMLS	1.00	.375	.065	.035	2.125	4.25	2.125	54	108	54	●	●	●		
7RWWW1608T_	316L SS SMLS	1.00	.500	.065	.049	2.125	4.25	2.125	54	108	54	●	●	●		
7RWWW1612T_	316L SS SMLS	1.00	.750	.065	.065	2.125	4.25	2.125	54	108	54	●	●	●		
7RWWW2408T_W	316L SS WLD	1.50	.500	.065	.049	2.375	4.75	2.375	60	121	60	●	●	●		
7RWWW2412T_W	316L SS WLD	1.50	.750	.065	.065	2.375	4.75	2.375	60	121	60	●	●	●		
7RWWW2416T_W	316L SS WLD	1.50	1.00	.065	.065	2.375	4.75	2.375	60	121	60	●	●	●		
7RWWW3208T_W	316L SS WLD	2.00	.500	.065	.049	2.875	5.75	2.625	67	146	67	●	●	●		
7RWWW3212T_W	316L SS WLD	2.00	.750	.065	.065	2.875	5.75	2.625	67	146	67	●	●	●		
7RWWW3216T_W	316L SS WLD	2.00	1.00	.065	.065	2.875	5.75	2.625	67	146	67	●	●	●		
7RWWW3224T_W	316L SS WLD	2.00	1.50	.065	.065	2.875	5.75	2.625	67	146	67	●	●	●		
7RWWW4816T_W	316L SS WLD	3.00	1.00	.065	.065	3.375	6.75	3.125	79	172	79	●	●	●		
7RWWW4824T_W	316L SS WLD	3.00	1.50	.065	.065	3.375	6.75	3.125	79	172	79	●	●	●		
7RWWW4832T_W	316L SS WLD	3.00	2.00	.065	.065	3.375	6.75	3.125	79	172	79	●	●	●		
7RWWW6416T_W	316L SS WLD	4.00	1.00	.083	.065	3.375	8.25	3.625	92	210	92	●	●	●		
7RWWW6424T_W	316L SS WLD	4.00	1.50	.083	.065	3.375	8.25	3.625	92	210	92	●	●	●		
7RWWW6432T_W	316L SS WLD	4.00	2.00	.083	.065	4.125	8.25	3.875	98	210	98	●	●	●		
7RWWW6448T_W	316L SS WLD	4.00	3.00	.083	.065	4.125	8.25	3.875	98	210	98	●	●	●		

Concentric Reducer 31WW

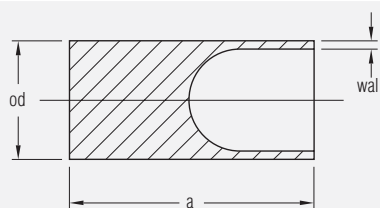


To complete part number add
product specification.

Example: 31WW0604T50

part no.	material	dimensions					product specifications				
		od1	od2	wall1	wall2	a	10	20	50	100	T622
31WW0604T	316L SS SMLS	.375	.250	.035	.035	1.625	●	●	●		
31WW0804T	316L SS SMLS	.500	.250	.049	.035	1.875	●	●	●		
31WW0806T	316L SS SMLS	.500	.375	.049	.035	1.875	●	●	●		
31WW1204T	316L SS SMLS	.750	.250	.065	.035	1.875	●	●	●		
31WW1206T	316L SS SMLS	.750	.375	.065	.035	1.875	●	●	●		
31WW1208T	316L SS SMLS	.750	.500	.065	.049	1.875	●	●	●		
31WW1604T	316L SS SMLS	1.00	.250	.065	.035	2.125	●	●	●		
31WW1606T	316L SS SMLS	1.00	.375	.065	.035	2.125	●	●	●		
31WW1608T	316L SS SMLS	1.00	.500	.065	.049	2.125	●	●	●		
31WW1612T	316L SS SMLS	1.00	.750	.065	.065	2.125	●	●	●		
31WW2416T_W	316L SS WLD	1.50	1.00	.065	.065	2.25	●	●	●		
31WW3216T_W	316L SS WLD	2.00	1.00	.065	.065	2.75	●	●	●		
31WW3224T_W	316L SS WLD	2.00	1.50	.065	.065	2.75	●	●	●		
31WW4816T_W	316L SS WLD	3.00	1.00	.065	.065	4.25	●	●	●		
31WW4824T_W	316L SS WLD	3.00	1.50	.065	.065	4.25	●	●	●		
31WW4832T_W	316L SS WLD	3.00	2.00	.065	.065	4.25	●	●	●		
31WW6416T_W	316L SS WLD	4.00	1.00	.083	.065	5.00	●	●	●		
31WW6424T_W	316L SS WLD	4.00	1.50	.083	.065	5.00	●	●	●		
31WW6432T_W	316L SS WLD	4.00	2.00	.083	.065	5.00	●	●	●		
31WW6448T_W	316L SS WLD	4.00	3.00	.083	.065	5.00	●	●	●		

End Cap 16W

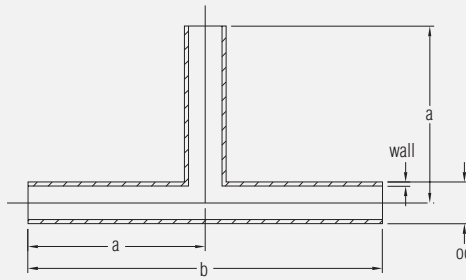


To complete part number add
product specification.

Example: 16W04T50

part no.	material	dimensions				product specifications				
		od	wall	a	a mm	10	20	50	100	T622
16W04T	316L SS SMLS	.250	.035	1.375	35	●	●	●		
16W06T	316L SS SMLS	.375	.035	1.75	44	●	●	●		
16W08T	316L SS SMLS	.500	.049	1.75	44	●	●	●		
16W12T	316L SS SMLS	.750	.065	1.75	44	●	●	●		
16W16T	316L SS SMLS	1.00	.065	1.75	44	●	●	●		
16W24T_W	316L SS WLD	1.50	.065	2.00	51	●	●	●		
16W32T_W	316L SS WLD	2.00	.065	2.00	51	●	●	●		
16W48T_W	316L SS WLD	3.00	.065	2.00	51	●	●	●		
16W64T_W	316L SS WLD	4.00	.083	2.50	51	●	●	●		

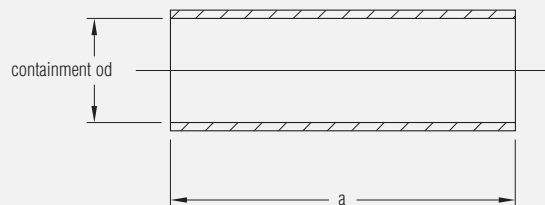
Equal Tee 7WWW



To complete part number add
product specification.
Example: 7WWW04T50

part no.	material	dimensions						product specifications				
		od	wall	a	b	a mm	b mm	10	20	50	100	T622
7WWW04T_	316L SS SMLS	.250	.035	1.75	3.50	45	89	●	●	●		
7WWW06T_	316L SS SMLS	.375	.035	1.75	3.50	45	89	●	●	●		
7WWW08T_	316L SS SMLS	.500	.049	1.875	3.75	48	95	●	●	●		
7WWW12T_	316L SS SMLS	.750	.065	2.00	4.00	51	102	●	●	●		
7WWW16T_	316L SS SMLS	1.00	.065	2.125	4.25	54	108	●	●	●		
7WWW24T_W	316L SS WLD	1.50	.065	2.375	4.75	60	121	●	●	●		
7WWW32T_W	316L SS WLD	2.00	.065	2.875	5.75	73	146	●	●	●		
7WWW48T_W	316L SS WLD	3.00	.065	3.375	6.75	86	172	●	●	●		
7WWW64T_W	316L SS WLD	4.00	.083	4.125	8.25	105	210	●	●	●		

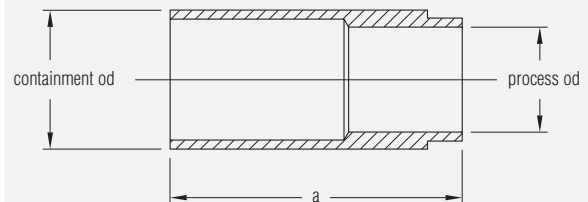
Coaxial Sleeve Coupling XSC



part no.	process tube	dimensions		
		contain od	a	a mm
XSC0408	316L SS SMLS	.500	2.50	63
XSC0610	316L SS SMLS	.625	2.50	63
XSC0812	316L SS SMLS	.750	2.50	63
XSC1216	316L SS SMLS.	1.00	3.50	89
XSC1620	316L SS SMLS	1.25	3.50	89

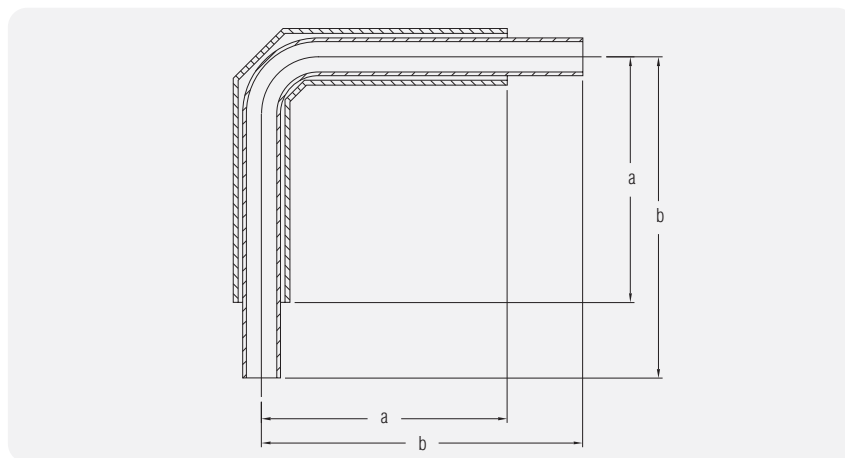
Consult factory for extended lengths.

Coaxial Termination XTM



part no.	process tube	dimensions			
		process od	contain od	a	a mm
XTM0408	316L SS SMLS	.250	.500	1.25	32
XTM0610	316L SS SMLS	.375	.625	1.25	32
XTM0812	316L SS SMLS	.500	.750	1.25	32
XTM1216	316L SS SMLS	.750	1.00	2.00	51
XTM1620	316L SS SMLS	1.00	1.25	2.13	54

Coaxial 90° Elbow K2WW



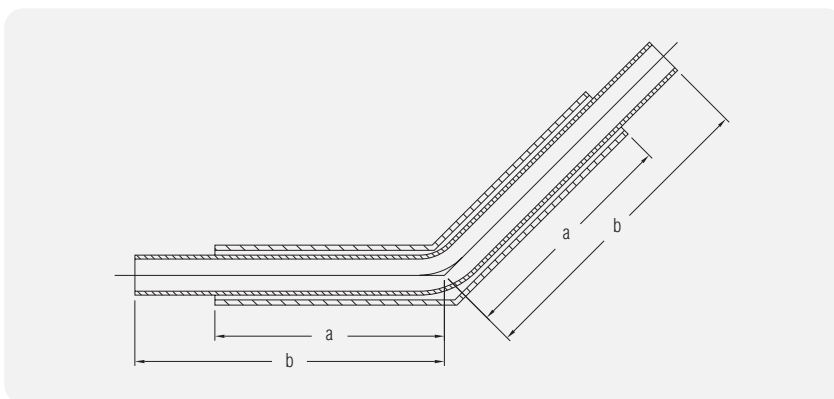
To complete part number add
product specification.

Example: X2WW0408T50

Example: X2WW0408T50

		dimensions										product specifications				
part no.	process tube	process od wall		contain od wall		a	b	r	a mm	b mm	r mm	10	20	50	100	T622
X2WW0408T_	316L SS SMLS	.250	.035	.500	.049	3.00	4.00	1.125	76	102	29	●	●	●		
X2WW0610T_	316L SS SMLS	.375	.035	.625	.049	3.00	4.00	1.125	76	102	29	●	●	●		
X2WW0812T_	316L SS SMLS	.500	.049	.750	.065	3.00	4.00	1.125	76	102	29	●	●	●		
X2WW1216T_	316L SS SMLS	.750	.065	1.00	.065	2.20	3.20	1.125	56	81	29	●	●	●		
X2WW1620T_	316L SS SMLS	1.00	.065	1.25	.065	2.50	4.00	1.50	64	102	38	●	●	●		

Coaxial 45° Elbow K3WW



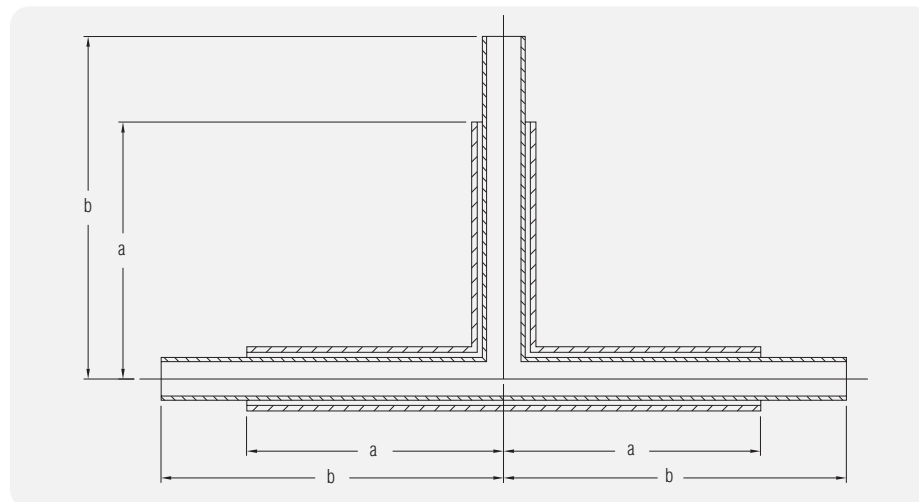
To complete part number add
product specification.

Example: X3WW0408T50

Example: X3WW0408T50

		dimensions										product specifications				
part no.	process tube	process od	process wall	contain od	contain wall	a	b	r	a mm	b mm	r mm	10	20	50	100	T622
X3WW0408T	316L SS SMLS	.250	.035	.500	.049	2.25	3.25	1.125	57	83	29	●	●	●		
X3WW0610T	316L SS SMLS	.375	.035	.625	.049	2.25	3.25	1.125	57	83	29	●	●	●		
X3WW0812T	316L SS SMLS	.500	.049	.750	.065	2.25	3.25	1.125	57	83	29	●	●	●		
X3WW1216T	316L SS SMLS	.750	.065	1.00	.065	2.25	3.25	1.125	57	83	29	●	●	●		
X3WW1620T	316L SS SMLS	1.00	.065	1.25	.065	2.25	3.75	1.50	57	95	38	●	●	●		

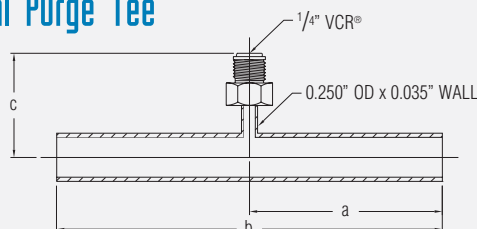
Coaxial Equal Tee X7WWW



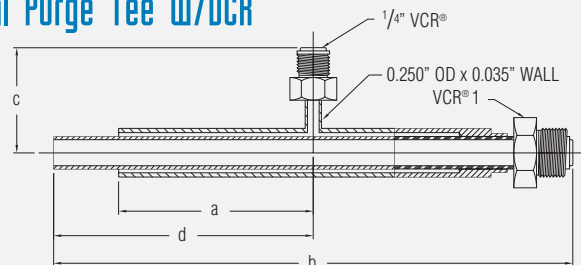
To complete part number add
product specification.
Example: X7WWW0408T50

part no.	process tube	dimensions								product specifications				
		process od	contain wall	process od	contain wall	a	b	a mm	b mm	10	20	50	100	T622
X7WWW0408T	316L SS SMLS	.250	.035	.500	.049	1.87	2.87	48	73	●	●	●		
X7WWW0610T	316L SS SMLS	.375	.035	.625	.049	1.87	2.87	48	73	●	●	●		
X7WWW0812T	316L SS SMLS	.500	.049	.750	.065	2.00	3.00	51	76	●	●	●		
X7WWW1216T	316L SS SMLS	.750	.065	1.00	.065	2.12	3.13	54	79	●	●	●		
X7WWW1620T	316L SS SMLS	1.00	.065	1.25	.065	2.12	3.13	54	79	●	●	●		

Coaxial Purge Tee XPT



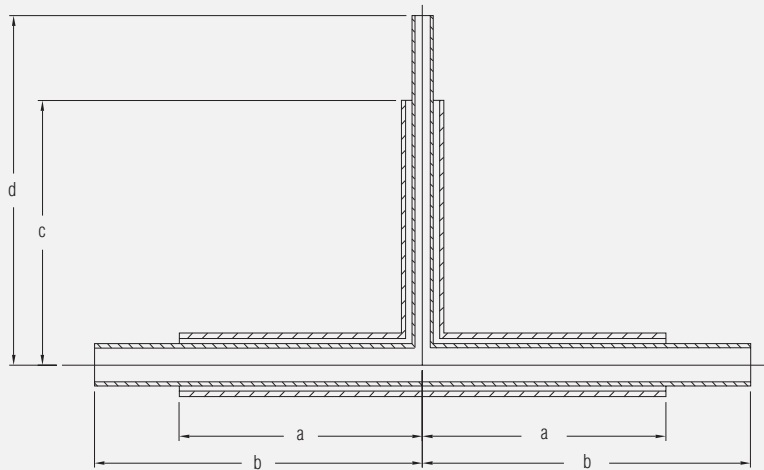
Coaxial Purge Tee w/UCR XPTU



		dimensions												product specifications				
part no.	process tube	process od	containment od	wall	a	b	c	d	a mm	b mm	c mm	d mm	UCR ¹	10	20	50	100	T622
XPT0408	316L SS SMLS	.250	.500	.049	1.87	3.75	1.87	—	48	95	48	—	—					
XPT0610	316L SS SMLS	.375	.625	.049	1.87	3.75	1.95	—	48	95	50	—	—					
XPT0812	316L SS SMLS	.500	.750	.065	2.00	4.00	2.00	—	51	102	51	—	—					
XPT1216	316L SS SMLS	.750	1.00	.065	2.12	4.25	2.12	—	54	108	54	—	—					
XPT1620	316L SS SMLS	1.00	1.25	.065	2.12	4.25	2.26	—	54	108	57	—	—					
XPTV0408T	316L SS SMLS	.250	.500	.049	1.87	5.75	1.87	2.87	48	146	48	73	.250	●	●	●		
XPTV0610T	316L SS SMLS	.375	.625	.049	1.87	5.75	1.95	2.87	48	146	50	73	.370	●	●	●		
XPTV0812T	316L SS SMLS	.500	.750	.065	2.00	6.00	2.00	3.00	51	152	51	76	.500	●	●	●		
XPTV1216T	316L SS SMLS	.750	1.00	.065	2.12	6.25	2.12	3.12	54	158	54	79	.750	●	●	●		
XPTV1620T	316L SS SMLS	1.00	1.25	.065	2.12	6.25	2.26	3.62	54	158	57	92	1.00	●	●	●		

Consult factory for Hastelloy® process tube.

Coaxial Reducing Tee X7RWWW



To complete part number add
product specification.
Example: X7RWWW0604T50

part no.	process tube	dimensions												product specifications				
		base leg		branch leg		a	b	c	d	a mm	b mm	c mm	d mm	10	20	50	100	TG22
		process od	contain od	process od	contain od													
X7RWWW0604T_	316L SS SMLS	.375	.625	.250	.500	1.87	2.87	1.87	2.87	48	73	48	73	●	●	●		
X7RWWW0804T_	316L SS SMLS	.500	.750	.250	.500	2.00	3.00	2.00	3.00	51	76	51	76	●	●	●		
X7RWWW0806T_	316L SS SMLS	.500	.750	.375	.625	2.00	3.00	2.00	3.00	51	76	51	76	●	●	●		
X7RWWW1204T_	316L SS SMLS	.750	1.00	.250	.500	2.12	3.12	2.12	3.12	54	79	54	79	●	●	●		
X7RWWW1206T_	316L SS SMLS	.750	1.00	.375	.625	2.12	3.12	2.12	3.12	54	79	54	79	●	●	●		
X7RWWW1208T_	316L SS SMLS	.750	1.00	.500	.750	2.12	3.12	2.12	3.12	54	79	54	79	●	●	●		
X7RWWW1604T_	316L SS SMLS	1.00	1.25	.250	.500	2.12	3.62	2.12	3.12	54	92	54	79	●	●	●		
X7RWWW1606T_	316L SS SMLS	1.00	1.25	.375	.625	2.12	3.62	2.12	3.12	54	92	54	79	●	●	●		
X7RWWW1608T_	316L SS SMLS	1.00	1.25	.500	.750	2.12	3.62	2.12	3.12	54	92	54	79	●	●	●		
X7RWWW1612T_	316L SS SMLS	1.00	1.25	.750	1.00	2.12	3.62	2.12	3.12	54	92	54	79	●	●	●		

Product Specifications

tech 50

- Electropolished with an average surface roughness of $7\text{ }\mu\text{in}$ / $0.18\text{ }\mu\text{m Ra}$.
- 316L SS tubing meets ASTM specifications for consistent physical, dimensional and chemical composition.
- Restricted sulfur content insures consistent weldability and low non-metallic inclusions.
- Final cleaning and packaging performed in an ISO Class 4 cleanroom.
- $0.1\text{ }\mu$ filtered 18 Megohm 60°C DI water rinse until effluent surpasses 17.5 Megohm.
- Dried with $0.005\text{ }\mu$ filtered 120°C Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Subjected to numerous quality verification tests including: particle and moisture analysis, SEM, ESCA and Auger.
- Used for ultra high purity gas distribution systems.

tech 10

- Average surface roughness of $25\text{ }\mu\text{in}$ / $0.63\text{ }\mu\text{m Ra}$.
- High quality ASTM 269 and ASTM 270 316L SS tubing.
- Controlled sulfur for consistent weldability.
- Exceeds CFOS CGA G4.1 cleaning.
- Fully passivated with nitric acid.
- Rinsed with DI water, purged with filtered nitrogen, capped and individually bagged in heat sealed polyethylene.
- Used for analyzer sample lines, O_2 piping (CFOS), medical gas distribution and vent lines.
- Cleaned to ASTM G93-96 Level A.

tech 20

- Chemically polished with an average surface roughness of $15\text{ }\mu\text{in}$ / $0.20\text{ }\mu\text{m Ra}$.
- High quality ASTM 269 and ASTM 270 316L SS tubing.
- Low particulate cleaning.
- Final cleaning and packaging performed in a cleanroom.
- DI water final rinse, purged with filtered nitrogen until dry, capped and individually bagged in heat sealed polyethylene.
- Used for general high purity systems, such as high grade analyzer lines, compressed dry air, argon, nitrogen and other inert bulk gas services.
- Cleaned to ASTM G93-96 Level A.

tech 100

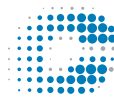
- Electropolished to $5\text{ }\mu\text{in}$ / $0.13\text{ }\mu\text{m Ra}$ or $10\text{ }\mu\text{in}$ / $0.25\text{ }\mu\text{m Ra}$ surface roughness.
- Produced from secondary remelt 316L SS VAR tubing exceeding ASTM specifications for consistent physical, dimensional and chemical composition.
- Vacuum arc remelt (VAR) material reduces impurities in the stainless steel making it more corrosion resistant and pure than standard 316L SS.
- Restricted sulfur content insures consistent weldability and low non-metallic inclusions.
- Final cleaning and packaging performed in an ISO Class 4 cleanroom.
- $0.1\text{ }\mu$ filtered 18 Megohm 60°C DI water rinse until effluent surpasses 17.5 Megohm.
- Dried with $0.005\text{ }\mu$ filtered 120°C Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Subjected to numerous quality verification tests including: particle and moisture analysis, SEM, ESCA and Auger.
- Used for ultra high purity specialty gas distribution systems.

TG22

- Hastelloy® C22 – a nickel chromium alloy is extremely resistant to pitting and crevice corrosion.
- Surface roughness of $20\text{ }\mu\text{in}$ / $0.5\text{ }\mu\text{m Ra}$.
- Chemically polished and passivated in nitric acid bath followed by a DI water rinse.
- Final cleaning and packaging performed in an ISO Class 4 cleanroom.
- Rinsed with $0.1\text{ }\mu$ filtered 18 Megohm 60°C DI water.
- Dried with $0.005\text{ }\mu$ filtered 120°C Nitrogen.
- Ends are sealed by pressing LDPE caps over polyamide nylon film.
- Individually double bagged in heat sealed polyethylene.
- Verified quality by particle and moisture testing.
- Used for high purity distribution of highly corrosive gasses.



Specifications subject to change without notice.



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