



SMITH - COOPER INTERNATIONAL



125# Bronze Threaded Fittings

* ISO 9000 MANUFACTURER
* CLASS 125, 200# WOG

*ANSI B16.15
*ASTM B62

*ANSI B 1.20.1
*WW-U-516G

Bronze 90° Elbow

Figure 36E	Size	A	Wgt
	1/8"	0.54	0.08
	1/4"	0.71	0.10
	3/8"	0.82	0.18
	1/2"	1.01	0.22
	3/4"	1.18	0.38
	1"	1.43	0.62
	1-1/4"	1.69	0.94
	1-1/2"	1.84	1.26
	2"	2.12	2.06
	2-1/2"	2.70	3.34
	3"	3.08	5.46
4"	3.79	10.9	

Bronze Reducing 90° Elbow

Fig. 36RE	Size	A	B	Wgt
	3/8 x 1/4	0.78	0.75	0.12
	1/2 x 1/4	0.98	0.97	0.17
	1/2 x 3/8	0.93	0.90	0.18
	3/4 x 1/4	1.08	1.05	0.24
	3/4 x 3/8	1.13	1.12	0.32
	3/4 x 1/2	1.11	1.08	0.35
	1 x 1/2	1.24	1.20	0.45
	1 x 3/4	1.31	1.30	0.50
	1-1/4 x 1/2	1.53	1.34	0.70
	1-1/4 x 3/4	1.48	1.39	0.80
	1-1/4 x 1	1.60	1.52	0.88
	1-1/2 x 1/2	1.62	1.38	0.84
	1-1/2 x 3/4	1.72	1.52	0.90
	1-1/2 x 1	1.72	1.55	0.96
	1-1/2 x 1-1/4	1.81	1.72	0.97
	2 x 1/2	1.90	1.56	1.04
	2 x 3/4	1.90	1.68	1.22
	2 x 1	2.02	1.73	1.46
	2 x 1-1/4	2.10	1.90	1.62
	2 x 1-1/2	2.07	1.89	1.69
	2-1/2 x 1	2.36	1.87	2.28
	2-1/2 x 1-1/4	2.44	2.03	2.48
	2-1/2 x 1-1/2	2.51	2.16	2.68
	2-1/2 x 2	2.60	2.39	2.88
	3 x 1-1/4	2.74	2.16	2.82
	3 x 1-1/2	2.80	2.28	2.92
	3 x 2	2.89	2.52	3.70
3 x 2-1/2	2.99	2.83	3.80	

Bronze 45° Elbow

Figure 36F	Size	A	Wgt
	1/8"	0.42	0.07
	1/4"	0.56	0.11
	3/8"	0.63	0.15
	1/2"	0.78	0.22
	3/4"	0.89	0.34
	1"	1.06	0.57
	1-1/4"	1.22	0.84
	1-1/2"	1.30	1.14
	2"	1.45	1.70
	2-1/2"	1.95	2.97
	3"	2.17	4.65
4"	2.61	7.62	

Bronze Street 90° Elbow

Figure 36SE	Size	A	B	Wgt
	1/8"	0.92	0.54	0.06
	1/4"	1.11	0.71	0.10
	3/8"	1.24	0.82	0.14
	1/2"	1.01	1.48	0.24
	3/4"	1.65	1.18	0.36
	1"	1.98	1.43	0.56
	1-1/4"	2.24	1.69	0.92
	1-1/2"	2.46	1.84	1.22
	2"	2.88	2.12	1.92
	2-1/2"	3.86	2.70	4.06
	3"	4.51	3.08	6.10
4"	5.69	3.79	9.44	

Bronze Street 45° Elbow

Figure 36SF	Size	A	B	Wgt
	1/8"	0.42	0.78	0.08
	1/4"	0.56	0.88	0.10
	3/8"	0.63	0.92	0.12
	1/2"	0.78	1.06	0.22
	3/4"	0.89	1.23	0.34
	1"	1.06	1.40	0.54
	1-1/4"	1.22	1.64	0.82
	1-1/2"	1.30	1.80	1.06
	2"	1.45	2.14	1.54
	2-1/2"	1.95	2.57	3.16
	3"	2.17	3.00	5.02
4"	2.61	3.70	8.92	



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Bronze Straight Tee

Figure 36T	Size	A	Wgt
	1/8"	0.69	0.12
	1/4"	0.81	0.15
	3/8"	0.95	0.23
	1/2"	1.12	0.34
	3/4"	1.31	0.50
	1"	1.50	0.80
	1-1/4"	1.75	1.30
	1-1/2"	1.94	1.68
	2"	2.25	2.63
	2-1/2"	2.70	4.72
3"	3.08	7.10	
4"	3.79	12.0	

Bronze Reducing Tee (con't)

Size	A	B	C	Wgt
1-1/2 x 1/2 x 1-1/4	1.81	1.56	1.88	1.37
1-1/2 x 3/4 x 3/4	1.55	1.35	1.77	1.26
1-1/2 x 1 x 1-1/4	1.82	1.67	1.88	1.47
1-1/2 x 1-1/4 x 1/2	1.41	1.34	1.66	1.28
1-1/2 x 1-1/4 x 3/4	1.52	1.45	1.75	1.32
1-1/2 x 1-1/4 x 1	1.65	1.58	1.80	1.40
1-1/2 x 1-1/4 x 1-1/2	1.94	1.88	1.94	1.50
1-1/2 x 1-1/2 x 1/2	1.41	1.41	1.66	1.16
1-1/2 x 1-1/2 x 3/4	1.52	1.52	1.75	1.23
1-1/2 x 1-1/2 x 1	1.65	1.65	1.80	1.34
1-1/2 x 1-1/2 x 1-1/4	1.82	1.82	1.88	1.42
2 x 1-1/2 x 3/4	1.60	1.52	1.97	1.61
2 x 1-1/2 x 1	1.73	1.65	2.02	1.65
2 x 1-1/2 x 1-1/4	1.90	1.82	2.10	1.96
2 x 2 x 1/2	1.49	1.49	1.88	1.50
2 x 2 x 3/4	1.60	1.60	1.97	1.67
2 x 2 x 1	1.73	1.73	2.02	1.94
2 x 2 x 1-1/4	1.90	1.90	2.10	2.00
2 x 2 x 1-1/2	2.02	2.02	2.16	2.26
2-1/2 x 2-1/2 x 1-1/4	2.04	2.04	2.45	3.66
2-1/2 x 2-1/2 x 1-1/2	2.16	2.16	2.51	4.20
2-1/2 x 2-1/2 x 2	2.39	2.39	2.60	4.64
3 x 3 x 3/4	1.87	1.87	2.61	3.85
3 x 3 x 1	2.00	2.00	2.66	3.92
3 x 3 x 1-1/4	2.17	2.17	2.74	4.02
3 x 3 x 1-1/2	2.29	2.29	2.80	4.90
3 x 3 x 2	2.52	2.52	2.89	5.79
3 x 3 x 2-1/2	2.83	2.83	2.99	6.09
4 x 4 x 1	2.27	2.27	3.32	6.56
4 x 4 x 1-1/4	2.41	2.41	3.32	6.76
4 x 4 x 1-1/2	2.51	2.51	3.32	7.26
4 x 4 x 2	2.74	2.74	3.41	7.92
4 x 4 x 3	3.30	3.30	3.60	9.50

Bronze Reducing Tee

Figure # 36RT	Size	A	B	C	Wgt
	3/8 x 3/8 x 1/4	0.81	0.81	0.86	0.24
	1/2 x 1/2 x 1/8	0.91	0.91	0.97	0.24
	1/2 x 1/2 x 1/4	0.97	0.97	0.98	0.28
	1/2 x 1/2 x 3/8	1.04	1.04	1.03	0.28
	3/4 x 1/2 x 1/2	1.20	1.12	1.22	0.32
	3/4 x 1/2 x 3/4	1.31	1.22	1.31	0.34
	3/4 x 3/4 x 1/4	1.12	1.12	1.12	0.34
	3/4 x 3/4 x 3/8	1.12	1.12	1.13	0.42
	3/4 x 3/4 x 1/2	1.20	1.20	1.22	0.46
	1 x 1/2 x 1/2	1.26	1.12	1.36	0.55
1 x 1/2 x 3/4	1.37	1.22	1.45	0.64	
1 x 1/2 x 1	1.50	1.36	1.50	0.70	
1 x 3/4 x 1/2	1.26	1.20	1.36	0.59	
1 x 3/4 x 3/4	1.38	1.31	1.45	0.73	
1 x 3/4 x 1	1.50	1.45	1.50	0.77	
1 x 1 x 1/4	1.12	1.12	1.25	0.60	
1 x 1 x 3/8	1.18	1.18	1.27	0.66	
1 x 1 x 1/2	1.26	1.26	1.36	0.66	
1 x 1 x 3/4	1.38	1.38	1.45	0.72	
1-1/4 x 1/2 x 3/4	1.45	1.26	1.53	0.85	
1-1/4 x 1/2 x 1	1.58	1.36	1.67	0.87	
1-1/4 x 1 x 1/2	1.34	1.26	1.53	0.88	
1-1/4 x 1-1/4 x 1/2	1.34	1.34	1.53	0.92	
1-1/4 x 1-1/4 x 3/4	1.45	1.45	1.62	0.96	
1-1/4 x 1-1/4 x 1	1.58	1.58	1.67	1.10	

Bronze Bull Head Reducing Tee

Figure # 36BT	Size	A	B	C	Wgt
	1/2 x 1/2 x 3/4	1.22	1.22	1.20	0.44
	3/4 x 3/4 x 1	1.45	1.45	1.37	0.66
	1 x 1 x 1-1/2	1.72	1.72	1.55	1.10



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Bronze Cross

Figure 36X	Size	A	Wgt
	1/8"	0.54	0.14
	1/4"	0.71	0.18
	3/8"	0.82	0.32
	1/2"	1.01	0.36
	3/4"	1.18	0.56
	1"	1.43	0.90
	1-1/4"	1.69	1.70
	1-1/2"	1.84	1.84
	2"	2.12	3.52
	2-1/2"	2.70	5.90
	3"	3.08	7.40
	4"	3.79	10.6

Bronze Reducing Coupling (con't)

Fig. 36RC	Size	A	Wgt
	1 x 1/4	1.49	0.35
	1 x 3/8	1.49	0.38
	1 x 1/2	1.49	0.36
	1 x 3/4	1.56	0.40
	1-1/4 x 1/2	1.65	0.60
	1-1/4 x 3/4	1.65	0.64
	1-1/4 x 1	1.77	0.68
	1-1/2 x 1/2	1.80	0.77
	1-1/2 x 3/4	1.80	0.88
	1-1/2 x 1	1.80	0.90
	1-1/2 x 1-1/4	1.89	0.90
	2 x 1/2	2.03	0.98
	2 x 3/4	2.03	0.94
	2 x 1	2.03	1.12
	2 x 1-1/4	2.03	1.12
	2 x 1-1/2	2.06	1.12
	2-1/2 x 1	2.56	2.12
	2-1/2 x 1-1/4	2.56	2.00
	2-1/2 x 1-1/2	2.56	2.14
	2-1/2 x 2	2.56	1.78
	3 x 1	2.87	2.52
	3 x 1-1/4	2.87	2.18
	3 x 1-1/2	2.87	2.42
	3 x 2	3.69	2.94
3 x 2-1/2	3.69	4.00	
4 x 2	3.38	5.02	
4 x 2-1/2	4.38	5.84	
4 x 3	4.38	6.20	

Bronze Coupling

Figure 36CP	Size	A	Wgt
	1/8"	0.96	0.04
	1/4"	1.06	0.09
	3/8"	1.16	0.13
	1/2"	1.34	0.20
	3/4"	1.52	0.29
	1"	1.67	0.48
	1-1/4"	1.93	0.68
	1-1/2"	2.15	0.90
	2"	2.53	1.32
	2-1/2"	2.88	2.20
	3"	3.18	3.50
	4"	3.69	5.24
	6"	4.12	9.75

Bronze Reducing Coupling

Fig. 36RC	Size	A	Wgt
	1/4 x 1/8	1.00	0.07
	3/8 x 1/8	1.13	0.10
	3/8 x 1/4	1.13	0.11
	1/2 x 1/8	1.13	0.14
	1/2 x 1/4	1.13	0.15
	1/2 x 3/8	1.17	0.16
	3/4 x 1/8	1.24	0.30
	3/4 x 1/4	1.24	0.22
	3/4 x 3/8	1.24	0.22
	3/4 x 1/2	1.36	0.24

Bronze Locknuts

Fig. 36LN	Size	A	B	Wgt
	1/8"	0.21	0.74	0.02
	1/4"	0.26	0.85	0.02
	3/8"	0.30	1.05	0.04
	1/2"	0.38	1.25	0.08
	3/4"	0.40	1.50	0.12
	1"	0.50	1.88	0.2
	1-1/4"	0.50	2.15	0.24
	1-1/2"	0.53	2.56	0.36
	2"	0.57	3.10	0.58
	2-1/2"	0.72	4.00	1.28



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Bronze Hex Bushing

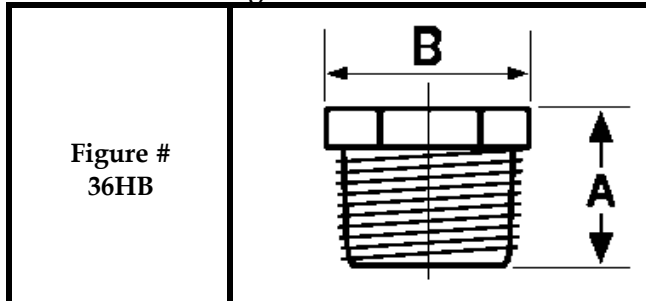


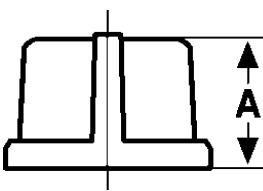
Figure #
36HB

Size	A	B	Wgt	Hex
1/4 x 1/8	0.65	0.66	0.04	Out
3/8 x 1/8	0.70	0.70	0.06	Out
3/8 x 1/4	0.70	0.73	0.04	Out
1/2 x 1/8	0.81	0.90	0.10	Out
1/2 x 1/4	0.81	0.90	0.10	Out
1/2 x 3/8	0.81	0.90	0.08	Out
3/4 x 1/8	0.88	1.18	0.16	Out
3/4 x 1/4	0.93	1.18	0.18	Out
3/4 x 3/8	0.93	1.18	0.16	Out
3/4 x 1/2	0.93	1.18	0.14	Out
1 x 1/4	1.13	1.12	0.24	In
1 x 3/8	1.13	1.12	0.23	In
1 x 1/2	1.10	1.44	0.30	Out
1 x 3/4	1.10	1.44	0.23	Out
1-1/4 x 1/2	1.18	1.80	0.48	Out
1-1/4 x 3/4	1.18	1.80	0.44	Out
1-1/4 x 1	1.18	1.80	0.38	Out
1-1/2 x 1/4	1.27	1.15	0.48	In
1-1/2 x 3/8	1.30	2.12	0.70	Out
1-1/2 x 1/2	1.27	1.34	0.50	In
1-1/2 x 3/4	1.27	1.63	0.52	In
1-1/2 x 1	1.19	2.04	0.58	Out
1-1/2 x 1-1/4	1.19	2.04	0.42	Out
2 x 1/2	1.35	1.36	0.68	In
2 x 3/4	1.35	1.65	0.74	In
2 x 1	1.35	2.00	0.82	In
2 x 1-1/4	1.35	2.50	0.86	Out
2 x 1-1/2	1.35	2.55	0.76	Out
2-1/2 x 1/2	1.64	3.15	1.80	Out
2-1/2 x 3/4	1.58	1.65	1.26	In
2-1/2 x 1	1.58	2.00	1.16	In
2-1/2 x 1-1/4	1.60	3.15	1.42	Out
2-1/2 x 1-1/2	1.52	2.70	1.38	In
2-1/2 x 2	1.62	3.15	1.12	Out

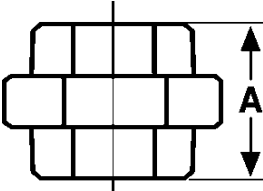
Bronze Hex Bushing (con't)

Size	A	B	Wgt	Hex
3 x 1/2	1.60	1.35	1.70	In
3 x 3/4	1.70	1.65	1.70	In
3 x 1	1.60	2.00	1.80	In
3 x 1-1/4	1.70	2.40	1.85	In
3 x 1-1/2	1.70	2.70	1.94	In
3 x 2	1.70	3.25	1.94	In
3 x 2-1/2	1.70	3.90	1.94	Out
4 x 1-1/2	1.80	2.70	3.16	In
4 x 2	1.80	3.30	3.24	In
4 x 2-1/2	2.10	4.75	4.66	Out
4 x 3	2.10	4.75	3.66	Out

Bronze Cap

Figure 36C	Size	A	Wgt
	1/8"	0.53	0.05
	1/4"	0.63	0.06
	3/8"	0.68	0.08
	1/2"	0.80	0.15
	3/4"	0.90	0.22
	1"	1.08	0.35
	1-1/4"	1.12	0.52
	1-1/2"	1.17	0.68
	2"	1.36	1.06
	2-1/2"	1.70	2.04
	3"	1.80	2.72
	4"	2.08	5.08
	6"	2.58	10.7

Bronze Union

Fig. 36U	Size	A	Wgt
	1/8"	1.34	0.16
	1/4"	1.50	0.24
	3/8"	1.53	0.36
	1/2"	1.81	0.50
	3/4"	1.93	0.68
	1"	2.11	0.98
	1-1/4"	2.37	1.48
	1-1/2"	2.60	1.84
	2"	2.91	3.00
	2-1/2"	3.30	4.66
	3"	3.60	6.00
	4"	4.70	13.1



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Bronze Square Head Plug, Solid

Figure 36SS	Size	A	Wgt
	1/8"	0.65	0.02
	1/4"	0.75	0.04
	3/8"	0.85	0.06
	1/2"	1.00	0.15
	3/4"	1.15	0.21
	1"	1.30	0.38
	1-1/4"	1.40	0.55
	1-1/2"	1.50	0.81
	2"	1.60	1.23
	2-1/2"	1.85	2.80
	3"	1.95	5.30
	4"	2.30	8.38

Bronze Countersunk Square Plug

Figure 36CS	Size	A	Socket	Wgt
	1/2"	0.54	0.38	0.06
	3/4"	0.55	0.50	0.10
	1"	0.69	0.50	0.22
	1-1/4"	0.71	0.75	0.37
	1-1/2"	0.73	0.75	0.54
	2"	0.76	0.88	0.86
	2-1/2"	1.07	1.12	1.66
	3"	1.13	1.38	2.56
	4"	1.22	2.00	4.56

Bronze Square Head Plug, Cored

Figure 36SC	Size	A	Wgt
	1/2"	1.00	0.09
	3/4"	1.15	0.16
	1"	1.30	0.26
	1-1/4"	1.40	0.37
	1-1/2"	1.50	0.60
	2"	1.60	0.68
	2-1/2"	1.85	1.30
	4"	2.30	3.88

Bronze Floor Flange

Fig. 36FF				
Size	A	B	HOLE	Wgt
1/4"	2.80	2.00	0.31	0.34
3/8"	2.80	2.00	0.31	0.34
1/2"	2.95	2.00	0.25	0.36
3/4"	3.35	2.45	0.30	0.50
1"	3.70	2.70	0.30	0.60
1-1/4"	3.95	3.00	0.30	0.78
1-1/2"	4.30	3.35	0.33	0.90
2"	5.60	4.25	0.33	1.68

150# Bronze Threaded Flange ASME B16.24

Fig. 16TH					
Size	HOLEx#	A	B	C	Wgt
1/2"	0.62x4	3.50	2.38	0.59	0.84
3/4"	0.62x4	3.88	2.75	0.62	0.98
1"	0.62x4	4.25	3.12	0.69	1.52
1-1/4"	0.62x4	4.62	3.50	0.81	2.02
1-1/2"	0.62x4	5.00	3.88	0.88	2.52
2"	0.75x4	6.00	4.75	1.00	4.06
2-1/2"	0.75x4	7.00	5.50	1.12	6.12
3"	0.75x4	7.50	6.00	1.19	6.86
4"	0.75x8	9.00	7.50	1.31	11.2
6"	0.88x8	11.0	9.50	1.56	17.5

150# Bronze Blind Flange ASME B16.24

Fig. 16BL					
Size	HOLEx#	A	B	C	Wgt
1/2"	0.62x4	3.50	2.38	0.59	0.88
3/4"	0.62x4	3.88	2.75	0.62	1.06
1"	0.62x4	4.25	3.12	0.69	1.82
1-1/4"	0.62x4	4.62	3.50	0.81	2.20
1-1/2"	0.62x4	5.00	3.88	0.88	2.94
2"	0.75x4	6.00	4.75	1.00	5.04
2-1/2"	0.75x4	7.00	5.50	1.12	8.20
3"	0.75x4	7.50	6.00	1.19	9.38
4"	0.75x8	9.00	7.50	1.31	16.9
6"	0.88x8	11.0	9.50	1.56	32.4