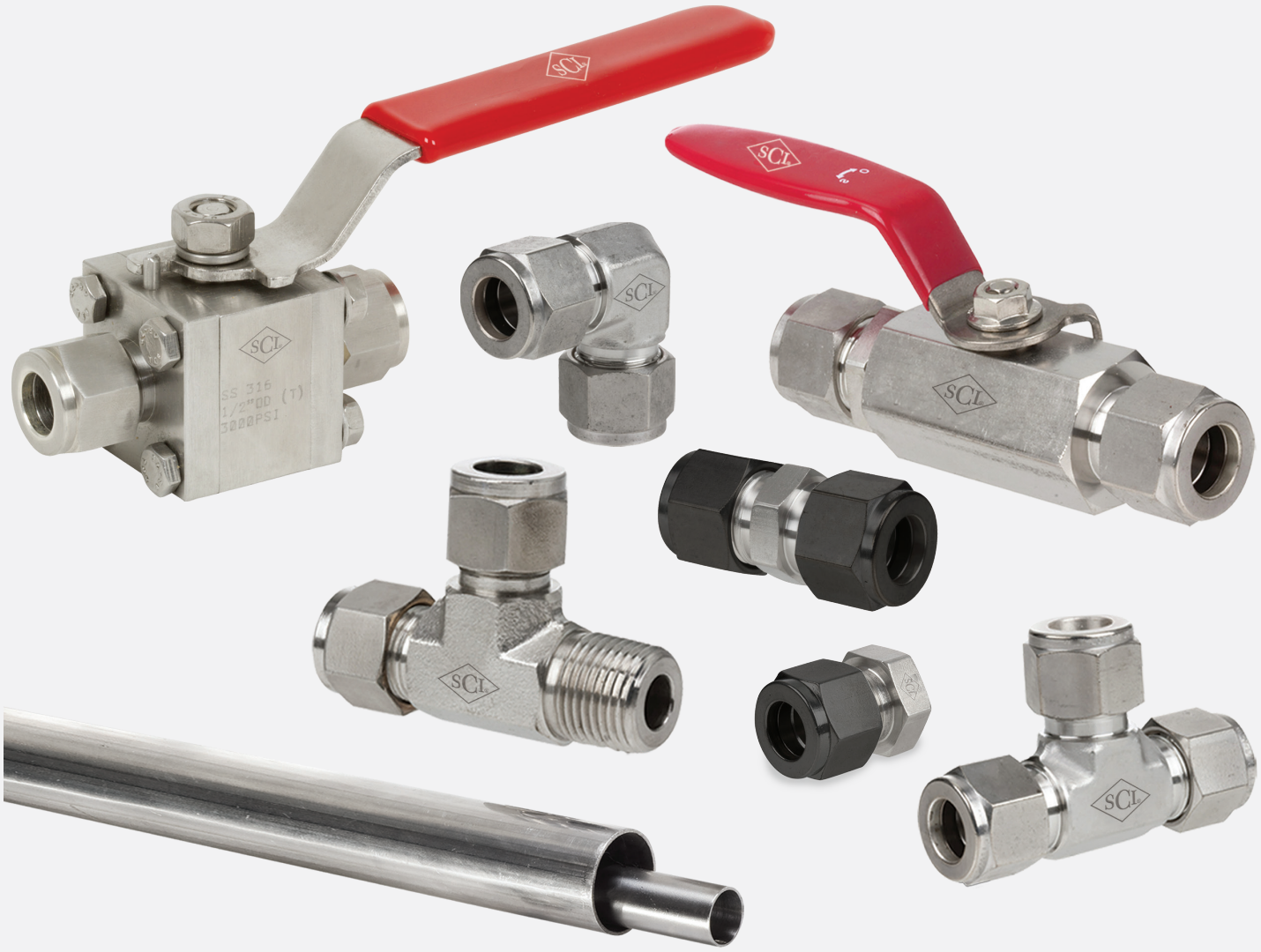
Building connections that last™

ASC Engineered Solutions

Instrumentation

Fittings & Tubing



SCI An ASC Engineered Solution

Instrumentation Fittings & Tubing

Specifications

- Instrumentation fittings meet ANSI B31.1, ANSI B31.3, ASME Sec. VIII
- Instrumentation fitting wall thickness conform to SAE-J-514
- NPT pipe threads conform to ASME B1.20.1
- Straight threads conform to ANSI B1.1 (unified threads clause 2A & 2B)
- Instrumentation fittings made from material that conforms to ASTM A276 316 SS (barstock) and ASTM A-182 G F 316 (forgings)
- Instrumentation fitting ferrules conform to ASTM A276 316 SS (min hardness Rockwell B-90)
- Instrumentation fitting ferrules composed of 316 SS
- Nuts are silver plated to 5 microns for anti-galling

Testing

- The following tests are carried out at various stages of manufacture and are in accordance with BS-4368-Part-IV:
- Visual / dimensional check
- Pneumatic pressure test at 2,000 psi
- Hydraulic leak test at 10,000 psi
- Pressure impulse & vibration test at vibration frequency of 23-47 Hz with 5 mm amplitude, and 30-40 CPM for a minimum of 20 million cycles
- Minimum burst pressure test at a steady rate of 3,000 PSI per min, up to 15,000 psi
- Make-and-break test hydraulically tested at 6,000 psi and 10,000 psi
- Temperature cycling test: temperature increased from ambient to 320° C held for 60 min reduced to ambient, then hydraulically at 10,000 psi
- Vacuum test at 700 mbar vacuum, deterioration in vacuum not to exceed 20 mbar in 20 mins.
- Helium leakage test at 15 PSI, leakage not to exceed 2.0 x 10^{-5} STD cc/sec

Instrumentation Tubing Specifications

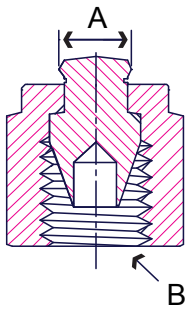
- Instrumentation tubing dimensions and materials conform to ASTM A269 and ASTM A213

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

Fig. AFEC & SFEC – Fitting End Closure

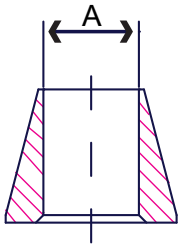

AFEC


SFEC



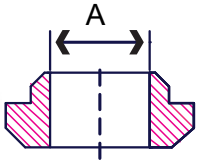
Tube OD in	Part Number		A in	B in	Packing	Weight lb
	Double Ferrule	Single Ferrule				
1/8	S76AFEC001	S76SFEC001	1/8	7/16	100	0.04
1/4	S76AFEC002	S76SFEC002	1/4	9/16	100	0.05
3/8	S76AFEC003	S76SFEC003	3/8	11/16	60	0.09
1/2	S76AFEC004	S76SFEC004	1/2	7/8	20	0.1
5/8	S76AFEC005	-	5/8	1	50	0.1
3/4	S76AFEC006	S76SFEC006	3/4	1-1/8	20	0.2
1	S76AFEC010	-	1	1-1/2	20	0.2

Fig. AFF & SF – Front Ferrule



Tube OD in	Part Number		A in	Packing	Weight lb
	Double Ferrule	Single Ferrule			
1/8	S76AFF001	S76SF001	1/8	500	0.007
3/16	S76AFF316	S76SF316	3/16	500	0.007
1/4	S76AFF002	S76SF002	1/4	500	0.009
5/16	S76AFF516	S76SF516	5/16	500	0.01
3/8	S76AFF003	S76SF003	3/8	300	0.01
1/2	S76AFF004	S76SF004	1/2	200	0.01
5/8	S76AFF005	S76SF005	5/8	150	0.04
3/4	S76AFF006	S76SF006	3/4	100	0.05
1	S76AFF010	S76SF010	1	1	0.06

Fig. ABF – Back Ferrule

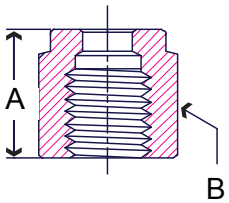


Tube OD in	Part Number	A in	Packing	Weight lb
1/8	S76ABF001	1/8	500	0.004
3/16	S76ABF316	3/16	500	0.004
1/4	S76ABF002	1/4	500	0.007
5/16	S76ABF516	5/16	500	0.009
3/8	S76ABF003	3/8	300	0.01
1/2	S76ABF004	1/2	200	0.01
5/8	S76ABF005	5/8	150	0.03
3/4	S76ABF006	3/4	100	0.04
1	S76ABF010	1	1	0.05

Fig. AHN & SHN– Hex Nut


AHN


SHN



Tube OD in	Part Number		A in	B in	Packing	Weight lb
	Double Ferrule	Single Ferrule				
1/8	S76AHN001	S76SHN001	0.47	7/16	100	0.01
1/4	S76AHN002	S76SHN002	0.50	9/16	100	0.02
3/16	S76AHN316	-	0.52	1/2	100	0.22
3/8	S76AHN003	S76SHN003	0.56	11/16	100	0.04
1/2	S76AHN004	S76SHN004	0.69	7/8	60	0.07
5/8	S76AHN005	-	0.69	1	50	0.08
3/4	S76AHN006	S76SHN006	0.69	1-1/8	30	0.09
1	S76AHN010	-	0.81	1-1/2	30	0.09

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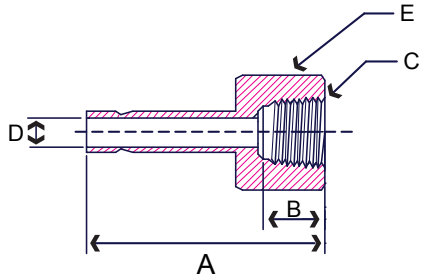

Fig. AFA – Female Adapter

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	Packing	Weight lb
1/8 x 1/8	S76AFA001001	1.23	0.41	1/8	0.09	9/16	100	0.07
1/8 x 1/4	S76AFA001002	1.38	0.59	1/4	0.09	3/4	100	0.08
1/4 x 1/8	S76AFA002001	1.29	0.41	1/8	0.19	9/16	100	0.07
1/4 x 1/4	S76AFA002002	1.45	0.59	1/4	0.19	3/4	60	0.07
1/4 x 3/8	S76AFA002003	1.54	0.59	3/8	0.19	7/8	40	0.08
1/4 x 1/2	S76AFA002004	1.78	0.78	1/2	0.19	1-1/16	20	0.1
3/8 x 1/4	S76AFA003002	1.49	0.59	1/4	0.28	3/4	40	0.1
3/8 x 3/8	S76AFA003003	1.58	0.59	3/8	0.28	7/8	40	0.1
1/2 x 1/4	S76AFA004002	1.71	0.59	1/4	0.39	3/4	40	0.1
1/2 x 3/8	S76AFA004003	1.78	0.59	3/8	0.39	7/8	30	0.07
1/2 x 1/2	S76AFA004004	2.03	0.78	1/2	0.39	1-1/16	10	0.1
5/8 x 1/4	S76AFA005002	1.90	0.59	1/4	0.39	15/16	40	0.2
5/8 x 3/8	S76AFA005003	1.90	0.59	3/8	0.39	15/16	40	0.3
5/8 x 1/2	S76AFA005004	2.08	0.78	1/2	0.50	1-1/16	20	0.3
3/4 x 1/2	S76AFA006004	2.08	0.78	1/2	0.59	1-1/16	10	0.4
3/4 x 3/4	S76AFA006006	2.15	0.81	3/4	0.59	1-5/16	10	0.5
3/4 x 1	S76AFA006010	2.29	1.00	1	0.59	1-5/8	10	0.8
1 x 1	S76AFA010010	2.53	1.00	1	0.80	1-5/8	10	0.5

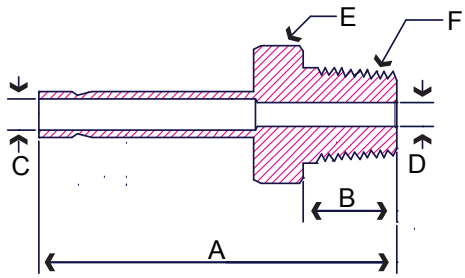

Fig. AMA – Male Adapter

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/8 x 1/8	S76AMA001001	1.15	0.38	0.19	0.09	7/16	1/8	100	0.07
1/8 x 1/4	S76AMA001002	1.36	0.56	0.28	0.09	9/16	1/4	100	0.07
1/4 x 1/8	S76AMA002001	1.24	0.38	0.19	0.19	7/16	1/8	100	0.07
1/4 x 1/4	S76AMA002002	1.45	0.56	0.19	0.19	9/16	1/4	100	0.07
1/4 x 3/8	S76AMA002003	1.48	0.56	0.19	0.19	11/16	3/8	60	0.08
1/4 x 1/2	S76AMA002004	1.70	0.75	0.19	0.19	7/8	1/2	30	0.1
5/16 x 1/8	S76AMA516001	1.28	0.38	0.19	0.25	7/16	1/8	100	0.08
5/16 x 1/4	S76AMA516002	1.49	0.56	0.25	0.25	9/16	1/4	100	0.08
3/8 x 1/4	S76AMA003002	1.52	0.56	0.28	0.28	9/16	1/4	60	0.09
3/8 x 3/8	S76AMA003003	1.55	0.56	0.28	0.28	11/16	3/8	60	0.09
3/8 x 1/2	S76AMA003004	1.77	0.75	0.28	0.28	7/8	1/2	40	0.1
1/2 x 1/4	S76AMA004002	1.75	0.56	0.39	0.28	9/16	1/4	30	0.08
1/2 x 3/8	S76AMA004003	1.77	0.56	0.39	0.39	11/16	3/8	30	0.07
1/2 x 1/2	S76AMA004004	1.99	0.75	0.39	0.39	7/8	1/2	30	0.1
5/8 x 1/2	S76AMA005004	2.05	0.75	0.47	0.50	7/8	1/2	20	0.2
3/4 x 1/2	S76AMA006004	2.05	0.75	0.47	0.59	7/8	1/2	10	0.3
3/4 x 3/4	S76AMA006006	2.05	0.75	0.59	0.59	1-1/16	3/4	10	0.6
3/4 x 1	S76AMA006010	2.31	0.94	0.59	0.59	1-3/8	1	10	0.6
1 x 3/4	S76AMA010006	2.31	0.75	0.80	0.62	1-1/16	3/4	10	0.6
1 x 1	S76AMA010010	2.60	0.94	0.80	0.80	1-3/8	1	10	0.6

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AFBT


SFBT

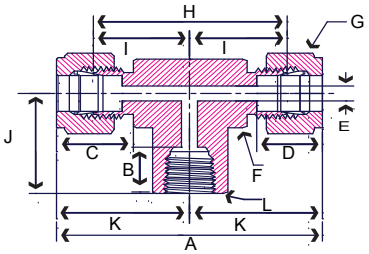

Fig. AFBT – Female Branch Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AFBT001001	1.92	0.41	0.60	0.50	0.09	1/2	7/16	1.40	0.70	0.74	0.96	1/8	40	0.1
1/8 x 1/4	S76AFBT001002	2.16	0.59	0.60	0.50	0.09	3/4	7/16	1.64	0.82	0.88	1.08	1/4	30	0.1
3/16 x 1/8	S76AFBT316001	2.00	0.41	0.63	0.54	0.12	1/2	1/2	1.48	0.74	0.75	1.00	1/8	40	0.1
1/4 x 1/8	S76AFBT002001	2.10	0.41	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.74	1.05	1/8	30	0.1
1/4 x 1/4	S76AFBT002002	2.32	0.59	0.70	0.60	0.19	11/16	9/16	1.74	0.87	0.87	1.16	1/4	30	0.2
3/8 x 1/4	S76AFBT003002	2.44	0.59	0.76	0.66	0.28	11/16	11/16	1.84	0.93	0.87	1.22	1/4	20	0.3
3/8 x 3/8	S76AFBT003003	2.60	0.59	0.76	0.66	0.28	13/16	11/16	2.02	1.01	0.87	1.30	3/8	20	0.3
1/2 x 3/8	S76AFBT004003	2.82	0.59	0.86	0.90	0.41	13/16	7/8	2.02	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76AFBT004004	3.04	0.78	0.86	0.90	0.41	1	7/8	2.24	1.12	1.11	1.52	1/2	10	0.5
5/8 x 1/2	S76AFBT005004	3.04	0.78	0.86	0.96	0.50	1	1	2.24	1.12	1.11	1.52	1/2	10	1.1
3/4 x 1/2	S76AFBT006004	3.14	0.78	0.86	0.96	0.62	1-1/16	1-1/8	2.34	1.17	1.12	1.57	1/2	5	1.5
3/4 x 3/4	S76AFBT006006	3.50	0.81	0.86	0.96	0.62	1-3/8	1-1/8	2.70	1.35	1.24	1.75	3/4	5	1.6
1 x 3/4	S76AFBT010006	3.86	0.81	1.04	1.23	0.88	1-7/16	1-1/2	2.90	1.45	1.25	1.93	3/4	5	1.5
1 x 1	S76AFBT010010	4.22	1.00	1.04	1.23	0.88	1-5/8	1-1/2	3.26	1.63	1.50	2.11	1	5	1.6

Fig. SFBT – Female Branch Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SFBT002002	2.32	0.59	0.70	0.60	0.19	11/16	9/16	1.74	0.87	0.87	1.16	1/4	30	0.2
1/2 x 3/8	S76SFBT004003	2.82	0.59	0.86	0.90	0.41	13/16	7/8	2.02	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76SFBT004004	3.04	0.78	0.86	0.90	0.41	1	7/8	2.24	1.12	1.11	1.52	1/2	10	0.5


AUT


SUT

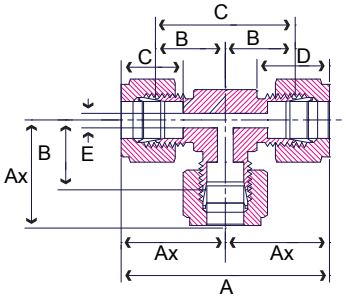

Fig. AUT – Union Tee Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUT001	1.76	1.22	0.87	0.50	0.09	3/8	7/16	40	0.2
3/16	S76AUT316	1.92	1.40	0.96	0.54	0.12	1/2	1/2	40	0.1
1/4	S76AUT002	2.12	1.52	1.05	0.60	0.19	1/2	9/16	30	0.2
5/16	S76AUT516	2.34	1.74	1.16	0.64	0.25	5/8	5/8	20	0.3
3/8	S76AUT003	2.40	1.80	1.19	0.66	0.28	5/8	11/16	20	0.4
1/2	S76AUT004	2.84	2.02	1.41	0.96	0.41	13/16	7/8	10	0.7
5/8	S76AUT005	3.06	2.24	1.52	0.96	0.50	1	1	10	0.8
3/4	S76AUT006	3.14	2.32	1.56	0.96	0.62	1-1/16	1-1/8	5	1.0
1	S76AUT010	3.86	2.88	1.92	1.23	0.88	1-3/8	1-1/2	1	1.0

Fig. SUT – Union Tee Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76SUT001	1.76	1.22	0.87	0.50	0.09	3/8	7/16	40	0.2
1/4	S76SUT002	2.12	1.52	1.05	0.60	0.19	1/2	9/16	30	0.2
3/8	S76SUT003	2.40	1.80	1.19	0.66	0.28	5/8	11/16	20	0.4
1/2	S76SUT004	2.84	2.02	1.41	0.96	0.41	13/16	7/8	10	0.7
5/8	S76SUT005	3.06	2.24	1.52	0.96	0.50	1	1	10	0.8
3/4	S76SUT006	3.14	2.32	1.56	0.96	0.62	1-1/16	1-1/8	5	1.0
1	S76SUT010	3.86	2.88	1.92	1.23	0.88	1-3/8	1-1/2	1	1.0

AMBT

SMBT

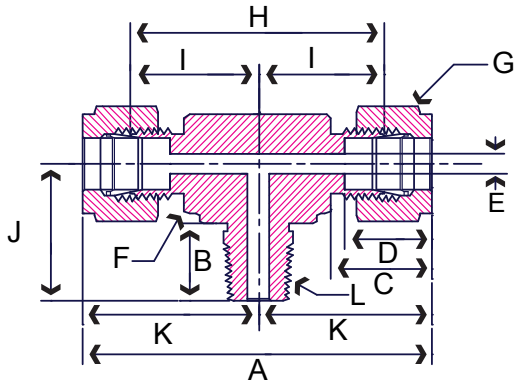

Fig. AMBT – Male Branch Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AMBT001001	1.84	0.38	0.60	0.50	0.09	7/16	7/16	1.32	0.66	0.69	1.84	1/8	40	0.1
1/8 x 1/4	S76AMBT001002	1.92	0.56	0.60	0.50	0.09	1/2	7/16	1.40	0.70	0.91	1.92	1/4	30	0.1
3/16 x 1/8	S76AMBT316001	1.92	0.38	0.63	0.54	0.12	1/2	1/2	1.40	0.70	0.70	0.96	1/8	40	0.1
1/4 x 1/8	S76AMBT002001	2.10	0.38	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.73	2.10	1/8	30	0.1
1/4 x 1/4	S76AMBT002002	2.10	0.56	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.91	2.10	1/4	30	0.1
1/4 x 1/2	S76AMBT002004	2.50	0.75	0.70	0.60	0.19	7/8	9/16	1.92	0.96	1.30	1.25	1/2	20	0.2
5/16 x 1/8	S76AMBT516001	2.34	0.38	0.73	0.64	0.19	5/8	5/8	1.76	0.88	0.82	1.17	1/8	40	0.1
3/8 x 1/4	S76AMBT003002	2.38	0.56	0.76	0.66	0.28	5/8	11/16	1.80	0.90	0.99	2.38	1/4	30	0.2
3/8 x 3/8	S76AMBT003003	2.60	0.56	0.76	0.66	0.28	13/16	11/16	2.02	1.01	1.10	2.60	3/8	20	0.2
1/2 x 3/8	S76AMBT004003	2.82	0.56	0.86	0.90	0.38	13/16	7/8	2.02	1.01	1.10	2.82	3/8	10	0.4
1/2 x 1/2	S76AMBT004004	2.82	0.75	0.86	0.90	0.41	13/16	7/8	2.02	1.01	1.29	2.82	1/2	10	0.7
5/8 x 1/2	S76AMBT005004	3.04	0.75	0.86	0.96	0.47	1	1	2.24	1.12	1.40	3.04	1/2	1	0.8
3/4 x 1/2	S76AMBT006004	3.14	0.75	0.86	0.96	0.47	1-1/16	1-1/8	2.34	1.17	1.45	1.57	1/2	5	0.3
3/4 x 3/4	S76AMBT006006	3.12	0.75	0.86	0.96	0.62	1-1/16	1-1/8	2.32	1.16	1.44	3.12	3/4	5	0.8
1 x 3/4	S76AMBT010006	3.86	0.75	1.04	1.23	0.62	1-7/16	1-1/2	2.90	1.45	1.64	1.93	3/4	5	0.3
1 x 1	S76AMBT010010	3.86	0.94	1.04	1.23	0.88	1-7/16	1-1/2	2.90	1.45	1.83	1.93	1	5	0.6

Fig. SMBT – Male Branch Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/8	S76SMBT002001	2.10	0.38	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.73	2.10	1/8	30	0.1
1/4 x 1/4	S76SMBT002002	2.10	0.56	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.91	2.10	1/4	30	0.1
3/8 x 1/4	S76SMBT003002	2.38	0.56	0.76	0.66	0.28	5/8	11/16	1.80	0.90	0.99	2.38	1/4	30	0.2
1/2 x 1/2	S76SMBT004004	2.82	0.75	0.86	0.90	0.41	13/16	7/8	2.02	1.01	1.29	2.82	1/2	10	0.7
3/4 x 1/2	S76SMBT006004	3.14	0.75	0.86	0.96	0.47	1-1/16	1-1/8	2.34	1.17	1.45	1.57	1/2	5	0.3
1 x 1	S76SMBT010010	3.86	0.94	1.04	1.23	0.88	1-7/16	1-1/2	2.90	1.45	1.83	1.93	1	5	0.6

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.


AMRT


SMRT

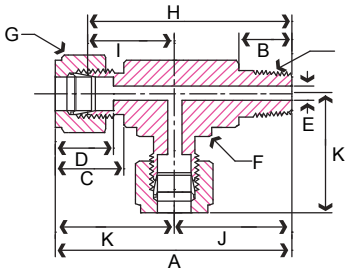

Fig. AMRT – Male Run Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AMRT001001	1.61	0.38	0.60	0.50	0.09	7/16	7/16	1.35	0.66	0.92	0.93	1/8	40	0.1
1/8 x 1/4	S76AMRT001002	1.87	0.56	0.60	0.50	0.09	1/2	7/16	1.61	0.70	0.96	0.97	1/4	30	0.1
3/16 x 1/8	S76AMRT316001	1.66	0.38	0.63	0.54	0.12	1/2	1/2	1.40	0.70	0.70	0.96	1/8	40	0.1
1/4 x 1/8	S76AMRT002001	1.98	0.38	0.70	0.60	0.19	1/2	9/16	1.48	0.76	1.05	1.06	1/8	30	0.1
1/4 x 1/4	S76AMRT002002	1.96	0.56	0.70	0.60	0.19	1/2	9/16	1.67	0.76	1.05	1.06	1/4	30	0.1
5/16 x 1/8	S76AMRT516001	1.99	0.38	0.73	0.64	0.19	5/8	5/8	1.70	0.88	0.82	1.17	1/8	40	0.1
3/8 x 1/4	S76AMRT003002	2.18	0.56	0.76	0.66	0.28	5/8	11/16	1.89	0.90	1.19	1.20	1/4	20	0.2
3/8 x 3/8	S76AMRT003003	2.40	0.56	0.76	0.66	0.28	13/16	11/16	2.11	1.01	1.30	1.31	3/8	10	0.2
1/2 x 3/8	S76AMRT004003	2.51	0.56	0.86	0.90	0.38	13/16	7/8	2.11	1.01	1.41	1.42	3/8	10	0.4
1/2 x 1/2	S76AMRT004004	2.70	0.75	0.86	0.90	0.41	13/16	7/8	2.30	1.01	1.41	1.42	1/2	10	0.7
5/8 x 1/2	S76AMRT005004	2.86	0.75	0.86	0.96	0.47	15/16	1	2.46	1.00	1.49	1.50	1/2	10	0.8
3/4 x 1/2	S76AMRT006004	3.02	0.75	0.86	0.96	0.47	1-1/16	1-1/8	2.62	1.17	1.45	1.57	1/2	5	0.8
3/4 x 3/4	S76AMRT006006	3.00	0.75	0.86	0.96	0.62	1-1/16	1-1/8	2.60	1.16	1.56	1.57	3/4	5	1.3

Fig. SMRT – Male Run Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SMRT002002	1.96	0.56	0.70	0.60	0.19	1/2	9/16	1.67	0.76	1.05	1.06	1/4	30	0.1
3/8 x 1/4	S76SMRT003002	2.18	0.56	0.76	0.66	0.28	5/8	11/16	1.89	0.90	1.19	1.20	1/4	20	0.2
3/8 x 3/8	S76SMRT003003	2.40	0.56	0.76	0.66	0.28	13/16	11/16	2.11	1.01	1.30	1.31	3/8	10	0.2
1/2 x 3/8	S76SMRT004003	2.51	0.56	0.86	0.90	0.38	13/16	7/8	2.11	1.01	1.41	1.42	3/8	10	0.4


AFRT


SFRT

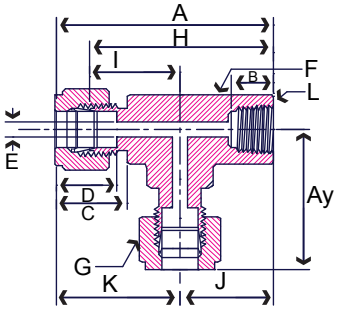

Fig. AFRT – Female Run Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AFRT001001	1.71	0.41	0.60	0.50	0.09	1/2	7/16	1.44	0.70	0.74	0.96	1/8	40	0.1
1/8 x 1/4	S76AFRT001002	1.96	0.59	0.60	0.50	0.09	3/4	7/16	1.07	0.82	0.88	1.08	1/4	30	0.1
1/4 x 1/8	S76AFRT002001	1.81	0.41	0.70	0.60	0.19	1/2	9/16	1.50	0.76	0.74	1.05	1/8	40	0.1
1/4 x 1/4	S76AFRT002002	2.05	0.59	0.70	0.60	0.19	11/16	9/16	1.79	0.87	0.87	1.16	1/4	30	0.2
3/16 x 1/8	S76AFRT316001	1.75	0.41	0.63	0.54	0.12	1/2	1/2	1.49	0.74	0.75	1.00	1/8	40	0.1
3/8 x 1/4	S76AFRT003002	2.10	0.59	0.76	0.66	0.28	11/16	11/16	1.79	0.93	0.87	1.22	1/4	20	0.3
3/8 x 3/8	S76AFRT003003	2.17	0.59	0.76	0.66	0.28	7/8	11/16	1.88	1.01	0.87	1.30	3/8	10	0.3
1/2 x 3/8	S76AFRT004003	2.29	0.59	0.86	0.90	0.41	13/16	7/8	1.88	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76AFRT004004	2.68	0.78	0.86	0.90	0.41	1-1/16	7/8	2.27	1.16	1.12	1.56	1/2	10	0.5
5/8 x 1/2	S76AFRT005004	2.64	0.78	0.86	0.96	0.50	1-1/16	1.00	2.24	1.12	1.12	1.52	1/2	10	1.1
3/4 x 1/2	S76AFRT006004	2.69	0.78	0.86	0.96	0.62	1-1/16	1-1/8	2.29	1.17	1.12	1.57	3/4	5	1.5
3/4 x 3/4	S76AFRT006006	3.00	0.81	0.86	0.96	0.62	1-3/8	1-1/8	2.59	1.35	1.24	1.75	3/4	5	1.6
1 x 3/4	S76AFRT010006	3.17	0.81	1.04	1.23	0.88	1-3/8	1-1/2	2.68	1.44	1.24	1.92	3/4	5	1.5
1 x 1	S76AFRT010010	3.60	1.00	1.04	1.23	0.88	1-11/16	1-1/2	3.11	1.62	1.49	2.10	1	5	1.6

Fig. SFRT – Female Run Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SFRT002002	2.05	0.59	0.70	0.60	0.19	11/16	9/16	1.79	0.87	0.87	1.16	1/4	30	0.2
3/8 x 1/4	S76SFRT003002	2.10	0.59	0.76	0.66	0.28	11/16	11/16	1.79	0.93	0.87	1.22	1/4	20	0.3

AMC

SMC

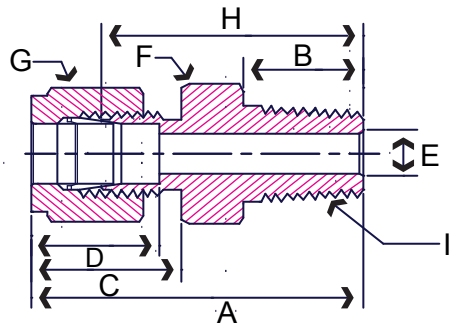

Fig. AMC – Male Connector Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AMC001001	1.19	0.38	0.60	0.50	0.09	7/16	7/16	0.93	1/8	100	0.08
1/8 x 1/4	S76AMC001002	1.39	0.56	0.60	0.50	0.09	9/16	7/16	1.13	1/4	100	0.08
3/16 x 1/8	S76AMC316001	1.23	0.38	0.63	0.54	0.12	7/16	1/2	0.97	1/8	100	0.08
3/16 x 1/4	S76AMC316002	1.43	0.56	0.63	0.54	0.12	9/16	1/2	1.17	1/4	30	0.08
1/4 x 1/8	S76AMC002001	1.28	0.38	0.70	0.60	0.19	1/2	9/16	0.99	1/8	100	0.07
1/4 x 1/4	S76AMC002002	1.48	0.56	0.70	0.60	0.19	9/16	9/16	1.19	1/4	100	0.08
1/4 x 3/8	S76AMC002003	1.50	0.56	0.70	0.60	0.19	11/16	9/16	1.21	3/8	60	0.09
1/4 x 1/2	S76AMC002004	1.75	0.75	0.70	0.60	0.19	7/8	9/16	1.46	1/2	30	0.1
5/16 x 1/8	S76AMC516001	1.34	0.38	0.73	0.64	0.19	9/16	5/8	1.05	1/8	100	0.1
5/16 x 1/4	S76AMC516002	1.51	0.56	0.73	0.64	0.25	9/16	5/8	1.22	1/4	40	0.1
3/8 x 1/8	S76AMC003001	1.38	0.38	0.76	0.66	0.19	5/8	11/16	1.09	1/8	100	0.1
3/8 x 1/4	S76AMC003002	1.56	0.56	0.76	0.66	0.28	5/8	11/16	1.27	1/4	60	0.1
3/8 x 3/8	S76AMC003003	1.56	0.56	0.76	0.66	0.28	11/16	11/16	1.27	3/8	40	0.1
3/8 x 1/2	S76AMC003004	1.81	0.75	0.76	0.66	0.28	7/8	11/16	1.52	1/2	30	0.1
1/2 x 1/4	S76AMC004002	1.70	0.56	0.86	0.90	0.28	13/16	7/8	1.30	1/4	30	0.1
1/2 x 3/8	S76AMC004003	1.70	0.56	0.86	0.90	0.38	13/16	7/8	1.30	3/8	30	0.1
1/2 x 1/2	S76AMC004004	1.92	075	0.86	0.90	0.41	7/8	7/8	1.52	1/2	30	0.2
1/2 x 3/4	S76AMC004006	1.98	0.75	0.86	0.96	0.41	1-1/16	7/8	1.58	3/4	20	0.2
5/8 x 3/8	S76AMC005003	1.73	0.56	0.86	0.96	0.38	15/16	1	1.33	3/8	20	0.2
5/8 x 1/2	S76AMC005004	1.92	0.75	0.86	0.96	0.47	15/16	1	1.52	1/2	20	0.3
3/4 x 1/2	S76AMC006004	1.98	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.58	1/2	15	0.4
3/4 x 3/4	S76AMC006006	1.98	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.58	3/4	15	0.4
3/4 x 1	S76AMC006010	2.24	0.94	0.86	0.96	0.62	1-3/8	1-1/8	1.84	1	10	0.5
1 x 3/4	S76AMC010006	2.26	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.78	3/4	15	0.4
1 x 1	S76AMC010010	2.45	0.94	1.04	1.23	0.88	1-3/8	1-1/2	1.97	1	10	0.5

Fig. SMC – Male Connector Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76SMC001001	1.19	0.38	0.60	0.50	0.09	7/16	7/16	0.93	1/8	100	0.08
1/8 x 1/4	S76SMC001002	1.39	0.56	0.60	0.50	0.09	9/16	7/16	1.13	1/4	100	0.08
1/4 x 1/8	S76SMC002001	1.28	0.38	0.70	0.60	0.19	1/2	9/16	0.99	1/8	100	0.07
1/4 x 1/4	S76SMC002002	1.48	0.56	0.70	0.60	0.19	9/16	9/16	1.19	1/4	100	0.08
1/4 x 3/8	S76SMC002003	1.50	0.56	0.70	0.60	0.19	11/16	9/16	1.21	3/8	60	0.09
1/4 x 1/2	S76SMC002004	1.75	0.75	0.70	0.60	0.19	7/8	9/16	1.46	1/2	30	0.1
5/16 x 1/4	S76SMC516002	1.51	0.56	0.73	0.64	0.25	9/16	5/8	1.22	1/4	40	0.1
3/8 x 1/8	S76SMC003001	1.38	0.38	0.76	0.66	0.19	5/8	11/16	1.09	1/8	100	0.1
3/8 x 1/4	S76SMC003002	1.56	0.56	0.76	0.66	0.28	5/8	11/16	1.27	1/4	60	0.1
3/8 x 3/8	S76SMC003003	1.56	0.56	0.76	0.66	0.28	11/16	11/16	1.27	3/8	40	0.1
3/8 x 1/2	S76SMC003004	1.81	0.75	0.76	0.66	0.28	7/8	11/16	1.52	1/2	30	0.1
1/2 x 1/4	S76SMC004002	1.70	0.56	0.86	0.90	0.28	13/16	7/8	1.30	1/4	30	0.1
1/2 x 3/8	S76SMC004003	1.70	0.56	0.86	0.90	0.38	13/16	7/8	1.30	3/8	30	0.1
1/2 x 1/2	S76SMC004004	1.92	075	0.86	0.90	0.41	7/8	7/8	1.52	1/2	30	0.2
1/2 x 3/4	S76SMC004006	1.98	0.75	0.86	0.96	0.41	1-1/16	7/8	1.58	3/4	20	0.2
5/8 x 1/2	S76SMC005004	1.92	0.75	0.86	0.96	0.47	15/16	1	1.52	1/2	20	0.3
3/4 x 1/2	S76SMC006004	1.98	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.58	1/2	15	0.4
3/4 x 3/4	S76SMC006006	1.98	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.58	3/4	15	0.4
1 x 3/4	S76SMC010006	2.26	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.78	3/4	15	0.4
1 x 1	S76SMC010010	2.45	0.94	1.04	1.23	0.88	1-3/8	1-1/2	1.97	1	10	0.5

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

ARU

SRU

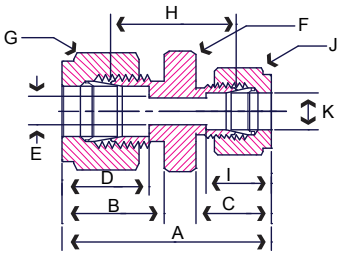

Fig. ARU – Reducing Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	Packing	Weight lb
1/4 x 1/8	S76ARU002001	1.51	0.70	0.60	0.60	0.09	1/2	9/16	0.96	0.50	7/16	1/8	100	0.08
5/16 x 1/4	S76ARU516002	1.65	0.73	0.70	0.64	0.19	9/16	5/8	1.07	0.60	9/16	1/4	60	0.1
3/16 x 1/8	S76ARU316001	1.67	0.74	0.70	0.65	0.19	1/2	7/16	1.09	0.60	9/16	1/4	60	0.1
3/8 x 1/4	S76ARU003002	1.69	0.76	0.70	0.66	0.19	5/8	11/16	1.11	0.60	9/16	1/4	40	0.1
1/2 x 1/4	S76ARU004002	1.84	0.86	0.70	0.90	0.19	13/16	7/8	1.15	0.60	9/16	1/4	20	0.3
1/2 x 3/8	S76ARU004003	1.90	0.86	0.76	0.90	0.28	13/16	7/8	1.21	0.66	11/16	3/8	20	0.3
5/8 x 3/8	S76ARU005003	1.93	0.86	0.76	0.96	0.28	15/16	1	1.24	0.66	11/16	3/8	30	0.4
5/8 x 1/2	S76ARU005004	2.04	0.86	0.86	0.96	0.41	15/16	1	1.24	0.90	7/8	1/2	30	0.4
3/4 x 1/2	S76ARU006004	2.10	0.86	0.86	0.96	0.50	1-1/16	1-1/8	1.30	0.90	7/8	1/2	10	0.5
3/4 x 5/8	S76ARU006005	2.10	0.86	0.86	0.96	0.62	1-1/16	1-1/8	1.30	0.96	1	5/8	10	0.5
1 x 3/4	S76ARU010006	2.10	1.04	0.86	0.96	0.62	1-3/8	1-1/2	1.58	1.23	1-1/8	3/4	1	0.5

Fig. SRU – Reducing Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	Packing	Weight lb
1/4 x 1/8	S76SRU002001	1.51	0.70	0.60	0.60	0.09	1/2	9/16	0.96	0.50	7/16	1/8	100	0.08
3/8 x 1/4	S76SRU003002	1.69	0.76	0.70	0.66	0.19	5/8	11/16	1.11	0.60	9/16	1/4	40	0.1
1/2 x 1/4	S76SRU004002	1.84	0.86	0.70	0.90	0.19	13/16	7/8	1.15	0.60	9/16	1/4	20	0.3
3/4 x 1/2	S76SRU006004	2.10	0.86	0.86	0.96	0.50	1-1/16	1-1/8	1.30	0.90	7/8	1/2	10	0.5

ATEC

STEC

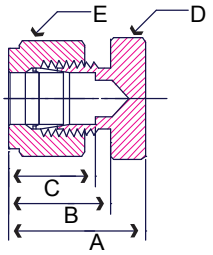

Fig. ATEC – Tube End Closure (Cap) Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/8	S76ATEC001	0.78	0.60	0.50	7/16	7/16	0.52	100	0.06
3/16	S76ATEC316	0.84	0.63	0.54	7/16	1/2	0.58	100	0.07
1/4	S76ATEC002	0.92	0.70	0.60	1/2	9/16	0.62	100	0.07
5/16	S76ATEC516	0.96	0.73	0.64	9/16	5/8	0.65	100	0.1
3/8	S76ATEC003	1.00	0.76	0.66	5/8	11/16	0.71	60	0.1
1/2	S76ATEC004	1.14	0.86	0.90	13/16	7/8	0.74	30	0.1
5/8	S76ATEC005	1.17	0.86	0.96	15/16	1	0.77	40	0.3
3/4	S76ATEC006	1.23	0.86	0.96	1-1/16	1-1/8	0.83	10	0.3
1	S76ATEC010	1.80	1.04	1.23	1-3/8	1-1/2	1.02	1	0.5

Fig. STEC – Tube End Closure (Cap) Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/4	S76STEC002	0.92	0.70	0.60	1/2	9/16	0.62	100	0.07
5/16	S76STEC516	0.96	0.73	0.64	9/16	5/8	0.65	100	0.1
3/8	S76STEC003	1.00	0.76	0.66	5/8	11/16	0.71	60	0.1
1/2	S76STEC004	1.14	0.86	0.90	13/16	7/8	0.74	30	0.1

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ASU


SSU

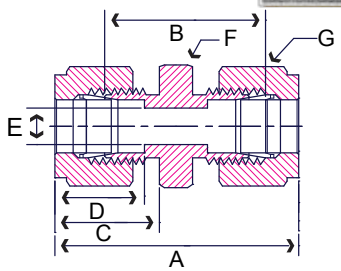

Fig. ASU – Straight Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76ASU001	1.39	0.87	0.60	0.50	0.09	7/16	7/16	100	0.08
3/16	S76ASU316	1.47	0.95	0.63	0.54	0.12	7/16	1/2	100	0.1
1/4	S76ASU002	1.60	1.02	0.70	0.60	0.19	1/2	9/16	60	0.1
5/16	S76ASU516	1.68	1.10	0.73	0.64	0.25	9/16	5/8	40	0.1
3/8	S76ASU003	1.75	1.18	0.76	0.66	0.28	5/8	11/16	40	0.1
1/2	S76ASU004	2.01	1.21	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76ASU005	2.04	1.24	0.86	0.96	0.50	15/16	1	30	0.4
3/4	S76ASU006	2.10	1.30	0.86	0.96	0.62	1-1/16	1-1/8	10	0.5
1	S76ASU010	2.54	1.58	1.04	1.23	0.88	1-3/8	1-1/2	10	0.7

Fig. SSU – Straight Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76SSU001	1.39	0.87	0.60	0.50	0.09	7/16	7/16	100	0.08
3/16	S76SSU316	1.47	0.95	0.63	0.54	0.12	7/16	1/2	100	0.1
1/4	S76SSU002	1.60	1.02	0.70	0.60	0.19	1/2	9/16	60	0.1
5/16	S76SSU516	1.68	1.10	0.73	0.64	0.25	9/16	5/8	40	0.1
3/8	S76SSU003	1.75	1.18	0.76	0.66	0.28	5/8	11/16	40	0.1
1/2	S76SSU004	2.01	1.21	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76SSU005	2.04	1.24	0.86	0.96	0.50	15/16	1	30	0.4
3/4	S76SSU006	2.10	1.30	0.86	0.96	0.62	1-1/16	1-1/8	10	0.5
1	S76SSU010	2.54	1.58	1.04	1.23	0.88	1-3/8	1-1/2	10	0.7


ABHU


SBHU

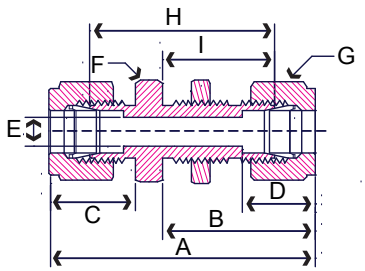

Fig. ABHU – Bulkhead Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8	S76ABHU001	2.01	1.22	0.60	0.50	0.09	1/2	7/16	1.49	0.96	100	0.09
3/16	S76SBHU316	2.11	1.26	0.63	0.54	0.12	9/16	1/2	1.59	1.00	100	0.1
1/4	S76ABHU002	2.26	1.31	0.70	0.60	0.19	5/8	9/16	1.68	1.02	60	0.1
5/16	S76ABHU516	2.38	1.40	0.73	0.64	0.25	11/16	5/8	1.80	1.11	40	0.1
3/8	S76ABHU003	2.44	1.44	0.76	0.66	0.28	3/4	11/16	1.86	1.15	30	0.2
1/2	S76ABHU004	2.79	1.64	0.86	0.90	0.41	15/16	7/8	1.99	1.24	20	0.3
5/8	S76ABHU005	2.85	1.67	0.86	0.96	0.50	1-1/16	1	2.05	1.27	20	0.5
3/4	S76ABHU006	3.10	1.86	0.86	0.96	0.63	1-3/16	1-1/8	2.30	1.46	10	0.7
1	S76ABHU010	3.76	2.25	1.04	1.23	0.88	1-5/8	1-1/2	2.80	1.77	10	0.9

Fig. SBHU – Bulkhead Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8	S76SBHU001	2.01	1.22	0.60	0.50	0.09	1/2	7/16	1.49	0.96	100	0.09
1/4	S76SBHU002	2.26	1.31	0.70	0.60	0.19	5/8	9/16	1.68	1.02	60	0.1
3/8	S76SBHU003	2.44	1.44	0.76	0.66	0.28	3/4	11/16	1.86	1.15	30	0.2
1/2	S76SBHU004	2.79	1.64	0.86	0.90	0.41	15/16	7/8	1.99	1.24	20	0.3
3/4	S76SBHU006	3.10	1.86	0.86	0.96	0.63	1-3/16	1-1/8	2.30	1.46	10	0.7

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AFC


SFC

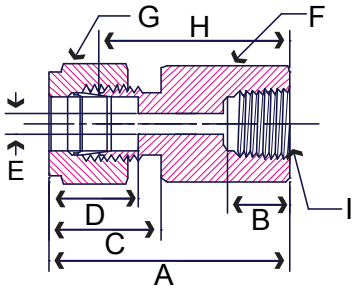

Fig. AFC – Female Connector Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AFC001001	1.12	0.40	0.60	0.50	0.09	9/16	7/16	0.86	1/8	30	0.08
1/8 x 1/4	S76AFC001002	1.31	0.59	0.60	0.50	0.09	3/4	7/16	1.05	1/4	30	0.09
3/16 x 1/8	S76AFC316001	1.17	0.39	0.63	0.54	0.12	9/16	1/2	0.91	1/8	30	0.09
1/4 x 1/8	S76AFC002001	1.22	0.39	0.70	0.60	0.19	9/16	9/16	0.93	1/8	100	0.09
1/4 x 1/4	S76AFC002002	1.40	0.59	0.70	0.60	0.19	3/4	9/16	1.11	1/4	60	0.09
1/4 x 3/8	S76AFC002003	1.47	0.59	0.70	0.60	0.19	7/8	9/16	1.18	3/8	40	0.1
1/4 x 1/2	S76AFC002004	1.66	0.78	0.70	0.60	0.19	1-1/16	9/16	1.37	1/2	20	0.1
5/16 x 1/8	S76AFC516001	1.26	0.41	0.73	0.64	0.25	9/16	5/8	0.97	1/8	100	0.1
5/16 x 1/4	S76AFC516002	1.44	0.59	0.73	0.64	0.25	3/4	5/8	1.15	1/4	60	0.1
3/8 x 1/8	S76AFC003001	1.29	0.41	0.76	0.66	0.28	5/8	11/16	1.00	1/8	40	0.1
3/8 x 1/4	S76AFC003002	1.47	0.59	0.76	0.66	0.28	3/4	11/16	1.18	1/4	40	0.1
3/8 x 3/8	S76AFC003003	1.53	0.59	0.76	0.66	0.28	7/8	11/16	1.24	3/8	30	0.1
3/8 x 1/2	S76AFC003004	1.72	0.78	0.76	0.66	0.28	1-1/16	11/16	1.48	1/2	20	0.1
1/2 x 1/4	S76AFC004002	1.58	0.59	0.86	0.90	0.41	13/16	7/8	1.18	1/4	30	0.1
1/2 x 3/8	S76AFC004003	1.64	0.59	0.86	0.90	0.41	7/8	7/8	1.24	3/8	20	0.1
1/2 x 1/2	S76AFC004004	1.83	0.78	0.86	0.90	0.41	1-1/16	7/8	1.43	1/2	10	0.2
1/2 x 3/4	S76AFC004006	1.90	0.81	0.86	0.90	0.41	1-5/16	7/8	1.50	3/4	10	0.3
5/8 x 3/8	S76AFC005003	1.65	0.59	0.86	0.96	0.50	15/16	1.00	1.25	3/8	15	0.3
5/8 x 1/2	S76AFC005004	1.84	0.78	0.86	0.96	0.50	1-1/16	1.00	1.44	1/2	15	0.4
3/4 x 1/2	S76AFC006004	1.83	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.43	1/2	10	0.5
3/4 x 3/4	S76AFC006006	1.91	0.81	0.86	0.96	0.62	1-5/16	1-1/8	1.49	3/4	10	0.6
1 x 3/4	S76AFC010006	2.09	0.81	1.04	1.23	0.88	1-3/8	1-1/2	1.61	3/4	10	0.5
1 x 1	S76AFC010010	2.44	1.00	1.04	1.23	0.88	1-5/8	1-1/2	1.96	1	10	0.6

Fig. SFC – Female Connector Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/4	S76SFC001002	1.31	0.59	0.60	0.50	0.09	3/4	7/16	1.05	1/4	30	0.09
1/4 x 1/8	S76SFC002001	1.22	0.39	0.70	0.60	0.19	9/16	9/16	0.93	1/8	100	0.09
1/4 x 1/4	S76SFC002002	1.40	0.59	0.70	0.60	0.19	3/4	9/16	1.11	1/4	60	0.09
1/4 x 3/8	S76SFC002003	1.47	0.59	0.70	0.60	0.19	7/8	9/16	1.18	3/8	40	0.1
1/4 x 1/2	S76SFC002004	1.66	0.78	0.70	0.60	0.19	1-1/16	9/16	1.37	1/2	20	0.1
3/8 x 1/4	S76SFC003002	1.47	0.59	0.76	0.66	0.28	3/4	11/16	1.18	1/4	40	0.1
3/8 x 3/8	S76SFC003003	1.53	0.59	0.76	0.66	0.28	7/8	11/16	1.24	3/8	30	0.1
3/8 x 1/2	S76SFC003004	1.72	0.78	0.76	0.66	0.28	1-1/16	11/16	1.48	1/2	20	0.1
1/2 x 1/4	S76SFC004002	1.58	0.59	0.86	0.90	0.41	13/16	7/8	1.18	1/4	30	0.1
1/2 x 3/8	S76SFC004003	1.64	0.59	0.86	0.90	0.41	7/8	7/8	1.24	3/8	20	0.1
1/2 x 1/2	S76SFC004004	1.83	0.78	0.86	0.90	0.41	1-1/16	7/8	1.43	1/2	10	0.2
1/2 x 3/4	S76SFC004006	1.90	0.81	0.86	0.90	0.41	1-5/16	7/8	1.50	3/4	10	0.3
3/4 x 1/2	S76SFC006004	1.83	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.43	1/2	10	0.5
3/4 x 3/4	S76SFC006006	1.91	0.81	0.86	0.96	0.62	1-5/16	1-1/8	1.49	3/4	10	0.6
1 x 1	S76SFC010010	2.44	1.00	1.04	1.23	0.88	1-5/8	1-1/2	1.96	1	10	0.6

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AME

SME

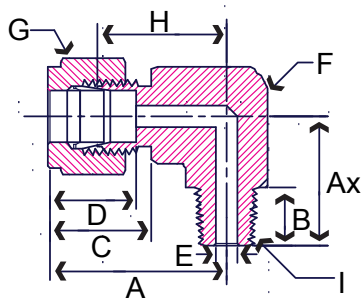

Fig. AME – Male Elbow Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AME001001	0.92	0.38	0.60	0.50	0.09	7/16	7/16	0.66	1/8	50	0.06
1/8 x 1/4	S76AME001002	0.96	0.56	0.60	0.50	0.09	1/2	7/16	0.70	1/4	40	0.07
3/16 x 1/8	S76AME316001	1.00	0.38	0.63	0.54	0.12	1/2	1/2	0.74	1/8	40	0.08
1/4 x 1/8	S76AME002001	1.05	0.38	0.70	0.60	0.19	1/2	9/16	0.76	1/8	40	0.1
1/4 x 1/4	S76AME002002	1.05	0.56	0.70	0.60	0.19	1/2	9/16	0.76	1/4	30	0.1
1/4 x 3/8	S76AME002003	1.16	0.56	0.70	0.60	0.19	11/16	9/16	0.87	3/8	20	0.1
1/4 x 1/2	S76AME002004	1.24	0.75	0.70	0.60	0.19	13/16	9/16	0.95	1/2	20	0.1
5/16 x 1/4	S76AME516002	1.12	0.56	0.73	0.64	0.25	9/16	5/8	0.84	1/4	40	0.1
3/8 x 1/8	S76AME003001	1.20	0.38	0.76	0.66	0.19	5/8	11/16	0.91	1/8	40	0.1
3/8 x 1/4	S76AME003002	1.19	0.56	0.76	0.66	0.28	5/8	11/16	0.90	1/4	30	0.1
3/8 x 3/8	S76AME003003	1.22	0.56	0.76	0.66	0.28	11/16	11/16	0.93	3/8	20	0.2
3/8 x 1/2	S76AME003004	1.30	0.75	0.76	0.66	0.28	13/16	11/16	1.01	1/2	10	0.2
1/2 x 1/4	S76AME004002	1.41	0.56	0.86	0.90	0.28	13/16	7/8	1.01	1/4	10	0.2
1/2 x 3/8	S76AME004003	1.41	0.56	0.86	0.90	0.38	13/16	7/8	1.01	3/8	10	0.2
1/2 x 1/2	S76AME004004	1.41	0.75	0.86	0.90	0.41	13/16	7/8	1.01	1/2	10	0.3
5/8 x 3/8	S76AME005003	1.50	0.56	0.86	0.96	0.38	15/16	1	1.10	3/8	15	0.4
5/8 x 1/2	S76AME005004	1.49	0.75	0.86	0.96	0.47	15/16	1	1.09	1/2	15	0.4
3/4 x 1/2	S76AME006004	1.56	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.16	1/2	10	0.7
3/4 x 3/4	S76AME006006	1.56	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.16	3/4	10	0.8
1 x 3/4	S76AME010006	1.92	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.44	3/4	5	1.0
1 x 1	S76AME010010	1.92	0.75	1.04	1.23	0.88	1-3/8	1-1/2	1.44	1	5	1.0

Fig. SME – Male Elbow Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76SME001001	0.92	0.38	0.60	0.50	0.09	7/16	7/16	0.66	1/8	50	0.06
1/8 x 1/4	S76SME001002	0.96	0.56	0.60	0.50	0.09	1/2	7/16	0.70	1/4	40	0.07
1/4 x 1/8	S76SME002001	1.05	0.38	0.70	0.60	0.19	1/2	9/16	0.76	1/8	40	0.1
1/4 x 1/4	S76SME002002	1.05	0.56	0.70	0.60	0.19	1/2	9/16	0.76	1/4	30	0.1
1/4 x 3/8	S76SME002003	1.16	0.56	0.70	0.60	0.19	11/16	9/16	0.87	3/8	20	0.1
5/16 x 1/4	S76SME516002	1.12	0.56	0.73	0.64	0.25	9/16	5/8	0.84	1/4	40	0.1
3/8 x 1/8	S76SME003001	1.20	0.38	0.76	0.66	0.19	5/8	11/16	0.91	1/8	40	0.1
3/8 x 1/4	S76SME003002	1.19	0.56	0.76	0.66	0.28	5/8	11/16	0.90	1/4	30	0.1
3/8 x 3/8	S76SME003003	1.22	0.56	0.76	0.66	0.28	11/16	11/16	0.93	3/8	20	0.2
3/8 x 1/2	S76SME003004	1.30	0.75	0.76	0.66	0.28	13/16	11/16	1.01	1/2	10	0.2
1/2 x 1/4	S76SME004002	1.41	0.56	0.86	0.90	0.28	13/16	7/8	1.01	1/4	10	0.2
1/2 x 3/8	S76SME004003	1.41	0.56	0.86	0.90	0.38	13/16	7/8	1.01	3/8	10	0.2
1/2 x 1/2	S76SME004004	1.41	0.75	0.86	0.90	0.41	13/16	7/8	1.01	1/2	10	0.3
3/4 x 1/2	S76SME006004	1.56	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.16	1/2	10	0.7
3/4 x 3/4	S76SME006006	1.56	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.16	3/4	10	0.8
1 x 3/4	S76SME010006	1.92	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.44	3/4	5	1.0
1 x 1	S76SME010010	1.92	0.75	1.04	1.23	0.88	1-3/8	1-1/2	1.44	1	5	1.0

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AFE

SFE

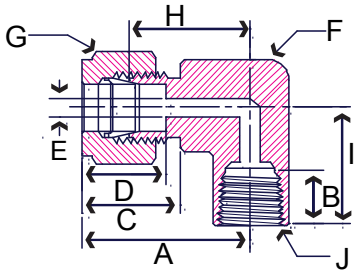


Fig. AFE – Female Elbow Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	Packing	Weight lb
1/8 x 1/8	S76AFE001001	0.96	0.41	0.60	0.50	0.09	1/2	7/16	0.71	0.74	1/8	40	0.09
1/8 x 1/4	S76AFE001002	1.07	0.59	0.60	0.50	0.09	11/16	7/16	0.81	0.87	1/4	30	0.1
3/16 x 1/8	S76AFE316001	1.00	0.41	0.63	0.54	0.12	1/2	1/2	0.74	0.75	1/8	40	0.1
3/16 x 1/4	S76AFE316002	1.10	0.59	0.63	0.54	0.12	3/4	1/2	0.81	0.88	1/4	30	0.1
1/4 x 1/8	S76AFE002001	1.05	0.41	0.70	0.60	0.19	1/2	9/16	0.76	0.74	1/8	40	0.1
1/4 x 1/4	S76AFE002002	1.16	0.59	0.70	0.60	0.19	11/16	9/16	0.87	0.87	1/4	30	0.2
1/4 x 3/8	S76AFE002003	1.24	0.59	0.70	0.60	0.19	13/16	9/16	0.95	0.87	3/8	30	0.3
1/4 x 1/2	S76AFE002004	1.35	0.78	0.70	0.60	0.19	1	9/16	1.06	1.11	1/2	20	0.4
5/16 x 1/4	S76AFE516002	1.19	0.59	0.73	0.64	0.25	11/16	5/8	0.90	0.87	1/4	30	0.3
3/8 x 1/8	S76AFE003001	1.20	0.41	0.76	0.66	0.28	5/8	11/16	0.91	0.75	1/8	30	0.2
3/8 x 1/4	S76AFE003002	1.22	0.59	0.76	0.66	0.28	11/16	11/16	0.93	0.87	1/4	30	0.3
3/8 x 3/8	S76AFE003003	1.30	0.59	0.76	0.66	0.28	13/16	11/16	1.01	0.87	3/8	20	0.3
3/8 x 1/2	S76AFE003004	1.41	0.78	0.76	0.66	0.28	1	11/16	1.12	1.11	1/2	20	0.3
1/2 x 1/4	S76AFE004002	1.41	0.59	0.86	0.90	0.41	13/16	7/8	1.01	0.87	1/4	10	0.3
1/2 x 3/8	S76AFE004003	1.41	0.59	0.86	0.90	0.41	13/16	7/8	1.01	0.87	3/8	10	0.4
1/2 x 1/2	S76AFE004004	1.52	0.78	0.86	0.90	0.41	1	7/8	1.12	1.11	1/2	10	0.5
5/8 x 3/8	S76AFE005003	1.50	0.59	0.86	0.96	0.50	15/16	1	1.10	0.88	3/8	15	0.4
5/8 x 1/2	S76AFE005004	1.52	0.78	0.86	0.96	0.50	1-1/16	1	1.16	1.11	1/2	15	0.5
3/4 x 1/2	S76AFE006004	1.56	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.16	1.11	1/2	10	0.6
3/4 x 3/4	S76AFE006006	1.75	0.81	0.86	0.96	0.62	1-3/8	1-1/8	1.35	1.24	3/4	10	0.8
3/4 x 1	S76AFE006010	1.93	1.00	0.86	0.96	0.62	1-5/8	1-1/8	1.53	1.50	1	10	1.1
1 x 1	S76AFE010010	2.10	1.00	1.04	1.23	0.88	1-11/16	1-1/2	1.62	1.49	1	10	0.9

Fig. SFE – Female Elbow Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	Packing	Weight lb
1/4 x 1/4	S76SFE002002	1.16	0.59	0.70	0.60	0.19	11/16	9/16	0.87	0.87	1/4	30	0.2
3/8 x 1/4	S76SFE003002	1.22	0.59	0.76	0.66	0.28	11/16	11/16	0.93	0.87	1/4	30	0.3
3/8 x 3/8	S76SFE003003	1.30	0.59	0.76	0.66	0.28	13/16	11/16	1.01	0.87	3/8	20	0.3
1/2 x 1/2	S76SFE004004	1.52	0.78	0.86	0.90	0.41	1	7/8	1.12	1.11	1/2	10	0.5
3/4 x 1/2	S76SFE006004	1.56	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.16	1.11	1/2	10	0.6

SCI Pro Pak System

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

AUE

SUE

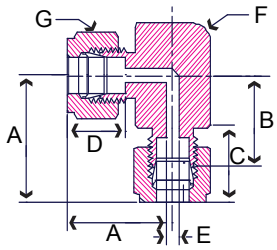


Fig. AUE – Union Elbow Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUE001	0.87	0.61	0.43	0.34	0.05	3/8	5/16	50	0.1
3/16	S76AUE316	1.00	0.74	0.63	0.54	0.12	1/2	1/2	50	0.1
1/4	S76AUE002	1.05	0.76	0.70	0.60	0.19	1/2	9/16	40	0.1
5/16	S76AUE516	1.12	0.83	0.73	0.64	0.25	9/16	5/8	30	0.2
3/8	S76AUE003	1.19	0.90	0.76	0.66	0.28	5/8	11/16	30	0.3
1/2	S76AUE004	1.41	1.01	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76AUE005	1.49	1.09	0.86	0.96	0.50	15/16	1	20	0.4
3/4	S76AUE006	1.56	1.16	0.86	0.96	0.62	1-1/16	1-1/8	10	0.4
1	S76AUE010	1.92	1.44	1.04	1.23	0.88	1-3/8	1-1/2	10	0.4

Fig. SUE – Union Elbow Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/4	S76SUE002	1.05	0.76	0.70	0.60	0.19	1/2	9/16	40	0.1
3/8	S76SUE003	1.19	0.90	0.76	0.66	0.28	5/8	11/16	30	0.3
1/2	S76SUE004	1.41	1.01	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76SUE005	1.49	1.09	0.86	0.96	0.50	15/16	1	20	0.4
3/4	S76SUE006	1.56	1.16	0.86	0.96	0.62	1-1/16	1-1/8	10	0.4
1	S76SUE010	1.92	1.44	1.04	1.23	0.88	1-3/8	1-1/2	10	0.4

AUC

SUC

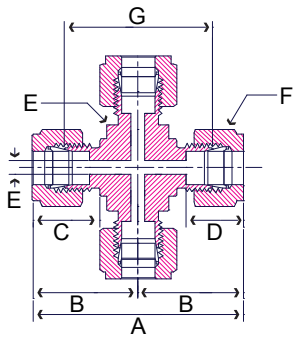


Fig. AUC – Union Cross Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUCR001	1.74	0.87	0.60	0.50	3/8	7/16	1.22	40	0.2
1/4	S76AUCR002	2.10	1.05	0.70	0.60	1/2	9/16	1.52	20	0.2
5/16	S76AUCR516	2.32	1.16	0.73	0.64	5/8	5/8	1.74	20	0.4
3/8	S76AUCR003	2.38	1.19	0.76	0.66	5/8	11/16	1.80	20	0.4
1/2	S76AUCR004	2.82	1.41	0.86	0.41	13/16	7/8	2.02	4	0.5
5/8	S76AUCR005	3.04	1.52	0.86	0.96	15/16	1.00	2.26	10	0.9
3/4	S76AUCR006	3.12	1.56	0.86	0.96	1-1/16	1-1/8	2.34	2	1.3
1	S76AUCR010	3.85	1.92	1.05	1.23	1-3/8	1-1/2	2.90	2	1.3

Fig. SUC – Union Cross Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/2	S76SUCR004	2.82	1.41	0.86	0.41	13/16	7/8	2.02	4	0.5

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

Series S76BVH & S76SBVH
316 Stainless Steel Instrumentation Ball Valve

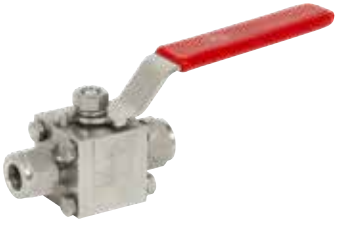
- 1000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends - S76BVH
- Single ferrule instrumentation tube ends - S76SBVH

Tube OD in	Part Number		Packing		Weight lb
	Double Ferrule	Single Ferrule	Inner	Master	
1/4	S76BVH002	S76SBVH002	1	10	0.4
3/8	S76BVH003	S76SBVH003	1	10	0.4
1/2	S76BVH004	S76SBVH004	1	10	0.7
3/4	S76BVH006	S76SBVH006	1	10	1.0
1	S76BVH010	S76SBVH010	1	10	1.6

Series S76BVH6
316 Stainless Steel Instrumentation Ball Valve

- 6000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH6002	1	10	0.4
3/8	S76BVH6003	1	10	0.4
1/2	S76BVH6004	1	10	0.7
3/4	S76BVH6006	1	10	1.0
1	S76BVH6010	1	10	1.6



Series S76BVH3
316 Stainless Steel Instrumentation Ball Valve

- 3000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH3002	1	10	0.6
3/8	S76BVH3003	1	10	0.7
1/2	S76BVH3004	1	10	0.8
3/4	S76BVH3006	1	10	1.6
1	S76BVH3010	1	10	2.5

Series S76PCV3 & S76SPCV3
316 Stainless Steel Instrumentation Check Valve

- 3000 psi @ 200° F
- Cracking Pressure 7 psi
- PTFE seats
- Double ferrule instrumentation tube ends - S76PCV3
- Single ferrule instrumentation tube ends - S76SPCV3

Tube OD in	Part Number		Packing		Weight lb
	Double Ferrule	Single Ferrule	Inner	Master	
1/4	S76PCV3002	S76SPCV3002	1	10	0.3
3/8	S76PCV3003	S76SPCV3003	1	10	0.3
1/2	S76PCV3004	S76SPCV3004	1	10	0.5
3/4	S76PCV3006	S76SPCV3006	1	10	0.6
1	S76PCV3010	S76SPCV3010	1	10	1.5

Series S7166NV
316 Stainless Steel Needle Valve

- 6000 lb. CWP
- Straight pattern
- NPT threaded ends
- 0°F to 450°F

Size in	Part Number	Weight lb
	Threaded	
1/4	S7166NV002	1.0
3/8	S7166NV003	1.1
1/2	S7166NV004	1.6
3/4	S7166NV006	1.9
1	S7166NV010	3.1

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Fig. S64ST4 & S64ST6 – Seamless Instrumentation Tubing

Tube OD	Wall Thickness	Part Number		ID	Tube Length	Weight
in	in	304/L	316/L	in	ft	lb / ft
1/8	0.035	S64ST4035001	S64ST6035001	0.055	20	0.03
1/8	0.049	S64ST4049001	S64ST6049001	0.027	20	0.04
1/4	0.028	S64ST4028002	S64ST6028002	0.194	20	0.06
1/4	0.035	S64ST4035002	S64ST6035002	0.180	20	0.08
1/4	0.049	S64ST4049002	S64ST6049002	0.152	20	0.1
1/4	0.065	S64ST4065002	S64ST6065002	0.120	20	0.1
1/4	0.083	S64ST4083002	S64ST6083002	0.084	20	0.1
5/16	0.035	S64ST4035516	S64ST6035516	0.243	20	0.1
3/8	0.035	S64ST4035003	S64ST6035003	0.305	20	0.1
3/8	0.049	S64ST4049003	S64ST6049003	0.277	20	0.1
3/8	0.065	S64ST4065003	S64ST6065003	0.245	20	0.2
3/8	0.083	S64ST4083003	S64ST6083003	0.209	20	0.2
1/2	0.035	S64ST4035004	S64ST6035004	0.430	20	0.1
1/2	0.049	S64ST4049004	S64ST6049004	0.402	20	0.2
1/2	0.065	S64ST4065004	S64ST6065004	0.370	20	0.3
1/2	0.083	S64ST4083004	S64ST6083004	0.334	20	0.4
1/2	0.120	S64ST4120004	S64ST6120004	0.260	20	0.5
5/8	0.035	S64ST4035005	S64ST6035005	0.555	20	0.2
5/8	0.049	S64ST4049005	S64ST6049005	0.527	20	0.3
5/8	0.065	S64ST4065005	S64ST6065005	0.495	20	0.3
5/8	0.083	S64ST4083005	S64ST6083005	0.509	20	0.5
3/4	0.035	S64ST4035006	S64ST6035006	0.680	20	0.2
3/4	0.049	S64ST4049006	S64ST6049006	0.652	20	0.3
3/4	0.065	S64ST4065006	S64ST6065006	0.620	20	0.4
3/4	0.083	S64ST4083006	S64ST6083006	0.584	20	0.6
3/4	0.095	S64ST4095006	S64ST6095006	0.560	20	0.7
1	0.035	S64ST4035010	S64ST6035010	0.930	20	0.3
1	0.049	S64ST4049010	S64ST6049010	0.902	20	0.4
1	0.065	S64ST4065010	S64ST6065010	0.870	20	0.6
1	0.083	S64ST4083010	S64ST6083010	0.834	20	0.8
1	0.095	S64ST4095010	S64ST6095010	0.810	20	0.9
1	0.120	S64ST4120010	S64ST6120010	0.760	20	1.1
1-1/4	0.065	S64ST4065012	S64ST6065012	1.120	20	0.8

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