Bronze Fittings Class 125
Bronze Flanges Class 150

*See page 51 for Lead Free

Bronze Fittings Class 125
Bronze Flanges Class 150

Bronze Fitting Specifications

- SCI branded bronze fittings are UL Listed
- Canadian Registration Numbers available at www.smithcooper.com
- Bronze fittings conform to AWWA C800
- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze fitting dimensions conform to ASME B16.15
- Thread protectors on all male threads
- NPT threads on all fittings conform to ASME B1.20.1
- Bronze unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008
- SCI trademarked fittings and are 100% air tested
- ProPak™ Packaging

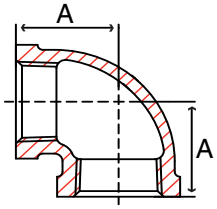
Bronze Flange Specifications

- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze flange dimensions conform to ASME B16.24
- NPT threads on all flanges conform to ASME B1.20.1
- Manufacturing facilities are ISO 9001:2008

Lead Free brass fittings
See page 51

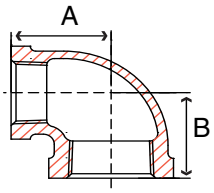
SCI ProPak™ System

Fig. 36E 1 – 90° Elbow



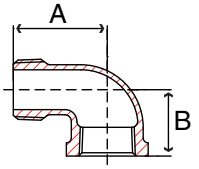
Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/8	36E 1001C	0.54	50	800	0.1
1/4	36E 1002C	0.71	35	560	0.1
3/8	36E 1003C	0.82	45	360	0.1
1/2	36E 1004C	1.01	50	200	0.2
3/4	36E 1006C	1.18	35	140	0.3
1	36E 1010C	1.43	20	80	0.6
1-1/4	36E 1012C	1.69	20	40	0.9
1-1/2	36E 1014C	1.84	15	30	1.2
2	36E 1020C	2.12	8	16	2.0
2-1/2	36E 1024C	2.70	6	12	3.8
3	36E 1030C	3.08	-	7	4.7
4	36E 1040C	3.79	-	3	9.7

Fig. 36RE1 – 90° Reducing Elbow



Size in	Part Number	A in	B in	Packing Inner	Packing Master	Weight lb
3/8 x 1/4	36RE1003002C	0.78	0.75	60	480	0.1
1/2 x 1/4	36RE1004002C	0.98	0.97	50	400	0.2
1/2 x 3/8	36RE1004003C	0.93	0.90	50	200	0.2
3/4 x 1/4	36RE1006002C	1.08	1.05	40	160	0.2
3/4 x 3/8	36RE1006003C	1.13	1.12	40	160	0.3
3/4 x 1/2	36RE1006004C	1.11	1.08	50	200	0.4
1 x 1/2	36RE1010004C	1.24	1.20	25	100	0.5
1 x 3/4	36RE1010006C	1.31	1.30	30	120	0.5
1-1/4 x 1/2	36RE1012004C	1.53	1.34	20	80	0.6
1-1/4 x 3/4	36RE1012006C	1.48	1.39	15	60	0.7
1-1/4 x 1	36RE1012010C	1.60	1.52	10	40	0.7
1-1/2 x 1/2	36RE1014004C	1.62	1.38	15	60	0.7
1-1/2 x 3/4	36RE1014006C	1.72	1.52	15	60	0.8
1-1/2 x 1	36RE1014010C	1.72	1.55	10	40	1.0
1-1/2 x 1-1/4	36RE1014012C	1.81	1.72	8	32	1.0
2 x 1/2	36RE1020004C	1.90	1.56	10	40	1.1
2 x 3/4	36RE1020006C	1.90	1.68	10	40	1.1
2 x 1	36RE1020010C	2.02	1.73	14	28	1.4
2 x 1-1/4	36RE1020012C	2.10	1.90	10	20	1.5
2 x 1-1/2	36RE1020014C	2.07	1.89	10	20	1.6
2-1/2 x 1	36RE1024010C	2.36	1.87	8	16	2.2
2-1/2 x 1-1/4	36RE1024012C	2.44	2.03	8	16	2.6
2-1/2 x 1-1/2	36RE1024014C	2.51	2.16	8	16	2.9
2-1/2 x 2	36RE1024020C	2.60	2.39	8	16	3.1
3 x 1-1/4	36RE1030012C	2.74	2.16	5	10	2.8
3 x 1-1/2	36RE1030014C	2.80	2.28	5	10	2.7
3 x 2	36RE1030020C	2.89	2.52	-	8	4.2
3 x 2-1/2	36RE1030024C	2.99	2.83	-	8	4.0

Fig. 36SE1 – 90° Street Elbow



Size in	Part Number	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	36SE1001C	0.92	0.54	60	960	0.1
1/4	36SE1002C	1.11	0.71	35	560	0.1
3/8	36SE1003C	1.24	0.82	40	320	0.1
1/2	36SE1004C	1.48	1.01	75	300	0.2
3/4	36SE1006C	1.65	1.18	40	160	0.3
1	36SE1010C	1.98	1.43	40	80	0.5
1-1/4	36SE1012C	2.24	1.69	25	50	0.8
1-1/2	36SE1014C	2.46	1.84	9	36	1.1
2	36SE1020C	2.88	2.12	10	20	2.0
2-1/2	36SE1024C	3.86	2.70	-	10	4.0
3	36SE1030C	4.51	3.08	-	7	4.7
4	36SE1040C	5.69	3.79	-	3	11.4

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Fig. 36F 1 – 45° Elbow

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36F 1001C	0.42	50	800	0.1
1/4	36F 1002C	0.56	30	480	0.1
3/8	36F 1003C	0.63	50	400	0.1
1/2	36F 1004C	0.78	50	200	0.2
3/4	36F 1006C	0.89	40	160	0.3
1	36F 1010C	1.06	20	80	0.5
1-1/4	36F 1012C	1.22	20	40	0.7
1-1/2	36F 1014C	1.30	8	32	1.0
2	36F 1020C	1.45	12	24	1.7
2-1/2	36F 1024C	1.95	-	15	3.2
3	36F 1030C	2.17	-	10	4.7
4	36F 1040C	2.61	-	3	8.1

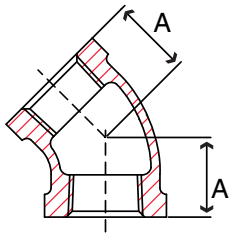


Fig. 36SF1 – 45° Street Elbow

Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36SF1001C	0.42	0.78	70	1120	0.05
1/4	36SF1002C	0.56	0.88	40	640	0.1
3/8	36SF1003C	0.63	0.92	50	600	0.1
1/2	36SF1004C	0.78	1.06	75	300	0.2
3/4	36SF1006C	0.89	1.23	40	160	0.3
1	36SF1010C	1.06	1.40	25	100	0.5
1-1/4	36SF1012C	1.22	1.64	10	40	0.7
1-1/2	36SF1014C	1.30	1.80	10	40	1.0
2	36SF1020C	1.45	2.14	12	24	1.5
2-1/2	36SF1024C	1.95	2.57	5	10	3.0
3	36SF1030C	2.17	3.00	-	6	5.0
4	36SF1040C	2.61	3.70	-	4	8.0

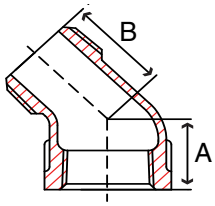


Fig. 36T 1 – Tee

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36T 1001C	0.54	80	640	0.1
1/4	36T 1002C	0.71	50	400	0.1
3/8	36T 1003C	0.82	30	240	0.2
1/2	36T 1004C	1.01	40	160	0.3
3/4	36T 1006C	1.18	25	100	0.5
1	36T 1010C	1.43	25	50	0.8
1-1/4	36T 1012C	1.69	14	28	1.2
1-1/2	36T 1014C	1.84	15	30	1.6
2	36T 1020C	2.12	-	15	2.7
2-1/2	36T 1024C	2.70	-	10	5.1
3	36T 1030C	3.08	-	6	7.5
4	36T 1040C	3.79	-	2	13.3

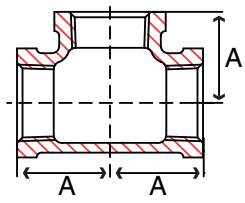


Fig. 36BT1 – Bull Head Tee

Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/2 x 3/4	36BT1004006C	1.11	1.11	1.08	25	100	0.4
3/4 x 1	36BT1006010C	1.31	1.31	1.30	15	60	0.7
1 x 1-1/4	36BT1010012C	1.60	1.60	1.52	8	32	1.1
1 x 1-1/2	36BT1010014C	1.72	1.72	1.55	15	30	1.5

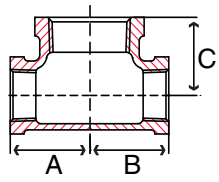
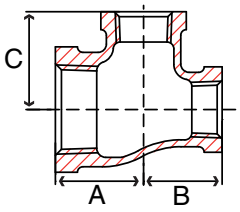


Fig. 36RT1 – Reducing Tee



Size in	Part Number	A in	B in	C in	Packing Inner	Packing Master	Weight lb
3/8 x 1/4	36RT1003002C	0.75	0.75	0.78	40	160	0.2
1/2 x 1/8	36RT1004001C	0.87	0.87	0.87	20	160	0.2
1/2 x 1/4	36RT1004002C	0.87	0.87	0.87	25	200	0.2
1/2 x 3/8	36RT1004003C	0.93	0.93	0.90	25	200	0.3
3/4 x 1/4	36RT1006002C	1.00	1.00	1.00	25	100	0.4
3/4 x 3/8	36RT1006003C	1.00	1.00	1.00	25	100	0.4
3/4 x 1/2	36RT1006004C	1.08	1.08	1.11	25	100	0.5
3/4 x 1/2 x 1/2	36RT1006004004C	1.08	1.01	1.11	25	100	0.4
3/4 x 1/2 x 3/4	36RT1006004006C	1.18	1.11	1.18	20	80	0.5
1 x 1/4	36RT1010002C	1.12	1.12	1.13	20	80	0.5
1 x 3/8	36RT1010003C	1.12	1.12	1.13	15	60	0.6
1 x 1/2	36RT1010004C	1.20	1.20	1.24	15	60	0.6
1 x 1/2 x 3/4	36RT1010004006C	1.30	1.11	1.31	20	80	0.6
1 x 1/2 x 1	36RT1010004010C	1.43	1.24	1.43	15	60	0.8
1 x 3/4	36RT1010006C	1.30	1.18	1.31	15	60	0.8
1 x 3/4 x 1/2	36RT1010006004C	1.20	1.08	1.24	20	80	0.6
1 x 3/4 x 3/4	36RT1010006006C	1.30	1.18	1.31	15	60	0.7
1 x 3/4 x 1	36RT1010006010C	1.43	1.31	1.43	15	60	0.8
1-1/4 x 1/2	36RT1012004C	1.29	1.29	1.41	20	40	0.8
1-1/4 x 3/4	36RT1012006C	1.39	1.39	1.48	20	40	0.9
1-1/4 x 1	36RT1012010C	1.52	1.52	1.60	20	40	1.2
1-1/4 x 1 x 1/2	36RT1012010004C	1.39	1.30	1.48	20	40	0.8
1-1/2 x 1/2	36RT1014004C	1.32	1.32	1.53	18	36	1.2
1-1/2 x 3/4	36RT1014006C	1.42	1.42	1.60	15	30	1.3
1-1/2 x 1	36RT1014010C	1.55	1.55	1.72	15	30	1.2
1-1/2 x 1-1/4	36RT1014012C	1.72	1.72	1.81	12	24	1.7
1-1/2 x 1-1/4 x 1	36RT1014012010C	1.55	1.52	1.72	15	30	1.2
1-1/2 x 1-1/4 x 1-1/2	36RT1014012014C	1.84	1.81	1.84	12	24	1.5
2 x 1/2	36RT1020004C	1.47	1.47	1.84	12	24	1.8
2 x 3/4	36RT1020006C	1.47	1.47	1.84	12	24	1.9
2 x 1	36RT1020010C	1.59	1.59	1.95	10	20	2.0
2 x 1-1/4	36RT1020012C	1.77	1.77	2.04	8	16	2.2
2 x 1-1/2	36RT1020014C	1.89	1.89	2.07	8	16	2.6
2-1/2 x 1-1/4	36RT1024012C	2.04	2.04	2.45	-	10	3.2
2-1/2 x 1-1/2	36RT1024014C	2.16	2.16	2.51	-	10	3.8
2-1/2 x 2	36RT1024020C	2.39	2.39	2.60	-	10	4.2
3 x 3/4	36RT1030006C	1.87	1.87	2.61	-	6	4.1
3 x 1	36RT1030010C	2.00	2.00	2.66	-	6	4.5
3 x 1-1/4	36RT1030012C	2.17	2.17	2.74	-	6	4.7
3 x 1-1/2	36RT1030014C	2.29	2.29	2.80	-	6	4.9
3 x 2	36RT1030020C	2.52	2.52	2.89	-	6	3.7
3 x 2-1/2	36RT1030024C	2.83	2.83	2.99	-	6	5.5
4 x 1	36RT1040010C	2.27	2.27	3.32	-	4	5.9
4 x 1-1/4	36RT1040012C	2.41	2.41	3.32	-	4	6.7
4 x 1-1/2	36RT1040014C	2.51	2.51	3.32	-	4	8.3
4 x 2	36RT1040020C	2.74	2.74	3.41	-	3	7.6
4 x 3	36RT1040030C	3.30	3.30	3.60	-	3	10.5

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Fig. 36X 1 – Cross

Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/8	36X 1001C	0.54	20	320	0.1
1/4	36X 1002C	0.71	40	320	0.2
3/8	36X 1003C	0.82	40	160	0.1
1/2	36X 1004C	1.01	30	120	0.4
3/4	36X 1006C	1.18	20	80	0.7
1	36X 1010C	1.43	20	40	1.0
1-1/4	36X 1012C	1.69	-	20	1.6
1-1/2	36X 1014C	1.84	-	18	2.1
2	36X 1020C	2.12	-	10	3.2
2-1/2	36X 1024C	2.70	-	6	5.5
3	36X 1030C	3.08	-	4	8.2
4	36X 1040C	3.79	-	2	13.5

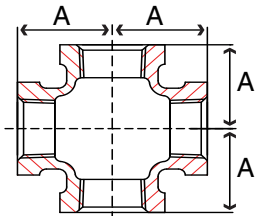


Fig. 36C 1 – Cap

Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/8	36C 1001C	0.53	120	1920	0.03
1/4	36C 1002C	0.63	80	1280	0.06
3/8	36C 1003C	0.68	60	720	0.1
1/2	36C 1004C	0.80	75	600	0.1
3/4	36C 1006C	0.90	40	320	0.1
1	36C 1010C	1.08	25	200	0.3
1-1/4	36C 1012C	1.12	25	100	0.5
1-1/2	36C 1014C	1.17	25	100	0.6
2	36C 1020C	1.36	18	72	0.9
2-1/2	36C 1024C	1.70	20	40	1.9
3	36C 1030C	1.80	12	24	2.7
4	36C 1040C	2.08	6	12	4.4
6	36C 1060C	2.50	6	6	10.0

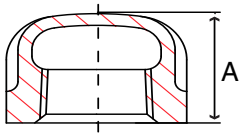


Fig. 36U 1 – Union

Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/8	36U 1001C	1.34	30	480	0.1
1/4	36U 1002C	1.50	20	240	0.2
3/8	36U 1003C	1.53	20	160	0.3
1/2	36U 1004C	1.81	40	160	0.5
3/4	36U 1006C	1.93	40	80	0.7
1	36U 1010C	2.11	30	60	1.1
1-1/4	36U 1012C	2.37	20	40	1.6
1-1/2	36U 1014C	2.60	15	30	2.0
2	36U 1020C	2.91	10	20	3.2
2-1/2	36U 1024C	3.30	-	10	5.3
3	36U 1030C	3.60	-	7	6.9
4	36U 1040C	4.70	-	4	12.0

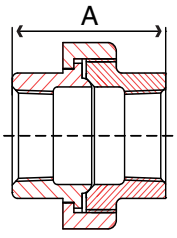
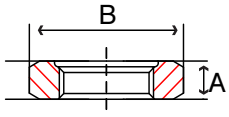


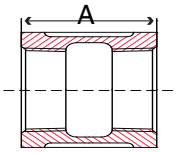
*Fig. 36LN1 – Lock Nut**

Size in	Part Number	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	36LN1001C	0.21	0.74	250	4000	0.02
1/4	36LN1002C	0.26	0.85	125	2000	0.03
3/8	36LN1003C	0.30	1.05	125	1500	0.04
1/2	36LN1004C	0.38	1.25	100	800	0.08
3/4	36LN1006C	0.40	1.50	60	480	0.1
1	36LN1010C	0.50	1.88	40	320	0.1
1-1/4	36LN1012C	0.50	2.15	30	240	0.2
1-1/2	36LN1014C	0.53	2.56	45	180	0.2
2	36LN1020C	0.57	3.10	25	100	0.4
2-1/2	36LN1024C	0.72	4.00	14	56	1.1



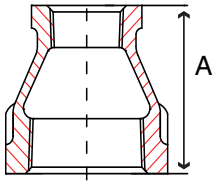
*NPSL Threads

Fig. 36CP1 – Coupling



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36CP1001C	0.80	70	1120	0.1
1/4	36CP1002C	0.97	40	640	0.1
3/8	36CP1003C	1.05	50	600	0.1
1/2	36CP1004C	1.29	40	320	0.1
3/4	36CP1006C	1.43	50	200	0.2
1	36CP1010C	1.68	25	100	0.4
1-1/4	36CP1012C	1.86	20	80	0.6
1-1/2	36CP1014C	1.92	12	48	0.8
2	36CP1020C	2.20	12	24	1.3
2-1/2	36CP1024C	2.88	8	16	2.6
3	36CP1030C	3.18	8	16	3.7
4	36CP1040C	3.69	-	6	5.8

Fig. 36RC1 – Reducing Coupling



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/4 x 1/8	36RC1002001C	0.88	50	600	0.08
3/8 x 1/8	36RC1003001C	0.92	35	420	0.1
3/8 x 1/4	36RC1003002C	1.01	40	480	0.1
1/2 x 1/8	36RC1004001C	1.13	50	400	0.1
1/2 x 1/4	36RC1004002C	1.13	50	400	0.1
1/2 x 3/8	36RC1004003C	1.17	40	320	0.1
3/4 x 1/8	36RC1006001C	1.24	35	280	0.1
3/4 x 1/4	36RC1006002C	1.24	30	240	0.2
3/4 x 3/8	36RC1006003C	1.24	50	200	0.2
3/4 x 1/2	36RC1006004C	1.36	60	240	0.2
1 x 1/4	36RC1010002C	1.49	45	180	0.3
1 x 3/8	36RC1010003C	1.49	30	120	0.4
1 x 1/2	36RC1010004C	1.49	30	120	0.3
1 x 3/4	36RC1010006C	1.56	25	100	0.4
1-1/4 x 1/2	36RC1012004C	1.65	25	100	0.6
1-1/4 x 3/4	36RC1012006C	1.65	25	100	0.6
1-1/4 x 1	36RC1012010C	1.77	15	60	0.5
1-1/2 x 1/2	36RC1014004C	1.8	15	60	0.7
1-1/2 x 3/4	36RC1014006C	1.8	15	60	0.8
1-1/2 x 1	36RC1014010C	1.8	15	60	0.6
1-1/2 x 1-1/4	36RC1014012C	1.89	12	48	0.9
2 x 1/2	36RC1020004C	2.03	12	48	1.2
2 x 3/4	36RC1020006C	2.03	12	48	1.2
2 x 1	36RC1020010C	2.03	12	48	0.9
2 x 1-1/4	36RC1020012C	2.03	14	28	1.3
2 x 1-1/2	36RC1020014C	2.06	12	24	1.0
2-1/2 x 1	36RC1024010C	3.25	-	25	2.0
2-1/2 x 1-1/4	36RC1024012C	3.25	-	25	2.2
2-1/2 x 1-1/2	36RC1024014C	3.25	-	25	2.2
2-1/2 x 2	36RC1024020C	3.25	-	25	2.4
3 x 1	36RC1030010C	3.69	-	20	2.5
3 x 1-1/4	36RC1030012C	3.69	-	20	2.1
3 x 1-1/2	36RC1030014C	3.69	-	20	2.3
3 x 2	36RC1030020C	3.69	-	20	3.6
3 x 2-1/2	36RC1030024C	3.69	-	12	3.9
4 x 2	36RC1040020C	4.38	-	10	6.0
4 x 2-1/2	36RC1040024C	4.38	-	10	5.9
4 x 3	36RC1040030C	4.38	-	6	6.5

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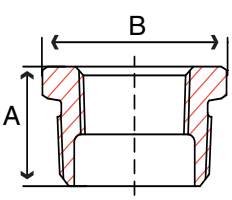
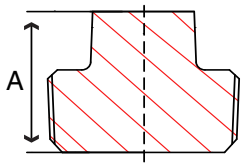
Fig. 36HB1 – Hex Bushing



Size in	Part Number	A in	B in	Hex	Packing		Weight lb
					Inner	Master	
1/4 x 1/8	36HB1002001C	0.65	0.66	Out	120	1920	0.02
3/8 x 1/8	36HB1003001C	0.70	0.70	Out	75	1200	0.05
3/8 x 1/4	36HB1003002C	0.70	0.73	Out	75	1200	0.04
1/2 x 1/8	36HB1004001C	0.81	0.90	Out	100	800	0.10
1/2 x 1/4	36HB1004002C	0.81	0.90	Out	100	800	0.09
1/2 x 3/8	36HB1004003C	0.81	0.90	Out	100	800	0.07
3/4 x 1/8	36HB1006001C	0.88	1.18	Out	50	600	0.1
3/4 x 1/4	36HB1006002C	0.93	1.18	Out	40	480	0.1
3/4 x 3/8	36HB1006003C	0.93	1.18	Out	50	600	0.1
3/4 x 1/2	36HB1006004C	0.93	1.18	Out	40	480	0.1
1 x 1/4	36HB1010002C	1.13	1.12	In	50	400	0.2
1 x 3/8	36HB1010003C	1.13	1.12	In	50	400	0.2
1 x 1/2	36HB1010004C	1.10	1.44	Out	40	320	0.2
1 x 3/4	36HB1010006C	1.10	1.44	Out	40	360	0.2
1-1/4 x 1/2	36HB1012004C	1.18	1.80	In	30	120	0.3
1-1/4 x 3/4	36HB1012006C	1.18	1.80	Out	30	120	0.4
1-1/4 x 1	36HB1012010C	1.18	1.80	Out	30	120	0.3
1-1/2 x 1/4	36HB1014002C	1.27	1.15	In	25	100	0.4
1-1/2 x 3/8	36HB1014003C	1.30	1.34	Out	25	100	0.4
1-1/2 x 1/2	36HB1014004C	1.27	1.34	In	25	100	0.4
1-1/2 x 3/4	36HB1014006C	1.27	1.63	In	25	100	0.4
1-1/2 x 1	36HB1014010C	1.19	2.04	Out	25	100	0.5
1-1/2 x 1-1/4	36HB1014012C	1.19	2.04	Out	25	100	0.4
2 x 1/2	36HB1020004C	1.35	1.36	In	20	80	0.6
2 x 3/4	36HB1020006C	1.35	1.65	In	20	80	0.7
2 x 1	36HB1020010C	1.35	2.00	In	20	80	0.7
2 x 1-1/4	36HB1020012C	1.35	2.50	Out	20	80	0.8
2 x 1-1/2	36HB1020014C	1.35	2.55	Out	20	80	0.8
2-1/2 x 1/2	36HB1024004C	1.64	3.15	Out	15	60	1.2
2-1/2 x 3/4	36HB1024006C	1.58	1.65	In	15	60	1.1
2-1/2 x 1	36HB1024010C	1.58	2.00	In	12	48	1.1
2-1/2 x 1-1/4	36HB1024012C	1.60	2.39	In	12	48	1.2
2-1/2 x 1-1/2	36HB1024014C	1.52	2.70	In	12	48	1.3
2-1/2 x 2	36HB1024020C	1.62	3.15	Out	12	48	1.1
3 x 1/2	36HB1030004C	1.60	1.35	In	12	48	1.9
3 x 3/4	36HB1030006C	1.70	1.65	In	10	40	1.9
3 x 1	36HB1030010C	1.60	2.00	In	12	48	1.6
3 x 1-1/4	36HB1030012C	1.70	2.40	In	10	40	1.7
3 x 1-1/2	36HB1030014C	1.70	2.70	In	12	48	1.8
3 x 2	36HB1030020C	1.70	3.55	Out	6	24	2.3
3 x 2-1/2	36HB1030024C	1.70	3.90	Out	6	24	2.1
4 x 1-1/2	36HB1040014C	1.80	2.70	In	-	20	3.4
4 x 2	36HB1040020C	1.80	3.30	In	-	20	3.6
4 x 2-1/2	36HB1040024C	2.10	4.75	Out	-	20	3.9
4 x 3	36HB1040030C	2.10	4.75	Out	-	20	4.2

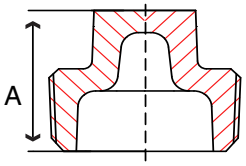
Bushings may have hexagon or octagon heads.

Fig. 36SS1 – Square Head Solid Plug



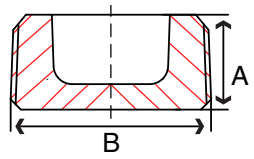
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36SS1001C	0.65	300	4800	0.02
1/4	36SS1002C	0.75	150	2400	0.03
3/8	36SS1003C	0.85	100	1600	0.06
1/2	36SS1004C	1.00	50	800	0.1
3/4	36SS1006C	1.15	30	360	0.1
1	36SS1010C	1.30	20	240	0.3
1-1/4	36SS1012C	1.40	40	160	0.6
1-1/2	36SS1014C	1.50	30	120	0.8
2	36SS1020C	1.60	20	80	1.2
2-1/2	36SS1024C	1.85	16	64	2.3
3	36SS1030C	1.95	16	32	4.0
4	36SS1040C	2.30	8	16	6.8

Fig. 36SC1 – Square Head Cored Plug



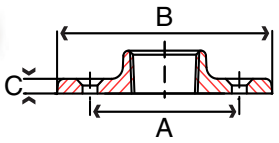
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	36SC1004C	1.00	50	800	0.1
3/4	36SC1006C	1.15	30	360	0.1
1	36SC1010C	1.30	20	240	0.2
1-1/4	36SC1012C	1.40	40	160	0.3
1-1/2	36SC1014C	1.50	30	120	0.5
2	36SC1020C	1.60	20	80	0.7
2-1/2	36SC1024C	1.85	16	64	1.0
3	36SC1030C	1.95	16	32	2.0
4	36SC1040C	2.30	8	16	3.6

Fig. 36CS1 – Countersunk Square Plug



Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/2	36CS1004C	0.54	0.38	50	800	0.05
3/4	36CS1006C	0.55	0.50	30	480	0.1
1	36CS1010C	0.69	0.50	20	320	0.2
1-1/4	36CS1012C	0.71	0.75	40	320	0.3
1-1/2	36CS1014C	0.73	0.75	30	240	0.5
2	36CS1020C	0.76	0.88	20	160	0.8
2-1/2	36CS1024C	1.07	1.12	16	64	1.2
3	36CS1030C	1.13	1.38	16	32	2.5
4	36CS1040C	1.22	2.00	8	16	3.7

Fig. 36FF1 – Floor Flange



Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/4	36FF1002C	2.00	2.80	0.31	50	200	0.3
3/8	36FF1003C	2.00	2.80	0.31	50	200	0.3
1/2	36FF1004C	2.00	2.95	0.25	50	200	0.7
3/4	36FF1006C	2.45	3.35	0.30	30	120	0.8
1	36FF1010C	2.70	3.70	0.30	20	80	1.1
1-1/4	36FF1012C	3.00	3.95	0.30	15	60	1.1
1-1/2	36FF1014C	3.35	4.30	0.33	12	48	1.5
2	36FF1020C	4.25	5.60	0.33	8	32	2.4

SCI ProPak™ System

Fig. 16TH1 – Class 150 Threaded Flange

Size in	Part Number	Hole Size	Number of holes	A in	B in	C in	Packing	Weight lb
1/2	16TH1004	5/8	4	3.50	2.38	0.59	50	0.7
3/4	16TH1006	5/8	4	3.88	2.75	0.62	40	1.0
1	16TH1010	5/8	4	4.25	3.12	0.69	30	1.3
1-1/4	16TH1012	5/8	4	4.62	3.50	0.81	20	1.6
1-1/2	16TH1014	5/8	4	5.00	3.88	0.88	15	2.1
2	16TH1020	3/4	4	6.00	4.75	1.00	10	3.5
2-1/2	16TH1024	3/4	4	7.00	5.50	1.12	5	5.4
3	16TH1030	3/4	4	7.50	6.00	1.19	4	6.5
4	16TH1040	3/4	8	9.00	7.50	1.31	3	9.9
6	16TH1060	7/8	8	11.0	9.50	1.56	2	17.0

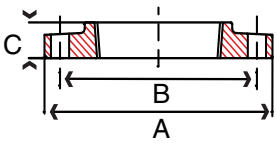
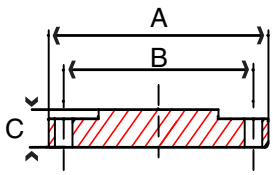


Fig. 16BL1 – Class 150 Blind Flange

Size in	Part Number	Hole Size	Number of holes	A in	B in	C in	Packing	Weight lb
3/4	16BL1006	5/8	4	3.88	2.75	0.62	30	1.0
1	16BL1010	5/8	4	4.25	3.12	0.69	25	1.7
1-1/4	16BL1012	5/8	4	4.62	3.50	0.81	20	2.5
1-1/2	16BL1014	5/8	4	5.00	3.88	0.88	15	3.0
2	16BL1020	3/4	4	6.00	4.75	1.00	10	5.5
2-1/2	16BL1024	3/4	4	7.00	5.50	1.12	8	8.5
3	16BL1030	3/4	4	7.50	6.00	1.19	5	10.5
4	16BL1040	3/4	8	9.00	7.50	1.31	3	16.5
6	16BL1060	7/8	8	11.0	9.50	1.56	2	32.5



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- Blow-out proof stem
- Chrome plated ball
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- CSA Approved under z21.15a for 1/2 psiG (1/2 ± 2) ± Threaded
- CSA Approved under 3-88 for 5 psiG (1/2 ± 2) ± Threaded
- Approved under ANSI/ASM B16.33 spec for gas piping to 125 psiG (1/2 ± 2)
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3 (1/2 ± 2)
- Conforms to MSS-SP110
- Certified to NSF/ANSI 61.8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/8	01728170A	-	10	180	0.3
1/4	01728170C	-	10	180	0.4
3/8	01728170E	-	10	180	0.3
1/2	01728170G	01728171G	10	120	0.5
3/4	01728170I	01728171I	10	90	0.7
1	01728170K	01728171K	6	60	1.0
1-1/4	01728170L	01728171L	4	36	1.7
1-1/2	01728170M	01728171M	4	24	2.3
2	01728170N	01728171N	2	12	3.5
2-1/2	01728170P	01728171P	1	6	7.9
3	01728170Q	01728171Q	1	3	11.7
4	01728170T	01728171T	1	2	22.1

Series 8155 & 8156

Brass Ball Valve

- 600 lb. WOG, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- CSA Approved (1/2 thru 2) - Threaded
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01728155C	-	10	160	0.3
3/8	01728155E	-	10	160	0.3
1/2	01728155G	01728156G	10	120	0.5
3/4	01728155I	01728156I	10	60	0.7
1	01728155K	01728156K	6	60	1.0
1-1/4	01728155L	01728156L	4	24	1.7
1-1/2	01728155M	01728156M	4	16	2.3
2	01728155N	01728156N	2	16	3.5
2-1/2	01728155P	-	1	6	7.2
3	01728155Q	-	1	3	8.8
4	01728155T	-	1	2	16.5

Series 1011TTE

Brass Ball Valve

- 600 lb. WOG
- Full port
- Forged brass body
- Chrome plated ball
- RTFE seats and seals
- Locking device
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number	Weight LB
	Threaded	
1/4	SV1011TTE002	0.3
3/8	SV1011TTE003	0.3
1/2	SV1011TTE004	0.5
3/4	SV1011TTE006	0.7
1	SV1011TTE010	1.0
1-1/4	SV1011TTE012	1.7
1-1/2	SV1011TTE014	2.3
2	SV1011TTE020	3.6
2-1/2	SV1011TTE024	7.7
3	SV1011TTE030	9.1
4	SV1011TTE040	16.7

Series 8145 & 8146

Brass Ball Valve

- 600 lb. WOG, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01728145C	-	10	160	0.4
3/8	01728145E	-	10	160	0.3
1/2	01728145G	01728146G	10	120	0.4
3/4	01728145I	01728146I	10	60	0.6
1	01728145K	01728146K	6	24	0.9
1-1/4	01728145L	01728146L	4	24	1.3
1-1/2	01728145M	01728146M	4	16	2.1
2	01728145N	01728146N	2	16	3.1

Series 8135 & 8136

Brass Ball Valve

- 400 lb. WOG, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01728135C	-	10	160	0.3
3/8	01728135E	-	10	160	0.3
1/2	01728135G	01728136G	10	120	0.4
3/4	01728135I	01728136I	10	60	0.5
1	01728135K	01728136K	6	60	0.9
1-1/4	01728135L	01728136L	4	24	1.1
1-1/2	01728135M	01728136M	4	16	1.7
2	01728135N	01728136N	2	16	2.4
2-1/2	01728135P	-	1	6	5.4
3	01728135Q	-	1	3	8.2
4	01728135T	-	1	2	13.1

Series 8160

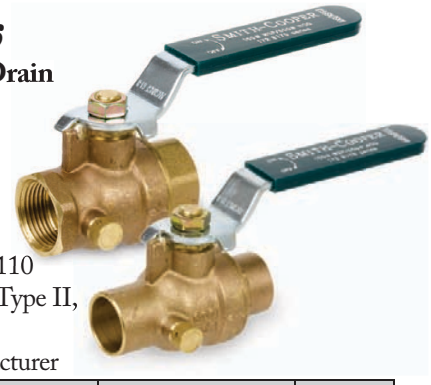
Nickel Plated Brass Ball Valve

- 600 lb. WOG, 150 lb WSP
- Full port
- Forged brass body, nickel plated
- Chrome plated ball
- Blow-out proof stem
- CSA Approved (1/2 - 2)
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Threaded	Inner	Master	
1/8	01728160A	10	160	0.3
1/4	01728160C	10	160	0.3
3/8	01728160E	10	160	0.3
1/2	01728160G	10	120	0.5
3/4	01728160I	10	60	0.7
1	01728160K	6	60	1.0
1-1/4	01728160L	4	24	1.7
1-1/2	01728160M	4	16	2.3
2	01728160N	2	16	3.5

Series 8175 & 8176

Brass Ball Valve with Drain



- 600 lb. WOG
- Full port
- Forged brass body
- PTFE seats and seals
- Blow-out proof stem
- Conforms to MSS SP-110
- Fed. Spec. WW-V-35, Type II, Class A Style 3
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	01728175G	01728176G	10	120	0.5
3/4	01728175I	01728176I	10	60	0.8
1	01728175K	01728176K	6	36	1.2

Series 8184

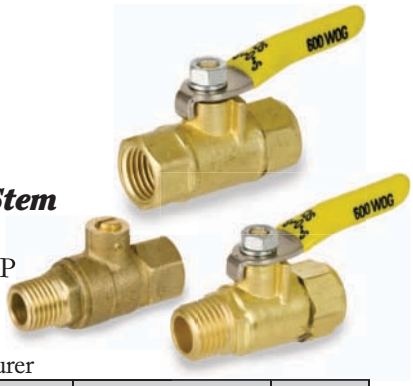
Brass Ball Valve

- 400 lb. WOG, 150 lb. WSP
- Standard port
- Compression Ends
- Forged brass body
- Chrome plated ball
- PTFE seals
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Compression Ends	Inner	Master	
1/2	01728184G	25	100	0.5
3/4	01728184I	15	60	0.8
1	01728184K	10	40	1.3

Series 8140 & 8141 Lever Handle Series 8142 Slotted Stem

Mini Brass Ball Valves



- 600 lb. WOG, 150 lb. WSP
- Forged brass body
- PTFE seats and seals
- ISO 9001:2008 manufacturer

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
1/4 x 1/4	01728140CC	FIP x FIP	25	300	0.2
1/8 x 1/8	01728141AA	FIP x MIP	25	300	0.2
1/4 x 1/8	01728141CA	FIP x MIP	25	300	0.2
1/4 x 1/4	01728141CC	FIP x MIP	25	300	0.2
1/4 x 1/4	01728142CC	FIP x MIP	25	300	0.1

Series 8183

Brass Ball Valve

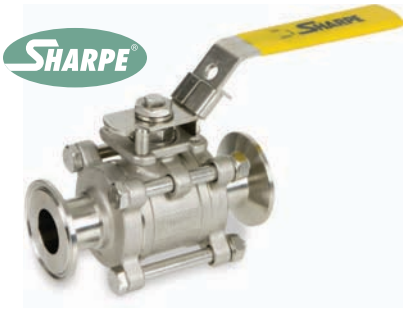
- Forged brass body
- Pex Ends
- Chrome plated ball
- PTFE seals
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Pex Ends	Inner	Master	
1/2	01728183G	12	72	0.3
3/4	01728183I	12	72	0.4
1	01728183K	6	36	0.7

Series N66

Sanitary Ball Valve

- 316 stainless steel
- Tube port
- 3-piece design
- High cycle steam
- Hygienic seating
- ISO 5211 mounting pad
- Locking device
- Encapsulated body seal



Size IN	Part Number Clamp Ends	Weight LB
1/2	SVN6666MTCE004	1.2
3/4	SVN6666MTCE006	2.0
1	SVN6666MTCE010	3.0
1-1/2	SVN6666MTCE014	6.0
2	SVN6666MTCE020	9.2
2-1/2	SVN6666MTCE024	12.1
3	SVN6666MTCE030	16.2
4	SVN6666MTCE040	18.9

Series 58876

Stainless Ball Valve

- 800 lb. WOG, 150 lb. WSP
- Standard port
- 316 stainless steel body
- 1-piece design
- PFTE seats and seals
- Blow-out proof stem
- Locking device

Size IN	Part Number Threaded	Weight LB
1/4	SV58876002	0.1
3/8	SV58876003	0.2
1/2	SV58876004	0.4
3/4	SV58876006	0.6
1	SV58876010	1.0
1-1/4	SV58876012	1.4
1-1/2	SV58876014	1.9
2	SV58876020	2.9

Series 50M76

316 Stainless Ball Valve

- 1000 lb. WOG, 150 lb. WSP
- Full port
- 2-piece design
- RTFE seats
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50M76002	0.6
3/8	SV50M76003	0.5
1/2	SV50M76004	0.7
3/4	SV50M76006	1.1
1	SV50M76010	1.7
1-1/4	SV50M76012	2.6
1-1/2	SV50M76014	4.1
2	SV50M76020	6.8
2-1/2	SV50M76024	14.7
3	SV50M76030	22.4

Series 58B74

Carbon Steel Ball Valve

- 2000 lb. WOG, 150 lb. WSP
- Standard port
- 1-piece design
- RTFE seats
- Stainless steel trim
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV58B74002	0.2
3/8	SV58B74003	0.3
1/2	SV58B74004	0.7
3/4	SV58B74006	1.0
1	SV58B74010	1.5
1-1/4	SV58B74012	3.4
1-1/2	SV58B74014	3.2
2	SV58B74020	5.9

Series 54574

Carbon Steel Ball Valve

- 2000 lb. WOG (1/4 - 1), 1500 lb. WOG (1-1/4 - 2), 150 lb. WSP*
- Standard port
- 2-piece design
- RTFE seats
- Locking device
- Blow-out proof stem
- ISO 5211 mounting pad

Size IN	Part Number Threaded	Weight LB
1/4	SV54574002	0.7
3/8	SV54574003	0.7
1/2	SV54574004	0.7
3/4	SV54574006	1.4
1	SV54574010	1.8
1-1/4	SV54574012	3.2
1-1/2	SV54574014	4.3
2	SV54574020	6.1

Nova Seats for 250 psi WSP also available.

Series 54576

316 Stainless Steel Ball Valve

- 2000 lb. WOG (1/4 - 1), 1500 lb. WOG (1-1/4 - 2), 150 lb. WSP*
- Standard port
- 2-piece design
- RTFE seats
- Locking device
- Blow-out proof stem
- ISO 5211 mounting pad

Size IN	Part Number Threaded	Weight LB
1/4	SV54576002	0.7
3/8	SV54576003	0.7
1/2	SV54576004	0.7
3/4	SV54576006	1.4
1	SV54576010	1.8
1-1/4	SV54576012	3.2
1-1/2	SV54576014	4.3
2	SV54576020	6.1

Nova Seats for 250 psi WSP also available.

Series 50B74

Carbon Steel Ball Valve, Seal Welded

- 2000 lb. WOG (1/4 - 2), 1500 lb. WOG (2-1/2 - 3), 150 lb. WSP*
- Full port
- 2-piece seal welded
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50B74002	0.6
3/8	SV50B74003	0.5
1/2	SV50B74004	0.7
3/4	SV50B74006	1.1
1	SV50B74010	1.8
1-1/4	SV50B74012	2.7
1-1/2	SV50B74014	4.2
2	SV50B74020	6.8
2-1/2	SV50B74024	15.2
3	SV50B74030	22.6

Nova seats for 250 psi WSP also available.

Series 50B76

Stainless Steel Ball Valve, Seal Welded

- 2000 lb. WOG (1/4 - 2), 1500 lb. WOG (2-1/2 - 3), 150 lb. WSP*
- Full port
- 2-piece seal welded
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50B76002	0.6
3/8	SV50B76003	0.5
1/2	SV50B76004	0.7
3/4	SV50B76006	1.1
1	SV50B76010	1.8
1-1/4	SV50B76012	2.6
1-1/2	SV50B76014	4.2
2	SV50B76020	6.8
2-1/2	SV50B76024	15.2
3	SV50B76030	22.7

Nova Seats for 250 psi WSP also available.

Series 50C74

Carbon Steel Ball Valve, Seal Welded

- 3000 lb. WOG
- Full port
- 2-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50C74002	0.9
3/8	SV50C74003	0.8
1/2	SV50C74004	1.0
3/4	SV50C74006	2.4
1	SV50C74010	3.5
1-1/4	SV50C74012	5.1
1-1/2	SV50C74014	8.5
2	SV50C74020	9.6
3	SV50C74030	13.7

Series 50C76

316 Stainless Steel Ball Valve, Seal Welded

- 3000 lb. WOG
- Full port
- 2-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50C76002	0.9
3/8	SV50C76003	0.8
1/2	SV50C76004	1.0
3/4	SV50C76006	2.4
1	SV50C76010	3.5
1-1/4	SV50C76012	5.1
1-1/2	SV50C76014	8.5
2	SV50C76020	9.6
3	SV50C76030	13.7

Series 50F74

Carbon Steel Ball Valve, Seal Welded

- 6000 lb. WOG
- Full port
- 2-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50F74002	1.2
3/8	SV50F74003	1.1
1/2	SV50F74004	1.5
3/4	SV50F74006	2.8
1	SV50F74010	4.9
1-1/4	SV50F74012	7.4
1-1/2	SV50F74014	12.1
2	SV50F74020	14.7

Series 50F76

316 Stainless Steel Ball Valve, Seal Welded

- 6000 lb. WOG
- Full port
- 2-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1/4	SV50F76002	1.2
3/8	SV50F76003	1.1
1/2	SV50F76004	1.5
3/4	SV50F76006	2.8
1	SV50F76010	4.9
1-1/4	SV50F76012	7.4
1-1/2	SV50F76014	12.1
2	SV50F76020	14.7

Series 39034

Carbon Steel Ball Valve, 3-piece design

- 1000 lb. WOG
- Standard port
- Locking device
- Blow-out proof stem
- Variety of seats, seals and handles

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV39034TE002	SV39034SW002	0.7
3/8	SV39034TE003	SV39034SW003	0.6
1/2	SV39034TE004	SV39034SW004	1.1
3/4	SV39034TE006	SV39034SW006	1.3
1	SV39034TE010	SV39034SW010	1.9
1-1/4	SV39034TE012	SV39034SW012	2.7
1-1/2	SV39034TE014	SV39034SW014	4.2
2	SV39034TE020	SV39034SW020	7.2
2-1/2	SV39034TE024	SV39034SW024	13.8
3	SV39034TE030	SV39034SW030	18.7
4	SV39034TE040	SV39034SW040	30.3

Series 39036

316 Stainless Steel Ball Valve, 3-piece design

- 1000 lb. WOG
- Standard port
- Locking device
- Blow-out proof stem
- Variety of seats, seals and handles

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV39036TE002	SV39036SW002	0.7
3/8	SV39036TE003	SV39036SW003	0.6
1/2	SV39036TE004	SV39036SW004	1.1
3/4	SV39036TE006	SV39036SW006	1.4
1	SV39036TE010	SV39036SW010	2.0
1-1/4	SV39036TE012	SV39036SW012	2.9
1-1/2	SV39036TE014	SV39036SW014	4.3
2	SV39036TE020	SV39036SW020	7.4
2-1/2	SV39036TE024	SV39036SW024	14.0
3	SV39036TE030	SV39036SW030	19.6
4	SV39036TE040	SV39036SW040	31.1

Series 53034

Carbon Steel Ball Valve, 3-piece design

- 1000 lb. WOG
- Full port
- RTFE seat
- Locking device
- Blow-out proof stem
- Actuator mounting pad
- Variety seats, seals and handles

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV53034TE002	SV53034SW002	0.9
3/8	SV53034TE003	SV53034SW003	0.9
1/2	SV53034TE004	SV53034SW004	1.2
3/4	SV53034TE006	SV53034SW006	1.9
1	SV53034TE010	SV53034SW010	2.6
1-1/4	SV53034TE012	SV53034SW012	4.1
1-1/2	SV53034TE014	SV53034SW014	6.4
2	SV53034TE020	SV53034SW020	9.8

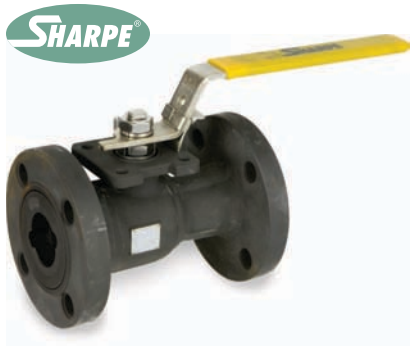
Series 53036

316 Stainless Steel Ball Valve, 3-piece design

- 1000 lb. WOG
- Full port
- RTFE seat
- Locking device
- Blow-out proof stem
- Actuator mounting pad
- Variety seats, seals and handles

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV53036TE002	SV53036SW002	0.9
3/8	SV53036TE003	SV53036SW003	0.9
1/2	SV53036TE004	SV53036SW004	1.2
3/4	SV53036TE006	SV53036SW006	1.8
1	SV53036TE010	SV53036SW010	2.5
1-1/4	SV53036TE012	SV53036SW012	4.0
1-1/2	SV53036TE014	SV53036SW014	6.2
2	SV53036TE020	SV53036SW020	9.6

Series 54114
Carbon Steel Flanged Ball Valve, 1-piece



- 150 lb. flanged ends
- Standard port
- TFM seats 1 - 4
- RTFM seats 6 - 8
- Locking device
- Blow-out proof stem
- Variety of seats and seals available

Size IN	Part Number Flanged	Weight LB
1	SV54114M010	5.6
1-1/2	SV54114M014	12.2
2	SV54114M020	25.4
2-1/2	SV54114M024	34.0
3	SV54114M030	38.5
4	SV54114M040	53.5
6	SV54114M060	79.2
8	SV54114M080	189.2

Series 54116
316 Stainless Steel Ball Valve, 1-piece

- 150 lb. flanged ends
- Standard port
- TFM seats 1/2 - 4
- RTFM seats 6 - 8
- Locking device
- Blow-out proof stem
- Variety of seats and seals available

Size IN	Part Number Flanged	Weight LB
1	SV54116M010	5.6
1-1/2	SV54116M014	12.2
2	SV54116M020	25.4
2-1/2	SV54116M024	34.0
3	SV54116M030	38.5
4	SV54116M040	53.5
6	SV54116M060	79.2
8	SV54116M080	189.2

Series 49114
Carbon Steel Flanged Ball Valve, 2-piece

- 150 lb. flanged ends
- Full port
- RTFE seats
- Locking device
- Blow-out proof stem

Size IN	Part Number Flanged	Weight LB
1/2	SV49114RT004	3.3
3/4	SV49114RT006	4.2
1	SV49114RT010	5.9
1-1/2	SV49114RT014	11.4
2	SV49114RT020	17.4
3	SV49114RT030	32.6
4	SV49114RT040	52.4
6	SV49114RT060	104.5

Series 49116
316 Stianless Steel Flanged Ball Valve, 2-piece

- 150 lb. flanged ends
- Full port
- RTFE seats
- Locking device
- Blow-out proof stem

Size IN	Part Number Flanged	Weight LB
1/2	SV49116RT004	3.3
3/4	SV49116RT006	4.2
1	SV49116RT010	5.9
1-1/2	SV49116RT014	11.4
2	SV49116RT020	17.4
3	SV49116RT030	32.6
4	SV49116RT040	52.4
6	SV49116RT060	104.5

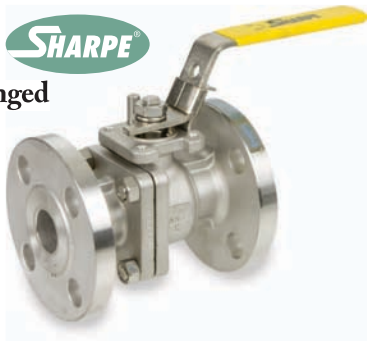
Ball Valves

Series 50114
Carbon Steel Flanged Ball Valve, 2-Piece

- 150 lb. flanged ends
- Full port
- Locking device
- Blow-out proof stem

Size IN	Part Number Flanged	Weight LB
1/2	SV50114M004	3.7
3/4	SV50114M006	4.8
1	SV50114M010	6.8
1-1/2	SV50114M014	13.5
2	SV50114M020	19.6
2-1/2	SV50114M024	36.5
3	SV50114M030	44.2
4	SV50114M040	63.7

Series 50116
316 Stainless Steel Flanged Ball Valve, 2-Piece



- 150 lb. flanged ends
- Full port
- 316 Stainless steel body and trim
- Locking device
- Blow-out proof stem

Size IN	Part Number Flanged	Weight LB
1/2	SV50116M004	3.7
3/4	SV50116M006	4.8
1	SV50116M010	6.8
1-1/2	SV50116M014	13.5
2	SV50116M020	19.6
2-1/2	SV50116M024	36.5
3	SV50116M030	44.2
4	SV50116M040	63.7

Series S7166NV
316 Stainless Steel Needle Valve

- 6000 lb. WOG
- PTFE seats

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

Series S76BVH
316 Stainless Steel Instrumentation Ball Valve

- 1000 psi @ 200˚ F
- PTFE seats
- Double ferrule Instrumentation tube ends

Tube OD IN	Part Number Instrumentation	Weight LB
1/4	S76BVH002	0.3
3/8	S76BVH003	0.3
1/2	S76BVH004	0.3
3/4	S76BVH006	0.9

Series 0P50CC6DV
Carbon Steel Ball Valve, 2-Piece

- 3000 psi
- Full port
- Nace MR-01-75 Compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
2	SVOP50CC6DV020	21.4

Series 0P50DB6RV
Ductile Iron Ball Valve, 2-Piece

- 2000 psi
- Full port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
1	SVOP50DB6RV020	4.4

Straight Stops and Wye Strainer

Series 0P54CC6DV
Carbon Steel
Ball Valve, 2-Piece

- 3000 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
2	SVOP54CC6DV020	21.4

Series 0P54CE6DV
Carbon Steel
Ball Valve, 2-Piece

- 5000 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
2	SVOP54CE6DV20	12.8

Series 0P54DA6RV
Ductile Iron
Ball Valve, 2-Piece

- 1000 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
4	SVOP54DA6RV040	39.7

Series 0P54CE6DV
Ductile Iron
Ball Valve, 2-Piece

- 2000 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size IN	Part Number Threaded	Weight LB
2	SVOP54CE6DV020	10.4
3	SVOP54CE6DV030	20.0

Series 132 & 142
Brass Straight Stop with Stuffing Box

- 125 lb. WOG
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Threaded	Part Number Sweat	Packing Inner	Packing Master	Weight LB
1/2	0190132G	0190142G	14	84	0.6
3/4	0190132I	0190142I	14	84	0.6

Series 136 & 146
Brass Straight Stop with Drain

- 125 lb. WOG
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Threaded	Part Number Sweat	Packing Inner	Packing Master	Weight LB
1/2	0190136G	0190146G	14	84	0.6
3/4	0190136I	0190146I	12	84	0.6

Series 135
Brass Straight Stop with Drain

- 125 lb. WOG
- Cast brass
- Certified to NSF/ANSI 61-8
- Rubber packing

Size IN	Part Number Threaded	Packing Inner	Packing Master	Weight LB
1/2	0190135G	12	72	0.6

Gate Valves

Series 8501 & 8502
Brass Gate Valve
- 200 lb. WOG, 125 lb. WSP
- Full port (1/4 - 3)
- Cast brass
- Screwed in bonnet
- Non-rising brass stem
- Approved to ANSI/NSF 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01718501C	-	12	72	0.5
3/8	01718501E	01718502E	12	72	0.5
1/2	01718501G	01718502G	12	72	0.6
3/4	01718501I	01718502I	14	56	0.8
1	01718501K	01718502K	5	40	1.1
1-1/4	01718501L	01718502L	3	18	1.8
1-1/2	01718501M	01718502M	6	24	2.2
2	01718501N	01718502N	4	16	3.3
2-1/2	01718501P	01718502P	1	6	6.4
3	01718501Q	01718502Q	1	6	9.7
4	01718501T	–	1	4	17.0

Series 4105
Brass Gate Valve with Cross Handle
- 200 lb. WOG
- Full port
- Cast brass
- Solid wedge disc
- Non-rising stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Threaded	Inner	Master	
1/2	01714105G	16	96	0.6
3/4	01714105I	14	84	0.8
1	01714105K	6	48	0.9
1-1/4	01714105L	3	32	1.5
1-1/2	01714105M	3	18	2.0
2	01714105N	2	12	3.2
2-1/2	01714105P	2	12	5.6
3	01714105Q	1	8	7.4
4	01714105T	2	12	13.9

Series 8103 & 8104
Brass Gate Valve with Drain
- 200 lb. WOG
- Full port
- Cast brass w/screwed in bonnet
- Solid wedge disc
- Non-rising stem
- Metal to metal bonnet/body seating surfaces
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	01718103G	01718104G	12	72	0.72
3/4	01718103I	01718104I	14	56	1.18
1	01718103K	01718104K	8	32	1.26

Series 8130
Brass Gate Valve with Compression Ends
- 200 lb. WOG
- Full port
- Cast brass
- Screwed in bonnet
- Non-rising stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Compression Ends	Inner	Master	
1/2	01718130G	10	60	0.8
3/4	01718130I	10	40	1.0
1	01718130K	8	32	1.4

Series 910

Bronze Gate Valve

- 300 lb. WOG, 150 lb. WSP
- Full port (1/2 - 3)
- ASTM B-62 bronze
- Solid wedge disc
- Screwed in bonnet
- Non-rising stem
- Conforms to MSS SP-80
- Cast iron star handle
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Threaded	Inner	Master	
1/2	01719101G	12	72	0.6
3/4	01719101I	14	56	1.0
1	01719101K	5	40	1.3
1-1/4	01719101L	3	18	1.9
1-1/2	01719101M	6	24	2.3
2	01719101N	4	16	3.5
2-1/2	01719101P	1	6	6.7
3	01719101Q	1	6	9.1
4	01719101T	1	4	15.7

Series 30276

316 Stainless Steel Gate Valve

- 200 lb. WOG @ 350°F
- Reduced port
- Inside Screw
- Non-rising stem
- Screwed bonnet
- Solid wedge disc

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/2	SV30276TE004	SV30276SW004	0.9
3/4	SV30276TE006	SV30276SW006	1.2
1	SV30276TE010	SV30276SW010	1.6
1-1/4	SV30276TE012	SV30276SW012	2.6
1-1/2	SV30276TE014	SV30276SW014	3.7
2	SV30276TE020	SV30276SW020	5.2

Series 34834

Forged Carbon Steel Gate Valve

- OS&Y
- Reduced port
- Class 800
- A105 forged carbon steel body
- Bolted bonnet

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV34834TE002	-	4.9
3/8	SV34834TE003	-	4.9
1/2	SV34834TE004	SV34834SW004	4.9
3/4	SV34834TE006	SV34834SW006	5.3
1	SV34834TE010	SV34834SW010	9.00
1-1/4	SV34834TE012	SV34834SW012	12.5
1-1/2	SV34834TE014	SV34834SW014	15.5
2	SV34834TE020	SV34834SW020	24.0

Series 34836

Forged 316L Stainless Steel Gate Valve

- OS&Y
- Reduced port
- Class 800
- A182 / 316L stainless steel body
- Bolted bonnet

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/2	SV34836TE004	SV34836SW004	4.9
3/4	SV34836TE006	SV34836SW006	5.3
1	SV34836TE010	SV34836SW010	9.3
1-1/4	SV34836TE012	SV34836SW012	12.5
1-1/2	SV34836TE014	SV34836SW014	15.5
2	SV34836TE020	SV34836SW020	24.0

Globe Valves & In-line Check Valves

Series 4101
Bronze Globe Valve

- 200 lb. WOG, 125 lb. WSP
- 85-5-5-5 bronze body
- Hard seat
- Conforms to MSS SP-80
- Brass stem and disc
- Cast iron handle
- ISO 9001:2008 manufacturer

Size IN	Part Number Threaded	Packing Inner	Packing Master	Weight LB
3/8	01764101E	10	100	0.6
1/2	01764101G	14	84	0.6
3/4	01764101I	10	60	0.7
1	01764101K	5	30	1.1
1-1/4	01764101L	4	32	1.9
1-1/2	01764101M	6	24	2.4
2	01764101N	4	16	3.6

Series 44834
Forged Carbon Steel Globe Valve

- Class 800
- A105 forged carbon steel body and bonnet
- Bolted bonnet

Size IN	Part Number Threaded	Part Number Socket Weld	Weight LB
1/4	SV44834TE002	-	5.0
3/8	SV44834TE003	-	5.0
1/2	SV44834TE004	SV44834SW004	5.0
3/4	SV44834TE006	SV44834SW006	5.2
1	SV44834TE010	SV44834SW010	9.5
1-1/4	SV44834TE012	SV44834SW012	12.7
1-1/2	SV44834TE014	SV44834SW014	17.2
2	SV44834TE020	SV44834SW020	27.5

Series CV30
Brass In-Line Check Valve

- Rated at 200 psi
- Cast brass
- EPDM seat and seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size IN	Part Number Threaded Ends	Packing Inner	Packing Master	Weight LB
1/2	0209CV30G	10	150	0.4
3/4	0209CV30I	18	108	0.6
1	0209CV30K	10	60	0.9
1-1/4	0209CV30L	8	40	1.5
1-1/2	0209CV30M	5	30	1.5
2	0209CV30N	4	24	3.5

Series 40276
316 Stainless Steel Globe Valve

- 200 lb. WOG @ 350°F
- Inside screw
- Non-rising stem
- Screwed bonnet

Size IN	Part Number Threaded	Part Number Socket Weld	Weight LB
1/2	SV40276TE004	SV40276SW004	1.0
3/4	SV40276TE006	SV40276SW006	1.5
1	SV40276TE010	SV40276SW010	1.9
1-1/4	SV40276TE012	SV40276SW012	3.1
1-1/2	SV40276TE014	SV40276SW014	3.9
2	SV40276TE020	SV40276SW020	5.5

Series 44836
Forged 316L Stainless Steel Globe Valve

- Class 800
- A182 / 316L forged stainless steel body and bonnet
- Bolted bonnet

Size IN	Part Number Threaded	Part Number Socket Weld	Weight LB
1/2	SV44836TE004	SV44836SW004	5.0
3/4	SV44836TE006	SV44836SW006	5.2
1	SV44836TE010	SV44836SW010	9.5
1-1/4	SV44836TE012	SV44836SW012	12.7
1-1/2	SV44836TE014	SV44836SW014	17.2
2	SV44836TE020	SV44836SW020	27.5

Series CV40 & CV50
PVC In-Line Check Valve

- 150 psi @ 73°F
- Schedule 40 PVC
- EPDM seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size IN	Part Number Threaded	Part Number Slip	Packing Inner	Packing Master	Weight LB
1/2	0209CV40G	0209CV50G	12	144	0.2
3/4	0209CV40I	0209CV50I	6	72	0.2
1	0209CV40K	0209CV50K	6	60	0.4
1-1/4	0209CV40L	0209CV50L	4	48	0.6
1-1/2	0209CV40M	0209CV50M	4	40	0.9
2	0209CV40N	0209CV50N	4	24	2.0

Series 9191 & 9192

Brass Swing Check Valve

- 200 lb. WOG, 125 lb. WSP
- Cast brass
- Forged brass disc
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
3/8	01739191E	-	10	150	0.4
1/2	01739191G	01739192G	10	160	0.4
3/4	01739191I	01739192I	10	120	0.5
1	01739191K	01739192K	6	72	0.7
1-1/4	01739191L	01739192L	5	60	1.3
1-1/2	01739191M	01739192M	4	32	1.6
2	01739191N	01739192N	2	24	2.6
2-1/2	01739191P	01739192P	2	12	4.5
3	01739191Q	-	1	6	6.6
4	01739191T	-	1	4	11.4

Series 20276

316 Stainless Steel Swing Check Valve

- 200 lb. WOG @ 350°F
- 316 stainless steel
- Screwed cap

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/4	SV20276TE002	SV20276SW002	0.8
3/8	SV20276TE003	SV20276SW003	0.8
1/2	SV20276TE004	SV20276SW004	0.7
3/4	SV20276TE006	SV20276SW006	1.1
1	SV20276TE010	SV20276SW010	1.7
1-1/4	SV20276TE012	SV20276SW012	2.4
1-1/2	SV20276TE014	SV20276SW014	3.3
2	SV20276TE020	SV20276SW020	5.0
2-1/2	SV20276TE024	SV20276SW024	9.1
3	SV20276TE030	SV20276SW030	13.2

Series 24834SC

Forged Carbon Steel Swing Check Valve

- Class 800
- A105 forged carbon steel body
- Bolted cover

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/2	SV24834SCTE004	SV24834SCSW004	3.3
3/4	SV24834SCTE006	SV24834SCSW006	3.7
1	SV24834SCTE010	SV24834SCSW010	7.3
1-1/4	SV24834SCTE012	SV24834SCSW012	9.2
1-1/2	SV24834SCTE014	SV24834SCSW014	9.2
2	SV24834SCTE020	SV24834SCSW020	13.1

Series S7066YS

316 Stainless Steel Threaded Wye Strainer

- 800 lb. wog
- PTFE seats
- 20 mesch 316 stainelss steel screen

Size IN	Part Number	Weight LB
	Threaded	
1/2	S7066YS004	0.5
3/4	S7066YS006	0.8
1	S7066YS010	1.6
1-1/4	S7066YS012	2.0
1-1/2	S7066YS014	2.7
2	S7066YS020	4.3

Series 24834
Forged Carbon Steel Piston Check Valve
- Class 800
- A105 forged carbon steel body
- Bolted cover

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/2	SV24834TE004	SV24834SW004	3.3
3/4	SV24834TE006	SV24834SW006	3.7
1	SV24834TE010	SV24834SW010	7.3
1-1/4	SV24834TE012	SV24834SW012	9.2
1-1/2	SV24834TE014	SV24834SW014	9.2
2	SV24834TE020	SV24834SW020	13.1

Series 24836
316L Stainless Steel Piston Check Valve
- Class 800
- A182 / 316L forged stainless steel body
- Bolted cover

Size IN	Part Number		Weight LB
	Threaded	Socket Weld	
1/2	SV24836TE004	SV24836SW004	3.3
3/4	SV24836TE006	SV24836SW006	3.7
1	SV24836TE010	SV24836SW010	7.3
1-1/4	SV24836TE012	SV24836SW012	9.2
1-1/2	SV24836TE014	SV24836SW014	9.2
2	SV24836TE020	SV24836SW020	13.1

Series 0P20CC6VV
Carbon Steel Swing Check Valve
- 3000 psi
- Nace MR-01-75 Compliant

Size IN	Part Number	Weight LB
	Threaded	
2	SVOP20CC6VV020	12.0
3	SVOP20CC6VV030	33.0

Series 0P20DA6VV
Ductile Iron Swing Check Valve
- 1000 psi
- Nace MR-01-75 Compliant

Size IN	Part Number	Weight LB
	Threaded	
4	SVOPDA6VV040	59.5

Series 0P20CE6VV
Carbon Steel Swing Check Valve
- 5000 psi
- Nace MR-01-75 Compliant

Size IN	Part Number	Weight LB
	Threaded	
1	SVOP20CE6VV010	5.5
2	SVOP20CE6VV020	12.0

Series 0P20DB6VV
Ductile Iron Swing Check Valve
- 2000 psi
- Nace MR-01-75 Compliant

Size IN	Part Number	Weight LB
	Threaded	
1	SVOP20DB6VV010	6.0
2	SVOP20DB6VV020	11.7
3	SVOP20DB6VV030	27.8
4	SVOP20DB6VV040	59.5

SHARPE

Series 35114

Cast Steel 150 lb. Flanged Gate Valve

- Full port
- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel

Size IN	Part Number	Weight LB
2	SV35114020	37.4
2-1/2	SV35114024	59.4
3	SV35114030	72.6
4	SV35114040	105.6
6	SV35114060	171.6
8	SV35114080	264.0
10	SV35114100	387.2
12	SV35114120	572.0
14	SV35114140	836.0
16	SV35114160	1166.0
18	SV35114180	1364.0
20	SV35114200	1782.0
24	SV35114240	2530.0

SHARPE

Series 35314

Cast Steel 300 lb. Flanged Gate Valve

- Full port
- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel

Size IN	Part Number	Weight LB
2	SV35314020	45.8
2-1/2	SV35314024	77.0
3	SV35314030	107.8
4	SV35314040	151.80
6	SV35314060	286.0
8	SV35314080	457.6
10	SV35314100	732.6
12	SV35314120	1179.2

***600 lb. Flanged End Valve Available Upon Request**

SHARPE

Series 35116

316L Stainless Steel 150 lb. Flanged Gate Valve

- Full port
- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel

Size IN	Part Number	Weight LB
1/2	SV35116004	7.5
3/4	SV35116006	7.9
1	SV35116010	10.6
1-1/2	SV35116014	18.2
2	SV35116020	25.0
2-1/2	SV35116024	34.7
3	SV35116030	48.3
4	SV35116040	76.4
5	SV35116050	104.7
6	SV35116060	118.9
8	SV35116080	197.3
10	SV35116100	313.1
12	SV35116120	465.1
14	SV35116140	858.0

SHARPE

Series 35316

316L Stainless Steel 300 lb. Flanged Gate Valve

- Full port
- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel

Size IN	Part Number	Weight LB
1/2	SV35316004	11.8
3/4	SV35316006	13.8
1	SV35316010	15.4
1-1/2	SV35316014	35.0
2	SV35316020	45.8
2-1/2	SV35316024	55.8
3	SV35316030	84.8
4	SV35316040	142.0
6	SV35316060	253.0
8	SV35316080	376.2
10	SV35316100	651.2
12	SV35316120	891.0

***600 lb. Flanged End Valve Available Upon Request**

Flanged OS&Y Globe Valves

Series 45114

Cast Steel 150 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Stem/wedge connection meets the API 600 Pull Test
- Rising stem and hand-wheel
- Available with gear operator

Size IN	Part Number	Weight LB
2	SV45114020	48.4
2-1/2	SV45114024	63.8
3	SV45114030	88.0
4	SV45114040	140.8
6	SV45114060	231.0
8	SV45114080	338.8
10	SV45114100	633.6
12	SV45114120	1115.4
14	SV45114140	1144.0
16	SV45114160	1678.6

Series 45314

Cast Steel 300 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Stem/wedge connection meets the API 600 Pull Test
- Rising stem and hand-wheel
- Available with gear operator

Size IN	Part Number	Weight LB
2	SV45314020	68.2
2-1/2	SV45314024	94.6
3	SV45314030	125.4
4	SV45314040	189.2
6	SV45314060	369.6
8	SV45314080	616.0
10	SV45314100	847.0
12	SV45314120	1592.8

***600 lb. Flanged Ends Available Upon Request**

Series 45116

316 Stainless Steel 150 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Stem/wedge connection meets the API 600 Pull Test
- Rising stem and hand-wheel
- Available with gear operatortor

Size IN	Part Number	Weight LB
1/2	SV45116004	6.9
3/4	SV45116006	8.2
1	SV45116010	9.6
1-1/4	SV45116012	13.9
1-1/2	SV45116014	16.3
2	SV45116020	23.3
2-1/2	SV45116024	33.5
3	SV45116030	45.7
4	SV45116040	68.2
5	SV45116050	140.1
6	SV45116060	136.8
8	SV45116080	217.6
10	SV45116100	413.6
12	SV45116120	1049.4

***300 lb. & 600 lb. Flanged End Valves Available Upon Request**

SHARPE

Series 25114

Cast Steel 150 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings
- For horizontal or vertical lines

Size IN	Part Number	Weight LB
2	SV25114020	37.4
2-1/2	SV25114024	52.8
3	SV25114030	61.6
4	SV25114040	92.4
6	SV25114060	149.6
8	SV25114080	259.6
10	SV25114100	433.4
12	SV25114120	664.4
14	SV25114140	818.4
16	SV25114160	1254.0
18	SV25114180	1463.0
20	SV25114200	1980.0
24	SV25114240	2989.8

SHARPE

Series 25314

Cast Steel 300 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings
- For horizontal or vertical lines

Size IN	Part Number	Weight LB
2	SV25314020	46.2
2-1/2	SV25314024	52.8
3	SV25314030	94.6
4	SV25314040	132.0
6	SV25314060	288.2
8	SV25314080	468.6
10	SV25314100	844.8
12	SV25314120	987.8

***600 lb. Flanged Ends Available Upon Request**

SHARPE

Series 25116

316 Stainless Steel 150 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings
- For horizontal or vertical lines

Size IN	Part Number	Weight LB
1/2	SV25116004	3.5
3/4	SV25116006	4.7
1	SV25116010	6.0
1-1/4	SV25116012	7.2
1-1/2	SV25116014	10.3
2	SV25116020	17.2
2-1/2	SV25116024	25.5
3	SV25116030	32.2
4	SV25116040	62.4
5	SV25116050	82.60
6	SV25116060	103.5
8	SV25116080	167.2
10	SV25116100	295.5
12	SV25116120	429.9

SHARPE

Series 25316

316 Stainless Steel 300 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings
- For horizontal or vertical lines

Size IN	Part Number	Weight LB
1/2	SV25316004	5.7
3/4	SV25316006	7.8
1	SV25316010	12.1
1-1/2	SV25316014	21.1
2	SV25316020	31.5
2-1/2	SV25316024	44.7
3	SV25316030	55.4
4	SV25316040	100.8
6	SV25316060	177.5

***600 lb. Flanged Ends Available Upon Request**

AWWA Gate Valves

Series 10FW
Flanged Gate Valve with Hand-Wheel

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size IN	Part Number Flanged	Weight LB
2	017110FW020	32
2-1/2	017110FW025	43
3	017110FW030	53
4	017110FW040	74
6	017110FW060	150
8	017110FW080	215
10	017110FW100	335
12	017110FW120	478
14	017110FW140	868
16	017110FW160	1224

Series 10FN
Flanged Gate Valve with Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size IN	Part Number Flanged	Weight LB
2	017110FN020	32
2-1/2	017110FN025	43
3	017110FN030	53
4	017110FN040	74
6	017110FN060	150
8	017110FN080	215
10	017110FN100	335
12	017110FN120	478
14	017110FN140	868
16	017110FN160	1224

Series 10MN
Mechanical Joint Gate Valve with Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size IN	Part Number Mechanical Joint	Weight LB
3	017110MN030	44
4	017110MN040	63
6	017110MN060	127
8	017110MN080	174
10	017110MN100	277
12	017110MN120	461
14	017110MN140	875
16	017110MN160	1225
18	017110MN180	1436

Series 10MFN
Flanged by MJ with Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size IN	Part Number Mechanical Joint x Flanged	Weight LB
3	017110MFN030	50
4	017110MFN040	70
6	017110MFN060	143
8	017110MFN080	207
10	017110MFN100	321
12	017110MFN120	460

Series 10RN

Ring Tite Joint IPS Gate Valve with Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515
- IPS pipe size

Size IN	Part Number Push On	Weight LB
2	017110RN020	27
2-1/2	017110RN025	38
3	017110RN030	47
4	017110RN040	69
6	017110RN060	146
8	017110RN080	208

Series 10NW & 10NN

ISP Threaded Gate Valve with Hand Wheel or Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size IN	Part Number		Weight LB
	Hand Wheel	Op Nut	
2	017110NW020	017110NN020	24
3	017110NW030	017110NN030	49
4	017110NW040	017110NN040	68

Series 20FC

Flanged Cast Iron Swing Check Valve

- 200 lb. cold water working pressure
- Meets AWWA C508
- Gray Iron ASTM A126, Class B Body
- Meets MSS-SP-71
- Fusion bonded epoxy coating ANSI/AWWA C550
- Flanged connection
- Resilient disc brass seat
- 4 boss design

Size IN	Part Number Flanged	Weight LB
2	017320FC020	30
2-1/2	017320FC025	41
3	017320FC030	39
4	017320FC040	83
6	017320FC060	141
8	017320FC080	278
10	017320FC100	452
12	017320FC120	608

Series 20FCW

Flanged Cast Iron Swing Check Valve with Lever and Weight

- 200 lb. cold water working pressure
- Meets AWWA C508
- Gray Iron ASTM A126, Class B Body
- Meets MSS-SP-71
- Fusion bonded epoxy coating ANSI/AWWA C550
- Flanged connection
- Resilient disc brass seat
- 4 boss design

Size IN	Part Number Flanged	Weight LB
2	017320FCW020	42
2-1/2	017320FCW025	45
3	017320FCW030	58
4	017320FCW040	108
6	017320FCW060	154
8	017320FCW080	314
10	017320FCW100	368
12	017320FCW120	546

Spring Kits Available

Cast Iron Butterfly Valve

Series 160

Cast Iron Body Butterfly Valve

- 200 psi (2 - 12)
- 150 psi (14 & 16)
- Cast iron body
- 316 stainless steel, nickel plated ductile iron or aluminum bronze disc
- EPDM or BUNA-N seat
- Lug or wafer connections
- Stainless steel stem
- Stem extensions available
- Fusion bonded epoxy coating
- MSS SP-67/API 609
- ISO 5211 mounting pad
- Install between ANSI Class 125/150 flange
- ISO 9001:2008 manufacturer

0160W D E L 020

Valve Style	
0160W	Wafer
0160L	Lug

Disc Material	
S	316 Stainless Steel
D	Nickel Plated Ductile Iron
A	Aluminum Bronze *

Seat Material	
E	EPDM
N	BUNA-N

Operator	
L	10 Position Lever Handle
G	Gear Operator

Size IN	
020	2
024	2-1/2
030	3
040	4
050	5
060	6
080	8
100	10
120	12
140	14
160	16

*Denotes Special Order - Lead Times Will Vary, Call For More Information

Ductile Iron Butterfly Valve

Series 17

Ductile Iron Body Butterfly Valve

- 200 psi (2 - 12)
- 150 psi (14 & 16)
- Ductile iron body
- 316 stainless steel, nickel plated ductile iron, aluminum bronze, ductile iron nylon coated or monel disc
- EPDM, BUNA-N, BUNA (perox. cured), EPDM food grade, Viton, Hypalon, hi-temp Viton or PTFE seat
- Lug, wafer or flanged connections
- MSS SP - 67 and API 609 compliant
- MSS SP - 25 marking
- Self- lubricated bushings
- Blow-out proof shaft
- Epoxy coated
- Valves available with undercut discs to 50 psi
- ISO 5211 mounting pad
- For di-directional or dead end service
- Phenolic backed cartridge seat
- Stem extensions available

SV17W 1 2 4 1 2 020

Valve Style	
SV17W	Wafer
SV17L	Lug
SV17F	Flanged*

Body Material	
2	Ductile Iron (A356)
1	Cast Iron*
3	Ductile Iron (A395)*
6	316 Stainless Steel (A351)*

Disc Material	
6	316 Stainless Steel
2	Nickel Plated Ductile Iron
3	Aluminum Bronze (C594)
4	Ductile Iron Nylon Coated*
1	Monel*

Shaft Material	
4	Stainless Steel 416
6	Stainless Steel 316
1	Monel*

Seat Material	
1	EPDM
4	BUNA-N
2	BUNA (Perox. Cured)*
3	EPDM (Food Grade)*
5	Viton*
7	Hypalon*
8	Hi-temp Viton*
9	PTFE*

Operator	
1	10 Position Lever Handle
2	Gear Operator
3	Pneumatic Double Acting
4	Pneumatic SR Fail Close
5	Pneumatic SR Fail Open
6	Electric Actuator
7	Gear w/ Chain Wheel
8	Bare Stem

Size IN	
020	2
024	2-1/2
030	3
040	4
050	5
060	6
080	8
100	10
120	12
140	14
160	16
180	18
200	20
240	24
260	26
300	30
340	34
360	36
420	42
480	48

*Denotes Special Order - Lead Times Will Vary, Call For More Information

Stainless Steel Sanitary Butterfly Valve

Series 15

Stainless Sanitary Butterfly Valve

- Tube port
- 304 or 316 stainless steel
- Clamp ends
- 150 psi @ 200° F
- precision milled body
- Sharpe logo, material grade, size, heat number and country of origin engraved on each valve body
- Disc fully machined and polished
- Hygienic seating design
- Automation available upon request
- Optional: pull handle 4 position, blue 12 position handle, stainless steel 12 position handle

SV154 E CC 2 1 020

Valve Material	
SV154	304 Stainless Steel
SV156	316 Stainless Steel *

Seat Material	
E	EPDM
N	BUNA-N
V	Viton *

Shaft Material	
CC	Tri-Clamp
BB	Buttweld *
EE	Extendable Buttweld *
MM	Male Threaded *
CB	Clamp x Buttweld *

Surface Finish	
1	20 RA *
2	25 RA
3	15 RA *
4	20 RA Electo Polish *

Operator	
1	Blue 12 Position Lever Handle
2	2 Position Handle
3	12 Position Stainless Steel Lever Handle
4	4 Position Pull Handle
5	Bare Stem
6	Gear Operator

Size IN	
010	1
014	1-1/2
020	2
024	2-1/2
030	3
040	4

*Denotes Special Order - Lead Times Will Vary, Call For More Information

Fig. 67BFVGET
Grooved End Butterfly Valve with Indicator

- 300 psi UL/ULC/FM Butterfly Valve
- California State Fire Marshall Approval No. 7770-1740:100
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Ductile iron body
- Grooved ends
- Gear operated
- UL/ULC Listed
- FM Approved

Size IN	Part Number	Weight LB
2-1/2	67BFVGET024	22.0
3	67BFVGET030	23.0
4	67BFVGET040	27.0
6	67BFVGET060	42.0
8	67BFVGET080	47.0

View page 66 for full Specification Sheet.

Fig. 67BFVWET
Wafer End Butterfly Valve with Indicator

- 300 psi UL/ULC/FM Butterfly Valve
- California State Fire Marshall Approval No. 7770-1740:100
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Ductile iron body
- Wafer ends
- Gear operated
- UL/ULC Listed
- FM Approved

Size IN	Part Number	Weight LB
2-1/2	67BFVWET024	22.0
3	67BFVWET030	23.0
4	67BFVWET040	27.0
6	67BFVWET060	33.0
8	67BFVWET080	45.0

View page 65 for full Specification Sheet.

Fig. 67BFVG
Grooved End Butterfly Valve

- 300 psi
- EPDM 200˚ F max working temperature
- NBR 180˚ F max working temperature
- Ductile iron body
- 10-position lever handle or gear operator
- Grooved ends to AWWA 606

Size IN	Part Number				Weight w/ Lever LB	Weight w/Gear Op LB
	EPDM Lever	EPDM Gear	NBR Lever	NBR Gear		
2	67BFVGEL020	-	67BFVGNL020	-	6.7	-
2-1/2	67BFVGEL024	-	67BFVGNL024	-	7.5	-
3	67BFVGEL030	-	67BFVGNL030	-	8.7	-
4	67BFVGEL040	-	67BFVGNL040	-	12.2	-
5	67BFVGEL050	-	67BFVGNL050	-	17.3	-
6	67BFVGEL060	67BFVGEG060	67BFVGNL060	67BFVGNG060	17.3	41.0
8	67BFVGEL080	67BFVGEG080	67BFVGNL080	67BFVGNG080	32.5	46.5
10	-	67BFVGEG100	-	67BFVGNG100	-	93.0
12	-	67BFVGEG120	-	67BFVGNG120	-	111.0

View page 67 for full Specification Sheet.

PVC Ball Valves

Series 6122
CPVC Ball Valve

- Certified to NSF/ANSI 14
- Copper tube size
- 150 psi @ 180˚F
- PTFE seat
- EPDM o-ring
- Cream body w/red handle
- Produced using virgin CPVC resins

Size IN	Part Number Slip	Packing	Weight LB
1/2	02936122G	192	0.1
3/4	02936122I	140	0.2
1	02936122K	72	0.4

Series 9521 & 9522
PVC Ball Valve

- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded in place construction
- PTFE seat
- EPDM o-ring
- White w/blue handle
- Produced using virgin PVC resins

Size IN	Part Number Threaded	Part Number Slip	Packing	Weight LB
1/2	02939521G	02939522G	135	0.2
3/4	02939521I	02939522I	80	0.3
1	02939521K	02939522K	90	0.6
1-1/4	02939521L	02939522L	30	0.7
1-1/2	02939521M	02939522M	20	1.0
2	02939521N	02939522N	20	1.5

Series 9541 & 9542
PVC Ball Valve

- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded in place construction
- Gray w/blue handle

Size IN	Part Number Threaded	Part Number Slip	Packing	Weight LB
1/2	02939541G	02939542G	135	0.2
3/4	02939541I	02939542I	80	0.2
1	02939541K	02939542K	90	0.4
1-1/4	02939541L	02939542L	30	0.5
1-1/2	02939541M	02939542M	20	0.8
2	02939541N	02939542N	20	1.4

Series 9121 & 9122
PVC Ball Valve

- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded in place construction
- White w/blue handle
- EPDM o-ring
- Santoprene seat

Size IN	Part Number Threaded	Part Number Slip	Packing	Weight LB
1/2	02939121G	02939122G	120	0.2
3/4	02939121I	02939122I	80	0.2
1	02939121K	02939122K	50	0.4
1-1/4	02939121L	02939122L	70	0.5
1-1/2	02939121M	02939122M	40	0.8
2	02939121N	02939122N	20	1.4
2-1/2	02939121P	02939122P	8	3.7
3	02939121Q	02939122Q	3	5.6
4	02939121T	02939122T	8	6.3

Series 200

Straight Gas Ball Valve, IPS

- Lever/tee handle
- Forged brass body, two piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x FIP	Packing Inner	Packing Master	Weight LB
3/8	0190200E	12	144	0.3
1/2	0190200G	12	144	0.3
3/4	0190200I	8	96	0.5
1	0190200K	6	72	0.9

Series 250

Straight Gas Ball Valve, IPS

- Square operator
- Forged brass body, two piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x FIP	Packing Inner	Packing Master	Weight LB
1/2	0190250G	12	144	0.3
3/4	0190250I	12	144	0.5

Series 235

Angle Gas Ball Valve, Flare

- lever/tee handle
- Forged brass body, two piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x Flare	Packing Inner	Packing Master	Weight LB
1/2 x 3/8	0190235GE	6	96	0.4
1/2 x 1/2	0190235GG	6	96	0.4
3/4 x 5/8*	0190235IH	6	96	0.6

5/8 Flare connection 15/16-16 threads

Series 205

Straight Gas Ball Valve, IPS

- Lever handle
- Forged brass body, one piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x FIP	Packing Inner	Packing Master	Weight LB
1/2	0190205G	20	80	0.4
3/4	0190205I	14	56	0.6

Series 230

Straight Gas Ball Valve, Flare

- Lever/tee handle
- Forged brass body, two piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x Flare	Packing Inner	Packing Master	Weight LB
1/2 x 3/8	0190230GE	12	144	0.4
1/2 x 1/2	0190230GG	12	144	0.4
1/2 x 5/8	0190230GH	12	144	0.4
3/4 x 5/8*	0190230IH	12	144	0.5

5/8 Flare connection 15/16-16 threads

Series 235

Straight Gas Ball Valve, Flare

- Lever/tee handle
- Forged brass body, two piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x Flare	Packing Inner	Packing Master	Weight LB
3/8	0190236EE	12	144	0.4
1/2	0190236GG	12	144	0.4
1/2	0190255XG	12	144	0.4

Series 231

Straight Gas Ball Valve, Flare

- Lever handle
- Forged brass body, one piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP x Flare	Packing Inner	Packing Master	Weight LB
1/2 x 3/8	0190231GE	20	80	0.3
1/2 x 1/2	0190231GG	20	80	0.4
3/4 x 5/8*	0190231IH	20	56	0.6

5/8 Flare connection 15/16-16 threads

Series 258

Straight Gas Ball Valve, TX Pattern

- •Lever handle
- Forged brass body, one piece
- Blow-out proof stem
- U/L Listed
- ISO 9001:2008 manufacturer

Size IN	Part Number FIP INlet	Packing Inner	Packing Master	Weight LB
1/2	0190258G	20	80	0.4

All Gas Valves are cerified to:

Fed. Spec. WW-V-35, Type II Class A, Style 3 / CSA Approved (ANSI z21.15a for 1/2 psiG) / CSA Approved (3-88 spec 5 psiG Residental Gas)

Hose Bibbs

Series 168

Brass No Kink Hose Bibb, FIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Female	Packing Inner	Packing Master	Weight LB
1/2	0190168G	15	90	0.4
3/4	0190168I	15	90	0.5

Series 169

Brass No Kink Hose Bibb, MIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Male	Packing Inner	Packing Master	Weight LB
1/2	0190169G	15	90	0.5
3/4	0190169I	15	90	0.5

Series 167

Brass No Kink Hose Bibb, Compression Inlet

- No Kink Hose Bibb
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Compression	Packing Inner	Packing Master	Weight LB
1/2	0190167G	15	90	0.5

Series 169IG

Brass No Kink Hose Bibb, Sweat Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Fem/Male SWT	Packing Inner	Packing Master	Weight LB
3/4 x 1/2	0190169IG	15	90	0.5

Series 166

Brass No Kink Hose Bibb, MIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number Male	Packing Inner	Packing Master	Weight LB
1/2	0190166G	15	90	0.6
3/4	0190166I	15	90	0.6

Series 361 & 362

Brass No Kink Hose Bibb, 1/4 Turn

- 125 lb. CWP
- Butterfly handle
- Cast brass

Size IN	Part Number Male	Part Number Female	Packing Inner	Packing Master	Weight LB
1/2	0190361G	0190362G	15	90	0.48
3/4	0190361I	0190362I	15	90	0.53

Series 162
Brass No Kink Hose Bibb, FIP Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
1/2	0190162G	20	120	0.3
3/4	0190162I	20	120	0.3

Series 161
Brass No Kink Hose Bibb, MIP Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Male	Inner	Master	
1/2	0190161G	20	120	0.3
3/4	0190161I	20	120	0.4

Series 159
Brass No Kink Hose Bibb, Compression Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Compression	Inner	Master	
1/2	0190159G	20	120	0.4

Series 163
Brass No Kink Hose Bibb, Sweat Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Fem/Male SWT	Inner	Master	
3/4 x 1/2	0190163IG	20	120	0.5

Series 160
Brass Hose Bibb, MIP Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Male	Inner	Master	
1/2	0190160G	15	90	0.4
3/4	0190160I	15	90	0.4

Series 164
Brass No Kink Hose Bibb, MIP Inlet 1/4 Turn
- 125 lb. CWP
- Cast brass
- ISO 9001:2008 manufacturer

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
1/2	0190164G	Male	12	96	0.3
3/4	0190164I	Male	12	96	0.5
3/4 x 1/2	0190164IG	Male x SWT	12	96	0.4

Series 110 & 111
Brass Flanged Sillcock FIP or Sweat Inlet
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Connection	Packing		Weight LB
			Inner	Master	
1/2	0190110G	Female	12	72	0.5
3/4	0190110I	Female	12	72	0.5
1/2 x 3/4	0190111GI	Sweat	12	72	0.5

Series 112
Brass Flanged Sillcock with Stuffing Box, FIP Inlet
- 125 lb. CWP
- Cast brass
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
1/2	0190112G	10	60	0.6
3/4	0190112I	8	48	0.6

Series 112VB
Brass Flanged Sillcock with Stuffing Box & Vacuum Breaker, FIP Inlet
- 125 lb. CWP
- Cast brass
- Hose end vacuum breaker installed
- Certified to NSF/ANSI 61-8
- Vacuum breaker meets ANSI 10.11 and CSA B64.2
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
1/2	0190112GVB	8	48	0.8

Series 310
Brass Flanged Sillcock, FIP Inlet 1/4 Turn
- Butterfly Handle
- Brass Body

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
1/2	0190310G	15	90	0.5
3/4	0190310I	15	90	0.6

Series 167
Vacuum Breaker
- ASSE/UPC Approved and Marked
- Flat sealing washer
- Break away locking screw

Size IN	Part Number	Packing		Weight LB
		Inner	Master	
3/4	0190167II	48	288	0.2

Series 170
Brass Bent Nose Garden Valve, FIP Inlet
- 125 lb. CWP
- Cast brass
- Oval handle

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
1/2	0190170G	12	72	0.7
3/4	0190170I	12	72	0.7
1	0190170K	12	72	0.7
1/2	0190170GLK*	12	72	0.6

**With Loose Key Handle*

Series 800

Anti-Siphon Frost Free Sillcock

- 3/4 MHT outlet
- 3/4 MIP x 1/2 FIP inlet
- Chrome plated brass body with vacuum breaker
- Metal handle (plastic handle available)
- IAPMO/UPC Listed
- CSA Approved
- ASSE Approved
- ISO 9001:2008 manufacturer

Length IN	Part Number	Packing		Weight LB
	3/4 MIP x 1/2 FIP	Inner	Master	
4	0190804IG	2	24	1.1
6	0190806IG	2	24	1.1
8	0190808IG	2	24	1.2
10	0190810IG	2	24	1.2
12	0190812IG	2	24	1.2
14	0190814IG	2	24	1.3

Series 700

Anti-Siphon Frost Free Sillcock

- 3/4 MHT outlet
- 1/2 MIP x 1/2 SWT inlet
- Chrome plated brass body with vacuum breaker
- Metal handle (plastic handle available)
- IAPMO/UPC Listed
- CSA Approved
- ASSE Approved
- ISO 9001:2008 manufacturer

Length IN	Part Number	Packing		Weight LB
	1/2 MIP x 1/2 SWT	Inner	Master	
4	0190704GG	2	24	1.0
6	0190706GG	2	24	1.1
8	0190708GG	2	24	1.1
10	0190710GG	2	24	1.2
12	0190712GG	2	24	1.3
14	0190714GG	2	24	1.3

Series 500

Frost Free Sillcock

- 3/4 MHT outlet
- 3/4 MIP x 1/2 FIP inlet
- Brass body
- Chrome plated

Length IN	Part Number	Packing		Weight LB
	3/4 MIP x 1/2 FIP	Inner	Master	
4	0190504IG	2	24	1.0
6	0190506IG	2	24	1.0
8	0190508IG	2	24	1.1
10	0190510IG	2	24	1.1
12	0190512IG	2	24	1.2
14	0190514IG	2	24	1.3

Series 400

Frost Free Sillcock

- 3/4 MHT outlet
- 1/2 MIP x 1/2 SWT inlet
- Brass body
- Chrome plated

Length IN	Part Number	Packing		Weight LB
	1/2 MIP x 1/2 SWT	Inner	Master	
4	0190404GG	2	24	0.9
6	0190406GG	2	24	1.0
8	0190408GG	2	24	1.0
10	0190410GG	2	24	1.1
12	0190412GG	2	24	1.2

Boiler Drains & Evaporator Cooler Valve

Series 102 & 103

Brass Boiler Drain with Stuffing Box

- 125 lb. CWP
- Full flow
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Female	Male	Inner	Master	
1/2	0190102G	0190103G	12	72	0.5
3/4	0190102I	0190103I	12	72	0.5

Series 100 & 101

Brass Boiler Drain

- 125 lb. CWP
- Cast brass
- Cast iron handle

Size IN	Part Number		Packing		Weight LB
	Female	Male	Inner	Master	
1/2	0190100G	0190101G	12	72	0.5
3/4	0190100I	0190101I	12	72	0.5

Series 101X

Brass Extended Shank Boiler Drain

- 125 lb. CWP
- Cast brass
- Extended shank model w/plastic locknut
- Cast iron handle

Size IN	Part Number	Packing		Weight LB
	Male	Inner	Master	
1/2	0190101XG	12	72	0.5

Series 106

Brass Boiler Drain, Compression Inlet

- 125 lb. CWP
- Cast brass
- Cast iron handle

Size IN	Part Number	Packing		Weight LB
	Compression	Inner	Master	
1/2	0190106G	12	72	0.5

Series 301

Brass Boiler Drain, 1/4 Turn

- 125 lb. CWP
- Butterfly handle

Size IN	Part Number	Packing		Weight LB
	Male	Inner	Master	
1/2	0190301G	15	90	0.5
3/4	0190301I	1	90	0.6

Series 180

Brass Evaporator Cooler Valve

- 125 lb. CWP
- Cast brass
- Boiler drain, 1/8 outlet tapped in side

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
3/4	0190180I	14	84	0.5

Series 7161
Celcon No Kink Hose Bibb
- Max 150 psi @ -20˚F to +180˚F

Size IN	Part Number FIP x MHT	Packing Inner	Packing Master	Weight LB
1/2	0227161G	–	108	0.2
3/4	0227161I	–	108	0.2

Series 7160
Celcon No Kink Hose Bibb
- Max 150 psi @ -20˚F to +180˚F

Size IN	Part Number FIP x MHT	Packing Inner	Packing Master	Weight LB
1/2	0227160G	–	108	0.2
3/4	0227160I	–	108	0.2

Series 7101
Celcon Boiler Drain
- Max 150 psi @ -20˚F to +180˚F

Size IN	Part Number Threaded	Part Number Slip	Packing Inner	Packing Master	Weight LB
1/2	0227101G	0227102G	–	108	0.2
3/4	0227101I	0227102I	–	108	0.2

Series 6130
PVC Straight Stop Valve
- Max 100 psi @ 73˚F

Size IN	Part Number Slip x Slip	Packing Inner	Packing Master	Weight LB
1/2	0226130G	–	108	0.2
3/4	0226130I	–	108	0.2

Series 7130
Celcon Straight Stop Valve
- Max 150 psi @ -20˚F to +180˚F

Size IN	Part Number Threaded	Packing Inner	Packing Master	Weight LB
1/2	0227130G	–	108	0.2
3/4	0227130I	–	108	0.2

Series 8130
CPVC Straight Stop Valve
- Max 100 psi @ 100˚F

Size IN	Part Number Slip x Slip	Packing Inner	Packing Master	Weight LB
1/2	0228130G	–	108	0.2
3/4	0228130I	–	108	0.2

Series 8135
CPVC Straight Stop Valve with Drain
- Max 100 psi @ 100˚F

Size IN	Part Number Slip x Slip	Packing Inner	Packing Master	Weight LB
1/2	0228135G	–	108	0.2
3/4	0228135I	–	108	0.2

Series 161 & 162
Transition Adapter
- Brass to PVC
- Certified to NSF/ANSI 61.9

Size IN	Part Number MIP x Slip	Part Number FIP x Slip	Packing Inner	Packing Master	Weight LB
1/2	0945161G	0945162G	50	300	0.2
3/4	0945161I	0945162I	50	300	0.2

Series 64
PVC Compression Adapter
- Max 150 psi @ 73˚F
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number Comp x MIP	Packing	Weight LB
1/2	02946400	140	0.2
3/4	02946412	108	0.2
1	02946414	72	0.3
1-1/4	02946416	45	0.4
1-1/2	02946418	36	0.5
2	02946420	24	0.6

Series 52
PVC Expandable Repair Coupling
- Max 150 psi @ 73˚F
- Meets ASTM D1784 & D2466
- For cold water use only
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number Fem Slip x Male Slip	Packing	Weight LB
1/2	02945200	64	0.3
3/4	02945212	48	0.4
1	02945214	24	0.8
1-1/4	02945216	18	1.1
1-1/2	02945218	15	1.3
2	02945220	9	1.8
2-1/2	02945225	10	2.7
3	02945230	3	4.0
4	02945240	2	6.1

Series 8121 & 8122
PVC Union
- Max. 100 psi @ 180˚F
- Schedule 80 PVC
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number FIP x FIP	Part Number Slip x Slip	Packing	Weight LB
1/2	02938121G	02938122G	96	0.2
3/4	02938121I	02938122I	64	0.3
1	02938121K	02938122K	45	0.4
1-1/4	02938121L	02938122L	36	0.5
1-1/2	02938121M	02938122M	20	0.7
2	02938121N	02938122N	16	0.9

Series 8141 & 8142
PVC Union
- Max. 100 psi @ 180˚F
- Schedule 80 PVC
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number FIP x FIP	Part Number Slip x Slip	Packing	Weight LB
1/2	02938141G	02938142G	96	0.2
3/4	02938141I	02938142I	64	0.2
1	02938141K	02938142K	45	0.3
1-1/4	02938141L	02938142L	36	0.4
1-1/2	02938141M	02938142M	20	0.6
2	02938141N	02938142N	16	0.8

Series 260 and 520
PTFE Tape (Virgin)
- Melting point 620˚F (327˚C)
- Thickness .0035 (±.0005)
- ISO 9001:2008 manufacturer
- ASTM Mill Spec T-27730A

Size IN	Part Number	Length IN	Packing Inner	Packing Master	Weight LB
1/2	0383260G	260	200	1200	0.1
3/4	0383260I	260	150	600	0.1
1/2	0383520G	520	200	1200	0.1
3/4	0383520I	520	150	600	0.1
1	0383260K	260	150	600	0.1
1/2 (yellow)	0383260GY	260	100	600	0.1

Series 63
PVC Compression Tee

- Max 150 psi @ 73˚F
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number Comp x Comp x FIP	Packing	Weight LB
1/2	02946300	56	0.3
3/4	02946312	42	0.4
1	02946314	30	0.6
1-1/4	02946316	18	0.8
1-1/2	02946318	14	1.0
2	02946320	18	1.3
3/4 x 1/2	02946390	42	0.4

Series 63
PVC Slip Compression Tee

- Max 150 psi @ 73˚F
- Iron pipe sizes
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number Comp x Comp x Slip	Packing	Weight LB
1/2	02946350	56	0.2
3/4	02946362	42	0.2
1	02946364	30	0.3
1-1/4	02946366	18	0.4
1-1/2	02946368	14	0.6
2	02946370	18	0.8

Series 62
PVC Compression Coupling

- Max 150 psi @ 73˚F
- Iron pipe sizes
- Certified to NSF/ANSI 14 / Annex G Lead Free

Size IN	Part Number Comp x Comp	Packing	Weight LB
1/2	02946200	56	0.3
3/4	02946212	48	0.4
1	02946214	32	0.5
1-1/4	02946216	20	0.8
1-1/2	02946218	16	0.9
2	02946220	18	1.3
2-1/2	02946225	6	2.3
3	02946230	8	3.7
4	02946240	3	5.3

Series 82
Galvanized Compression Coupling

- Max. 125 psi @ 210˚F
- Seamless body and nut
- Zinc plated surface finish
- Long pattern

Size IN	Part Number Comp x Comp	Packing Inner	Packing Master	Weight LB
1/2	02948200	12	72	1.0
3/4	02948212	12	72	1.2
1	02948214	12	48	1.6
1-1/4	02948216	6	36	2.0
1-1/2	02948218	6	24	2.4
2	02948220	6	18	3.6

Series 92
Brass Compression Coupling

- Max. 125 psi @ 210˚F
- Brass body
- Long pattern

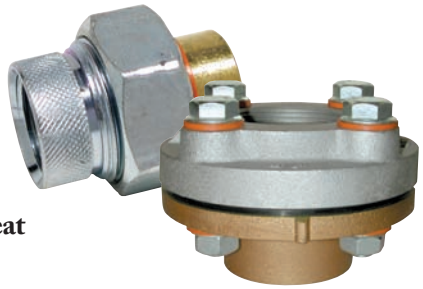
Size IN	Part Number Comp x Comp	Packing Inner	Packing Master	Weight LB
3/8	02949200	24	96	0.5
1/2	02949212	12	120	0.6
3/4	02949214	12	48	1.1
1	02949216	12	36	1.2
1-1/4	02949218	12	36	1.6
1-1/2	02949220	12	24	1.9
2	02949222	12	24	2.8

Series 32
CPVC Compression Coupling

- Max. 100 psi @ 180˚F
- Copper tube sizes
- Certified to NSF/ANSI 14 /Annex G Lead Free

Size IN	Part Number Comp x Comp	Packing	Weight LB
1/2	02943200G	125	0.2
3/4	02943200I	56	0.3

Dielectric Unions



Series 209FX
Female IPS x Brass Sweat Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- 2-1/2 - 4 flange style
- High temperature washers available
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number FIP x SWT	Packing Inner	Packing Master	Weight LB
1/2	0209FXG	12	144	0.3
3/4	0209FXI	12	144	0.4
3/4 x 1/2	0209FXIG	12	144	0.4
1	0209FXK	12	120	0.6
1-1/4	0209FXL	6	48	0.9
1-1/2	0209FXM	6	48	1.3
2	0209FXN	6	24	2.7
2-1/2	0209FXP	1	5	13.2
3	0209FXQ	1	5	15.6
4	0209FXT	1	2	29.8

Series 209FF
Female IPS x Female IPS Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number FIP x FIP	Packing Inner	Packing Master	Weight LB
1/2	0209FFG	10	100	0.5
3/4	0209FFI	10	100	0.7
1	0209FFK	5	50	1.1

Series 209MX
Male Iron Pipe x Brass Sweat Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number MIP x SWT	Packing Inner	Packing Master	Weight LB
1/2	0209MXG	12	144	0.6
3/4	0209MXI	12	144	0.6
3/4x1/2	0209MXIG	12	144	0.5
1	0209MXK	12	144	0.6

Series 210FX
Female Iron Pipe x Copper Sweat Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number FIP x SWT	Packing Inner	Packing Master	Weight LB
1/2	0210FXG	12	144	0.3
3/4	0210FXI	12	144	0.4
3/4 x 1/2	0210FXIG	12	144	0.6
1	0210FXK	12	120	0.6

Series 210MX
Male Iron Pipe x Copper Sweat Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number MIP x SWT	Packing Inner	Packing Master	Weight LB
1/2	0210MXG	10	100	0.5
3/4	0210MXI	10	100	0.6
3/4 x 1/2	0210MXIG	5	50	0.5

Notes

SMITH-COOPER®
INTERNATIONAL

GROOVED COUPLINGS, FITTINGS & VALVES

QUALITY

- All COOPLOK™ grooved couplings and cast fittings are UL Listed and FM Approved for use on schedule 10, schedule 40 steel pipe and sprinkler pipe. (see below)
- Not for use in steam applications
- 14" through 24" fittings available upon request
- Canadian Registration Numbers available at www.smithcooper.com
- Manufacturing facility is ISO 9001:2008
- Quality management inspections at both the factory and our warehouses
- For your protection, the SCI logo is marked on all fittings, couplings, bolts, and gaskets
- Ductile iron conforms to ASTM A-536
- Groove dimensions confroms to AWWA C606
- Electroplated track bolts conform to ASTM A-183 with a minimum tensile strenght of 110,000 psi
- Magnetic particle inspection of each bolt
- Coatings available in orange paint or hot dipped galvanized conforming to ASTM A153
- Grade E EPDM gaskets (green stripe) -30° F (-34° C) to +230° F (+110° C)
- Grade T Nitrile gaskets (orange stripe) -20° F (-29° C) to +180° F (+82° C)
- Replacment part list available at www.smithcooper.com

SPRINKLER PIPE APPROVALS

SCI COOPLOK™ Grooved Couplings are UL Listed and FM Approved for use with the following types of sprinkler pipe:*

PIPE NAME	MANUFACTURER
Dyna-Thread®, Central-Thread®, XL®, XL-II®, Dyna-Flow®, Super 40®, Super-Flo, TL®,Central 7®, BLT®	Allied Tube and Conduit Corp.
Eddylite®, Eddy Flow®, Eddy Thread 40®	Bull Moose Tube Co.
Gal-7®	IDOD Systems Co.
EZ-Flow®	Northwest Pipe & Casing Co.
WLS®,Mega-Flow®,Mega-Thread®,MLT®,GL®	Wheatland Tube Company
Steady Flow®, Steady Thread®	Welded Tube Corp.
Fire-Flo®, EZ-Thread®	Youngstown Tube Co.
Tex-Flow®	Tex-Tube International
SPS Flow®	Yieh Phui Enterprise Co. Ltd.

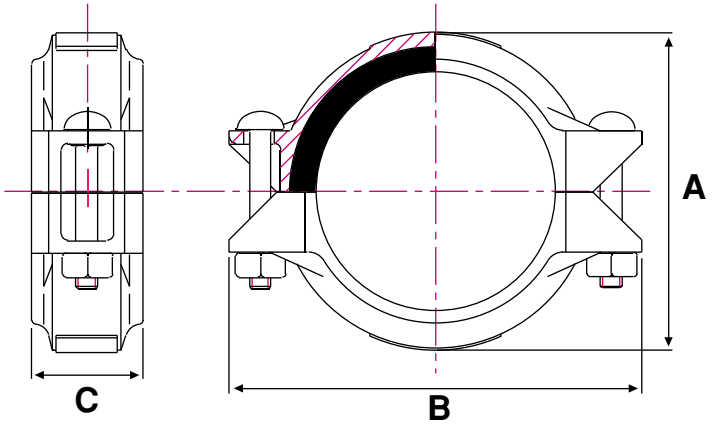
**Includes any manufacturer of Schedule 10 or Schedule 40 steel pipe.*

Lightweight Flexible Couplings

Fig. 65LF & 66LF

Lightweight Flexible Coupling with "C" Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- All bolts, gaskets and housings identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Gasket Grade T Nitrile (orange stripe) -20°F (-29°C) to +180°F (+82°C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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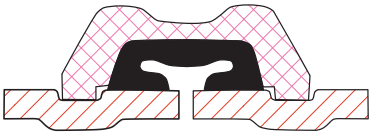


"C" Style Gasket

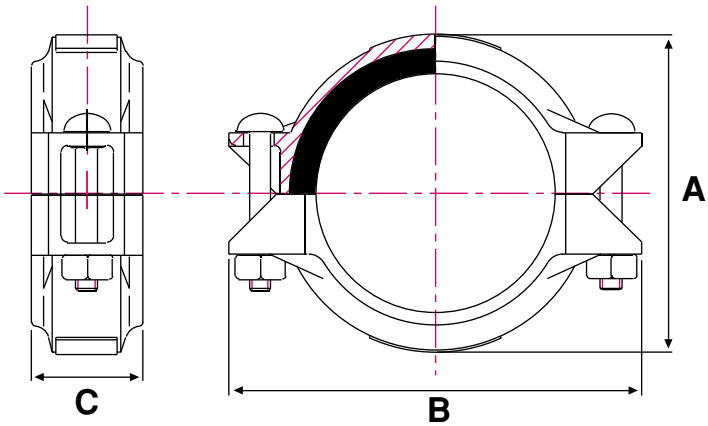
Pipe Size IN / mm	Part Number		Pipe OD IN / mm	Max Pipe End Gap IN / mm	Dimensions			Deflection Degrees	Case Qty	Weight LB / kg
	Painted	Galvanized			A IN / mm	B IN / mm	C IN / mm			
1-1/4 32	65LF3012	66LF3012	1.660 42.2	1/8 3.2	2.58 65.5	4.09 103.9	1.85 47.0	2.1°	36	1.2 0.5
1-1/2 40	65LF3014	66LF3014	1.900 48.3	1/8 3.2	2.85 72.4	4.37 111.0	1.85 47.0	1.9°	36	1.3 0.6
2 50	65LF3020	66LF3020	2.375 60.3	1/8 3.2	3.37 85.6	4.8 121.9	1.85 47.0	2.0°	30	1.7 0.8
2-1/2 65	65LF3024	66LF3024	2.875 73.0	1/8 3.2	3.88 98.6	5.28 134.1	1.85 47.0	2.3°	24	1.9 0.9
3 80	65LF3030	66LF3030	3.500 88.9	1/8 3.2	4.4 111.8	5.91 150.1	1.85 47.0	2.0°	20	2.1 0.9
4 100	65LF3040	66LF3040	4.500 114.3	1/4 6.4	5.75 146.1	7.44 189.0	2.01 51.1	2.2°	18	3.6 1.6
5 125	65LF3050	66LF3050	5.563 141.3	1/4 6.4	6.79 172.5	9.13 231.9	2.01 51.1	1.8°	12	5.1 2.3
6 150	65LF3060	66LF3060	6.625 168.3	1/4 6.4	7.95 201.9	10.31 261.9	2.01 51.1	1.6°	10	6.0 2.7
8 200	65LF3080	66LF3080	8.625 219.1	1/4 6.4	10.8 274.3	13.07 332.0	2.52 64.0	1.4°	-	10.6 4.8

Lightweight Flexible Couplings with Triple Seal Gasket

Fig. 65LFTRI & 66LFTRI

Lightweight Flexible Coupling with Triple Seal Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- All bolts, gaskets and housings identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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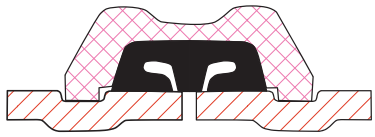


Triple Seal Gasket

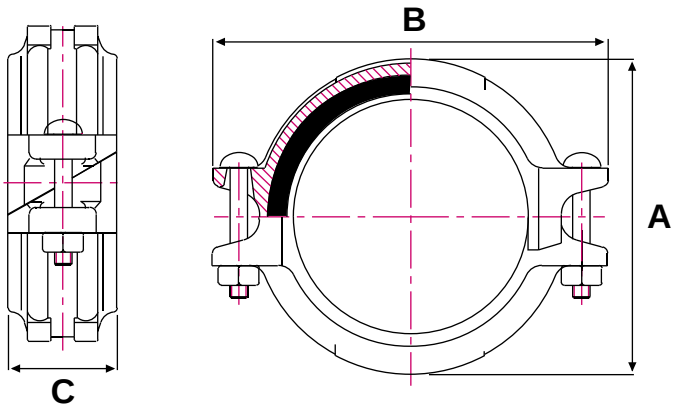
Pipe Size IN / *mm*	Part Number		Pipe OD IN / *mm*	Max Pipe End Gap IN / *mm*	Dimensions			Deflection Degrees	Case Qty	Weight LB / *kg*
	Painted	Galvanized			A IN / *mm*	B IN / *mm*	C IN / *mm*			
1-1/4 *32*	65LRTRI3012	66LRTRI3012	1.660 *42.2*	1/8 *3.2*	2.58 *65.5*	4.09 *103.9*	1.85 *47.0*	2.1°	36	1.2 *0.5*
1-1/2 *40*	65LRTRI3014	66LRTRI3014	1.900 *48.3*	1/8 *3.2*	2.85 *72.4*	4.37 *111.0*	1.85 *47.0*	1.9°	36	1.3 *0.6*
2 *50*	65LRTRI3020	66LRTRI3020	2.375 *60.3*	1/8 *3.2*	3.37 *85.6*	4.8 *121.9*	1.85 *47.0*	2.0°	30	1.7 *0.8*
2-1/2 *65*	65LRTRI3024	66LRTRI3024	2.875 *73.0*	1/8 *3.2*	3.88 *98.6*	5.28 *134.1*	1.85 *47.0*	2.3°	24	1.9 *0.9*
3 *80*	65LRTRI3030	66LRTRI3030	3.500 *88.9*	1/8 *3.2*	4.4 *111.8*	5.91 *150.1*	1.85 *47.0*	2.0°	20	2.1 *0.9*
4 *100*	65LRTRI3040	66LRTRI3040	4.500 *114.3*	1/4 *6.4*	5.75 *146.1*	7.44 *189.0*	2.01 *51.1*	2.2°	18	3.6 *1.6*
5 *125*	65LRTRI3050	66LRTRI3050	5.563 *141.3*	1/4 *6.4*	6.79 *172.5*	9.13 *231.9*	2.01 *51.1*	1.8°	12	5.1 *2.3*
6 *150*	65LRTRI3060	66LRTRI3060	6.625 *168.3*	1/4 *6.4*	7.95 *201.9*	10.31 *261.9*	2.01 *51.1*	1.6°	10	6.0 *2.7*
8 *200*	65LRTRI3080	66LRTRI3080	8.625 *219.1*	1/4 *6.4*	10.8 *274.3*	13.07 *332.0*	2.52 *64.0*	1.4°	-	10.6 *4.8*

Lightweight Rigid Couplings

Fig. 65LR & 66LR

Lightweight Rigid Coupling with "C" Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- All bolts, gaskets and housings identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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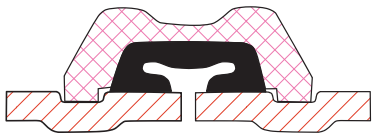


"C" Style Gasket

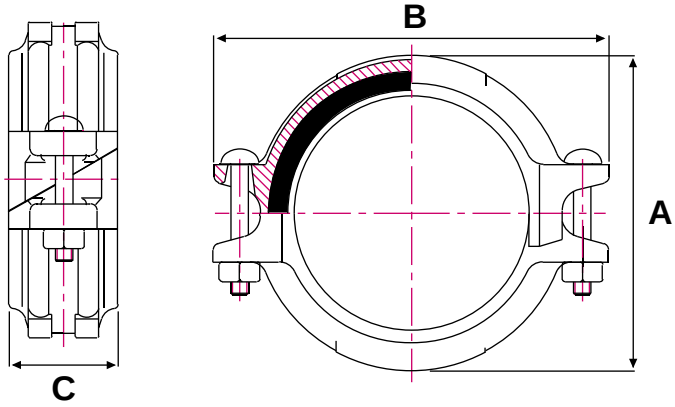
Pipe Size IN / mm	Part Number		Pipe OD IN / mm	Max Pipe End Gap IN / mm	Dimensions			Case Qty	Weight LB / kg
	Painted	Galvanized			A IN / mm	B IN / mm	C IN / mm		
1-1/4 32	65LR3012	66LR3012	1.660 42.2	1/8 3.2	2.66 67.6	4.09 103.9	1.85 47.0	36	1.2 0.5
1-1/2 40	65LR3014	66LR3014	1.900 48.3	1/8 3.2	2.93 74.4	4.37 111.0	1.85 47.0	36	1.3 0.6
2 50	65LR3020	66LR3020	2.375 60.3	1/8 3.2	3.44 87.4	4.8 121.9	1.85 47.0	30	1.7 0.8
2-1/2 65	65LR3024	66LR3024	2.875 73.0	1/8 3.2	3.96 100.6	5.28 134.1	1.85 47.0	24	1.9 0.9
3 80	65LR3030	66LR3030	3.500 88.9	1/8 3.2	4.55 115.6	5.91 150.1	1.85 47.0	20	2.1 1.0
4 100	65LR3040	66LR3040	4.500 114.3	1/4 6.4	5.83 148.1	7.28 184.9	2.01 51.1	18	3.6 1.6
5 125	65LR3050	66LR3050	5.563 141.3	1/4 6.4	6.87 174.5	8.62 218.9	2.01 51.1	12	5.1 2.3
6 150	65LR3060	66LR3060	6.625 168.3	1/4 6.4	8.03 204.0	9.76 247.9	2.01 51.1	10	6.0 2.7
8 200	65LR3080	66LR3080	8.625 219.1	1/4 6.4	10.16 258.1	12.52 318.0	2.52 64.0	-	10.6 4.8

Lightweight Rigid Couplings with Triple Seal Gasket

Fig. 65LRTRI & 66LRTRI

Lightweight Rigid Coupling with Triple Seal Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- All bolts, gaskets and housings identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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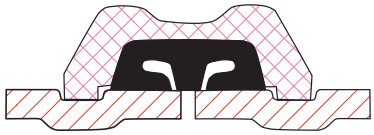


Triple Seal Gasket

Pipe Size IN / *mm*	Part Number		Pipe OD IN / *mm*	Max Pipe End Gap IN / *mm*	Dimensions			Case Qty	Weight LB / *kg*
	Painted	Galvanized			A IN / *mm*	B IN / *mm*	C IN / *mm*		
1-1/4 *32*	65LRTRI3012	66LRTRI3012	1.660 *42.2*	1/8 *3.2*	2.66 *67.6*	4.09 *103.9*	1.85 *47.0*	36	1.2 *0.5*
1-1/2 *40*	65LRTRI3014	66LRTRI3014	1.900 *48.3*	1/8 *3.2*	2.93 *74.4*	4.37 *111.0*	1.85 *47.0*	36	1.3 *0.6*
2 *50*	65LRTRI3020	66LRTRI3020	2.375 *60.3*	1/8 *3.2*	3.44 *87.4*	4.8 *121.9*	1.85 *47.0*	30	1.7 *0.8*
2-1/2 *65*	65LRTRI3024	66LRTRI3024	2.875 *73.0*	1/8 *3.2*	3.96 *100.6*	5.28 *134.1*	1.85 *47.0*	24	1.9 *0.9*
3 *80*	65LRTRI3030	66LRTRI3030	3.500 *88.9*	1/8 *3.2*	4.55 *115.6*	5.91 *150.1*	1.85 *47.0*	20	2.1 *1.0*
4 *100*	65LRTRI3040	66LRTRI3040	4.500 *114.3*	1/4 *6.4*	5.83 *148.1*	7.28 *184.9*	2.01 *51.1*	18	3.6 *1.6*
5 *125*	65LRTRI3050	66LRTRI3050	5.563 *141.3*	1/4 *6.4*	6.87 *174.5*	8.62 *218.9*	2.01 *51.1*	12	5.1 *2.3*
6 *150*	65LRTRI3060	66LRTRI3060	6.625 *168.3*	1/4 *6.4*	8.03 *204.0*	9.76 *247.9*	2.01 *51.1*	10	6.0 *2.7*
8 *200*	65LRTRI3080	66LRTRI3080	8.625 *219.1*	1/4 *6.4*	10.16 *258.1*	12.52 *318.0*	2.52 *64.0*	-	10.6 *4.8*

Standard Weight Flexible Couplings

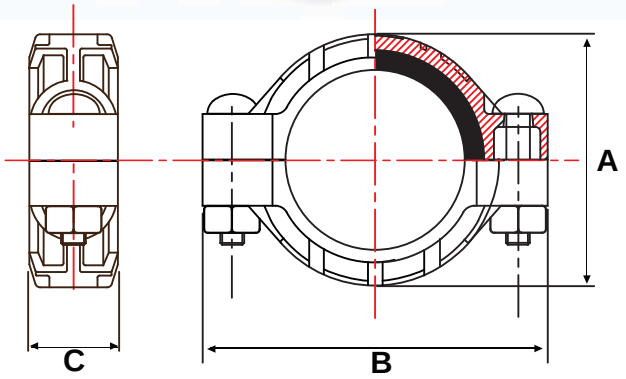
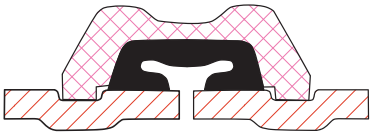


Fig. 65SF & 66SF

Standard Weight Flexible Coupling with "C" Gasket

- Maximum working pressure depending on the size and schedule of the pipe being used:
  1" to 6" - 1000 psi (68.9 bar)
  8" to 12" - 800 psi (55.1 bar)
  14" to 20" - 300 psi (20.6 bar)
  24" - 250 psi (17.2 bar)
- 14" and larger are not UL Listed or FM Approved
- All bolts, gaskets and housings identified by SCI logo
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Gasket Grade T Nitrile (orange stripe) -20°F (-29°C) to +180°F (+82°C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



"C" Style Gasket

Pipe Size IN / mm	Part Number		Pipe OD IN / mm	Max Pipe End Gap IN / mm	Dimensions			Number of Sections	Case Qty	Weight LB / kg
	Painted	Galvanized			A IN / mm	B IN / mm	C IN / mm			
1 25	65SF3010	66SF3010	1.315 33.7	1/8 3.2	2.34 59.5	3.94 100.0	1.73 44.0	2	40	1.2 0.5
1-1/4 32	65SF3012	66SF3012	1.660 42.2	1/8 3.2	2.70 68.5	4.41 112.0	1.89 48.0	2	24	2.0 0.9
1-1/2 40	65SF3014	66SF3014	1.900 48.3	1/8 3.2	2.93 74.5	4.69 119.0	1.89 48.0	2	24	2.1 1.0
2 50	65SF3020	66SF3020	2.375 60.3	1/8 3.2	3.48 88.5	5.20 132.0	1.61 41.0	2	20	2.6 1.2
2-1/2 65	65SF3024	66SF3024	2.875 73.0	1/8 3.2	4.04 102.5	5.71 145.0	1.89 48.0	2	16	3.1 1.4
3 80	65SF3030	66SF3030	3.500 88.9	1/8 3.2	4.63 117.5	6.50 165.0	1.89 48.0	2	16	3.7 1.7
4 100	65SF3040	66SF3040	4.500 114.3	1/4 6.4	6.00 152.4	8.35 212.0	2.13 54.0	2	8	6.7 3.0
5 125	65SF3050	66SF3050	5.563 141.3	1/4 6.4	7.07 179.5	10.04 255.0	2.13 54.0	2	6	10.6 4.8
6 150	65SF3060	66SF3060	6.625 168.3	1/4 6.4	8.31 211.0	11.42 290.0	2.15 54.5	2	4	12.0 5.4
8 200	65SF3080	66SF3080	8.625 219.1	1/4 6.4	10.35 263.0	13.62 346.0	2.48 63.0	2	-	20.8 9.4
10 254	65SF3100	66SF3100	10.750 273.0	1/4 6.4	12.87 327.0	16.61 422.0	2.64 67.0	2	-	26.3 11.9
12 305	65SF3120	66SF3120	12.750 323.9	1/4 6.4	14.88 378.0	18.66 474.0	2.64 67.0	2	-	34.2 15.5
14 350	65SF3140	66SF3140	14.000 355.6	1/4 6.4	15.94 405.0	19.96 507.0	2.91 74.0	4	-	37.0 16.8
16 400	65SF3160	66SF3160	16.000 406.4	1/4 6.4	17.72 450.0	22.01 559.0	2.91 74.0	4	-	49.0 22.2
18 450	65SF3180	66SF3180	18.000 457.6	1/4 6.4	20.08 510.0	24.53 623.0	3.15 80.0	4	-	64.0 29.5
20 200	65SF3200	66SF3200	20.000 508.0	1/4 6.4	22.09 561.0	26.57 675.0	3.15 80.0	4	-	86.0 39.0
24 600	65SF3240	66SF3240	24.000 609.6	1/4 6.4	26.10 663.0	30.59 777.0	3.15 80.0	6	-	93.0 42.2

Standard Weight Flexible Couplings with Triple Seal Gasket

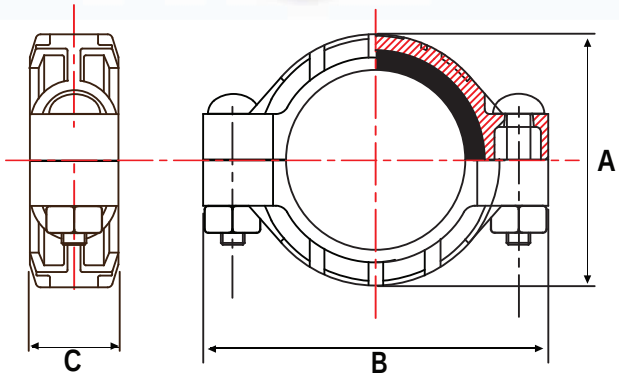


Fig. 65SFTRI & 66SFTRI

Standard Weight Flexible Coupling with Triple Seal Gasket

- Maximum working pressure depending on the size and schedule of the pipe being used:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
- All bolts, gaskets and housings identified by SCI logo
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

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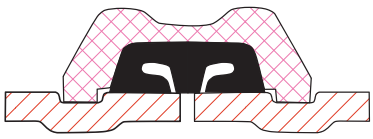

Triple Seal Gasket

Pipe Size IN / *mm*	Part Number		Pipe OD IN / *mm*	Max Pipe End Gap IN / *mm*	Dimensions			Number of Sections	Case Qty	Weight LB / *kg*
	Painted	Galvanized			A IN / *mm*	B IN / *mm*	C IN / *mm*			
1 *25*	65SFTRI3010	66SFTRI3010	1.315 *33.7*	1/8 *3.2*	2.34 *59.5*	3.94 *100.0*	1.73 *44.0*	2	40	1.2 *0.5*
1-1/4 *32*	65SFTRI3012	66SFTRI3012	1.660 *42.2*	1/8 *3.2*	2.70 *68.5*	4.41 *112.0*	1.89 *48.0*	2	24	2.0 *0.9*
1-1/2 *40*	65SFTRI3014	66SFTRI3014	1.900 *48.3*	1/8 *3.2*	2.93 *74.5*	4.69 *119.0*	1.89 *48.0*	2	24	2.1 *1.0*
2 *50*	65SFTRI3020	66SFTRI3020	2.375 *60.3*	1/8 *3.2*	3.48 *88.5*	5.20 *132.0*	1.61 *41.0*	2	20	2.6 *1.2*
2-1/2 *65*	65SFTRI3024	66SFTRI3024	2.875 *73.0*	1/8 *3.2*	4.04 *102.5*	5.71 *145.0*	1.89 *48.0*	2	16	3.1 *1.4*
3 *80*	65SFTRI3030	66SFTRI3030	3.500 *88.9*	1/8 *3.2*	4.63 *117.5*	6.50 *165.0*	1.89 *48.0*	2	16	3.7 *1.7*
4 *100*	65SFTRI3040	66SFTRI3040	4.500 *114.3*	1/4 *6.4*	6.00 *152.4*	8.35 *212.0*	2.13 *54.0*	2	8	6.7 *3.0*
5 *125*	65SFTRI3050	66SFTRI3050	5.563 *141.3*	1/4 *6.4*	7.07 *179.5*	10.04 *255.0*	2.13 *54.0*	2	6	10.6 *4.8*
6 *150*	65SFTRI3060	66SFTRI3060	6.625 *168.3*	1/4 *6.4*	8.31 *211.0*	11.42 *290.0*	2.15 *54.5*	2	4	12.0 *5.4*
8 *200*	65SFTRI3080	66SFTRI3080	8.625 *219.1*	1/4 *6.4*	10.35 *263.0*	13.62 *346.0*	2.48 *63.0*	2	-	20.8 *9.4*

Standard Weight Rigid Couplings

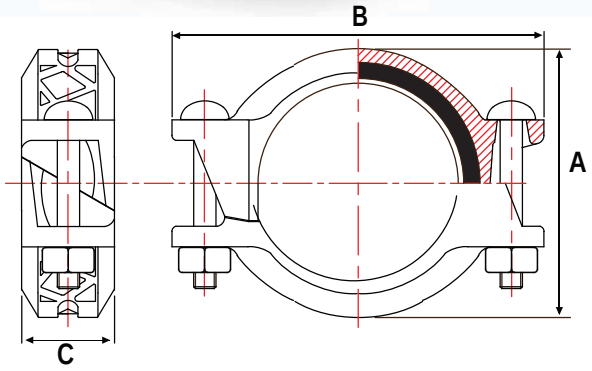

Fig. 65SR & 66SR

Standard Weight Rigid Coupling with "C" Gasket

- Maximum working pressure depending on the size and schedule of the pipe being used:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
  10" & 12" - 600 psi (41.3 bar)
  14" to 20" - 300 psi (20.6 bar)
  24" - 250 psi (17.2 bar)
- 14" and larger are not UL Listed or FM Approved
- All bolts, gaskets and housings identified by SCI logo
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Gasket Grade T Nitrile (orange stripe) -20°F (-29°C) to +180°F (+82°C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

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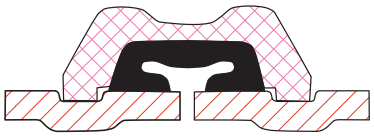


"C" Style Gasket

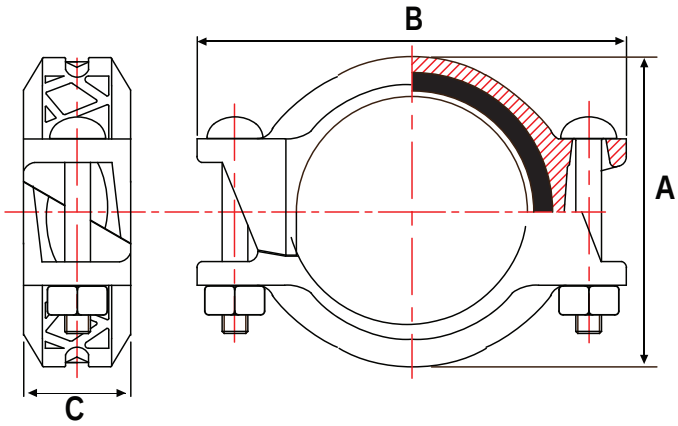
Pipe Size IN / mm	Part Number		Pipe OD IN / mm	Max Pipe End Gap IN / mm	Dimensions			Number of Sections	Case Qty	Weight LB / kg
	Painted	Galvanized			A IN / mm	B IN / mm	C IN / mm			
1 25	65SR3010	66SR3010	1.315 33.7	1/16 1.6	2.34 59.5	3.94 100.0	1.73 44.0	2	40	1.6 0.7
1-1/4 32	65SR3012	66SR3012	1.660 42.2	1/16 1.6	2.74 69.5	4.25 108.0	1.85 47.0	2	32	1.6 0.7
1-1/2 40	65SR3014	66SR3014	1.900 48.3	1/16 1.6	2.97 75.5	4.49 114.0	1.85 47.0	2	32	1.6 0.7
2 50	65SR3020	66SR3020	2.375 60.3	1/16 1.6	3.48 88.5	4.88 124.0	1.89 48.0	2	24	2.3 1.0
2-1/2 65	65SR3024	66SR3024	2.875 73.0	1/16 1.6	4.00 101.5	4.79 147.0	1.89 48.0	2	16	2.6 1.2
3 80	65SR3030	66SR3030	3.500 88.9	1/16 1.6	4.59 116.5	6.38 162.0	1.85 47.0	2	16	3.0 1.4
4 100	65SR3040	66SR3040	4.500 114.3	1/8 3.2	5.87 149.0	7.72 196.0	2.09 53.0	2	10	5.3 2.4
5 125	65SR3050	66SR3050	5.563 141.3	1/8 3.2	6.95 176.5	9.29 236.0	2.09 53.0	2	6	7.4 3.4
6 150	65SR3060	66SR3060	6.625 168.3	1/8 3.2	8.15 207.0	10.55 268.0	2.09 53.0	2	5	8.3 3.8
8 200	65SR3080	66SR3080	8.625 219.1	1/8 3.2	10.24 260.0	13.23 336.0	2.56 65.0	2	-	15.1 6.8
10 254	65SR3100	66SR3100	10.750 273.0	1/8 3.2	12.71 323.0	15.82 402.0	2.56 65.0	2	-	24.8 11.3
12 305	65SR3120	66SR3120	12.750 323.9	1/8 3.2	14.92 379.0	18.03 458.0	2.56 65.0	2	-	29.9 13.5
14 350	65SR3140	66SR3140	14.000 355.6	1/8 3.2	16.02 407.0	19.45 494.0	2.87 73.0	4	-	32.8 14.9
16 400	65SR3160	66SR3160	16.000 406.4	1/8 3.2	18.03 458.0	21.50 546.0	2.87 73.0	4	-	42.0 19.0
18 450	65SR3180	66SR3180	18.000 457.6	1/8 3.2	20.16 512.0	23.46 596.0	2.99 76.0	4	-	52.0 23.6
20 200	65SR3200	66SR3200	20.000 508.0	1/8 3.2	22.13 562.0	26.06 662.0	3.07 78.0	4	-	69.0 31.3
24 600	65SR3240	66SR3240	24.000 609.6	1/8 3.2	26.14 664.0	30.08 764.0	3.07 78.0	6	-	90.0 40.8

Standard Weight Rigid Couplings with Triple Seal Gasket

Fig. 65SRTRI & 66SRTRI

Standard Weight Rigid Coupling with Triple Seal Gasket

- Maximum working pressure depending on the size and schedule of the pipe being used:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
- All bolts, gaskets and housings identified by SCI logo
- gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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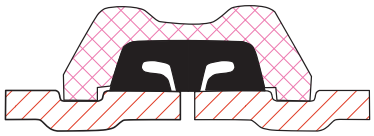

Triple Seal Gasket

Pipe Size IN / *mm*	Part Number		Pipe OD IN / *mm*	Max Pipe End Gap IN / *mm*	Dimensions			Number of Sections	Case Qty	Weight LB / *kg*
	Painted	Galvanized			A IN / *mm*	B IN / *mm*	C IN / *mm*			
1 *25*	65SR3010	66SR3010	1.315 *33.7*	1/16 *1.6*	2.34 *59.5*	3.94 *100.0*	1.73 *44.0*	2	40	1.6 *0.7*
1-1/4 *32*	65SR3012	66SR3012	1.660 *42.2*	1/16 *1.6*	2.74 *69.5*	4.25 *108.0*	1.85 *47.0*	2	32	1.6 *0.7*
1-1/2 *40*	65SR3014	66SR3014	1.900 *48.3*	1/16 *1.6*	2.97 *75.5*	4.49 *114.0*	1.85 *47.0*	2	32	1.6 *0.7*
2 *50*	65SR3020	66SR3020	2.375 *60.3*	1/16 *1.6*	3.48 *88.5*	4.88 *124.0*	1.89 *48.0*	2	24	2.3 *1.0*
2-1/2 *65*	65SR3024	66SR3024	2.875 *73.0*	1/16 *1.6*	4.00 *101.5*	4.79 *147.0*	1.89 *48.0*	2	16	2.6 *1.2*
3 *80*	65SR3030	66SR3030	3.500 *88.9*	1/16 *1.6*	4.59 *116.5*	6.38 *162.0*	1.85 *47.0*	2	16	3.0 *1.4*
4 *100*	65SR3040	66SR3040	4.500 *114.3*	1/8 *3.2*	5.87 *149.0*	7.72 *196.0*	2.09 *53.0*	2	10	5.3 *2.4*
5 *125*	65SR3050	66SR3050	5.563 *141.3*	1/8 *3.2*	6.95 *176.5*	9.29 *236.0*	2.09 *53.0*	2	6	7.4 *3.4*
6 *150*	65SR3060	66SR3060	6.625 *168.3*	1/8 *3.2*	8.15 *207.0*	10.55 *268.0*	2.09 *53.0*	2	5	8.3 *3.8*
8 *200*	65SR3080	66SR3080	8.625 *219.1*	1/8 *3.2*	10.24 *260.0*	13.23 *336.0*	2.56 *65.0*	2	-	15.1 *6.8*

Reducing Couplings

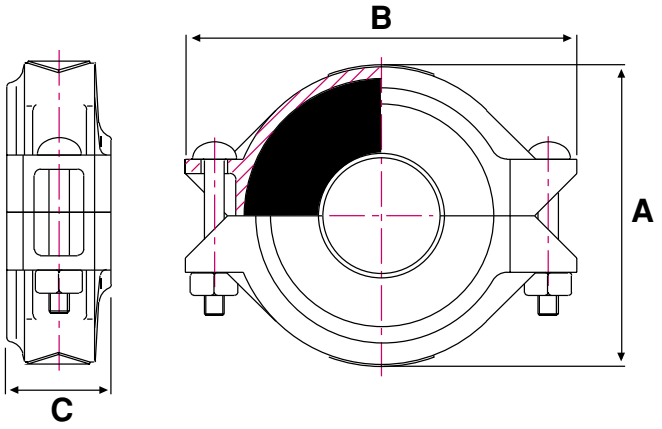

Fig. 65RC & 66RC

Reducing Coupling

- Maximum working pressure 300 psi (20.7 bar) depending on the size and schedule of the pipe being used
- All bolts, gaskets and housings identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

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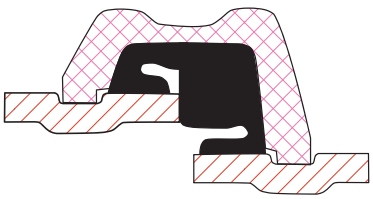
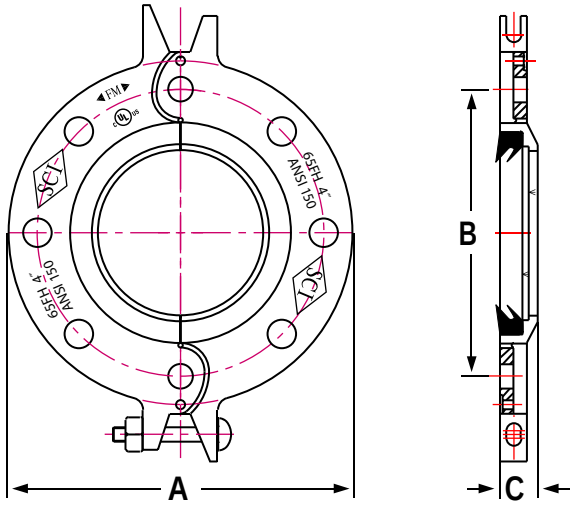


Reducing Gasket

Pipe Size IN / *mm*	Part Number		Max Pipe End Gap IN / *mm*	Dimensions			Deflection Degrees	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
2 x 1-1/2 *50 x 40*	65RC3020014	66RC3020014	1/8 *3.2*	3.43 *87.1*	4.88 *124.0*	1.85 *47.0*	2.0°	26	1.9 *0.9*
2-1/2 x 2 *65 x 50*	65RC3024020	66RC3024020	1/8 *3.2*	3.98 *101.1*	5.35 *135.9*	1.85 *47.0*	1.5°	22	2.3 *1.0*
3 x 2 *80 x 50*	65RC3030020	66RC3030020	1/8 *3.2*	4.59 *116.6*	6.34 *161.0*	1.85 *47.0*	1.8°	20	3.1 *1.4*
3 x 2-1/2 *80 x 65*	65RC3030024	66RC3030024	1/8 *3.2*	4.51 *114.6*	6.34 *161.0*	1.85 *47.0*	1.8°	20	2.9 *1.3*
4 x 2 *100 x 50*	65RC3040020	66RC3040020	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.8 *2.2*
4 x 2-1/2 *100 x 65*	65RC3040024	66RC3040024	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.8 *2.2*
4 x 3 *100 x 80*	65RC3040030	66RC3040030	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.4 *2.0*
6 x 4 *150 x 100*	65RC3060040	66RC3060040	1/4 *6.4*	7.99 *202.9*	10.35 *262.9*	2.01 *51.1*	0.9°	-	9.0 *4.1*
8 x 6 *200 x 100*	65RC3080060	66RC3080060	1/4 *6.4*	10.12 *257.0*	13.15 *334.0*	2.48 *63.0*	0.8°	-	14.6 *6.6*

Fig. 65FH & 66FH
Hinged Flange Adapter

- Maximum working pressure 300 psi (20.7 bar) depending on the size and schedule of the pipe being used
- 3/8" x 2-3/4" latch bolt included
- SCI does not provide flange bolts
- All bolts and gaskets identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Orange paint or hot dipped galvanized conforming to ASTM A153
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo



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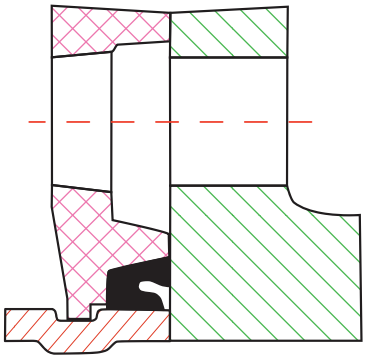


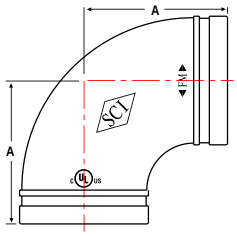
Hinged Flange Adapter Gasket

Pipe Size IN / *mm*	Part Number		Pipe OD IN / *mm*	Dimensions			Number of Flange Bolts	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
2 *50*	65FH3020	66FH3020	2.375 *60.3*	6.00 *152.4*	4.75 *120.7*	0.75 *19.1*	4	10	3.6 *1.6*
2-1/2 *65*	65FH3024	66FH3024	2.875 *73.0*	7.00 *177.8*	5.50 *139.7*	0.88 *22.4*	4	10	3.6 *1.6*
3 *80*	65FH3030	66FH3030	3.500 *88.9*	7.50 *190.5*	6.00 *152.4*	0.94 *23.9*	4	10	4.8 *2.2*
4 *100*	65FH3040	66FH3040	4.500 *114.3*	9.00 *228.6*	7.50 *190.5*	0.94 *23.9*	8	10	6.6 *3.0*
6 *150*	65FH3060	66FH3060	6.625 *168.3*	11.00 *279.4*	9.50 *241.3*	1.00 *25.4*	8	-	8.4 *3.8*
8 *200*	65FH3080	66FH3080	8.625 *219.1*	13.50 *342.9*	11.75 *298.5*	1.12 *28.4*	8	-	14.3 *6.5*
10 *254*	65FH3100	66FH3100	10.750 *273.0*	19.00 *482.6*	16.00 *406.4*	1.00 *25.4*	12	-	18.2 *8.3*
12 *305*	65FH3120	66FH3120	12.750 *323.9*	21.75 *552.4*	19.00 *482.6*	1.25 *31.7*	12	-	29.9 *13.6*

Fig. 65E & 66E

90° Elbow, Standard Radius

- Ductile iron - full flow (1-1/4" to 12")
- Fabricated Steel; not UL/FM (14" and larger) (F)
- 16" through 24" fabricated; available upon request

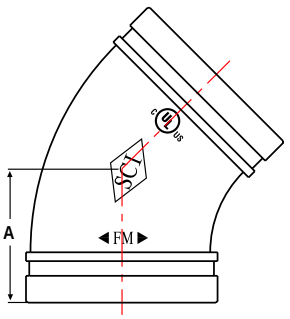


Pipe Size IN / mm	Part Number Painted	Part Number Galvanized	A IN / mm	Case Qty	Weight LB / kg
1-1/4 32	65E 3012	66E 3012	2.75 69.9	50	1.0 0.5
1-1/2 40	65E 3014	66E 3014	2.75 69.9	36	1.1 0.5
2 50	65E 3020	66E 3020	3.25 82.6	20	2.0 0.9
2-1/2 65	65E 3024	66E 3024	3.75 95.3	12	2.7 1.2
3 80	65E 3030	66E 3030	4.25 108.0	15	3.8 1.7
4 100	65E 3040	66E 3040	5.00 127.0	8	7.5 3.4
5 125	65E 3050	66E 3050	5.50 139.7	-	10.5 4.7
6 150	65E 3060	66E 3060	6.50 165.1	-	15.6 7.0
8 200	65E 3080	66E 3080	7.75 196.9	-	28.6 12.9
10 254	65E 3100	66E 3100	9.00 229.0	-	51.8 23.5
12 305	65E 3120	66E 3120	10.00 254.0	-	79.4 36.0
14 350	65E 3140F	66E 3140F	14.01 356.0	-	83.0 37.7

Fig. 65F & 66F

45° Elbow, Standard Radius

- Ductile iron - full flow (1-1/4" to 12")
- Fabricated Steel; not UL/FM (14" and larger) (F)
- 16" through 24" fabricated; available upon request



Pipe Size IN / mm	Part Number Painted	Part Number Galvanized	A IN / mm	Case Qty	Weight LB / kg
1-1/4 32	65F 3012	66F 3012	1.75 44.5	65	0.7 0.3
1-1/2 40	65F 3014	66F 3014	1.75 44.5	55	0.8 0.4
2 50	65F 3020	66F 3020	2.00 50.8	30	1.5 0.7
2-1/2 65	65F 3024	66F 3024	2.25 57.2	20	2.0 0.9
3 80	65F 3030	66F 3030	2.50 63.5	10	2.7 1.2
4 100	65F 3040	66F 3040	3.00 76.2	12	4.7 2.1
5 125	65F 3050	66F 3050	3.25 82.6	-	7.4 3.3
6 150	65F 3060	66F 3060	3.50 88.9	-	9.8 4.4
8 200	65F 3080	66F 3080	4.25 108.0	-	19.5 8.8
10 254	65F 3100	66F 3100	4.75 121.0	-	32.3 14.6
12 305	65F 3120	66F 3120	5.25 133.0	-	49.6 22.5
14 350	65F 3140F	66F 3140F	5.79 147.0	-	52.0 23.6

Fig. 65TT & 66TT

22-1/2° Elbow, Standard Radius

- Ductile iron - full flow (1-1/4" to 12")
- 14" through 24" fabricated; available upon request

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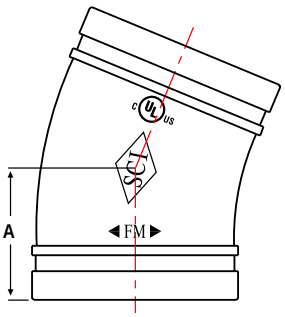

Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
1-1/4 *32*	65TT3012	66TT3012	1.75 *44.5*	85	0.7 *0.3*
1-1/2 *40*	65TT3014	66TT3014	1.75 *44.5*	75	0.8 *0.4*
2 *50*	65TT3020	66TT3020	1.88 *47.8*	30	1.5 *0.7*
2-1/2 *65*	65TT3024	66TT3024	2.00 *50.8*	24	1.9 *0.9*
3 *80*	65TT3030	66TT3030	2.25 *57.2*	14	3.2 *1.4*
4 *100*	65TT3040	66TT3040	2.62 *66.5*	16	5.3 *2.4*
5 *125*	65TT3050	66TT3050	2.88 *73.2*	-	7.2 *3.2*
6 *150*	65TT3060	66TT3060	3.12 *79.2*	-	8.2 *3.7*
8 *200*	65TT3080	66TT3080	3.88 *98.6*	-	17.8 *8.1*
10 *254*	65TT3100	66TT3100	4.38 *111.2*	-	30.0 *13.6*
12 *305*	65TT3120	66TT3120	4.88 *123.9*	-	40.0 *18.1*

Fig. 65EL & 66EL

11-1/4° Elbow, Standard Radius

- Ductile iron - full flow (1-1/4" to 12")
- 14" through 24" fabricated; available upon request

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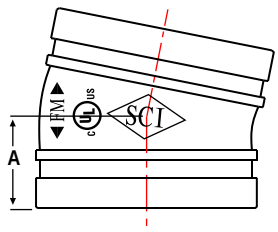

Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
1-1/4 *32*	65EL3012	66EL3012	1.37 *34.8*	115	0.5 *0.2*
1-1/2 *40*	65EL3014	66EL3014	1.37 *34.8*	90	0.7 *0.3*
2 *50*	65EL3020	66EL3020	1.37 *34.8*	60	0.9 *0.4*
2-1/2 *65*	65EL3024	66EL3024	1.50 *38.1*	36	1.5 *0.7*
3 *80*	65EL3030	66EL3030	1.50 *38.1*	18	2.0 *0.9*
4 *100*	65EL3040	66EL3040	1.75 *44.5*	24	3.3 *1.5*
5 *125*	65EL3050	66EL3050	2.00 *50.8*	-	5.0 *2.3*
6 *150*	65EL3060	66EL3060	2.00 *50.8*	-	6.5 *2.9*
8 *200*	65EL3080	66EL3080	2.00 *50.8*	-	10.0 *4.5*
10 *254*	65EL3100	66EL3100	2.13 *54.1*	-	20.0 *9.1*
12 *305*	65EL3120	66EL3120	2.25 *57.1*	-	30.0 *13.6*

Standard Radius Grooved Fittings

Fig. 65T & 66T

Tee, Standard Radius

- Ductile iron - full flow (1-1/4" to 12")
- Fabricated Steel; not UL/FM (14" and larger) (F)
- 16" through 24" fabricated; available upon request

c UL us LISTED

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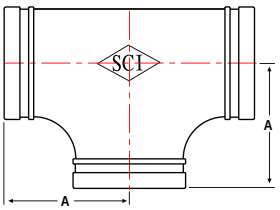

Pipe Size IN / *mm*	Part Number Painted	Part Number Galvanized	A IN / *mm*	Case Qty	Weight LB / *kg*
1-1/4 *32*	65T 3012	66T 3012	2.75 *69.9*	35	1.4 *0.6*
1-1/2 *40*	65T 3014	66T 3014	2.75 *69.9*	24	1.7 *0.8*
2 *50*	65T 3020	66T 3020	3.25 *82.6*	15	3.1 *1.4*
2-1/2 *65*	65T 3024	66T 3024	3.75 *95.3*	7	4.1 *1.8*
3 *80*	65T 3030	66T 3030	4.25 *108.0*	10	5.8 *2.6*
4 *100*	65T 3040	66T 3040	5.00 *127.0*	5	10.0 *4.5*
6 *150*	65T 3060	66T 3060	6.50 *165.1*	-	22.3 *10.0*
8 *200*	65T 3080	66T 3080	7.75 *196.9*	-	41.0 *18.5*
10 *254*	65T 3100	66T 3100	9.00 *229.0*	-	73.8 *33.5*
12 *305*	65T 3120	66T 3120	10.00 *254.0*	-	93.2 *42.3*
14 *350*	65T 3140F	66T 3140F	12.0 *305.0*	-	104.0 *47.2*

Fig. 65X & 66X

Cross, Standard Radius

- Ductile iron - full flow (1-1/4" to 8")
- Fabricated Steel; not UL/FM (10" and larger) (F)
- 14" through 24" fabricated; available upon request

c UL us LISTED

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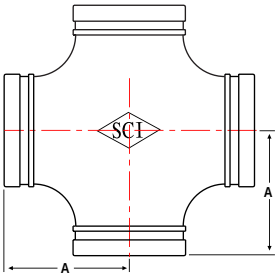


Pipe Size IN / *mm*	Part Number Painted	Part Number Galvanized	A IN / *mm*	Case Qty	Weight LB / *kg*
1-1/4 *32*	65X 3012	66X 3012	2.75 *69.9*	20	2.1 *0.9*
1-1/2 *40*	65X 3014	66X 3014	2.75 *69.9*	16	2.5 *1.1*
2 *50*	65X 3020	66X 3020	3.25 *82.6*	20	2.9 *1.3*
2-1/2 *65*	65X 3024	66X 3024	3.75 *95.3*	10	5.2 *2.3*
3 *80*	65X 3030	66X 3030	4.25 *108.0*	7	7.5 *3.4*
4 *100*	65X 3040	66X 3040	5.00 *127.0*	4	12.2 *5.5*
6 *150*	65X 3060	66X 3060	6.50 *165.1*	-	28.3 *12.7*
8 *200*	65X 3080	66X 3080	7.75 *196.9*	-	48.0 *21.8*
10 *254*	65X 3100	66X 3100	9.00 *229.0*	-	122.0 *55.3*
12 *305*	65X 3120	66X 3120	10.00 *254.0*	-	188 *85.3*

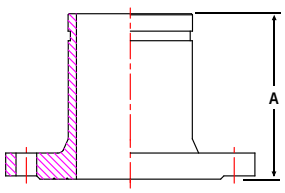
Fig. 65FA & 66FA

Grooved x Flange Adapter

- Ductile iron - full flow (2" to 8")
- Fabricated Steel; not UL/FM (10" and larger) (F)
- 14" through 24" fabricated; available upon request
- Matches class 125/150 flange dimensions

c UL us LISTED

FM APPROVED

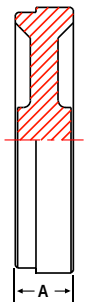


Pipe Size IN / *mm*	Part Number Painted	Part Number Galvanized	A IN / *mm*	Case Qty	Weight LB / kg
2 *50*	65FA 3020	66FA 3020	4.00 *101.6*	8	3.9 *1.8*
2-1/2 *65*	65FA 3024	66FA 3024	4.00 *101.6*	5	5.4 *2.4*
3 *80*	65FA 3030	66FA 3030	4.00 *101.6*	4	6.1 *2.7*
4 *100*	65FA 3040	66FA 3040	6.00 *152.4*	-	13.1 *5.9*
6 *150*	65FA 3060	66FA 3060	6.00 *152.4*	-	20.0 *9.0*
8 *200*	65FA 3080	66FA 3080	6.00 *152.4*	-	29.5 *13.4*
10 *254*	65FA 3100	66FA 3100	8.00 *200.0*	-	29.8 *27.1*
12 *305*	65FA 3120	66FA 3120	10.00 *254.0*	-	81.2 *36.8*

Fig. 65C & 66C

Cap

- Ductile iron - full flow (1-1/4" to 12")
- Fabricated Steel; not UL/FM (14" and larger) (F)
- 16" through 24" fabricated; available upon request

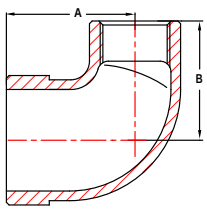


Pipe Size IN / mm	Part Number Painted	Part Number Galvanized	A IN / mm	Case Qty	Weight LB / kg
1-1/4 *32*	65C 3012	66C 3012	0.88 *22.4*	200	0.3 *0.1*
1-1/2 *40*	65C 3014	66C 3014	0.88 *22.4*	140	0.5 *0.2*
2 *50*	65C 3020	66C 3020	0.88 *22.4*	80	0.6 *0.3*
2-1/2 *65*	65C 3024	66C 3024	0.88 *22.4*	60	1.0 *0.5*
3 *80*	65C 3030	66C 3030	0.88 *22.4*	40	1.2 *0.5*
4 *100*	65C 3040	66C 3040	1.00 *25.4*	24	2.5 *1.1*
6 *150*	65C 3060	66C 3060	1.00 *25.4*	10	6.1 *2.7*
8 *200*	65C 3080	66C 3080	1.19 *30.2*	5	13.1 *5.9*
10 *254*	65C 3100	66C 3100	1.26 *32.0*	-	21.5 *9.7*
12 *305*	65C 3120	66C 3120	1.26 *32.0*	-	33.2 *15.0*
14 *350*	65C 3140F	66C 3140F	1.57 *40.0*	-	47.0 *21.3*

Fig. 65AE & 66AE

Adapter Elbow, Grooved x Threaded

- Ductile iron
- Threads meet ASME B1.20.1

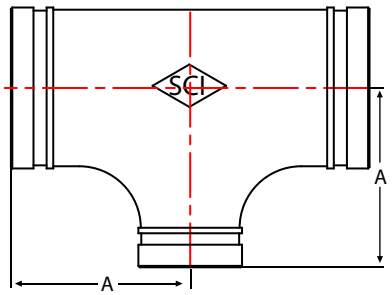


Pipe Size IN / mm	Part Number Painted	Part Number Galvanized	A IN / mm	B IN / mm	Case Qty	Weight LB / kg
1-1/4 x 1/2 *32 x 15*	65AE3012004	66AE3012004	1.88 *48.0*	1.75 *44.4*	90	0.6 *0.3*
1-1/4 x 3/4 *32 x 20*	65AE3012006	66AE3012006	1.88 *48.0*	1.75 *44.4*	90	0.6 *0.3*
1-1/4 x 1 *32 x 25*	65AE3012010	66AE3012010	2.02 *51.3*	2.00 *50.8*	75	0.8 *0.4*
1-1/2 x 1/2 *40 x 15*	65AE3014004	66AE3014004	1.88 *48.0*	1.75 *44.4*	69	0.6 *0.3*
1-1/2 x 3/4 *40 x 20*	65AE3014006	66AE3014006	1.88 *48.0*	1.75 *44.4*	69	0.6 *0.3*
1-1/2 x 1 *40 x 25*	65AE3014010	66AE3014010	2.02 *51.3*	2.00 *50.8*	60	0.8 *0.4*
2 x 1/2 *50 x 15*	65AE3020004	66AE3020004	1.88 *48.0*	1.75 *44.4*	45	0.8 *0.4*
2 x 3/4 *50 x 20*	65AE3020006	66AE3020006	1.88 *48.0*	1.75 *44.4*	45	0.8 *0.4*
2 x 1 *50 x 25*	65AE3020010	66AE3020010	2.02 *51.3*	2.00 *50.8*	45	1.0 *0.5*
2-1/2 x 1/2 *65 x 15*	65AE3024004	66AE3024004	1.88 *48.0*	1.97 *50.0*	36	1.0 *0.5*
2-1/2 x 3/4 *65 x 20*	65AE3024006	66AE3024006	1.88 *48.0*	1.97 *50.0*	36	1.0 *0.5*
2-1/2 x 1 *65 x 25*	65AE3024010	66AE3024010	2.02 *51.3*	2.00 *50.8*	36	1.2 *0.5*

Standard Radius Grooved Fittings

Fig. 65RT & 66RT
Reducing Tee

- Ductile iron - full flow
- Fabricated steel; not UL/FM 10" and larger (F)
- 16" through 24" fabricated; available upon request
- Other sizes and configurations available by special order



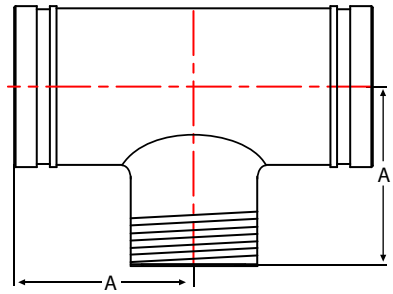
Nominal Pipe Size IN / *mm*	Part Number Painted	Part Number Galvanized	A IN / *mm*	Case Qty	Weight LB / *kg*
1-1/2 x 1-1/4 40 x 32	65RT3014012F	66RT3014012F	2.80 *71.1*	-	1.7 *0.8*
2 x 1-1/4 50 x 32	65RT3020012F	66RT3020012F	3.30 *83.8*	-	2.5 *1.2*
2 x 1-1/2 *50 x 40*	65RT3020014	66RT3020014	3.25 *82.6*	15	2.4 *1.1*
2-1/2 x 1-1/4 50 x 32	65RT3024012F	66RT3024012F	3.80 *96.5*	-	4.1 *1.9*
2-1/2 x 1-1/2 65 x 40	65RT3024014F	66RT3024014F	3.75 *95.3*	-	4.5 *2.0*
2-1/2 x 2 *65 x 50*	65RT3024020	66RT3024020	3.75 *95.3*	7	4.0 *1.8*
3 x 1-1/4 80 x 32	65RT3030012F	66RT3030012F	4.30 *109.2*	-	6.2 *2.8*
3 x 1-1/2 80 x 40	65RT3030014F	66RT3030014F	4.30 *109.2*	-	6.1 *2.8*
3 x 2 80 x 50	65RT3030020F	66RT3030020F	4.30 *109.2*	-	6.4 *2.9*
3 x 2-1/2 *80 x 65*	65RT3030024	66RT3030024	4.25 *108.0*	10	5.9 *2.7*
4 x 1-1/4 100 x 32	65RT3040012F	66RT3040012F	5.00 *127.0*	-	9.7 *4.4*
4 x 1-1/2 100 x 40	65RT3040014F	66RT3040014F	5.00 *127.0*	-	10.4 *4.7*
4 x 2 *100 x 50*	65RT3040020	66RT3040020	5.00 *127.0*	6	11.4 *5.1*
4 x 2-1/2 *100 x 65*	65RT3040024	66RT3040024	5.00 *127.0*	5	8.9 *4.0*
4 x 3 *100 x 80*	65RT3040030	66RT3040030	5.00 *127.0*	5	10 *4.5*
5 x 1 125 x 25	65RT3050010F	66RT3050010F	5.50 *139.7*	-	14.2 *6.5*
5 x 1-1/4 125 x 32	65RT3050012F	66RT3050012F	5.50 *139.7*	-	14.5 *6.6*
5 x 1-1/2 125 x 40	65RT3050014F	66RT3050014F	5.50 *139.7*	-	14.7 *6.7*
5 x 2 125 x 50	65RT3050020F	66RT3050020F	5.50 *139.7*	-	14.6 *6.6*
5 x 2-1/2 125 x 65	65RT3050024F	66RT3050024F	5.50 *139.7*	-	13.1 *5.9*
5 x 3 125 x 80	65RT3050030F	66RT3050030F	5.50 *139.7*	-	13.7 *6.2*
5 x 4 125 x 100	65RT3050040F	66RT3050040F	5.50 *139.7*	-	14.7 *6.7*
6 x 1 150 x 25	65RT3060010F	66RT3060010F	6.50 *165.1*	-	21.0 *9.5*
6 x 1-1/4 150 x 32	65RT3060012F	66RT3060012F	6.50 *165.1*	-	21.1 *9.6*
6 x 1-1/2 150 x 40	65RT3060014F	66RT3060014F	6.50 *165.1*	-	21.2 *9.6*
6 x 2 150 x 50	65RT3060020F	66RT3060020F	6.50 *165.1*	-	21.5 *9.8*
6 x 2-1/2 *150 x 65*	65RT3060024	66RT3060024	6.50 *165.1*	-	26.5 *11.9*
6 x 3 *150 x 80*	65RT3060030	66RT3060030	6.50 *165.1*	-	21.9 *9.9*
6 x 4 *150 x 100*	65RT3060040	66RT3060040	6.50 *165.1*	-	23.7 *10.7*

Nominal Pipe Size IN / *mm*	Part Number Painted	Part Number Galvanized	A IN / *mm*	Case Qty	Weight LB / *kg*
6 x 5 150 x 125	65RT3060050	66RT3060050	6.50 *165.1*	-	26.4 *12.0*
8 x 2 200 x 50	65RT3080020F	66RT3080020F	7.80 *198.1*	-	38.1 *17.3*
8 x 2-1/2 *200 x 65*	65RT3080024F	66RT3080024F	7.80 *198.1*	-	38.8 *17.6*
8 x 3 200 x 80	65RT3080030F	66RT3080030F	7.80 *198.1*	-	39.4 *17.9*
8 x 4 200 x 100	65RT3080040	66RT3080040	7.75 *196.9*	-	32.9 *14.8*
8 x 5 *200 x 125*	65RT3080050F	66RT3080050F	7.80 *198.1*	-	40.5 *18.3*
8 x 6 200 x 150	65RT3080060	66RT3080060	7.75 *196.9*	-	43.8 *19.7*
10 x 1-1/2 254 x 40	65RT3100014F	66RT3100014F	9.00 *228.6*	-	62.8 *28.5*
10 x 2 254 x 50	65RT3100020F	66RT3100020F	9.00 *228.6*	-	63.5 *28.8*
10 x 2-1/2 *254 x 65*	65RT3100024F	66RT3100024F	9.00 *228.6*	-	65.1 *29.5*
10 x 3 254 x 80	65RT3100030F	66RT3100030F	9.00 *228.6*	-	66.4 *30.1*
10 x 4 254 x 100	65RT3100040F	66RT3100040F	9.00 *228.6*	-	53.6 *24.3*
10 x 5 *254 x 125*	65RT3100050F	66RT3100050F	9.00 *228.6*	-	71.7 *32.5*
10 x 6 *254 x 100*	65RT3100060F	66RT3100060F	9.00 *228.6*	-	69.5 *31.5*
10 x 8 *254 x 200*	65RT3100080F	66RT3100080F	9.00 *228.6*	-	78.2 *35.4*
12 x 1 305 x 25	65RT3120010F	66RT3120010F	10.00 *254.0*	-	83.2 *37.7*
12 x 2 305 x 50	65RT3120020F	66RT3120020F	10.00 *254.0*	-	84.2 *38.2*
12 x 2-1/2 305 x 65	65RT3120024F	66RT3120024F	10.00 *254.0*	-	85.2 *38.7*
12 x 3 305 x 80	65RT3120030F	66RT3120030F	10.00 *254.0*	-	86.1 *39.1*
12 x 4 305 x 100	65RT3120040F	66RT3120040F	10.00 *254.0*	-	87.7 *39.8*
12 x 5 305 x 125	65RT3120050F	66RT3120050F	10.00 *254.0*	-	89.6 *40.7*
12 x 6 305 x 150	65RT3120060F	66RT3120060F	10.00 *254.0*	-	98.1 *44.5*
12 x 8 305 x 150	65RT3120080F	66RT3120080F	10.00 *254.0*	-	106.1 *48.1*
12 x 10 305 x 250	65RT3120100F	66RT3120100F	10.00 *254.0*	-	116.0 *52.6*
14 x 4 350 x 100	65RT3140040F	66RT3140040F	11.00 *279.4*	-	109.8 *49.8*
14 x 6 350 x 150	65RT3140060F	66RT3140060F	11.00 *279.4*	-	117.4 *53.2*
14 x 8 *350 x 200*	65RT3140080F	66RT3140080F	11.00 *279.4*	-	126.2 *57.3*
14 x 10 *350 x 250*	65RT3140100F	66RT3140100F	11.00 *279.4*	-	137.2 *62.2*
14 x 12 *350 x 305*	65RT3140120F	66RT3140120F	11.00 *279.4*	-	145.6 *66.0*

Fig. 65RTT & 66RTT

Reducing Tee - Grooved x Male NPT

- Fabricated steel; not UL/FM 10" and larger (F)
- 16" through 24" fabricated; available upon request
- Other sizes and configurations available by special order



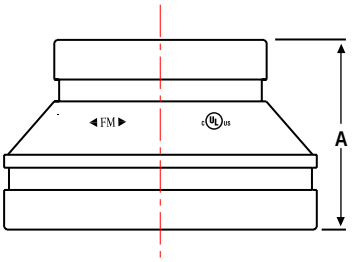
Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
2 x 1 50 x 25	65RTT3020010F	66RTT3020010F	3.25 *82.6*	-	2.7 *1.2*
2 x 1-1/4 50 x 32	65RTT3020012F	66RTT3020012F	3.30 *83.8*	-	1.8 *0.8*
2 x 1-1/2 *50 x 40*	65RTT3020014	66RTT3020014	3.25 *82.6*	15	3.0 *1.4*
2-1/2 x 1 50 x 25	65RTT3024010F	66RTT3024010F	3.75 *95.3*	-	3.8 *1.7*
2-1/2 x 1-1/4 50 x 32	65RTT3024012F	66RTT3024012F	3.80 *96.5*	-	4.5 *2.0*
2-1/2 x 1-1/2 *65 x 40*	65RTT3024014F	66RTT3024014F	3.75 *95.3*	-	3.9 *1.8*
2-1/2 x 2 65 x 50	65RTT3024020	66RTT3024020	3.75 *95.3*	7	4.5 *2.0*
3 x 1 80 x 25	65RTT3030010F	66RTT3030010F	4.25 *108.0*	-	6.1 *2.8*
3 x 1-1/4 80 x 32	65RTT3030012F	66RTT3030012F	4.30 *109.2*	-	6.2 *2.8*
3 x 1-1/2 *80 x 40*	65RTT3030014F	66RTT3030014F	4.30 *109.2*	-	6.5 *2.9*
3 x 2 *80 x 50*	65RTT3030020F	66RTT3030020F	4.30 *109.2*	-	6.2 *2.8*
3 x 2-1/2 *80 x 65*	65RTT3030024	66RTT3030024	4.25 *108.0*	10	6.4 *2.9*
4 x 1 *100 x 25*	65RTT3040010F	66RTT3040010F	5.00 *127.0*	-	7.8 *3.5*
4 x 1-1/4 100 x 32	65RTT3040012F	66RTT3040012F	5.00 *127.0*	-	6.4 *2.9*
4 x 1-1/2 100 x 40	65RTT3040014F	66RTT3040014F	5.00 *127.0*	-	10.2 *4.6*
4 x 2 100 x 50	65RTT3040020	66RTT3040020	5.00 *127.0*	6	11.2 *5.1*
4 x 2-1/2 100 x 65	65RTT3040024	66RTT3040024	5.00 *127.0*	5	11.4 *5.2*
4 x 3 100 x 80	65RTT3040030	66RTT3040030	5.00 *127.0*	5	11.6 *5.3*
5 x 2 125 x 50	65RTT3050020F	66RTT3050020F	5.50 *139.7*	-	14.5 *6.6*
5 x 2-1/2 125 x 65	65RTT3050024F	66RTT3050024F	5.50 *139.7*	-	15.2 *6.9*
5 x 3 125 x 80	65RTT3050030F	66RTT3050030F	5.50 *139.7*	-	16.6 *7.5*
5 x 4 125 x 100	65RTT3050040F	66RTT3050040F	5.50 *139.7*	-	16.7 *7.6*
6 x 2 150 x 50	65RTT3060020F	66RTT3060020F	6.50 *165.1*	-	21.6 *9.8*
6 x 2-1/2 150 x 65	65RTT3060024	66RTT3060024	6.50 *165.1*	-	21.4 *9.7*
6 x 3 *150 x 80*	65RTT3060030	66RTT3060030	6.50 *165.1*	-	26.5 *12.0*
6 x 4 *150 x 100*	65RTT3060040	66RTT3060040	6.50 *165.1*	-	25.0 *11.3*
6 x 5 *150 x 125*	65RTT3060050	66RTT3060050	6.50 *165.1*	-	23.2 *10.5*

Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
8 x 2 200 x 50	65RTT3080020F	66RTT3080020F	7.80 *198.1*	-	33.5 *15.2*
8 x 2-1/2 200 x 65	65RTT3080024F	66RTT3080024F	7.80 *198.1*	-	39.0 *17.7*
8 x 3 *200 x 80*	65RTT3080030F	66RTT3080030F	7.80 *198.1*	-	33.6 *15.2*
8 x 4 200 x 100	65RTT3080040	66RTT3080040	7.75 *196.9*	-	32.9 *14.8*
8 x 5 *200 x 125*	65RTT3080050F	66RTT3080050F	7.80 *198.1*	-	34.0 *15.4*
8 x 6 *200 x 150*	65RTT3080060	66RTT3080060	7.75 *196.9*	-	42.3 *19.2*
10 x 2 *254 x 50*	65RTT3100020F	66RTT3100020F	9.00 *228.6*	-	62.0 *28.1*
10 x 3 254 x 80	65RTT3100030F	66RTT3100030F	9.00 *228.6*	-	60.0 *27.7*
10 x 4 254 x 100	65RTT3100040F	66RTT3100040F	9.00 *228.6*	-	61.0 *27.7*
10 x 5 254 x 125	65RTT3100050F	66RTT3100050F	9.00 *228.6*	-	52.0 *23.6*
10 x 6 254 x 100	65RTT3100060F	66RTT3100060F	9.00 *228.6*	-	59.0 *26.8*
10 x 8 254 x 200	65RTT3100080F	66RTT3100080F	9.00 *228.6*	-	64.7 *29.3*
12 x 3 305 x 80	65RTT3120030F	66RTT3120030F	10.00 *254.0*	-	86.1 *39.1*
12 x 4 305 x 100	65RTT3120040F	66RTT3120040F	10.00 *254.0*	-	87.7 *39.8*
12 x 5 305 x 125	65RTT3120050F	66RTT3120050F	10.00 *254.0*	-	75.0 *34.0*
12 x 6 305 x 150	65RTT3120060F	66RTT3120060F	10.00 *254.0*	-	75.0 *34.0*
12 x 8 305 x 150	65RTT3120080F	66RTT3120080F	10.00 *254.0*	-	80.0 *36.3*
12 x 10 305 x 250	65RTT3120100F	66RTT3120100F	10.00 *254.0*	-	84.0 *38.1*
14 x 8 *350 x 200*	65RTT3140080F	66RTT3140080F	11.00 *279.4*	-	126.2 *57.3*
14 x 10 *350 x 250*	65RTT3140100F	66RTT3140100F	11.00 *279.4*	-	137.2 *62.2*
14 x 12 *350 x 305*	65RTT3140120F	66RTT3140120F	11.00 *279.4*	-	145.6 *66.0*

Standard Radius Grooved Fittings

Fig. 65CR & 66CR
Concentric Reducer

- Ductile iron - full flow
- Fabricated steel; not UL/FM 10" and larger (F)
- 16" through 24" fabricated; available upon request
- Other sizes available by special order



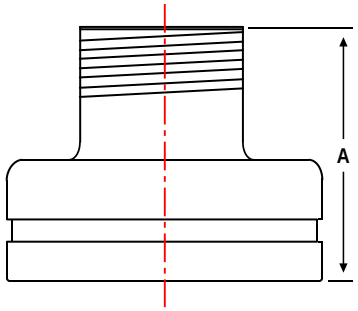
Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
2 x 1 50 x 25	65CR3020010F	66CR3020010F	2.50 *64.0*	-	0.8 *0.4*
2 x 1-1/4 50 x 32	65CR3020012F	66CR3020012F	2.50 *64.0*	-	0.9 *0.4*
2 x 1-1/2 *50 x 40*	65CR3020014	66CR3020014	2.50 *64.0*	60	3.3 *1.5*
2-1/2 x 1 65 x 25	65CR3024010F	66CR3024010F	2.50 *64.0*	-	1.0 *0.4*
2-1/2 x 1-1/4 65 x 32	65CR3024012F	66CR3024012F	2.50 *64.0*	-	1.3 *0.6*
2-1/2 x 1-1/2 *65 x 40*	65CR3024014F	66CR3024014F	2.50 *64.0*	-	0.9 *0.4*
2-1/2 x 2 65 x 50	65CR3024020	66CR3024020	2.50 *64.0*	42	3.8 *1.7*
3 x 1 *80 x 25*	65CR3030010F	66CR3030010F	2.50 *64.0*	-	1.6 *0.7*
3 x 1-1/4 *80 x 32*	65CR3030012F	66CR3030012F	2.50 *64.0*	-	1.7 *0.7*
3 x 1-1/2 *80 x 40*	65CR3030014F	66CR3030014F	2.50 *64.0*	-	1.8 *0.8*
3 x 2 80 x 50	65CR3030020	66CR3030020	2.50 *64.0*	40	4.3 *1.9*
3 x 2-1/2 80 x 65	65CR3030024	66CR3030024	2.50 *64.0*	40	5.0 *2.3*
3-1/2 x 3 90 x 80	65CR3034030F	66CR3034030F	2.50 *64.0*	-	2.8 *1.3*
4 x 1 100 x 25	65CR3040010F	66CR3040010F	3.00 *76.2*	-	2.1 *0.9*
4 x 1-1/4 100 x 32	65CR3040012F	66CR3040012F	3.00 *76.2*	-	1.7 *0.7*
4 x 1-1/2 100 x40	65CR3040014F	66CR3040014F	3.00 *76.2*	-	1.8 *0.8*
4 x 2 100 x 50	65CR3040020	66CR3040020	4.00 *102.1*	25	5.0 *2.3*
4 x 2-1/2 100 x 65	65CR3040024	66CR3040024	4.00 *102.1*	25	5.0 *2.3*
4 x 3 100 x 80	65CR3040030	66CR3040030	4.00 *102.1*	20	6.5 *2.9*
4 x 3-1/2 100 x 90	65CR3040034F	66CR3040034F	4.00 *102.1*	-	2.8 *1.3*
5 x 2 125 x 50	65CR3050020F	66CR3050020F	4.00 *102.1*	-	2.7 *1.2*
5 x 2-1/2 *125 x 65*	65CR3050024F	66CR3050024F	4.00 *102.1*	-	3.1 *1.4*
5 x 3 *125 x 80*	65CR3050030F	66CR3050030F	4.00 *102.1*	-	3.3 *1.5*
5 x 4 *125 x 100*	65CR3050040F	66CR3050040F	4.00 *102.1*	-	6.5 *2.9*

Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
6 x 1 150 x 25	65CR3060010F	66CR3060010F	4.00 *102.1*	-	4.1 *1.9*
6 x 1-1/2 150 x 40	65CR3060014F	66CR3060014F	4.00 *102.1*	-	4.3 *1.9*
6 x 2 *150 x 50*	65CR3060020F	66CR3060020F	4.00 *102.1*	-	3.8 *1.7*
6 x 2-1/2 150 x 65	65CR3060024F	66CR3060024F	4.00 *102.1*	-	6.0 *2.7*
6 x 3 150 x 80	65CR3060030	66CR3060030	4.00 *102.1*	-	6.0 *2.7*
6 x 4 *150 x 100*	65CR3060040	66CR3060040	4.00 *102.1*	-	6.5 *2.9*
6 x 5 *150 x 125*	65CR3060050	66CR3060050	4.00 *102.1*	-	7.8 *3.5*
8 x 3 *200 x 80*	65CR3080030F	66CR3080030F	5.00 *127.0*	-	8.4 *3.8*
8 x 4 200 x 100	65CR3080040F	66CR3080040F	5.00 *127.0*	-	9.0 *4.1*
8 x 5 200 x 125	65CR3080050F	66CR3080050F	5.00 *127.0*	-	9.1 *4.1*
8 x 6 200 x 150	65CR3080060F	66CR3080060F	5.00 *127.0*	-	7.8 *3.5*
10 x 4 254 x 100	65CR3100040F	66CR3100040F	6.00 *152.0*	-	20 *9.1*
10 x 5 254 x 125	65CR3100050F	66CR3100050F	6.00 *152.0*	-	11.0 *5.0*
10 x 6 254 x 100	65CR3100060F	66CR3100060F	6.00 *152.0*	-	20.0 *9.1*
10 x 8 254 x 200	65CR3100080F	66CR3100080F	6.00 *152.0*	-	17.3 *7.8*
12 x 6 305 x 150	65CR3120060F	66CR3120060F	7.00 *178.0*	-	29.0 *13.2*
12 x 8 305 x 150	65CR3120080F	66CR3120080F	7.00 *178.0*	-	29.0 *13.2*
12 x 10 305 x 254	65CR3120100F	66CR3120100F	7.00 *178.0*	-	23.0 *10.4*
14 x 6 350 x 150	65CR3140060F	66CR3140060F	13.00 *330.2*	-	94.5 *42.8*
14 x 8 *350 x 200*	65CR3140080F	66CR3140080F	13.00 *330.2*	-	99.9 *45.3*
14 x 10 *350 x 250*	65CR3140100F	66CR3140100F	13.00 *330.2*	-	107.0 *48.5*
14 x 12 *350 x 305*	65CR3140120F	66CR3140120F	13.00 *330.2*	-	113.1 *51.3*

Fig. 65CR & 66CR

Concentric Reducer Male NPT

- Fabricated steel; not UL/FM 10" and larger (F)
- 14" through 24" fabricated; available upon request
- Other sizes available by special order



Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
2 x 1 50 x 25	65CRT3020010F	66CRT3020010F	2.50 *64.0*	-	0.8 *0.4*
2 x 1-1/4 50 x 32	65CRT3020012F	66CRT3020012F	2.50 *64.0*	-	0.9 *0.4*
2 x 1-1/2 *50 x 40*	65CRT3020014	66CRT3020014	2.50 *64.0*	60	3.3 *1.5*
2-1/2 x 1 65 x 25	65CRT3024010F	66CRT3024010F	2.50 *64.0*	-	1.0 *0.4*
2-1/2 x 1-1/4 65 x 32	65CRT3024012F	66CRT3024012F	2.50 *64.0*	-	1.3 *0.6*
2-1/2 x 1-1/2 *65 x 40*	65CRT3024014F	66CRT3024014F	2.50 *64.0*	-	0.9 *0.4*
2-1/2 x 2 65 x 50	65CRT3024020	66CRT3024020	2.50 *64.0*	42	3.8 *1.7*
3 x 1 *80 x 25*	65CRT3030010F	66CRT3030010F	2.50 *64.0*	-	1.6 *0.7*
3 x 1-1/4 *80 x 32*	65CRT3030012F	66CRT3030012F	2.50 *64.0*	-	1.7 *0.7*
3 x 1-1/2 *80 x 40*	65CRT3030014F	66CRT3030014F	2.50 *64.0*	-	1.8 *0.8*
3 x 2 80 x 50	65CRT3030020	66CRT3030020	2.50 *64.0*	40	4.3 *1.9*
3 x 2-1/2 80 x 65	65CRT3030024	66CRT3030024	2.50 *64.0*	40	5.0 *2.3*
3-1/2 x 3 90 x 80	65CRT3034030F	66CRT3034030F	2.50 *64.0*	-	2.8 *1.3*
4 x 1 100 x 25	65CRT3040010F	66CRT3040010F	3.00 *76.2*	-	2.1 *0.9*
4 x 1-1/4 100 x 32	65CRT3040012F	66CRT3040012F	3.00 *76.2*	-	1.7 *0.7*
4 x 1-1/2 100 x40	65CRT3040014F	66CRT3040014F	3.00 *76.2*	-	1.8 *0.8*
4 x 2 100 x 50	65CRT3040020	66CRT3040020	4.00 *102.1*	25	5.0 *2.3*
4 x 2-1/2 100 x 65	65CRT3040024	66CRT3040024	4.00 *102.1*	25	5.0 *2.3*
4 x 3 100 x 80	65CRT3040030	66CRT3040030	4.00 *102.1*	20	6.5 *2.9*
4 x 3-1/2 100 x 90	65CRT3040034F	66CRT3040034F	4.00 *102.1*	-	2.8 *1.3*
5 x 2 125 x 50	65CRT3050020F	66CRT3050020F	4.00 *102.1*	-	2.7 *1.2*
5 x 2-1/2 *125 x 65*	65CRT3050024F	66CRT3050024F	4.00 *102.1*	-	3.1 *1.4*
5 x 3 *125 x 80*	65CRT3050030F	66CRT3050030F	4.00 *102.1*	-	3.3 *1.5*
5 x 4 *125 x 100*	65CRT3050040F	66CRT3050040F	4.00 *102.1*	-	6.5 *2.9*

Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
6 x 1 150 x 25	65CRT3060010F	66CRT3060010F	4.00 *102.1*	-	4.1 *1.9*
6 x 1-1/2 150 x 40	65CRT3060014F	66CRT3060014F	4.00 *102.1*	-	4.3 *1.9*
6 x 2 *150 x 50*	65CRT3060020F	66CRT3060020F	4.00 *102.1*	-	3.8 *1.7*
6 x 2-1/2 150 x 65	65CRT3060024F	66CRT3060024F	4.00 *102.1*	-	6.0 *2.7*
6 x 3 150 x 80	65CRT3060030	66CRT3060030	4.00 *102.1*	-	6.0 *2.7*
6 x 4 *150 x 100*	65CRT3060040	66CRT3060040	4.00 *102.1*	-	6.5 *2.9*
6 x 5 *150 x 125*	65CRT3060050	66CRT3060050	4.00 *102.1*	-	7.8 *3.5*
8 x 3 *200 x 80*	65CRT3080030F	66CRT3080030F	5.00 *127.0*	-	8.4 *3.8*
8 x 4 200 x 100	65CRT3080040F	66CRT3080040F	5.00 *127.0*	-	9.0 *4.1*
8 x 5 200 x 125	65CRT3080050F	66CRT3080050F	5.00 *127.0*	-	9.1 *4.1*
8 x 6 200 x 150	65CRT3080060F	66CRT3080060F	5.00 *127.0*	-	7.8 *3.5*
10 x 4 254 x 100	65CRT3100040F	66CRT3100040F	6.00 *152.0*	-	20 *9.1*
10 x 5 254 x 125	65CRT3100050F	66CRT3100050F	6.00 *152.0*	-	11.0 *5.0*
10 x 6 254 x 100	65CRT3100060F	66CRT3100060F	6.00 *152.0*	-	20.0 *9.1*
10 x 8 254 x 200	65CRT3100080F	66CRT3100080F	6.00 *152.0*	-	17.3 *7.8*
12 x 6 305 x 150	65CRT3120060F	66CRT3120060F	7.00 *178.0*	-	29.0 *13.2*
12 x 8 305 x 150	65CRT3120080F	66CRT3120080F	7.00 *178.0*	-	29.0 *13.2*
12 x 10 305 x 254	65CRT3120100F	66CRT3120100F	7.00 *178.0*	-	23.0 *10.4*
14 x 6 350 x 150	65CRT3140060F	66CRT3140060F	13.00 *330.2*	-	94.5 *42.8*
14 x 8 *350 x 200*	65CRT3140080F	66CRT3140080F	13.00 *330.2*	-	99.9 *45.3*
14 x 10 *350 x 250*	65CRT3140100F	66CRT3140100F	13.00 *330.2*	-	107.0 *48.5*
14 x 12 *350 x 305*	65CRT3140120F	66CRT3140120F	13.00 *330.2*	-	113.1 *51.3*

Fig. 65ER & 66ER

Eccentric Reducer

- Fabricated steel; not UL/FM 10" and larger (F)
- 16" through 24" fabricated; available upon request

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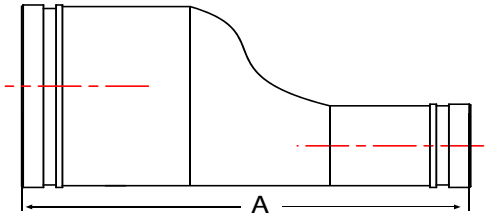
FM APPROVED



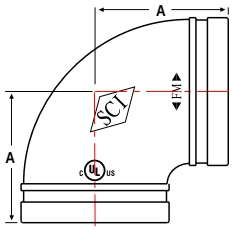
Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
2 x 1 50 x 25	65ER3020010F	66ER3020010F	9.00 *228.6*	-	0.8 *0.4*
2 x 1-1/4 50 x 32	65ER3020012F	66ER3020012F	9.00 *228.6*	-	0.9 *0.4*
2 x 1-1/2 *50 x 40*	65ER3020014F	66ER3020014F	9.00 *228.6*	-	1.0 *0.5*
2-1/2 x 1 65 x 25	65ER3024010F	66ER3024010F	9.50 *241.3*	-	1.0 *0.5*
2-1/2 x 1-1/4 65 x 32	65ER3024012F	66ER3024012F	9.50 *241.3*	-	1.3 *0.6*
2-1/2 x 1-1/2 *65 x 40*	65ER3024014F	66ER3024014F	9.50 *241.3*	-	0.9 *0.4*
2-1/2 x 2 65 x 50	65ER3024020F	66ER3024020F	9.50 *241.3*	-	1.1 *0.5*
3 x 1 *80 x 25*	65ER3030010F	66ER3030010F	9.50 *241.3*	-	1.6 *0.7*
3 x 1-1/4 *80 x 32*	65ER3030012F	66ER3030012F	9.50 *241.3*	-	1.7 *0.8*
3 x 1-1/2 *80 x 40*	65ER3030014F	66ER3030014F	9.50 *241.3*	-	1.2 *0.5*
3 x 2 80 x 50	65ER3030020F	66ER3030020F	9.50 *241.3*	-	1.5 *0.7*
3 x 2-1/2 80 x 65	65ER3030024F	66ER3030024F	9.50 *241.3*	-	1.5 *0.7*
3-1/2 x 3 90 x 80	65ER3034030F	66ER3034030F	9.50 *241.3*	-	2.8 *1.3*
4 x 1 100 x 25	65ER3040010F	66ER3040010F	10.00 *254.0*	-	2.1 *1.0*
4 x 1-1/4 100 x 32	65ER3040012F	66ER3040012F	10.00 *254.0*	-	1.7 *0.8*
4 x 1-1/2 100 x40	65ER3040014F	66ER3040014F	10.00 *254.0*	-	1.8 *0.8*
4 x 2 100 x 50	65ER3040020F	66ER3040020F	10.00 *254.0*	-	2.0 *0.9*
4 x 2-1/2 100 x 65	65ER3040024F	66ER3040024F	10.00 *254.0*	-	2.3 *1.0*
4 x 3 100 x 80	65ER3040030F	66ER3040030F	10.00 *254.0*	-	2.5 *1.1*
4 x 3-1/2 100 x 90	65ER3040034F	66ER3040034F	10.00 *254.0*	-	2.8 *1.3*
5 x 2 125 x 50	65ER3050020F	66ER3050020F	11.00 *279.4*	-	2.7 *1.2*
5 x 2-1/2 *125 x 65*	65ER3050024F	66ER3050024F	11.00 *279.4*	-	3.1 *1.4*
5 x 3 *125 x 80*	65ER3050030F	66ER3050030F	11.00 *279.4*	-	3.3 *1.5*
5 x 4 *125 x 100*	65ER3050040F	66ER3050040F	11.00 *279.4*	-	3.8 *1.7*

Nominal Pipe Size IN / *mm*	Part Number		A IN / *mm*	Case Qty	Weight LB / *kg*
	Painted	Galvanized			
6 x 1 150 x 25	65ER3060010F	66ER3060010F	11.50 *292.1*	-	4.1 *1.9*
6 x 1-1/2 150 x 40	65ER3060014F	66ER3060014F	11.50 *292.1*	-	4.3 *2.0*
6 x 2 *150 x 50*	65ER3060020F	66ER3060020F	11.50 *292.1*	-	3.8 *1.7*
6 x 2-1/2 150 x 65	65ER3060024F	66ER3060024F	11.50 *292.1*	-	5.7 *2.6*
6 x 3 150 x 80	65ER3060030F	66ER3060030F	11.50 *292.1*	-	4.0 *1.8*
6 x 4 *150 x 100*	65ER3060040F	66ER3060040F	11.50 *292.1*	-	7.1 *3.2*
6 x 5 *150 x 125*	65ER3060050F	66ER3060050F	11.50 *292.1*	-	8.2 *3.7*
8 x 3 *200 x 80*	65ER3080030F	66ER3080030F	12.00 *304.8*	-	8.4 *3.8*
8 x 4 200 x 100	65ER3080040F	66ER3080040F	12.00 *304.8*	-	8.3 *3.8*
8 x 5 200 x 125	65ER3080050F	66ER3080050F	12.00 *304.8*	-	9.1 *4.1*
8 x 6 200 x 150	65ER3080060F	66ER3080060F	12.00 *304.8*	-	10.0 *4.5*
10 x 4 254 x 100	65ER3100040F	66ER3100040F	13.00 *330.2*	-	14.9 *6.8*
10 x 5 254 x 125	65ER3100050F	66ER3100050F	13.00 *330.2*	-	11.0 *5.0*
10 x 6 254 x 100	65ER3100060F	66ER3100060F	13.00 *330.2*	-	14.9 *6.8*
10 x 8 254 x 200	65ER3100080F	66ER3100080F	13.00 *330.2*	-	17.3 *7.8*
12 x 6 305 x 150	65ER3120060F	66ER3120060F	14.00 *355.6*	-	16.3 *7.4*
12 x 8 305 x 150	65ER3120080F	66ER3120080F	14.00 *355.6*	-	19.3 *8.8*
12 x 10 305 x 254	65ER3120100F	66ER3120100F	14.00 *355.6*	-	23.0 *10.4*
14 x 6 350 x 150	65ER3140060F	66ER3140060F	13.00 *330.2*	-	96.0 *43.5*
14 x 8 *350 x 200*	65ER3140080F	66ER3140080F	13.00 *330.2*	-	76.6 *34.7*
14 x 10 *350 x 250*	65ER3140100F	66ER3140100F	13.00 *330.2*	-	77.6 *35.2*
14 x 12 *350 x 305*	65ER3140120F	66ER3140120F	13.00 *330.2*	-	89.2 *40.5*

Fig. 65ES & 66ES

90° Elbow, Short Radius

- Ductile iron - full flow

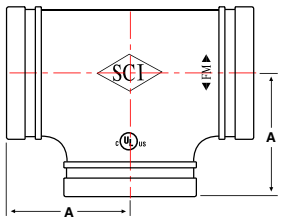


Nominal Pipe Size IN / mm	Part Number		A IN / mm	Case Qty	Weight LB / kg
	Painted	Galvanized			
2 / 50	65ES3020	66ES3020	2.75 / 69.9	26	1.7 / 0.8
2-1/2 / 65	65ES3024	66ES3024	3.00 / 76.2	16	3.1 / 1.4
3 / 80	65ES3030	66ES3030	3.38 / 85.9	20	4.0 / 1.8
4 / 100	65ES3040	66ES3040	4.00 / 101.6	12	6.5 / 2.9
6 / 150	65ES3060	66ES3060	5.50 / 139.7	-	18.3 / 8.2
8 / 200	65ES3080	66ES3080	6.81 / 173.0	-	25.5 / 11.5

Fig. 65TS & 66TS

Tee, Short Radius

- Ductile iron - full flow

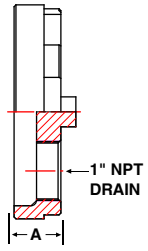


Nominal Pipe Size IN / mm	Part Number		A IN / mm	Case Qty	Weight LB / kg
	Painted	Galvanized			
2 / 50	65TS3020	66TS3020	2.75 / 69.9	16	2.4 / 1.1
2-1/2 / 65	65TS3024	66TS3024	3.00 / 76.2	12	3.6 / 1.6
3 / 80	65TS3030	66TS3030	3.38 / 85.9	12	5.3 / 2.4
4 / 100	65TS3040	66TS3040	4.00 / 101.6	8	8.7 / 3.9
6 / 150	65TS3060	66TS3060	5.50 / 139.7	-	22.7 / 10.2
8 / 200	65TS3080	66TS3080	6.94 / 176.3	-	38.7 / 17.4

Fig. 65DC & 66DC

Drain Cap

- Ductile iron
- 1"NPT drain

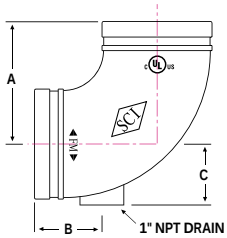


Nominal Pipe Size IN / mm	Part Number		A IN / mm	Case Qty	Weight LB / kg
	Painted	Galvanized			
2 / 50	65DC3020	66DC3020	0.88 / 22.4	80	0.6 / 0.3
2-1/2 / 65	65DC3024	66DC3024	0.88 / 22.4	60	1.0 / 0.5
3 / 88.9	65DC3030	66DC3030	0.88 / 22.4	40	1.2 / 0.5
4 / 100	65DC3040	66DC3040	1.00 / 25.4	24	2.5 / 1.1
5 / 125	65DC3050	66DC3050	1.00 / 25.4	12	4.6 / 2.1
6 / 150	65DC3060	66DC3060	1.00 / 25.4	10	6.1 / 2.7
8 / 200	65DC3080	66DC3080	1.20 / 30.5	5	13.1 / 5.9

Fig. 65DE & 66DE

Drain Elbow

- Ductile iron - full flow
- 1"NPT drain



Nominal Pipe Size IN / mm	Part Number		A IN / mm	B IN / mm	C IN / mm	Case Qty	Weight LB / kg
	Painted	Galvanized					
2 / 50	65DE3020	66DE3020	3.25 / 82.6	2.76 / 70.1	1.30 / 33.0	20	2.1 / 0.9
2-1/2 / 65	65DE3024	66DE3024	3.75 / 95.3	2.70 / 68.6	1.68 / 42.7	12	5.2 / 2.3
3 / 80	65DE3030	66DE3030	4.25 / 108.0	2.70 / 68.6	2.10 / 53.3	15	5.5 / 2.5
4 / 100	65DE3040	66DE3040	5.00 / 127.0	2.75 / 69.9	2.60 / 66.0	8	8.8 / 4.0
6 / 150	65DE3060	66DE3060	6.50 / 165.1	2.75 / 69.9	3.65 / 92.7	-	18.7 / 8.4
8 / 200	65DE3080	66DE3080	7.75 / 196.9	2.75 / 69.9	4.57 / 116.1	-	28.6 / 12.9

Mechanical Tee, Threaded

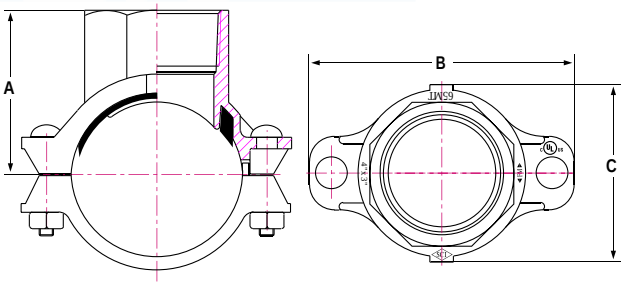


Fig. 65MT & 66MT

Mechanical Tee, Threaded

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All bolts and gaskets identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

Size Run x Branch IN / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 IN / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
2 x 1/2 *50 x 15*	65MT3020004	66MT3020004	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	-	21	3.1 *1.4*
2 x 3/4 *50 x 20*	65MT3020006	66MT3020006	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	-	21	3.1 *1.4*
2 x 1 *50 x 25*	65MT3020010	66MT3020010	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	2	21	3.0 *1.4*
2 x 1-1/4 *50 x 32*	65MT3020012	66MT3020012	1-3/4 *45*	2.80 *70.1*	4.96 *126.0*	2.80 *71.1*	4	18	3.5 *1.6*
2 x 1-1/2 *50 x 40*	65MT3020014	66MT3020014	1-3/4 *45*	2.80 *70.1*	4.96 *126.0*	2.87 *72.9*	9	18	3.6 *1.6*
2-1/2 x 1/2 *65 x 15*	65MT3024004	66MT3024004	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	-	18	3.0 *1.4*
2-1/2 x 3/4 *65 x 20*	65MT3024006	66MT3024006	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	-	18	3.0 *1.4*
2-1/2 x 1 *65 x 25*	65MT3024010	66MT3024010	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	2	18	3.0 *1.4*
2-1/2 x 1-1/4 *65 x 32*	65MT3024012	66MT3024012	1-3/4 *45*	3.00 *75.9*	5.20 *132.1*	3.03 *77.0*	4	16	3.5 *1.6*
2-1/2 x 1-1/2 *65 x 40*	65MT3024014	66MT3024014	2 *51*	3.00 *75.9*	5.20 *132.1*	3.27 *83.1*	9	16	3.6 *1.6*
3 x 1 *80 x 25*	65MT3030010	66MT3030010	1-1/2 *38*	3.10 *78.0*	5.91 *150.1*	2.80 *71.1*	2	14	3.3 *1.5*
3 x 1-1/4 *80 x 32*	65MT3030012	66MT3030012	1-3/4 *45*	3.27 *83.1*	5.91 *150.1*	3.03 *77.0*	4	14	3.8 *1.7*
3 x 1-1/2 *80 x 40*	65MT3030014	66MT3030014	2 *51*	3.50 *88.9*	5.91 *150.1*	3.27 *83.1*	3	14	4.1 *1.8*
3 x 2 *80 x 50*	65MT3030020	66MT3030020	2-1/2 *64*	3.50 *88.9*	5.91 *150.1*	3.78 *96.0*	5	10	4.9 *2.2*
4 x 1 *100 x 25*	65MT3040010	66MT3040010	1-1/2 *38*	3.54 *89.9*	7.09 *180.1*	2.80 *71.1*	2	22	3.6 *1.6*
4 x 1-1/4 *100 x 32*	65MT3040012	66MT3040012	1-3/4 *45*	3.78 *96.0*	7.09 *180.1*	3.03 *77.0*	4	22	4.0 *1.8*
4 x 1-1/2 *100 x 40*	65MT3040014	66MT3040014	2 *51*	4.02 *102.1*	7.09 *180.1*	3.27 *83.1*	3	22	4.2 *1.9*

Mechanical Tee, Threaded *(cont.)*

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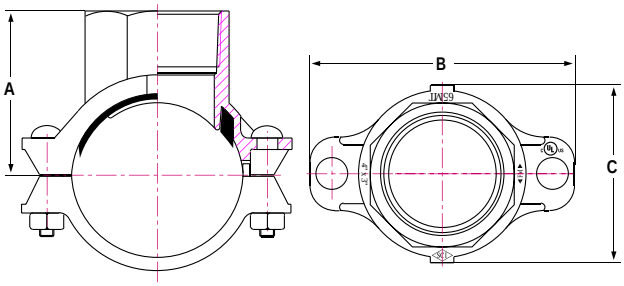

Fig. 65MT & 66MT

Mechanical Tee, Threaded

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All bolts and gaskets identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

Size Run x Branch IN / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 IN / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
4 x 2 *100 x 50*	65MT3040020	66MT3040020	2-1/2 *64*	4.02 *102.1*	7.24 *183.9*	3.94 *100.1*	5	14	5.0 *2.3*
4 x 2-1/2 *100 x 65*	65MT3040024	66MT3040024	2-3/4 *70*	4.02 *102.1*	7.24 *183.9*	4.21 *106.9*	11	14	5.8 *2.6*
4 x 3 *100 x 80*	65MT3040030	66MT3040030	3-1/2 *89*	4.53 *115.1*	7.24 *183.9*	4.76 *120.9*	13	12	8.4 *3.8*
5 x 1-1/4 *125 x 32*	65MT3050012	66MT3050012	1-3/4 *45*	4.76 *120.9*	7.99 *202.9*	3.03 *77.0*	4	12	7.4 *3.3*
5 x 1-1/2 *125 x 40*	65MT3050014	66MT3050014	2 *51*	4.76 *120.9*	7.99 *202.9*	3.27 *83.1*	3	12	7.4 *3.3*
5 x 2 *125 x 50*	65MT3050020	66MT3050020	2-1/2 *64*	4.76 *120.9*	8.66 *220.0*	3.94 *100.1*	5	8	8.2 *3.7*
5 x 2-1/2 *125 x 65*	65MT3050024	66MT3050024	2-3/4 *70*	4.76 *120.9*	8.66 *220.0*	4.21 *106.9*	11	8	8.3 *3.7*
5 x 3 *125 x 80*	65MT3050030	66MT3050030	3-1/2 *89*	5.00 *127.0*	8.66 *220.0*	4.92 *125.0*	13	8	8.4 *3.8*
6 x 1-1/4 *150 x 32*	65MT3060012	66MT3060012	1-3/4 *45*	5.12 *130.0*	9.13 *231.9*	3.03 *77.0*	4	12	4.8 *2.2*
6 x 1-1/2 *150 x 40*	65MT3060014	66MT3060014	2 *51*	5.12 *130.0*	9.13 *231.9*	3.27 *83.1*	3	12	5.4 *2.4*
6 x 2 *150 x 50*	65MT3060020	66MT3060020	2-1/2 *64*	5.12 *130.0*	9.76 *247.9*	3.94 *100.1*	5	8	6.0 *2.7*
6 x 2-1/2 *150 x 65*	65MT3060024	66MT3060024	2-3/4 *70*	5.12 *130.0*	9.76 *247.9*	4.21 *106.9*	11	8	8.3 *3.7*
6 x 3 *150 x 80*	65MT3060030	66MT3060030	3-1/2 *89*	5.51 *140.0*	9.76 *247.9*	4.92 *125.0*	13	8	9.9 *4.5*
6 x 4 *150 x 100*	65MT3060040	66MT3060040	4-1/2 *114*	5.75 *146.1*	9.76 *247.9*	5.91 *150.1*	15	6	10.1 *4.5*
8 x 2 *200 x 50*	65MT3080020	66MT3080020	2-1/2 *64*	6.26 *159.0*	11.81 *300.0*	3.94 *100.1*	5	6	11.6 *5.2*
8 x 2-1/2 *200 x 65*	65MT3080024	66MT3080024	2-3/4 *70*	6.26 *159.0*	11.81 *300.0*	4.21 *106.9*	11	6	11.6 *5.2*
8 x 3 *200 x 80*	65MT3080030	66MT3080030	3-1/2 *89*	6.50 *165.1*	11.81 *300.0*	4.92 *125.0*	13	6	12.6 *5.7*
8 x 4 *200 x 100*	65MT3080040	66MT3080040	4-1/2 *114*	6.73 *170.9*	11.81 *300.0*	5.91 *150.1*	15	4	15.3 *6.9*

Mechanical Tee, Grooved

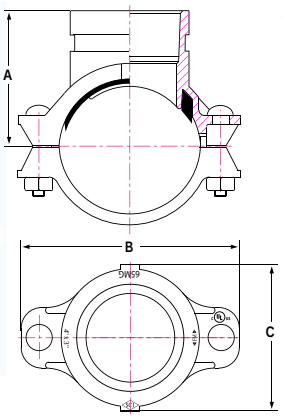

Fig. 65MG & 66MG

Mechanical Tee, Grooved

- Maximum working pressure 500 psi (34.5 bar) depending on the size and schedule of the pipe being used
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

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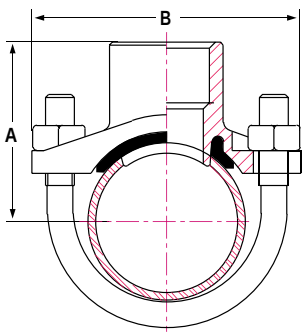
Size Run x Branch IN / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 IN / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
3 x 1-1/4 80 x 32	65MG3030012	66MG3030012	1-3/4 45	3.50 89.9	5.90 150.1	3.00 77.0	4	14	3.7 1.7
3 x 1-1/2 80 x 40	65MG3030014	66MG3030014	2 51	3.50 89.9	5.90 150.1	3.30 83.1	3	14	3.8 1.7
3 x 2 80 x 50	65MG3030020	66MG3030020	2-1/2 64	3.50 89.9	5.90 150.1	3.80 96.0	5	10	4.6 2.1
4 x 1-1/4 100 x 32	65MG3040012	66MG3040012	1-3/4 45	4.00 102.1	7.10 180.1	3.00 77.0	4	22	3.6 1.6
4 x 1-1/2 100 x 40	65MG3040014	66MG3040014	2 51	4.00 102.1	7.10 180.1	3.30 83.1	3	22	3.9 1.8
4 x 2 100 x 50	65MG3040020	66MG3040020	2-1/2 64	4.00 102.1	7.10 180.1	3.90 100.1	5	14	4.6 2.1
4 x 2-1/2 100 x 65	65MG3040024	66MG3040024	2-3/4 70	4.00 102.1	7.20 183.9	4.20 106.9	11	14	5.0 2.3
4 x 3 100 x 80	65MG3040030	66MG3040030	3-1/2 89	4.10 104.9	7.20 183.9	4.80 120.9	13	12	6.4 2.9
5 x 1-1/2 125 x 40	65MG3050014	66MG3050014	2 51	4.80 120.9	8.00 202.9	3.30 83.1	3	12	7.6 3.4
5 x 2 125 x 50	65MG3050020	66MG3050020	2-1/2 64	4.80 120.9	8.70 220.0	3.90 100.1	5	8	8.0 3.6
5 x 2-1/2 125 x 65	65MG3050024	66MG3050024	2-3/4 70	4.80 120.9	8.70 220.0	4.20 106.9	11	8	8.0 3.6
5 x 3 125 x 80	65MG3050030	66MG3050030	3-1/2 89	4.80 120.9	8.70 220.0	4.90 125.0	13	8	8.8 4.0
6 x 1-1/4 150 x 32	65MG3060012	66MG3060012	1-3/4 45	5.10 130.0	9.10 231.9	3.00 77.0	4	12	4.8 2.2
6 x 1-1/2 150 x 40	65MG3060014	66MG3060014	2 51	5.10 130.0	9.10 231.9	3.30 83.1	3	12	5.1 2.3
6 x 2 150 x 50	65MG3060020	66MG3060020	2-1/2 64	5.10 130.0	9.80 247.9	3.90 100.1	5	8	5.6 2.5
6 x 2-1/2 150 x 65	65MG3060024	66MG3060024	2-3/4 70	5.10 130.0	9.80 247.9	4.20 106.9	11	8	7.6 3.4
6 x 3 150 x 80	65MG3060030	66MG3060030	3-1/2 89	5.10 130.0	9.80 247.9	4.90 125.0	13	8	8.4 3.8
6 x 4 150 x 100	65MG3060040	66MG3060040	4-1/2 114	5.40 136.9	9.80 247.9	5.90 150.1	15	6	10.1 4.5
8 x 2 200 x 50	65MG3080020	66MG3080020	2-1/2 64	6.26 159.0	11.81 300.0	3.94 100.1	5	6	11.6 5.2
8 x 2-1/2 200 x 65	65MG3080024	66MG3080024	2-3/4 70	6.26 159.0	11.81 300.0	4.21 106.9	11	6	11.6 5.2
8 x 3 200 x 80	65MG3080030	66MG3080030	3-1/2 89	6.26 159.0	11.81 300.0	4.92 125.0	13	6	11.6 5.2
8 x 4 200 x 100	65MG3080040	66MG3080040	4-1/2 114	6.38 162.1	11.81 300.0	5.91 150.1	15	4	12.5 5.6

Strap Tee, Threaded



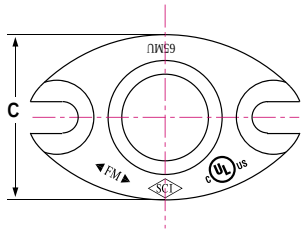


Fig. 65MU & 66MU

Strap Tee, Threaded

- Maximum working pressure 300 psi (20.7 bar) depending on the size and schedule of the pipe being used
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- 1" outlets not listed by UL for direct connection to 1" sprinkler heads
- Gaskets are pre-lubricated
- Gasket Grade E EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C606
- Smith-Cooper Warranty only applies to assemblies made with gaskets, housings and bolts carrying the SCI logo

GROOVED

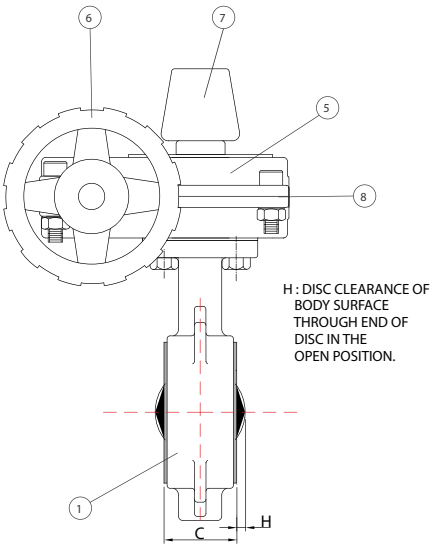
Size Run x Branch IN / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 IN / *mm*	Dimensions			Equivalent Length in Feet*	Case Qty	Weight LB / *kg*
	Painted	Galvanized		A IN / *mm*	B IN / *mm*	C IN / *mm*			
1-1/4 x 1/2 *32 x 15*	65MU3012004	66MU3012004	1-1/4 *32*	1.65 *41.9*	3.54 *89.9*	2.28 *57.9*	-	50	3.1 *1.4*
1-1/4 x 3/4 *32 x 20*	65MU3012006	66MU3012006	1-1/4 *32*	1.85 *47.0*	3.54 *89.9*	2.28 *57.9*	-	50	3.1 *1.4*
1-1/4 x 1 *32 x 25*	65MU3012010	66MU3012010	1-1/4 *32*	2.13 *54.1*	3.54 *89.9*	2.28 *57.9*	5	50	3.0 *1.4*
1-1/2 x 1/2 *40 x 15*	65MU3014004	66MU3014004	1-1/4 *32*	1.77 *45.0*	3.54 *89.9*	2.28 *57.9*	-	48	3.1 *1.4*
1-1/2 x 3/4 *40 x 20*	65MU3014006	66MU3014006	1-1/4 *32*	1.97 *50.0*	3.54 *89.9*	2.28 *57.9*	-	48	3.1 *1.4*
1-1/2 x 1 *40 x 25*	65MU3014010	66MU3014010	1-1/4 *32*	2.24 *56.9*	3.54 *89.9*	2.28 *57.9*	5	48	3.0 *1.4*
2 x 1/2 *50 x 15*	65MU3020004	66MU3020004	1-1/4 *32*	2.01 *51.1*	3.74 *95.0*	2.28 *57.9*	-	45	3.1 *1.4*
2 x 3/4 *50 x 20*	65MU3020006	66MU3020006	1-1/4 *32*	2.20 *55.9*	3.74 *95.0*	2.28 *57.9*	-	45	3.1 *1.4*
2 x 1 *50 x 25*	65MU3020010	66MU3020010	1-1/4 *32*	2.48 *63.0*	3.74 *95.0*	2.28 *57.9*	5	45	3.0 *1.4*
2-1/2 x 1/2 *65 x 15*	65MU3024004	66MU3024004	1-1/4 *32*	2.26 *57.4*	4.29 *109.0*	2.28 *57.9*	-	36	3.0 *1.4*
2-1/2 x 3/4 *65 x 20*	65MU3024006	66MU3024006	1-1/4 *32*	2.50 *62.5*	4.29 *109.0*	2.30 *57.9*	-	36	3.0 *1.4*
2-1/2 x 1 *65 x 25*	65MU3024010	66MU3024010	1-1/4 *32*	2.70 *69.6*	4.29 *109.0*	2.30 *57.9*	5	36	3.0 *1.4*

Fire Protection Wafer Butterfly Valve with Gear Operator

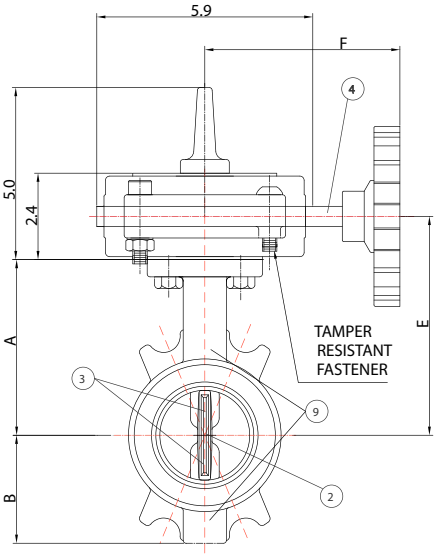
Fig. 67BFVWET

Wafer End Butterfly Valve with Indicator

- 300 psi
- UL/ULC Listed
- FM Approved
- California State Fire Marshall Approval No. 7770-1740:100
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use



No.	Part	Materials Specification
1	Body	ASTM A-536 DI, Nylon-11 Coated
2	Disc	ASTM A-536 DI, EPDM Encapsulated
3	Upper and Lower Stems	AISI Type 420 Stainless Steel
4	Input Shaft	AISI Type 410 Stainless Steel
5	Gear Housing	ASTM A-536 Ductile Iron
6	Hand Wheel	ASTM A-536 Ductile Iron
7	Flag Indicator	ASTM A-536 Ductile Iron
8	Gear Housing Gasket	EPDM
9	O-Rings (All)	EPDM



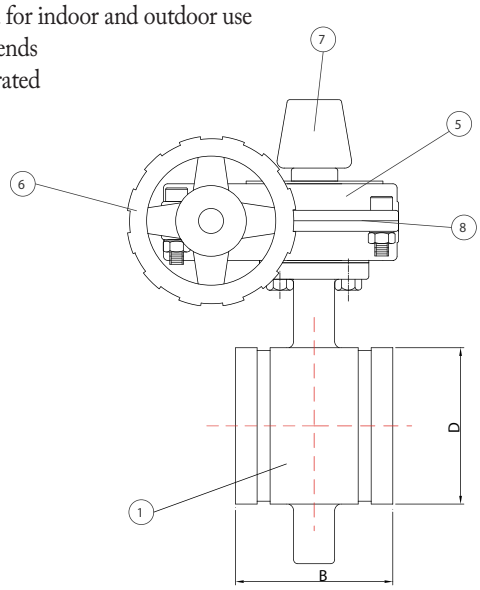
Size IN	Part Number	A IN / *mm*	B IN / *mm*	C IN / *mm*	E IN / *mm*	F IN / *mm*	H IN / *mm*	Weight LB / *kg*
2-1/2	67BFVWET024	5.35 *136*	3.43 *87*	1.81 *46*	6.54 *166*	5.31 *135*	0.32 *8.2*	22.0 *9.9*
3	67BFVWET030	5.63 *143*	3.66 *93*	1.81 *46*	6.81 *173*	5.31 *135*	0.57 *14.5*	23.0 *10.4*
4	67BFVWET040	6.14 *156*	4.29 *109*	2.05 *52*	7.32 *186*	5.31 *135*	0.89 *22.7*	27.0 *12.2*
6	67BFVWET060	7.40 *188*	5.67 *144*	2.20 *56*	8.58 *218*	8.66 *193*	1.79 *45.4*	33.0 *14.9*
8	67BFVWET080	8.74 *222*	6.54 *166*	2.28 *58*	9.92 *252*	8.66 *193*	2.72 *69.1*	45.0 *20.3*

Fire Protection Grooved End Butterfly Valve with Gear Operator

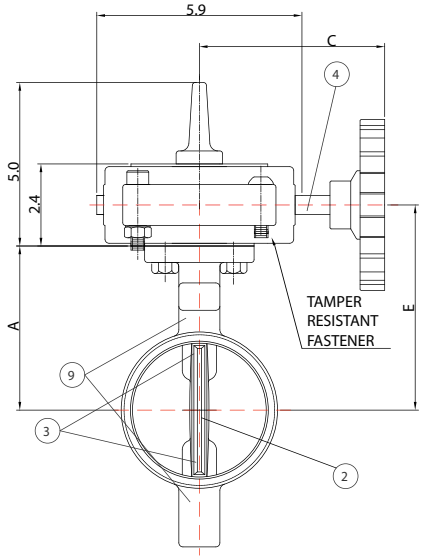
Fig. 67BFVGET

Grooved End Butterfly Valve with Indicator

- 300 psi
- UL/ULC Listed
- FM Approved
- California State Fire Marshall Approval No. 7770-1740:100
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Grooved ends
- Gear operated



No.	Part	Materials Specification
1	Body	ASTM A-536 DI, Nylon-11 Coated
2	Disc	ASTM A-536 DI, EPDM Encapsulated
3	Upper and Lower Stems	AISI Type 420 Stainless Steel
4	Input Shaft	AISI Type 410 Stainless Steel
5	Gear Housing	ASTM A-536 Ductile Iron
6	Hand Wheel	ASTM A-536 Ductile Iron
7	Flag Indicator	ASTM A-536 Ductile Iron
8	Gear Housing Gasket	EPDM
9	O-Rings (All)	EPDM



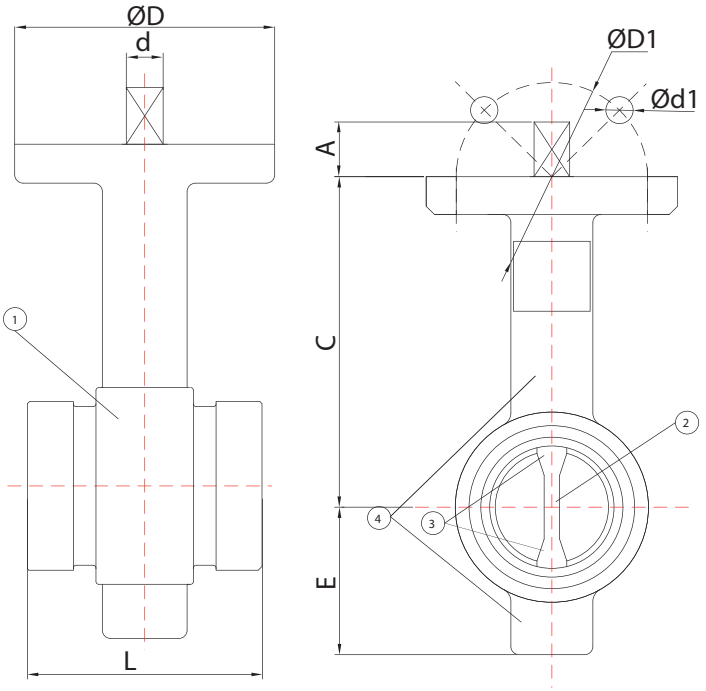
Size IN	Part Number	A IN / mm	B IN / mm	C IN / mm	D IN / mm	E IN / mm	Weight LB / kg
2-1/2	67BFVGET024	4.13 105	3.80 96.4	5.31 135	2.87 73	5.31 135	22.0 9.9
3	67BFVGET030	4.41 112	3.80 96.4	5.31 135	3.50 88.9	5.59 142	23.0 10.4
4	67BFVGET040	5.71 145	4.54 115.4	5.31 135	4.50 114.3	6.89 175	27.0 12.2
6	67BFVGET060	7.05 179	5.21 132.4	7.60 193	6.63 168.3	8.23 209	42.0 18.9
8	67BFVGET080	8.03 204	5.80 147.4	7.60 193	8.63 219.1	9.21 234	47.0 21.2

Grooved End Butterfly Valve - Lever Handle & Gear Operator

Fig. 67BFVG
Grooved End Butterfly Valve

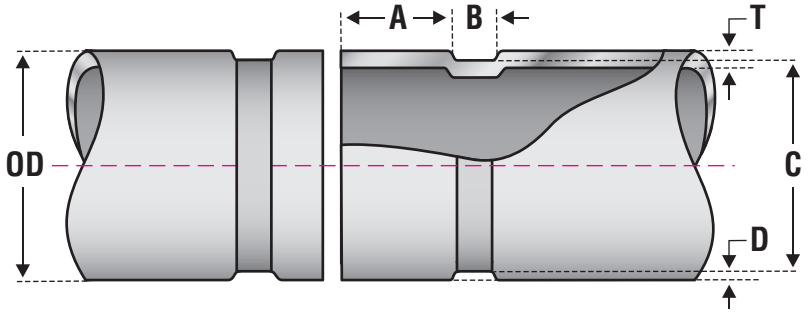
- 300 psi
- EPDM 200° F maximum working temperature
- NBR 180° F maximum working temperature
- 10-Position lever handle or gear operator
- Grooved ends

No.	Part	Materials Specification
1	Body	ASTM A-536 Ductile Iron
2	Disc	ASTM A-536 Ductile Iron with either EPDM or NBR Coating
3	Upper and Lower Shafts	ASTM A-276 Stainless Steel
4	O-Rings	NBR



Size IN	Part Number				A IN / *mm*	C IN / *mm*	E IN / *mm*	ØD IN / *mm*	ØD1 IN / *mm*	L IN / *mm*	d IN / *mm*	Ød1 IN / *mm*	Weight w/ Lever LB / *kg*	Weight w/ Gear Op LB / *kg*
	EPDM Lever	EPDM Gear	NBR Lever	NBR Gear										
2	67BFVGEL020	-	67BFVGNL020	-	1.26 *32.0*	4.84 *123.0*	2.17 *55.0*	3.54 *90.0*	2.76 *70.0*	3.19 *81.0*	0.50 *12.6*	0.39 *10.0*	6.7 *3.0*	- -
2-1/2	67BFVGEL024	-	67BFVGNL024	-	1.26 *32.0*	5.00 *127.0*	2.64 *67.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.50 *12.6*	0.39 *10.0*	7.5 *3.4*	- -
3	67BFVGEL030	-	67BFVGNL030	-	1.26 *32.0*	4.57 *116.0*	3.07 *78.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.50 *12.6*	0.39 *10.0*	8.7 *3.9*	- -
4	67BFVGEL040	-	67BFVGNL040	-	1.26 *32.0*	5.59 *142.0*	3.58 *91.0*	3.54 *90.0*	2.76 *70.0*	4.56 *115.8*	0.62 *15.7*	0.39 *10.0*	12.2 *5.5*	- -
5	67BFVGEL050	-	67BFVGNL050	-	1.26 *32.0*	5.87 *149.0*	4.69 *119.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.74 *18.9*	0.39 *10.0*	17.3 *7.8*	- -
6	67BFVGEL060	67BFVGEG060	67BFVGNL060	67BFVGNG060	1.26 *32.0*	6.61 *168.0*	5.31 *135.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.74 *18.9*	0.39 *10.0*	17.3 *12.3*	41.0 *18.4*
8	67BFVGEL080	67BFVGEG080	67BFVGNL080	67BFVGNG080	1.57 *40.0*	7.95 *202.0*	6.30 *160.0*	4.92 *125.0*	4.01 *102.0*	5.25 *133.4*	0.87 *22.2*	0.47 *12.0*	32.5 *14.6*	46.5 *20.9*
10	-	67BFVGEG100	-	67BFVGNG100	1.57 *40.0*	9.00 *228.6*	7.80 *198.0*	4.92 *125.0*	4.01 *102.0*	6.25 *158.8*	0.92 *23.5*	0.47 *12.0*	- -	93.0 *41.9*
12	-	67BFVGEG120	-	67BFVGNG120	1.57 *40.0*	10.50 *266.7*	9.06 *230.0*	4.92 *125.0*	4.01 *102.0*	6.50 *165.1*	1.25 *31.7*	0.47 *12.0*	- -	111.0 *49.9*

Standard Roll Groove Specifications AWWA C606



GROOVED

1 Nominal IPS Pipe Size IN / mm	2 Pipe Outside Diameter (OD) Actual IN / mm	2 Pipe Outside Diameter (OD) Tolerance + IN / mm	2 Pipe Outside Diameter (OD) Tolerance - IN / mm	3 Gasket Seat (A) ± 0.03 IN ± 0.77 mm IN / mm	4 Groove Width (B) ± 0.03 IN ± 0.77 mm IN / mm	5 Groove Diameter (C) Actual IN / mm	5 Groove Diameter (C) Tolerance +0.0000 IN / mm	6 Groove Depth (D) (Ref.) IN / mm	7 Min. Wall Thick. (T) IN / mm	8 Max Flare Dia. IN / mm
1	1.315	+0.015	–0.015	0.625	0.281	1.190	–0.015	0.062	0.065	1.360
25	*33.7*	*+0.381*	*–0.381*	*15.875*	*7.137*	*30.226*	*–0.381*	*1.575*	*1.575*	*34.5*
1-1/4	1.660	+0.015	–0.015	0.625	0.281	1.535	–0.015	0.062	0.065	1.705
32	*42.4*	*+0.381*	*–0.381*	*15.875*	*7.137*	*38.989*	*–0.381*	*1.575*	*1.575*	*43.3*
1-1/2	1.900	+0.015	–0.015	0.625	0.281	1.775	–0.015	0.062	0.065	1.945
40	*48.3*	*+0.381*	*–0.381*	*15.875*	*7.137*	*45.085*	*–0.381*	*1.575*	*1.575*	*49.4*
2	2.375	+0.024	–0.024	0.625	0.344	2.250	–0.015	0.062	0.065	2.447
50	*60.3*	*+0.610*	*–0.610*	*15.875*	*8.738*	*57.150*	*–0.381*	*1.575*	*1.575*	*62.2*
2-1/2	2.875	+0.029	–0.029	0.625	0.344	2.720	–0.018	0.078	0.083	2.962
65	*73.0*	*+0.737*	*–0.737*	*15.875*	*8.738*	*69.088*	*–0.457*	*1.981*	*2.108*	*75.2*
3	3.500	+0.035	–0.031	0.625	0.344	3.344	–0.018	0.078	0.083	3.566
80	*88.9*	*+0.889*	*–0.787*	*15.875*	*8.738*	*84.938*	*–0.457*	*1.981*	*2.108*	*90.6*
3-1/2	4.000	+0.040	–0.031	0.625	0.344	3.834	–0.020	0.083	0.083	4.071
*	*	*+1.016*	*–0.787*	*15.875*	*8.738*	*97.384*	*–0.508*	*2.108*	*2.108*	*103.4*
4	4.500	+0.045	–0.031	0.625	0.344	4.334	–0.020	0.083	0.083	4.576
100	*114.3*	*+1.143*	*–0.787*	*15.875*	*8.738*	*110.084*	*–0.508*	*2.108*	*2.108*	*116.2*
5	5.563	+0.056	–0.031	0.625	0.344	5.395	–0.022	0.084	0.109	5.650
125	*141.3*	*+1.422*	*–0.787*	*15.875*	*8.738*	*137.033*	*–0.559*	*2.134*	*2.769*	*143.5*
6	6.625	+0.063	–0.031	0.625	0.344	6.455	–0.022	0.085	0.109	6.719
150	*168.3*	*+1.600*	*–0.787*	*15.875*	*8.738*	*163.960*	*–0.559*	*2.159*	*2.769*	*170.7*
8	8.625	+0.063	–0.031	0.750	0.469	8.441	–0.025	0.092	0.109	8.719
200	*219.1*	*+1.600*	*–0.787*	*19.050*	*11.913*	*214.401*	*–0.635*	*2.337*	*2.769*	*221.5*
10	10.750	+0.063	–0.031	0.750	0.469	10.562	–0.027	0.094	0.134	10.844
250	*273.0*	*+1.600*	*–0.787*	*19.050*	*11.913*	*268.275*	*–0.686*	*2.388*	*3.404*	*275.4*
12	12.750	+0.063	–0.031	0.750	0.469	12.531	–0.030	0.109	0.156	12.844
300	*323.9*	*+1.600*	*–0.787*	*19.050*	*11.913*	*318.287*	*–0.762*	*2.769*	*3.962*	*326.2*
14	14.000	+0.063	–0.031	0.938	0.469	13.781	–0.030	0.109	0.156	14.094
350	*355.6*	*+1.600*	*–0.787*	*23.825*	*11.913*	*350.037*	*–0.762*	*2.769*	*3.962*	*253.0*
16	16.000	+0.063	–0.031	0.938	0.469	15.781	–0.030	0.109	0.165	16.094
400	*406.4*	*+1.600*	*–0.787*	*23.825*	*11.913*	*400.837*	*–0.762*	*2.769*	*4.191*	*408.8*
18	18.000	+0.063	–0.031	1.000	0.469	17.781	–0.030	0.109	0.165	18.094
450	*457.6*	*+1.600*	*–0.787*	*25.400*	*11.913*	*451.637*	*–0.762*	*2.769*	*4.191*	*459.6*
20	20.000	+0.063	–0.031	1.000	0.469	19.781	–0.030	0.109	0.188	20.094
500	*508.0*	*+1.600*	*–0.787*	*25.400*	*11.913*	*502.437*	*–0.762*	*2.769*	*4.775*	*510.4*
24	24.000	+0.063	–0.031	1.000	0.500	23.656	–0.030	0.172	0.218	24.100
600	*609.6*	*+1.600*	*–0.787*	*25.400*	*12.700*	*600.862*	*–0.762*	*4.369*	*5.53*	*612.1*

** No equivalent metric pipe size.*

Column 1
Nominal IPS pipe size.
Nominal metric pipe size.

Column 2
IPS outside diameter.
Metric outside diameter.

Column 3 & 4
For IPS pipe, the maximum allowable tolerance from square cut ends is 0.030″ for 1 – 3-1/2″, 0.045″ for 4 – 6″ and 0.060″ for sizes 8″ and above, measured from a true square line. For metric size pipe, the maximum allowable tolerance from square cut ends is 0.75mm for sizes 25 – 80mm, 1.15mm for sizes 100 – 150mm and 1.50mm for sizes 200mm and above, measured from a true square line.

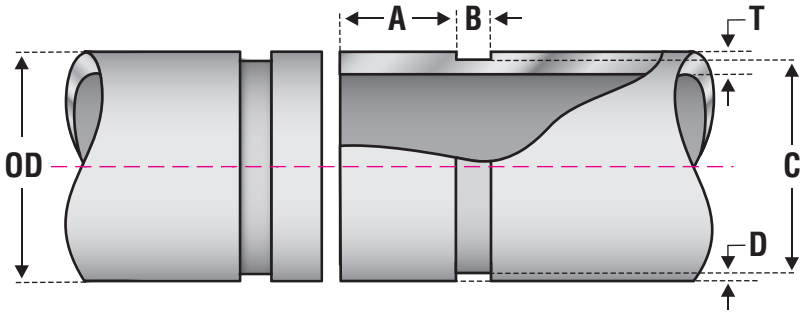
Column 5
The groove must be of uniform depth around the entire pipe circumference (see Column 6).

Column 6
Groove depth: for reference only. Groove must conform to the groove diameter "C" listed in Column 5.

Column 7
Minimum allowable wall thickness which may be roll grooved.

Column 8
Maximum allowable pipe end flare diameter. Measured at the most extreme pipe end diameter of the gasket seat area.

Standard Cut Groove Specifications AWWA C606



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Column 1
Nominal IPS pipe size.
Nominal metric pipe size.

Column 2
IPS outside diameter.
Metric outside diameter.

Column 3 & 4
For IPS pipe, the maximum allowable tolerance from square cut ends is 0.030″ for 1 – 3-1/2″, 0.045″ for 4 – 6″ and 0.060″ for sizes 8″ and above, measured from a true square line. For metric size pipe, the maximum allowable tolerance from square cut ends is 0.75mm for sizes 25 – 80mm, 1.15mm for sizes 100 – 150mm and 1.50mm for sizes 200mm and above, measured from a true square line.

Column 5
The groove must be of uniform depth around the entire pipe circumference (see Column 6).

Column 6
Groove depth: for reference only. Groove must conform to the groove diameter “C” listed in Column 5.

Column 7
Minimum allowable wall thickness which may be cut grooved.

** No equivalent metric pipe size.*

1	2			3	4	5		6	7
Nominal IPS Pipe Size IN / *mm*	Pipe Outside Diameter (OD)			Gasket Seat (A) ± 0.03 IN ± 0.77 mm IN / *mm*	Groove Width (B) ± 0.03 IN ± 0.77 mm IN / *mm*	Groove Diameter (C)		Groove Depth (D) (Ref.) IN / *mm*	Min. Wall Thick. (T) IN / *mm*
	Actual IN / *mm*	Tolerance + IN / *mm*	Tolerance - IN / *mm*			Actual IN / *mm*	Tolerance +0.0000 IN / *mm*		
1 *25*	1.315 *33.7*	+0.015 *+0.381*	–0.015 *–0.381*	0.625 *15.875*	0.312 *7.925*	1.190 *30.226*	–0.015 *–0.381*	0.062 *1.575*	0.133 *3.378*
1-1/4 *32*	1.660 *42.4*	+0.015 *+0.381*	–0.015 *–0.381*	0.625 *15.875*	0.312 *7.925*	1.535 *38.989*	–0.015 *–0.381*	0.062 *1.575*	0.140 *3.556*
1-1/2 *40*	1.900 *48.3*	+0.015 *+0.381*	–0.015 *–0.381*	0.625 *15.875*	0.312 *7.925*	1.775 *45.085*	–0.015 *–0.381*	0.062 *1.575*	0.145 *3.683*
2 *50*	2.375 *60.3*	+0.024 *+0.610*	–0.024 *–0.610*	0.625 *15.875*	0.312 *7.925*	2.250 *57.150*	–0.015 *–0.381*	0.062 *1.575*	0.154 *3.912*
2-1/2 *65*	2.875 *73.0*	+0.029 *+0.737*	–0.029 *–0.737*	0.625 *15.875*	0.312 *7.925*	2.720 *69.088*	–0.018 *–0.457*	0.078 *1.981*	0.187 *4.750*
3 *80*	3.500 *88.9*	+0.035 *+0.889*	–0.031 *–0.787*	0.625 *15.875*	0.312 *7.925*	3.344 *84.938*	–0.018 *–0.457*	0.078 *1.981*	0.188 *4.775*
3-1/2 *	4.000 *	+0.040 *+1.016*	–0.031 *–0.787*	0.625 *15.875*	0.312 *7.925*	3.834 *97.384*	–0.020 *–0.508*	0.083 *2.108*	0.188 *4.775*
4 *100*	4.500 *114.3*	+0.045 *+1.143*	–0.031 *–0.787*	0.625 *15.875*	0.375 *9.525*	4.334 *110.084*	–0.020 *–0.508*	0.083 *2.108*	0.203 *5.156*
5 *125*	5.563 *141.3*	+0.056 *+1.422*	–0.031 *–0.787*	0.625 *15.875*	0.375 *9.525*	5.395 *137.033*	–0.022 *–0.559*	0.084 *2.134*	0.203 *5.156*
6 *150*	6.625 *168.3*	+0.063 *+1.600*	–0.031 *–0.787*	0.625 *15.875*	0.375 *9.525*	6.455 *163.960*	–0.022 *–0.559*	0.085 *2.159*	0.219 *5.563*
8 *200*	8.625 *219.1*	+0.063 *+1.600*	–0.031 *–0.787*	0.750 *19.050*	0.437 *11.100*	8.441 *214.401*	–0.025 *–0.635*	0.092 *2.337*	0.238 *6.045*
10 *250*	10.750 *273.0*	+0.063 *+1.600*	–0.031 *–0.787*	0.750 *19.050*	0.500 *12.700*	10.562 *268.275*	–0.027 *–0.686*	0.094 *2.388*	0.250 *6.350*
12 *300*	12.750 *323.9*	+0.063 *+1.600*	–0.031 *–0.787*	0.750 *19.050*	0.500 *12.700*	12.531 *318.287*	–0.030 *–0.762*	0.109 *2.769*	0.279 *7.087*
14 *350*	14.000 *355.6*	+0.063 *+1.600*	–0.031 *–0.787*	0.938 *23.825*	0.500 *12.700*	13.781 *350.037*	–0.030 *–0.762*	0.109 *2.769*	0.281 *7.137*
16 *400*	16.000 *406.4*	+0.063 *+1.600*	–0.031 *–0.787*	0.938 *23.825*	0.500 *12.700*	15.781 *400.837*	–0.030 *–0.762*	0.109 *2.769*	0.312 *7.925*
18 *450*	18.000 *457.6*	+0.063 *+1.600*	–0.031 *–0.787*	1.000 *25.400*	0.500 *12.700*	17.781 *451.637*	–0.030 *–0.762*	0.109 *2.769*	0.312 *7.925*
20 *500*	20.000 *508.0*	+0.063 *+1.600*	–0.031 *–0.787*	1.000 *25.400*	0.500 *12.700*	19.781 *502.437*	–0.030 *–0.762*	0.109 *2.769*	0.312 *7.925*
24 *600*	24.000 *609.6*	+0.063 *+1.600*	–0.031 *–0.787*	1.000 *25.400*	0.563 *14.300*	23.656 *600.862*	–0.030 *–0.762*	0.172 *4.369*	0.375 *9.525*

NOTES:

1. For grooving pipe with wall thickness less than “T” (Column 7), see Roll Groove Specifications on Page 13.
2. Gasket seat and groove must be smooth and free from scores, seams, chips, rust or scale which may interfere with proper coupling assembly.
3. Out of roundness: Difference between maximum OD and minimum OD measured at 90° must not exceed total OD tolerance listed.
4. All tolerances not shown are to comply with latest ASME or ASTM specification applicable to material being used.

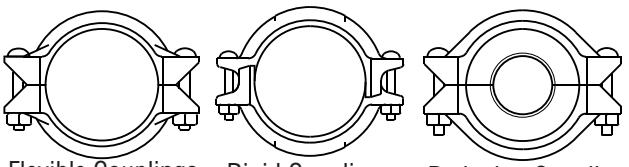
Installation Instructions

Couplings

Assembly:

- Step 1: Check to ensure that gasket is suitable for intended service.
- Step 2: Gasket is pre-lubricated (additional lubrication may be necessary)
- Step 3: Remove any dirt or debris from gasket and pipe ends.
- Step 4: Install gasket by placing it over pipe, ensuring that gasket lip does not overhang pipe end.
- Step 5: Bring both pipe ends together ensuring proper alignment and slide gasket into position properly centered between the grooved portions of each pipe.
- Step 6: Place coupling housings over gasket so that housing keys fully engage into grooves. Insert bolts into couplings and rotate nuts until finger tight. Wrench-tighten bolts alternately to the torque requirements shown below.

Torque Requirements for Bolts (ft./lbs)					
Coupling Size	Fig. 65LF	Fig. 65LR	Fig. 65SF	Fig. 65SR	Fig. 65RC
1	-	-	30	30	-
1-1/4 - 1-1/2	30	30	90	30	-
2 - 2-1/2	30	30	90	30	30
3 - 4	50	30	90	90	50
5 - 6	90	50	200	150	90
8	150	90	250	200	150
10	-	-	250	220	-
12	-	-	250	220	-
14	-	-	250	220	-



Flexible Couplings
Fig. 65LF
Fig. 65SF

Rigid Couplings
Fig. 65LR
Fig. 65SR

Reducing Coupling
Figure 65RC
Figure 66RC

30 ft./lbs.	= 40 N/M
50 ft./lbs.	= 67 N/M
90 ft./lbs.	= 121 N/M
150 ft./lbs.	= 202 N/M
200 ft./lbs.	= 271 N/M
220 ft./lbs.	= 298 N/M
250 ft./lbs.	= 339 N/M

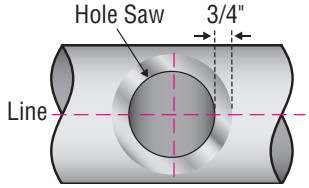
Mechanical and Strap Tees

Preparation:

After cutting hole, clean pipe surface within 3/4 of hole to make certain it is free from foreign matter to allow adequate seating of gasket. The area around the circumference of the pipe should be cleaned to allow full seating of the branch opening on the pipe surface.

Branch Size	Hole Saw Size
1/2″ – 3/4″ – 1″	1-1/2″
1-1/4″	1-3/4″
1-1/2″	2*
2″	2-1/2″
3″	3-1/2″
4″	4-1/2″

**Exception: 2″ x 1-1/2″ (1-3/4″)*



Assembly:

- Step 1: Disassemble tee, removing track bolts.
- Step 2: Lubricate tee gasket using standard gasket lubricant.
- Step 3: Insert unit over hole, align it and hand-tighten bolts.
- Step 4: Gently rock the tee to assure proper placement over hole.
- Step 5: Wrench-tighten bolts alternately to the torque requirements shown below. Less torque than listed may not seat properly; more torque than listed may cause gasket to fail to hold pressure.
- Step 6: Check to see that housing is firmly installed against pipe with no gaps showing and that no foreign matter is between tee and pipe.

Torque Requirements:

- Mechanical Tees: 45-75 ft./LBs. Strap Tees: 30 ft./LBs.

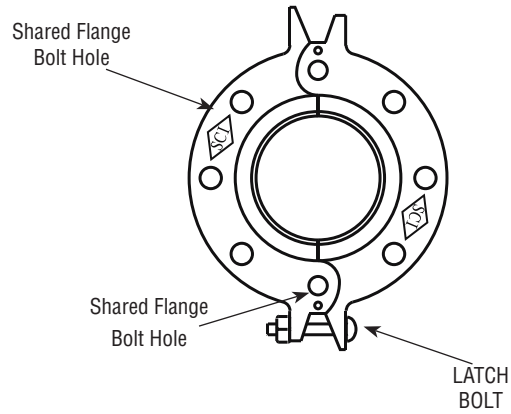
Hinged Flange Adapter

Assembly:

- Step 1: Loosen the latch bolt nut and pull it out of the flange slot. Open the hinged flange and install it on the grooved pipe end with the flange's key section inserted into the pipe groove. The SCI logo must face away from the pipe end.
- Step 2: Return the latch bolt into the flange slot. Do not tighten the bolt completely.
- Step 3: Check the gasket to insure that it is suitable for the intended service. Lubricate the exterior of the gasket, using a silicone lubricant or equivalent.
- Step 4: Press the hinged flange gasket into the gasket cavity, making sure that the gasket is oriented correctly.
- Step 5: Tighten the nut of the latch bolt to the specified bolt torque. The hinged flange housings must overlap completely so a flange bolt can be inserted into the shared hole.
- Step 6: The mating flange must be flat, smooth and free of gouges or other indentations. Check that the gasket is still located properly and bring the two flanges together.
- Step 7: Starting with the shared holes on the hinged flange, insert flange bolts meeting SAE J429 Grade 5 or higher through both flanges. Hand-tighten nuts onto the bolts and then torque the nuts to the values in the table, keeping the flanges parallel as the nuts are being tightened alternately.

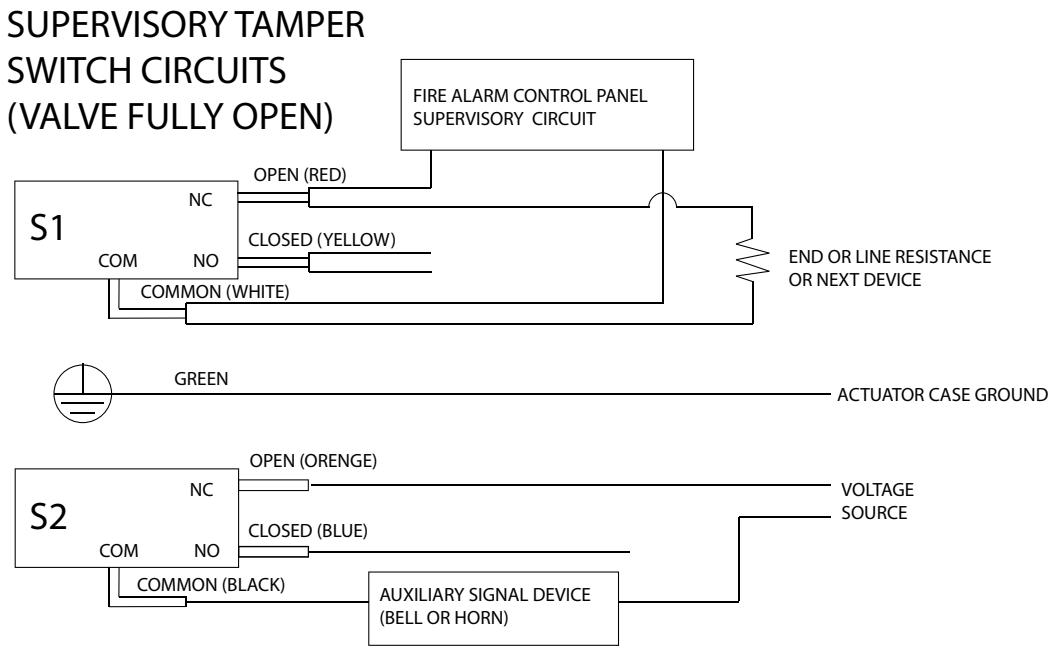
Adapter Size	Flange Bolt Torque
2″ – 2-1/2″ – 3″	100-130 ft./lbs. (135-175 N/M)
4″ – 6″	200-250 ft./lbs. (270-340 N/M)
8″	300-400 ft./lbs. (400-540 N/M)

Adapter Size	Latch Bolt Torque
All Sizes	40 ft./lbs. (55 N/M)



Hinged Flange Adapter
Figure 65FH
Figure 66FH

Wiring Diagram for Butterfly Valve Indicator



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- Class 300 SCI branded fittings are UL Listed
- Hot-dipped galvanized fittings are certified to; NSF/ANSI 61-4 and California AB1953 Lead Free
- Canadian Registration Numbers available at www.smithcooper.com
- Malleable castings conform to ASTM A197
- Hot-dipped galvanized fittings conform to ASTM A153
- Malleable fitting dimensions conform to ASME B16.3
- Malleable bushings, plugs and locknuts conform to ASME B16.14
- Malleable unions conform to ASME B16.39
- NPT threads on all fittings conform to ASME B1.20.1
- Independent lab verification that fittings meet applicable chemical & physical properties
- Manufacturing facilities are ISO 9001:2008 and ISO 14001
- SCI branded fittings are 100% air tested

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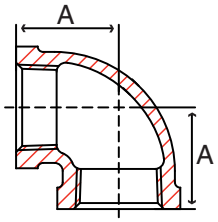
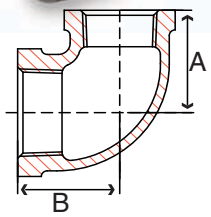
Fig. 33E 1 & 34E 1 – 90° Elbow



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33E 1001C	34E 1001C	0.69	50	800	0.1
1/4	33E 1002C	34E 1002C	0.81	35	560	0.1
3/8	33E 1003C	34E 1003C	0.95	45	360	0.2
1/2	33E 1004C	34E 1004C	1.12	50	200	0.2
3/4	33E 1006C	34E 1006C	1.31	35	140	0.3
1	33E 1010C	34E 1010C	1.50	20	80	0.6
1-1/4	33E 1012C	34E 1012C	1.75	20	40	0.9
1-1/2	33E 1014C	34E 1014C	1.94	15	30	1.2
2	33E 1020C	34E 1020C	2.25	8	16	1.8
2-1/2	33E 1024C	34E 1024C	2.70	6	12	3.1
3	33E 1030C	34E 1030C	3.08	-	7	3.9
3-1/2	33E 1034C	34E 1034C	3.42	-	4	6.6
4	33E 1040C	34E 1040C	3.79	-	3	7.5
5	33E 1050C	34E 1050C	4.50	-	2	13.2
6	33E 1060C	34E 1060C	5.13	-	1	19.8
8	33E 1080C	34E 1080C	6.38	-	1	32.0

Fig. 33RE1 & 34RE1 – 90° Reducing Elbow



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/4 x 1/8	33RE1002001C	34RE1002001C	0.76	0.74	40	640	0.2
3/8 x 1/8	33RE1003001C	34RE1003001C	0.85	0.81	70	560	0.2
3/8 x 1/4	33RE1003002C	34RE1003002C	0.90	0.88	60	480	0.2
1/2 x 1/8	33RE1004001C	34RE1004001C	0.98	0.96	50	400	0.2
1/2 x 1/4	33RE1004002C	34RE1004002C	0.98	0.97	40	320	0.2
1/2 x 3/8	33RE1004003C	34RE1004003C	1.04	1.03	50	200	0.2
3/4 x 1/8	33RE1006001C	34RE1006001C	1.08	1.02	40	160	0.3
3/4 x 1/4	33RE1006002C	34RE1006002C	1.08	1.05	40	160	0.3
3/4 x 3/8	33RE1006003C	34RE1006003C	1.13	1.12	40	160	0.3
3/4 x 1/2	33RE1006004C	34RE1006004C	1.22	1.20	40	160	0.3
1 x 1/4	33RE1010002C	34RE1010002C	1.22	1.10	25	300	0.3
1 x 3/8	33RE1010003C	34RE1010003C	1.27	1.18	25	100	0.5
1 x 1/2	33RE1010004C	34RE1010004C	1.36	1.26	25	100	0.4
1 x 3/4	33RE1010006C	34RE1010006C	1.45	1.37	25	100	0.5
1-1/4 x 1/2	33RE1012004C	34RE1012004C	1.53	1.34	20	80	0.6
1-1/4 x 3/4	33RE1012006C	34RE1012006C	1.62	1.45	15	60	0.7
1-1/4 x 1	33RE1012010C	34RE1012010C	1.67	1.58	10	40	0.8
1-1/2 x 1/2	33RE1014004C	34RE1014004C	1.75	1.52	15	60	0.8
1-1/2 x 3/4	33RE1014006C	34RE1014006C	1.75	1.52	10	40	0.8
1-1/2 x 1	33RE1014010C	34RE1014010C	1.80	1.65	10	40	0.9
1-1/2 x 1-1/4	33RE1014012C	34RE1014012C	1.88	1.82	8	32	1.1
2 x 1/2	33RE1020004C	34RE1020004C	1.97	1.60	10	40	1.2
2 x 3/4	33RE1020006C	34RE1020006C	1.97	1.60	10	40	1.2
2 x 1	33RE1020010C	34RE1020010C	2.02	1.73	14	28	1.5
2 x 1-1/4	33RE1020012C	34RE1020012C	2.10	1.90	10	20	1.5
2 x 1-1/2	33RE1020014C	34RE1020014C	2.16	2.02	10	20	1.6
2-1/2 x 3/4	33RE1024006C	34RE1024006C	2.30	1.73	10	20	1.9
2-1/2 x 1	33RE1024010C	34RE1024010C	2.36	1.87	8	16	2.1
2-1/2 x 1-1/4	33RE1024012C	34RE1024012C	2.44	2.03	8	16	2.2
2-1/2 x 1-1/2	33RE1024014C	34RE1024014C	2.51	2.16	8	16	2.3
2-1/2 x 2	33RE1024020C	34RE1024020C	2.60	2.39	8	16	2.6
3 x 1/2	33RE1030004C	34RE1030004C	2.56	1.69	10	20	6.0
3 x 3/4	33RE1030006C	34RE1030006C	2.60	1.87	8	16	6.6
3 x 1	33RE1030010C	34RE1030010C	2.66	1.99	8	16	2.4
3 x 1-1/4	33RE1030012C	34RE1030012C	2.74	2.16	5	10	6.0
3 x 1-1/2	33RE1030014C	34RE1030014C	2.80	2.28	-	8	2.5
3 x 2	33RE1030020C	34RE1030020C	2.89	2.52	-	8	2.7
3 x 2-1/2	33RE1030024C	34RE1030024C	2.99	2.83	-	8	4.0
4 x 1-1/2	33RE1040014C	34RE1040014C	2.31	2.50	-	5	4.7
4 x 2	33RE1040020C	34RE1040020C	3.41	2.74	-	5	5.1
4 x 2-1/2	33RE1040024C	34RE1040024C	3.50	3.05	-	5	6.3
4 x 3	33RE1040030C	34RE1040030C	3.60	3.30	-	5	6.6

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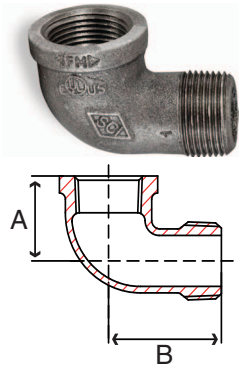
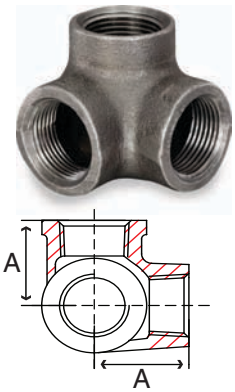
Fig. 33SE1 & 34SE1 – 90° Street Elbow



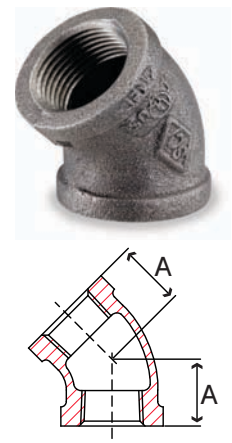
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	33SE1001C	34SE1001C	0.69	1.00	60	960	0.05
1/4	33SE1002C	34SE1002C	0.81	1.19	35	560	0.1
3/8	33SE1003C	34SE1003C	0.95	1.44	40	320	0.2
1/2	33SE1004C	34SE1004C	1.12	1.61	60	240	0.2
3/4	33SE1006C	34SE1006C	1.30	1.89	35	140	0.3
1	33SE1010C	34SE1010C	1.50	2.13	40	80	0.6
1-1/4	33SE1012C	34SE1012C	1.75	2.44	25	50	0.8
1-1/2	33SE1014C	34SE1014C	1.94	2.67	8	32	1.2
2	33SE1020C	34SE1020C	2.25	3.27	8	16	2.0
2-1/2	33SE1024C	34SE1024C	2.70	3.86	-	10	3.6
3	33SE1030C	34SE1030C	3.08	4.51	-	7	4.2
4	33SE1040C	34SE1040C	3.79	5.69	-	3	9.1
6	33SE1060C	34SE1060C	5.13	8.03	-	1	23.1

Fig. 33OE1 & 34OE1 – 90° Side Outlet Elbow



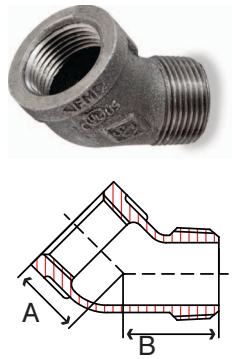
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33OE1001C	34OE1001C	0.69	45	720	0.1
1/4	33OE1002C	34OE1002C	0.81	50	400	0.2
3/8	33OE1003C	34OE1003C	0.95	50	200	0.2
1/2	33OE1004C	34OE1004C	1.12	45	180	0.2
3/4	33OE1006C	34OE1006C	1.31	20	80	0.4
1	33OE1010C	34OE1010C	1.50	20	40	0.7
1-1/4	33OE1012C	34OE1012C	1.75	15	30	1.1
1-1/2	33OE1014C	34OE1014C	1.94	12	24	1.3
2	33OE1020C	34OE1020C	2.25	-	12	2.5

Fig. 33F 1 & 34F 1 – 45° Elbow



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33F 1001C	34F 1001C	0.60	50	800	0.1
1/4	33F 1002C	34F 1002C	0.73	30	480	0.1
3/8	33F 1003C	34F 1003C	0.80	50	400	0.1
1/2	33F 1004C	34F 1004C	0.88	50	200	0.2
3/4	33F 1006C	34F 1006C	0.98	40	160	0.3
1	33F 1010C	34F 1010C	1.12	20	80	0.5
1-1/4	33F 1012C	34F 1012C	1.29	20	40	0.7
1-1/2	33F 1014C	34F 1014C	1.43	8	32	1.1
2	33F 1020C	34F 1020C	1.68	12	24	1.7
2-1/2	33F 1024C	34F 1024C	1.95	-	15	2.9
3	33F 1030C	34F 1030C	2.17	-	10	3.4
4	33F 1040C	34F 1040C	2.61	-	3	6.4
5	33F 1050C	34F 1050C	3.05	-	2	12.1
6	33F 1060C	34F 1060C	3.46	-	1	15.4
8	33F 1080C	34F 1080C	4.00	-	1	26.0

Fig. 33SF1 & 34SF1 – 45° Street Elbow



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	33SF1001C	34SF1001C	0.65	0.85	70	1120	0.1
1/4	33SF1002C	34SF1002C	0.73	0.94	40	640	0.1
3/8	33SF1003C	34SF1003C	0.80	1.03	50	600	0.1
1/2	33SF1004C	34SF1004C	0.88	1.15	65	260	0.2
3/4	33SF1006C	34SF1006C	0.98	1.29	40	160	0.3
1	33SF1010C	34SF1010C	1.12	1.47	25	100	0.5
1-1/4	33SF1012C	34SF1012C	1.29	1.71	10	40	0.8
1-1/2	33SF1014C	34SF1014C	1.43	1.88	10	40	0.9
2	33SF1020C	34SF1020C	1.68	2.22	12	24	1.5
2-1/2	33SF1024C	34SF1024C	1.95	2.57	5	10	2.7
3	33SF1030C	34SF1030C	2.17	3.00	-	6	3.6
4	33SF1040C	34SF1040C	2.61	3.70	-	4	9.2

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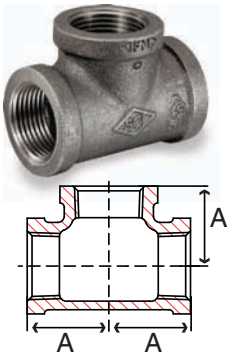
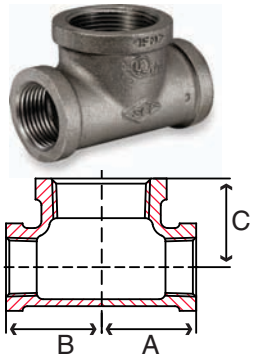
Fig. 33T 1 & 34T 1 – Tee



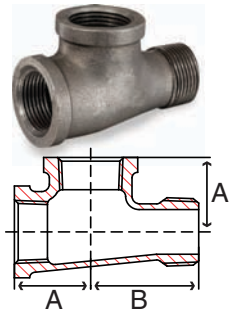
Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
1/8	33T 1001C	34T 1001C	0.69	80	640	0.1
1/4	33T 1002C	34T 1002C	0.81	45	360	0.1
3/8	33T 1003C	34T 1003C	0.95	25	200	0.2
1/2	33T 1004C	34T 1004C	1.12	35	140	0.3
3/4	33T 1006C	34T 1006C	1.31	20	80	0.5
1	33T 1010C	34T 1010C	1.50	25	50	0.8
1-1/4	33T 1012C	34T 1012C	1.75	14	28	1.2
1-1/2	33T 1014C	34T 1014C	1.94	12	24	1.6
2	33T 1020C	34T 1020C	2.25	-	15	2.5
2-1/2	33T 1024C	34T 1024C	2.70	-	10	4.2
3	33T 1030C	34T 1030C	3.08	-	6	6.1
3-1/2	33T 1034C	34T 1034C	3.42	-	2	9.4
4	33T 1040C	34T 1040C	3.79	-	2	9.7
5	33T 1050C	34T 1050C	4.50	-	2	15.4
6	33T 1060C	34T 1060C	5.13	-	1	26.4
8	33T 1080C	34T 1080C	6.50	-	1	50.7

Fig. 33BT1 & 34BT1 – Bull Head Tee



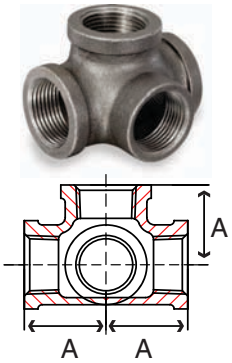
Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1/4 x 3/8	33BT1002003C	34BT1002003C	0.90	0.90	0.88	20	240	0.3
1/2 x 3/4	33BT1004006C	34BT1004006C	1.22	1.22	1.20	25	100	0.3
1/2 x 1	33BT1004010C	34BT1004010C	1.36	1.36	1.26	40	80	0.5
3/4 x 1	33BT1006010C	34BT1006010C	1.45	1.45	1.37	15	60	0.5
3/4 x 1-1/4	33BT1006012C	34BT1006012C	1.62	1.62	1.45	20	40	0.7
1 x 1-1/4	33BT1010012C	34BT1010012C	1.67	1.67	1.58	8	32	0.9
1 x 1-1/2	33BT1010014C	34BT1010014C	1.80	1.80	1.65	15	30	1.1
1 x 2	33BT1010020C	34BT1010020C	2.02	2.02	1.73	12	24	1.2
1-1/4 x 1-1/2	33BT1012014C	34BT1012014C	1.88	1.88	1.82	10	20	1.3
1-1/4 x 2	33BT1012020C	34BT1012020C	2.10	2.10	1.90	8	16	1.8
1-1/2 x 2	33BT1014020C	34BT1014020C	2.16	2.16	2.02	8	16	1.7
2 x 2-1/2	33BT1020024C	34BT1020024C	2.60	2.60	2.39	6	12	3.0
2 x 3	33BT1020030C	34BT1020030C	2.88	2.88	2.55	-	6	4.0
2-1/2 x 3	33BT1024030C	34BT1024030C	3.00	3.00	2.83	-	6	5.8
3 x 4	33BT1030040C	34BT1030040C	3.60	3.60	3.30	-	2	8.6

Fig. 33ST1 & 34ST1 – Service Tee



Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/2	33ST1004C	34ST1004C	1.12	1.63	40	160	0.3
3/4	33ST1006C	34ST1006C	1.31	1.89	25	100	0.5
1	33ST1010C	34ST1010C	1.50	2.14	30	60	0.8
1-1/4	33ST1012C	34ST1012C	1.75	2.45	15	30	1.2
1-1/2	33ST1014C	34ST1014C	1.94	2.69	10	20	1.7
2	33ST1020C	34ST1020C	2.25	3.26	6	12	2.0

Fig. 33OT1 & 34OT1 – Side Outlet Tee



Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
1/2	33OT1004C	34OT1004C	1.12	20	80	0.2
3/4	33OT1006C	34OT1006C	1.31	15	60	0.4
1	33OT1010C	34OT1010C	1.50	25	50	0.7
1-1/4	33OT1012C	34OT1012C	1.75	12	24	1.1
1-1/2	33OT1014C	34OT1014C	1.94	8	16	1.4
2	33OT1020C	34OT1020C	2.25	-	10	2.7

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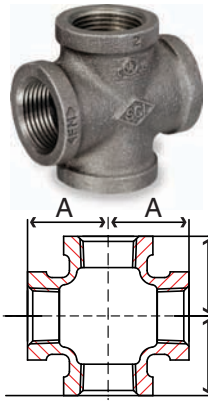
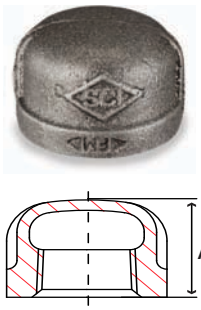
Fig. 33X 1 & 34X 1 – Cross



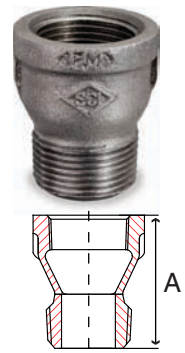
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33X 1001C	34X 1001C	0.69	20	320	0.2
1/4	33X 1002C	34X 1002C	0.81	40	320	0.2
3/8	33X 1003C	34X 1003C	0.95	40	160	0.3
1/2	33X 1004C	34X 1004C	1.12	30	120	0.3
3/4	33X 1006C	34X 1006C	1.31	20	80	0.6
1	33X 1010C	34X 1010C	1.50	20	40	1.1
1-1/4	33X 1012C	34X 1012C	1.75	-	20	1.4
1-1/2	33X 1014C	34X 1014C	1.94	-	18	1.9
2	33X 1020C	34X 1020C	2.25	-	10	2.8
2-1/2	33X 1024C	34X 1024C	2.70	-	6	5.0
3	33X 1030C	34X 1030C	3.08	-	4	7.3
4	33X 1040C	34X 1040C	3.79	-	2	12.6

Fig. 33C 1 & 34C 1 – Cap



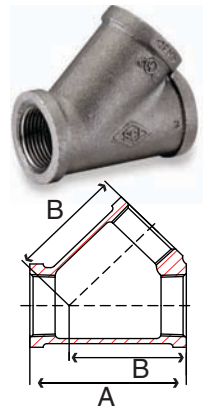
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33C 1001C	34C 1001C	0.53	120	1920	0.05
1/4	33C 1002C	34C 1002C	0.63	80	1280	0.05
3/8	33C 1003C	34C 1003C	0.74	60	720	0.1
1/2	33C 1004C	34C 1004C	0.87	75	600	0.1
3/4	33C 1006C	34C 1006C	0.97	40	320	0.2
1	33C 1010C	34C 1010C	1.16	25	200	0.3
1-1/4	33C 1012C	34C 1012C	1.28	25	100	0.5
1-1/2	33C 1014C	34C 1014C	1.33	25	100	0.6
2	33C 1020C	34C 1020C	1.45	15	60	1.1
2-1/2	33C 1024C	34C 1024C	1.70	20	40	1.6
3	33C 1030C	34C 1030C	1.80	12	24	2.2
3-1/2	33C 1034C	34C 1034C	1.90	6	12	3.5
4	33C 1040C	34C 1040C	2.08	-	12	3.9
5	33C 1050C	34C 1050C	2.32	-	10	5.6
6	33C 1060C	34C 1060C	2.55	-	5	8.8
8	33C 1080C	34C 1080C	3.20	-	4	17.0

Fig. 33EP1 & 34EP1 – Extension Piece



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/2	33EP1004C	34EP1004C	1.72	50	400	0.2
3/4	33EP1006C	34EP1006C	1.82	40	160	0.2
1	33EP1010C	34EP1010C	2.20	30	120	0.3
1-1/4	33EP1012C	34EP1012C	2.60	30	60	0.6
1-1/2	33EP1014C	34EP1014C	2.65	20	40	0.8
2	33EP1020C	34EP1020C	2.85	15	30	1.2

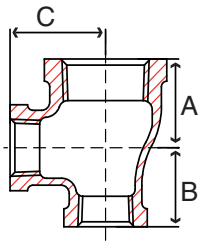
Fig. 33LT1 & 34LT1 – Lateral



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/2	33LT1004C	34LT1004C	2.32	1.71	30	120	0.3
3/4	33LT1006C	34LT1006C	2.77	2.05	40	80	0.6
1	33LT1010C	34LT1010C	3.28	2.43	20	40	0.9
1-1/4	33LT1012C	34LT1012C	3.94	2.92	12	24	1.4
1-1/2	33LT1014C	34LT1014C	4.38	3.28	10	20	2.0
2	33LT1020C	34LT1020C	5.17	3.93	5	10	3.1
2-1/2	33LT1024C	34LT1024C	6.25	4.73	-	4	8.2
3	33LT1030C	34LT1030C	7.26	5.55	-	2	16.1
4	33LT1040C	34LT1040C	8.98	6.97	-	2	20.0

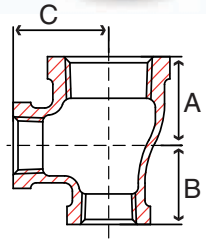
c UL us LISTED
FM APPROVED

Fig. 33RT1 & 34RT1 – Reducing Tee



Size	Part Number		A	B	C	Packing		Weight
IN	Black	Galvanized	IN	IN	IN	Inner	Master	LB
3/8 x 1/8	33RT1003001C	34RT1003001C	0.81	0.81	0.86	60	240	0.2
3/8 x 1/4	33RT1003002C	34RT1003002C	0.81	0.81	0.86	40	160	0.2
1/2 x 1/8	33RT1004001C	34RT1004001C	0.91	0.91	0.97	20	480	0.3
1/2 x 1/4	33RT1004002C	34RT1004002C	0.97	0.97	0.98	20	160	0.2
1/2 x 1/4 x 1/2	33RT1004002004C	34RT1004002004C	1.12	0.97	1.12	20	160	0.2
1/2 x 3/8	33RT1004003C	34RT1004003C	1.04	1.04	1.03	20	160	0.2
1/2 x 3/8 x 1/2	33RT1004003004C	34RT1004003004C	1.12	1.03	1.12	20	160	0.2
3/4 x 1/4	33RT1006002C	34RT1006002C	1.12	1.12	1.12	25	100	0.3
3/4 x 3/8	33RT1006003C	34RT1006003C	1.12	1.12	1.13	25	100	0.4
3/4 x 3/8 x 3/4	33RT1006003006C	34RT1006003006C	1.31	1.13	1.31	25	100	0.4
3/4 x 1/2	33RT1006004C	34RT1006004C	1.20	1.20	1.22	20	80	0.4
3/4 x 1/2 x 1/2	33RT1006004004C	34RT1006004004C	1.20	1.12	1.22	25	100	0.3
3/4 x 1/2 x 3/4	33RT1006004006C	34RT1006004006C	1.31	1.22	1.31	20	80	0.4
3/4 x 1/2 x 1	33RT1006004010C	34RT1006004010C	1.45	1.36	1.37	18	72	0.5
1 x 1/4	33RT1010002C	34RT1010002C	1.12	1.12	1.25	20	80	0.5
1 x 3/8	33RT1010003C	34RT1010003C	1.18	1.18	1.27	15	60	0.5
1 x 1/2	33RT1010004C	34RT1010004C	1.26	1.26	1.36	15	60	0.6
1 x 1/2 x 1/2	33RT1010004004C	34RT1010004004C	1.26	1.12	1.36	20	80	0.6
1 x 1/2 x 3/4	33RT1010004006C	34RT1010004006C	1.37	1.22	1.45	20	80	0.6
1 x 1/2 x 1	33RT1010004010C	34RT1010004010C	1.50	1.36	1.50	15	60	0.7
1 x 3/4	33RT1010006C	34RT1010006C	1.38	1.31	1.45	12	48	0.7
1 x 3/4 x 1/2	33RT1010006004C	34RT1010006004C	1.26	1.20	1.36	20	80	0.6
1 x 3/4 x 3/4	33RT1010006006C	34RT1010006006C	1.38	1.31	1.45	15	60	0.6
1 x 3/4 x 1	33RT1010006010C	34RT1010006010C	1.50	1.45	1.50	15	60	0.7
1-1/4 x 3/8	33RT1012003C	34RT1012003C	1.26	1.26	1.44	20	40	0.8
1-1/4 x 1/2	33RT1012004C	34RT1012004C	1.34	1.34	1.53	20	40	0.8
1-1/4 x 1/2 x 1/2	33RT1012004004C	34RT1012004004C	1.36	1.12	1.53	25	50	0.6
1-1/4 x 1/2 x 3/4	33RT1012004006C	34RT1012004006C	1.45	1.26	1.53	25	50	0.7
1-1/4 x 1/2 x 1	33RT1012004010C	34RT1012004010C	1.58	1.36	1.67	20	40	0.8
1-1/4 x 1/2 x 1-1/4	33RT1012004012C	34RT1012004012C	1.75	1.53	1.75	20	40	1.1
1-1/4 x 3/4	33RT1012006C	34RT1012006C	1.45	1.45	1.62	20	40	0.9
1-1/4 x 3/4 x 1/2	33RT1012006004C	34RT1012006004C	1.34	1.12	1.53	10	40	0.7
1-1/4 x 3/4 x 3/4	33RT1012006006C	34RT1012006006C	1.45	1.31	1.62	10	40	0.9
1-1/4 x 3/4 x 1	33RT1012006010C	34RT1012006010C	1.58	1.45	1.67	10	40	0.9
1-1/4 x 3/4 x 1-1/4	33RT1012006012C	34RT1012006012C	1.75	1.62	1.75	10	40	1.1
1-1/4 x 1	33RT1012010C	34RT1012010C	1.58	1.58	1.67	20	40	1.0
1-1/4 x 1 x 1/2	33RT1012010004C	34RT1012010004C	1.34	1.26	1.53	20	40	0.8
1-1/4 x 1 x 3/4	33RT1012010006C	34RT1012010006C	1.45	1.38	1.63	20	40	1.0
1-1/4 x 1 x 1	33RT1012010010C	34RT1012010010C	1.58	1.50	1.69	20	40	0.9
1-1/4 x 1 x 1-1/4	33RT1012010012C	34RT1012010012C	1.75	1.69	1.75	20	40	1.1
1-1/2 x 3/8	33RT1014003C	34RT1014003C	1.36	1.36	1.66	18	36	1.0
1-1/2 x 1/2	33RT1014004C	34RT1014004C	1.41	1.41	1.66	18	36	1.0
1-1/2 x 1/2 x 1/2	33RT1014004004C	34RT1014004004C	1.35	1.08	1.67	12	48	0.7
1-1/2 x 1/2 x 3/4	33RT1014004006C	34RT1014004006C	1.56	1.18	1.80	12	48	1.1
1-1/2 x 1/2 x 1	33RT1014004010C	34RT1014004010C	1.65	1.35	1.80	18	36	1.0
1-1/2 x 1/2 x 1-1/4	33RT1014004012C	34RT1014004012C	1.81	1.56	1.88	15	30	1.1
1-1/2 x 1/2 x 1-1/2	33RT1014004014C	34RT1014004014C	1.94	1.66	1.94	12	24	1.1
1-1/2 x 3/4	33RT1014006C	34RT1014006C	1.52	1.52	1.75	15	30	1.0
1-1/2 x 3/4 x 1/2	33RT1014006004C	34RT1014006004C	1.35	1.12	1.77	15	30	1.1
1-1/2 x 3/4 x 3/4	33RT1014006006C	34RT1014006006C	1.55	1.35	1.77	15	30	1.1
1-1/2 x 3/4 x 1	33RT1014006010C	34RT1014006010C	1.82	1.35	1.88	15	30	1.0
1-1/2 x 3/4 x 1-1/4	33RT1014006012C	34RT1014006012C	1.94	1.66	1.88	12	24	1.1
1-1/2 x 3/4 x 1-1/2	33RT1014006014C	34RT1014006014C	1.94	1.75	1.94	12	24	1.3
1-1/2 x 1	33RT1014010C	34RT1014010C	1.65	1.65	1.80	15	30	1.2
1-1/2 x 1 x 1/2	33RT1014010004C	34RT1014010004C	1.44	1.25	1.69	15	30	0.8
1-1/2 x 1 x 3/4	33RT1014010006C	34RT1014010006C	1.50	1.44	1.75	15	30	1.2
1-1/2 x 1 x 1	33RT1014010010C	34RT1014010010C	1.65	1.50	1.80	15	30	1.1
1-1/2 x 1 x 1-1/4	33RT1014010012C	34RT1014010012C	1.82	1.67	1.88	12	24	1.2

Fig. 33RT1 & 34RT1 – Reducing Tee, cont.



Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1-1/2 x 1 x 1-1/2	33RT1014010014C	34RT1014010014C	1.94	1.80	1.94	12	24	1.5
1-1/2 x 1-1/4	33RT1014012C	34RT1014012C	1.82	1.82	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1/2	33RT1014012004C	34RT1014012004C	1.41	1.34	1.66	12	24	0.9
1-1/2 x 1-1/4 x 3/4	33RT1014012006C	34RT1014012006C	1.52	1.45	1.75	12	24	1.1
1-1/2 x 1-1/4 x 1	33RT1014012010C	34RT1014012010C	1.65	1.58	1.80	12	24	1.2
1-1/2 x 1-1/4 x 1-1/4	33RT1014012012C	34RT1014012012C	1.82	1.75	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1-1/2	33RT1014012014C	34RT1014012014C	1.94	1.88	1.94	12	24	1.4
1-1/2 x 1-1/4 x 2	33RT1014012020C	34RT1014012020C	2.16	2.10	2.02	8	16	1.9
2 x 3/8	33RT1020003C	34RT1020003C	1.49	1.49	1.88	10	40	1.6
2 x 1/2	33RT1020004C	34RT1020004C	1.49	1.49	1.88	10	20	1.3
2 x 1/2 x 2	33RT1020004020C	34RT1020004020C	2.25	1.88	2.25	8	16	2.0
2 x 3/4	33RT1020006C	34RT1020006C	1.60	1.60	1.97	10	20	1.6
2 x 3/4 x 3/4	33RT1020006006C	34RT1020006006C	1.65	1.31	1.92	12	24	1.5
2 x 3/4 x 2	33RT1020006020C	34RT1020006020C	2.25	1.97	2.25	8	16	2.1
2 x 1	33RT1020010C	34RT1020010C	1.73	1.73	2.02	10	20	1.7
2 x 1 x 1	33RT1020010010C	34RT1020010010C	1.78	1.45	2.08	12	24	1.7
2 x 1 x 1-1/4	33RT1020010012C	34RT1020010012C	1.90	1.75	2.10	10	20	1.6
2 x 1 x 1-1/2	33RT1020010014C	34RT1020010014C	2.10	1.88	2.18	10	20	1.5
2 x 1 x 2	33RT1020010020C	34RT1020010020C	2.25	2.02	2.25	8	16	2.0
2 x 1-1/4	33RT1020012C	34RT1020012C	1.90	1.90	2.10	8	16	1.9
2 x 1-1/4 x 1	33RT1020012010C	34RT1020012010C	1.78	1.65	2.10	10	20	1.5
2 x 1-1/4 x 1-1/4	33RT1020012012C	34RT1020012012C	1.90	1.75	2.10	8	16	1.5
2 x 1-1/4 x 1-1/2	33RT1020012014C	34RT1020012014C	2.00	1.88	2.18	8	16	1.9
2 x 1-1/4 x 2	33RT1020012020C	34RT1020012020C	2.25	2.10	2.25	8	16	2.6
2 x 1-1/2	33RT1020014C	34RT1020014C	2.02	2.02	2.16	8	16	1.9
2 x 1-1/2 x 3/4	33RT1020014006C	34RT1020014006C	1.60	1.52	1.97	10	20	1.6
2 x 1-1/2 x 1	33RT1020014010C	34RT1020014010C	1.73	1.65	2.02	10	20	1.5
2 x 1-1/2 x 1-1/4	33RT1020014012C	34RT1020014012C	1.90	1.82	2.10	8	16	1.8
2 x 1-1/2 x 1-1/2	33RT1020014014C	34RT1020014014C	2.02	1.94	2.16	8	16	1.9
2 x 1-1/2 x 2	33RT1020014020C	34RT1020014020C	2.25	2.16	2.25	8	16	2.6
2-1/2 x 1/2	33RT1024004C	34RT1024004C	1.65	1.65	2.27	-	16	2.4
2-1/2 x 3/4	33RT1024006C	34RT1024006C	1.74	1.74	2.32	-	16	2.4
2-1/2 x 1	33RT1024010C	34RT1024010C	1.87	1.87	2.37	-	16	3.2
2-1/2 x 1-1/4	33RT1024012C	34RT1024012C	2.04	2.04	2.45	-	10	3.1
2-1/2 x 1-1/2	33RT1024014C	34RT1024014C	2.16	2.16	2.51	-	10	3.5
2-1/2 x 1-1/2 x 1-1/2	33RT1024014014C	34RT1024014014C	2.16	1.97	2.51	-	10	2.4
2-1/2 x 1-1/2 x 2	33RT1024014020C	34RT1024014020C	2.39	2.16	2.60	-	10	2.8
2-1/2 x 1-1/2 x 2-1/2	33RT1024014024C	34RT1024014024C	2.70	2.51	2.70	-	10	3.8
2-1/2 x 2	33RT1024020C	34RT1024020C	2.39	2.39	2.60	-	10	4.0
2-1/2 x 2 x 2	33RT1024020020C	34RT1024020020C	2.39	2.25	2.60	-	10	3.7
2-1/2 x 2 x 2-1/2	33RT1024020024C	34RT1024020024C	2.70	2.60	2.70	-	10	3.9
3 x 1/2	33RT1030004C	34RT1030004C	1.80	1.80	2.57	6	12	2.4
3 x 3/4	33RT1030006C	34RT1030006C	1.87	1.87	2.61	-	6	2.4
3 x 1	33RT1030010C	34RT1030010C	2.00	2.00	2.66	-	6	2.6
3 x 1-1/4	33RT1030012C	34RT1030012C	2.17	2.17	2.74	-	6	2.4
3 x 1-1/2	33RT1030014C	34RT1030014C	2.29	2.29	2.80	-	6	2.5
3 x 2	33RT1030020C	34RT1030020C	2.52	2.52	2.89	-	6	2.7
3 x 2 x 2	33RT1030020020C	34RT1030020020C	2.52	2.25	2.89	-	6	4.0
4 x 1/2	33RT1040004C	34RT1040004C	2.03	2.03	3.25	-	4	5.1
4 x 3/4	33RT1040006C	34RT1040006C	2.25	2.25	3.25	-	4	5.4
4 X 1-1/4	33RT1040012C	34RT1040012C	2.41	2.41	3.32	-	4	6.1
4 x 1-1/2	33RT1040014C	34RT1040014C	2.51	2.51	3.32	-	4	7.1
4 x 2	33RT1040020C	34RT1040020C	2.74	2.74	3.41	-	3	7.7
4 x 2-1/2	33RT1040024C	34RT1040024C	3.05	3.05	3.51	-	3	8.6
4 x 3	33RT1040030C	34RT1040030C	3.30	3.30	3.60	-	3	9.5
6 x 2	33RT1060020C	34RT1060020C	3.08	3.08	4.56	-	1	16.4
6 x 2-1/2	33RT1060024C	34RT1060024C	3.39	3.39	4.66	-	1	18.0
6 x 3	33RT1060030C	34RT1060030C	3.64	3.64	4.75	-	1	19.3
6 x 4	33RT1060040C	34RT1060040C	4.13	4.13	4.94	-	1	21.5
6 x 5	33RT1060050C	34RT1060050C	4.53	4.53	5.50	-	1	30.0

c UL us LISTED
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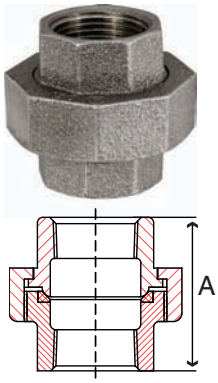
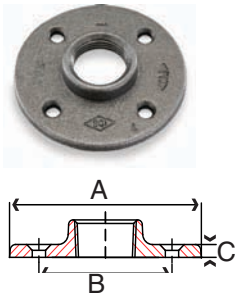
Fig. 33U 1 & 34U 1 – Union with Brass Seat



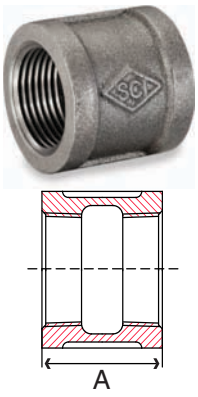
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33U 1001C	34U 1001C	1.32	30	480	0.1
1/4	33U 1002C	34U 1002C	1.44	20	240	0.2
3/8	33U 1003C	34U 1003C	1.61	20	160	0.3
1/2	33U 1004C	34U 1004C	1.72	40	160	0.4
3/4	33U 1006C	34U 1006C	2.02	40	80	0.5
1	33U 1010C	34U 1010C	2.19	30	60	0.9
1-1/4	33U 1012C	34U 1012C	2.26	20	40	1.3
1-1/2	33U 1014C	34U 1014C	2.47	15	30	2.2
2	33U 1020C	34U 1020C	2.75	10	20	3.3
2-1/2	33U 1024C	34U 1024C	3.25	-	10	4.8
3	33U 1030C	34U 1030C	3.54	-	7	6.8
4	33U 1040C	34U 1040C	3.85	-	4	12.2

Fig. 33FF1 & 34FF1 – Floor Flange



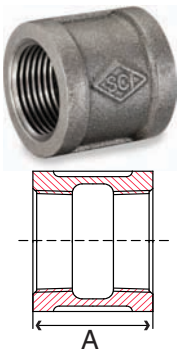
Size	Part Number		A	B	C	Packing		Weight
IN	Black	Galvanized	IN	IN	IN	Inner	Master	LB
1/4	33FF1002C	34FF1002C	2.83	2.00	0.31	50	200	0.1
3/8	33FF1003C	34FF1003C	2.75	1.90	0.26	50	200	0.2
1/2	33FF1004C	34FF1004C	3.00	2.10	0.36	50	200	0.3
3/4	33FF1006C	34FF1006C	3.40	2.40	0.26	30	120	0.4
1	33FF1010C	34FF1010C	3.80	2.80	0.26	20	80	0.5
1-1/4	33FF1012C	34FF1012C	4.20	3.20	0.28	15	60	0.9
1-1/2	33FF1014C	34FF1014C	4.60	3.45	0.30	12	48	1.3
2	33FF1020C	34FF1020C	5.20	4.00	0.30	8	32	2.2
2-1/2	33FF1024C	34FF1024C	6.75	5.00	0.37	6	12	3.3
3	33FF1030C	34FF1030C	7.88	6.00	0.45	5	10	4.8
4	33FF1040C	34FF1040C	9.50	7.00	0.45	-	10	6.8

Fig. 33CP1 & 34CP1 – Banded Coupling



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/8	33CP1001C	34CP1001C	0.96	70	1120	0.05
1/4	33CP1002C	34CP1002C	1.06	40	640	0.1
3/8	33CP1003C	34CP1003C	1.16	40	480	0.1
1/2	33CP1004C	34CP1004C	1.34	40	320	0.2
3/4	33CP1006C	34CP1006C	1.52	50	200	0.3
1	33CP1010C	34CP1010C	1.67	25	100	0.4
1-1/4	33CP1012C	34CP1012C	1.93	20	80	0.6
1-1/2	33CP1014C	34CP1014C	2.15	12	48	0.8
2	33CP1020C	34CP1020C	2.53	12	24	1.3
2-1/2	33CP1024C	34CP1024C	2.88	8	16	2.2
3	33CP1030C	34CP1030C	3.18	8	16	2.8
3-1/2	33CP1034C	34CP1034C	3.50	-	8	3.5
4	33CP1040C	34CP1040C	3.69	-	6	4.6
5	33CP1050C	34CP1050C	3.75	-	3	6.6
6	33CP1060C	34CP1060C	4.75	-	3	11.0

Fig. 33RL1 & 34RL1 – Right and Left Coupling



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/2	33RL1004C	34RL1004C	1.34	40	320	0.2
3/4	33RL1006C	34RL1006C	1.52	50	200	0.3
1	33RL1010C	34RL1010C	1.67	25	100	0.4
1-1/4	33RL1012C	34RL1012C	1.93	20	80	0.6
1-1/2	33RL1014C	34RL1014C	2.15	12	48	0.8
2	33RL1020C	34RL1020C	2.53	12	24	1.3

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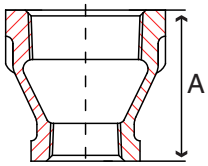
Fig. 33RC1 & 34RC1 – Reducing Coupling



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/4 x 1/8	33RC1002001C	34RC1002001C	1.00	50	600	0.1
3/8 x 1/8	33RC1003001C	34RC1003001C	1.13	35	420	0.1
3/8 x 1/4	33RC1003002C	34RC1003002C	1.13	30	360	0.1
1/2 x 1/8	33RC1004001C	34RC1004001C	1.25	50	400	0.1
1/2 x 1/4	33RC1004002C	34RC1004002C	1.25	50	400	0.1
1/2 x 3/8	33RC1004003C	34RC1004003C	1.25	40	320	0.1
3/4 x 1/8	33RC1006001C	34RC1006001C	1.44	35	280	0.2
3/4 x 1/4	33RC1006002C	34RC1006002C	1.44	30	240	0.2
3/4 x 3/8	33RC1006003C	34RC1006003C	1.44	60	240	0.2
3/4 x 1/2	33RC1006004C	34RC1006004C	1.44	60	240	0.2
1 x 1/4	33RC1010002C	34RC1010002C	1.69	45	180	0.3
1 x 3/8	33RC1010003C	34RC1010003C	1.69	30	120	0.3
1 x 1/2	33RC1010004C	34RC1010004C	1.69	30	120	0.3
1 x 3/4	33RC1010006C	34RC1010006C	1.69	25	100	0.4
1-1/4 x 3/8	33RC1012003C	34RC1012003C	2.06	25	100	0.5
1-1/4 x 1/2	33RC1012004C	34RC1012004C	2.06	25	100	0.5
1-1/4 x 3/4	33RC1012006C	34RC1012006C	2.06	25	100	0.5
1-1/4 x 1	33RC1012010C	34RC1012010C	2.06	15	60	0.5
1-1/2 x 3/8	33RC1014003C	34RC1014003C	2.31	15	60	0.6
1-1/2 x 1/2	33RC1014004C	34RC1014004C	2.31	15	60	0.6
1-1/2 x 3/4	33RC1014006C	34RC1014006C	2.31	15	60	0.6
1-1/2 x 1	33RC1014010C	34RC1014010C	2.31	15	60	0.7
1-1/2 x 1-1/4	33RC1014012C	34RC1014012C	2.31	12	48	0.7
2 x 3/8	33RC1020003C	34RC1020003C	2.81	14	56	0.9
2 x 1/2	33RC1020004C	34RC1020004C	2.81	12	48	0.9
2 x 3/4	33RC1020006C	34RC1020006C	2.81	12	48	1.0
2 x 1	33RC1020010C	34RC1020010C	2.81	12	48	1.0
2 x 1-1/4	33RC1020012C	34RC1020012C	2.81	14	28	1.0
2 x 1-1/2	33RC1020014C	34RC1020014C	2.81	12	24	1.0
2-1/2 x 1/2	33RC1024004C	34RC1024004C	3.25	-	25	1.5
2-1/2 x 3/4	33RC1024006C	34RC1024006C	3.25	-	25	1.5
2-1/2 x 1	33RC1024010C	34RC1024010C	3.25	-	25	1.6
2-1/2 x 1-1/4	33RC1024012C	34RC1024012C	3.25	-	25	1.7
2-1/2 x 1-1/2	33RC1024014C	34RC1024014C	3.25	-	25	1.7
2-1/2 x 2	33RC1024020C	34RC1024020C	3.25	-	25	1.8
3 x 1/2	33RC1030004C	34RC1030004C	3.69	-	20	2.0
3 x 3/4	33RC1030006C	34RC1030006C	3.69	-	20	2.2
3 x 1	33RC1030010C	34RC1030010C	3.69	-	20	2.2
3 x 1-1/4	33RC1030012C	34RC1030012C	3.69	-	20	2.0
3 x 1-1/2	33RC1030014C	34RC1030014C	3.69	-	20	2.2
3 x 2	33RC1030020C	34RC1030020C	3.69	-	18	2.4
3 x 2-1/2	33RC1030024C	34RC1030024C	3.69	-	12	2.5
4 x 1/2	33RC1040004C	34RC1040004C	4.38	-	10	4.0
4 x 3/4	33RC1040006C	34RC1040006C	4.38	-	10	4.0
4 x 1	33RC1040010C	34RC1040010C	4.38	-	10	3.7
4 x 1-1/4	33RC1040012C	34RC1040012C	4.38	-	10	3.7
4 x 1-1/2	33RC1040014C	34RC1040014C	4.38	-	10	4.4
4 x 2	33RC1040020C	34RC1040020C	4.38	-	10	4.4
4 x 2-1/2	33RC1040024C	34RC1040024C	4.38	-	10	4.0
4 x 3	33RC1040030C	34RC1040030C	4.38	-	8	4.2
5 x 2	33RC1050020C	34RC1050020C	4.56	-	4	5.5
5 x 2-1/2	33RC1050024C	34RC1050024C	4.56	-	4	5.5
5 x 3	33RC1050030C	34RC1050030C	4.56	-	4	5.2
5 x 4	33RC1050040C	34RC1050040C	4.56	-	4	9.8
6 x 2	33RC1060020C	34RC1060020C	4.25	-	4	7.5
6 x 2-1/2	33RC1060024C	34RC1060024C	4.25	-	4	7.5
6 x 3	33RC1060030C	34RC1060030C	4.25	-	4	7.9
6 x 4	33RC1060040C	34RC1060040C	4.81	-	3	9.9
6 x 5	33RC1060050C	34RC1060050C	4.25	-	3	8.7
8 x 6	33RC1080060C	34RC1080060C	5.20	-	2	17.1

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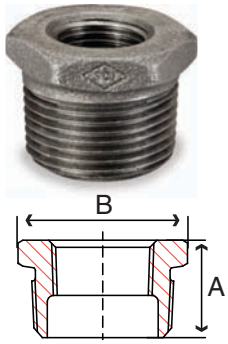
Fig. 33HB1 & 34HB1 – Hex Bushing



Size	Part Number		A	B	Hex	Packing		Weight
IN	Black	Galvanized	IN	IN		Inner	Master	LB
1/4 x 1/8	33HB1002001C	34HB1002001C	0.61	.066	Out	120	1920	0.05
3/8 x 1/8	33HB1003001C	34HB1003001C	0.81	0.73	Out	75	1200	0.05
3/8 x 1/4	33HB1003002C	34HB1003002C	0.81	0.73	Out	75	1200	0.05
1/2 x 1/8	33HB1004001C	34HB1004001C	0.95	0.88	Out	100	800	0.1
1/2 x 1/4	33HB1004002C	34HB1004002C	0.95	0.88	Out	100	800	0.1
1/2 x 3/8	33HB1004003C	34HB1004003C	0.95	0.88	Out	100	800	0.1
3/4 x 1/8	33HB1006001C	34HB1006001C	0.95	1.18	Out	40	320	0.2
3/4 x 1/4	33HB1006002C	34HB1006002C	1.05	1.18	Out	40	320	0.2
3/4 x 3/8	33HB1006003C	34HB1006003C	1.05	1.18	Out	40	320	0.2
3/4 x 1/2	33HB1006004C	34HB1006004C	1.05	1.18	Out	40	320	0.2
1 x 1/8	33HB1010001C	34HB1010001C	1.12	1.15	In	30	240	0.2
1 x 1/4	33HB1010002C	34HB1010002C	1.12	1.15	In	30	240	0.2
1 x 3/8	33HB1010003C	34HB1010003C	1.16	1.40	Out	30	240	0.2
1 x 1/2	33HB1010004C	34HB1010004C	1.16	1.40	Out	30	240	0.2
1 x 3/4	33HB1010006C	34HB1010006C	1.18	1.40	Out	30	240	0.2
1-1/4 x 1/4	33HB1012002C	34HB1012002C	1.16	1.15	In	30	120	0.4
1-1/4 x 3/8	33HB1012003C	34HB1012003C	1.20	1.15	In	30	120	0.4
1-1/4 x 1/2	33HB1012004C	34HB1012004C	1.25	1.38	In	30	120	0.4
1-1/4 x 3/4	33HB1012006C	34HB1012006C	1.25	1.80	Out	30	120	0.3
1-1/4 x 1	33HB1012010C	34HB1012010C	1.25	1.80	Out	30	120	0.3
1-1/2 x 1/8	33HB1014001C	34HB1014001C	1.30	1.18	In	25	100	0.4
1-1/2 x 1/4	33HB1014002C	34HB1014002C	1.30	1.18	In	25	100	0.6
1-1/2 x 3/8	33HB1014003C	34HB1014003C	1.30	1.18	In	25	100	0.6
1-1/2 x 1/2	33HB1014004C	34HB1014004C	1.30	1.40	In	25	100	0.5
1-1/2 x 3/4	33HB1014006C	34HB1014006C	1.30	1.66	In	25	100	0.5
1-1/2 x 1	33HB1014010C	34HB1014010C	1.30	1.95	Out	25	100	0.5
1-1/2 x 1-1/4	33HB1014012C	34HB1014012C	1.30	1.95	Out	25	100	0.3
2 x 1/4	33HB1020002C	34HB1020002C	1.40	1.18	In	20	80	0.7
2 x 3/8	33HB1020003C	34HB1020003C	1.40	1.18	In	20	80	0.8
2 x 1/2	33HB1020004C	34HB1020004C	1.50	1.37	In	20	80	0.9
2 x 3/4	33HB1020006C	34HB1020006C	1.50	1.68	In	20	80	0.9
2 x 1	33HB1020010C	34HB1020010C	1.50	1.97	In	20	80	0.8
2 x 1-1/4	33HB1020012C	34HB1020012C	1.50	2.55	Out	20	80	0.7
2 x 1-1/2	33HB1020014C	34HB1020014C	1.50	2.55	Out	20	80	0.7
2-1/2 x 1/2	33HB1024004C	34HB1024004C	1.70	3.25	Out	15	60	1.5
2-1/2 x 3/4	33HB1024006C	34HB1024006C	1.58	1.65	In	15	60	1.5
2-1/2 x 1	33HB1024010C	34HB1024010C	1.58	2.00	In	15	60	1.5
2-1/2 x 1-1/4	33HB1024012C	34HB1024012C	1.58	2.40	In	15	60	1.4
2-1/2 x 1-1/2	33HB1024014C	34HB1024014C	1.58	2.70	In	12	48	1.4
2-1/2 x 2	33HB1024020C	34HB1024020C	1.65	3.00	Out	12	48	1.1
3 x 1/2	33HB1030004C	34HB1030004C	1.88	3.80	Out	6	24	2.0
3 x 3/4	33HB1030006C	34HB1030006C	1.75	1.70	In	6	24	1.9
3 x 1	33HB1030010C	34HB1030010C	1.70	2.00	In	6	24	2.1
3 x 1-1/4	33HB1030012C	34HB1030012C	1.70	2.40	In	6	24	2.1
3 x 1-1/2	33HB1030014C	34HB1030014C	1.70	2.70	In	6	24	2.2
3 x 2	33HB1030020C	34HB1030020C	1.80	3.70	Out	6	24	2.0
3 x 2-1/2	33HB1030024C	34HB1030024C	1.90	3.90	Out	6	24	1.6
3-1/2 x 1-1/2	33HB1034014C	34HB1034014C	1.75	2.75	In	-	20	1.5
3-1/2 x 2	33HB1034020C	34HB1034020C	1.94	1.80	In	-	20	2.4
3-1/2 x 2-1/2	33HB1034024C	34HB1034024C	1.70	4.30	Out	-	20	2.5
3-1/2 x 3	33HB1034030C	34HB1034030C	1.75	4.60	Out	-	20	1.9
4 x 3/4	33HB1040006C	34HB1040006C	2.00	2.00	In	-	20	4.4
4 x 1	33HB1040010C	34HB1040010C	1.90	2.00	In	-	20	4.5
4 x 1-1/4	33HB1040012C	34HB1040012C	1.90	2.40	In	-	20	2.7
4 x 1-1/2	33HB1040014C	34HB1040014C	1.90	2.70	In	-	20	4.2
4 x 2	33HB1040020C	34HB1040020C	1.90	3.30	In	-	20	3.8
4 x 2-1/2	33HB1040024C	34HB1040024C	2.10	4.70	In	-	20	3.9
4 x 3	33HB1040030C	34HB1040030C	2.10	4.70	Out	-	20	3.3
4 x 3-1/2	33HB1040034C	34HB1040034C	2.33	4.75	Out	-	20	2.5
5 x 2	33HB1050020C	34HB1050020C	2.05	3.30	In	-	10	5.1
5 x 2-1/2	33HB1050024C	34HB1050024C	2.10	4.00	In	-	10	4.8
5 x 3	33HB1050030C	34HB1050030C	2.10	4.70	In	-	10	4.4
5 x 4	33HB1050040C	34HB1050040C	2.10	5.80	Out	-	10	4.0

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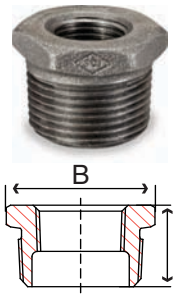


Fig. 33HB1 & 34HB1 – Hex Bushing cont.

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Hex	Packing Inner	Packing Master	Weight LB
6 x 1-1/2	33HB1060014C	34HB1060014C	2.20	3.35	In	-	7	12.0
6 x 2	33HB1060020C	34HB1060020C	2.20	3.35	In	-	7	10.0
6 x 2-1/2	33HB1060024C	34HB1060024C	2.20	3.90	In	-	7	7.9
6 x 3	33HB1060030C	34HB1060030C	2.30	4.70	In	-	7	7.7
6 x 4	33HB1060040C	34HB1060040C	2.30	5.90	In	-	7	6.7
6 x 5	33HB1060050C	34HB1060050C	2.50	7.20	Out	-	7	6.3
8 x 6	33HB1080060C	34HB1080060C	2.75	9.00	Out	-	4	13.1

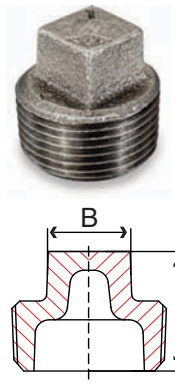


Fig. 33SP1 & 34SP1 – Square Head Plug

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/8	33SP1001C	34SP1001C	0.65	0.30	300	4800	0.01
1/4	33SP1002C	34SP1002C	0.75	0.44	150	2400	0.03
3/8	33SP1003C	34SP1003C	0.85	0.38	100	1600	0.05
1/2	33SP1004C	34SP1004C	1.00	0.53	50	800	0.1
3/4	33SP1006C	34SP1006C	1.15	0.58	30	360	0.1
1	33SP1010C	34SP1010C	1.30	0.71	20	240	0.2
1-1/4	33SP1012C	34SP1012C	1.40	0.90	40	160	0.3
1-1/2	33SP1014C	34SP1014C	1.50	1.10	30	120	0.5
2	33SP1020C	34SP1020C	1.60	1.30	20	80	0.7
2-1/2	33SP1024C	34SP1024C	1.85	1.50	16	64	1.2
3	33SP1030C	34SP1030C	1.95	1.69	16	32	1.7
3-1/2	33SP1034C	34SP1034C	2.10	1.84	-	16	2.5
4	33SP1040C	34SP1040C	2.30	2.16	8	16	3.0
5	33SP1050C	34SP1050C	2.50	2.50	5	10	5.0
6	33SP1060C	34SP1060C	2.80	2.62	-	10	7.3

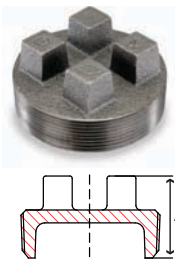


Fig. 33BP1 & 34BP1 – Bar Plug

Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
4	33BP1040C	34BP1040C	2.30	8	16	3.5
5	33BP1050C	34BP1050C	2.45	-	10	5.2
6	33BP1060C	34BP1060C	2.70	-	10	8.3
8	33BP1080C	34BP1080C	3.00	-	4	20.7

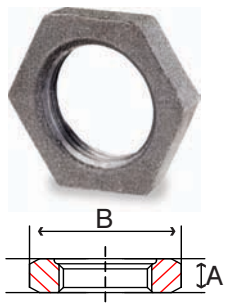


*Fig. 33LN1 & 34LN1 – Lock Nut** *NPSL Threads

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/8	33LN1001C	34LN1001C	0.30	0.71	250	4000	0.03
1/4	33LN1002C	34LN1002C	0.34	0.90	125	2000	0.03
3/8	33LN1003C	34LN1003C	0.30	1.05	125	1500	0.04
1/2	33LN1004C	34LN1004C	0.38	1.27	100	800	0.07
3/4	33LN1006C	34LN1006C	0.40	1.50	60	480	0.1
1	33LN1010C	34LN1010C	0.50	1.88	40	320	0.1
1-1/4	33LN1012C	34LN1012C	0.50	2.15	30	240	0.2
1-1/2	33LN1014C	34LN1014C	0.53	2.56	45	180	0.3
2	33LN1020C	34LN1020C	0.57	3.10	25	100	0.5
2-1/2	33LN1024C	34LN1024C	0.72	4.00	14	56	1.1
3	33LN1030C	34LN1030C	0.80	4.60	20	40	1.4
4	33LN1040C	34LN1040C	0.90	5.80	7	14	2.9

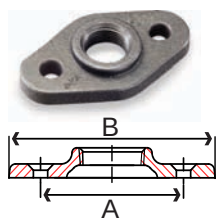
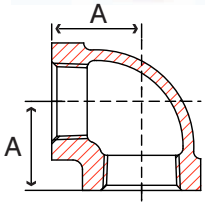


Fig. 33WN1 & 34WN1 – Waste Nut

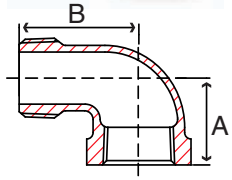
Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/2	33WN1004C	34WN1004C	2.00	3.15	25	200	0.4
3/4	33WN1006C	34WN1006C	2.50	3.87	20	160	0.5

Fig. 33E 3 & 34E 3 – 90° Elbow



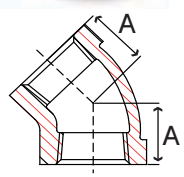
Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
1/4	33E 3002C	34E 3002C	0.94	150	300	0.1
3/8	33E 3003C	34E 3003C	1.06	60	120	0.2
1/2	33E 3004C	34E 3004C	1.25	60	120	0.4
3/4	33E 3006C	34E 3006C	1.44	50	100	0.6
1	33E 3010C	34E 3010C	1.63	20	40	1.0
1-1/4	33E 3012C	34E 3012C	1.94	14	28	1.6
1-1/2	33E 3014C	34E 3014C	2.13	12	24	2.2
2	33E 3020C	34E 3020C	2.50	6	12	3.5
2-1/2	33E 3024C	34E 3024C	2.94	-	8	5.5
3	33E 3030C	34E 3030C	3.38	-	4	8.4
4	33E 3040C	34E 3040C	4.50	-	2	16.2

Fig. 33SE3 & 34SE3 – 90° Street Elbow



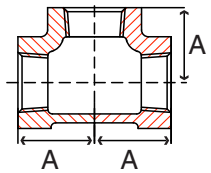
Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/4	33SE3002C	34SE3002C	0.94	1.44	140	280	0.1
3/8	33SE3003C	34SE3003C	1.06	1.63	120	240	0.2
1/2	33SE3004C	34SE3004C	1.25	2.00	60	120	0.3
3/4	33SE3006C	34SE3006C	1.44	2.19	40	80	0.5
1	33SE3010C	34SE3010C	1.63	2.56	30	60	0.9
1-1/4	33SE3012C	34SE3012C	1.94	2.88	18	36	1.5
1-1/2	33SE3014C	34SE3014C	2.13	3.13	12	24	2.0
2	33SE3020C	34SE3020C	2.50	3.69	6	12	3.3
2-1/2	33SE3024C	34SE3024C	2.94	4.50	-	12	5.4
3	33SE3030C	34SE3030C	3.38	5.13	-	4	8.4

Fig. 33F 3 & 34F 3 – 45° Elbow



Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
1/4	33F 3002C	34F 3002C	0.81	120	240	0.1
3/8	33F 3003C	34F 3003C	0.88	100	200	0.2
1/2	33F 3004C	34F 3004C	1.00	60	120	0.3
3/4	33F 3006C	34F 3006C	1.13	60	120	0.6
1	33F 3010C	34F 3010C	1.31	30	60	0.9
1-1/4	33F 3012C	34F 3012C	1.50	12	24	1.5
1-1/2	33F 3014C	34F 3014C	1.69	12	24	2.0
2	33F 3020C	34F 3020C	2.00	6	12	3.2
2-1/2	33F 3024C	34F 3024C	2.25	4	8	5.0
3	33F 3030C	34F 3030C	2.50	-	4	7.5
4	33F 3040C	34F 3040C	2.81	-	2	12.6

Fig. 33T 3 & 34T 3 – Tee



Size IN	Part Number Black	Part Number Galvanized	A IN	Packing Inner	Packing Master	Weight LB
1/4	33T 3002C	34T 3002C	0.94	120	240	0.2
3/8	33T 3003C	34T 3003C	1.06	90	180	0.3
1/2	33T 3004C	34T 3004C	1.25	60	120	0.6
3/4	33T 3006C	34T 3006C	1.44	20	40	0.9
1	33T 3010C	34T 3010C	1.63	20	40	1.4
1-1/4	33T 3012C	34T 3012C	1.94	12	24	2.3
1-1/2	33T 3014C	34T 3014C	2.13	8	16	3.1
2	33T 3020C	34T 3020C	2.50	5	10	4.8
2-1/2	33T 3024C	34T 3024C	2.94	3	6	7.6
3	33T 3030C	34T 3030C	3.38	-	4	11.6
4	33T 3040C	34T 3040C	4.50	-	2	22.6

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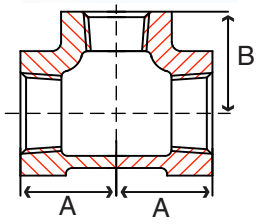
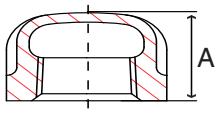
Fig. 33RT3 & 34RT3 – Reducing Tee



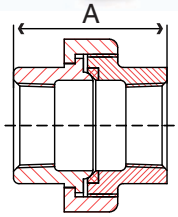
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
3/4 x 1/2	33RT3006004C	34RT3006004C	1.31	1.38	20	40	0.8
1 x 1/2	33RT3010004C	34RT3010004C	1.44	1.50	20	40	1.1
1 x 3/4	33RT3010006C	34RT3010006C	1.50	1.56	20	40	1.2
1-1/4 x 1/2	33RT3012004C	34RT3012004C	1.50	1.69	12	24	1.6
1-1/4 x 3/4	33RT3012006C	34RT3012006C	1.63	1.75	12	24	1.8
1-1/4 x 1	33RT3012010C	34RT3012010C	1.75	1.81	12	24	2.0
1-1/2 x 1/2	33RT3014004C	34RT3014004C	1.63	1.81	8	16	2.1
1-1/2 x 3/4	33RT3014006C	34RT3014006C	1.69	1.88	8	16	2.3
1-1/2 x 1	33RT3014010C	34RT3014010C	1.81	2.00	8	16	2.5
1-1/2 x 1-1/4	33RT3014012C	34RT3014012C	2.00	2.06	8	16	2.8
2 x 1/2	33RT3020004C	34RT3020004C	1.75	2.06	5	10	3.1
2 x 3/4	33RT3020006C	34RT3020006C	1.81	2.13	5	10	3.2
2 x 1	33RT3020010C	34RT3020010C	2.00	2.25	5	10	3.6
2 x 1-1/4	33RT3020012C	34RT3020012C	2.13	2.31	5	10	3.9
2 x 1-1/2	33RT3020014C	34RT3020014C	2.25	2.38	5	10	4.2
2-1/2 x 2	33RT3024020C	34RT3024020C	2.69	2.75	-	8	6.7
3 x 2	33RT3030020C	34RT3030020C	2.81	3.13	-	4	9.1
4 x 2-1/2	33RT3040024C	34RT3040024C	3.70	4.00	2	4	9.5
4 x 3	33RT3040030C	34RT3040030C	4.00	4.25	2	4	10.3

Fig. 33C 3 & 34C 3 – Cap



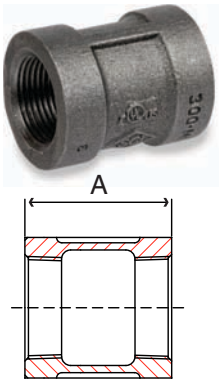
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/4	33C 3002C	34C 3002C	0.78	240	480	0.1
3/8	33C 3003C	34C 3003C	0.83	180	360	0.1
1/2	33C 3004C	34C 3004C	0.98	60	120	0.2
3/4	33C 3006C	34C 3006C	1.08	40	80	0.3
1	33C 3010C	34C 3010C	1.26	25	50	0.5
1-1/4	33C 3012C	34C 3012C	1.38	20	40	0.8
1-1/2	33C 3014C	34C 3014C	1.43	20	40	1.1
2	33C 3020C	34C 3020C	1.68	12	24	1.7
2-1/2	33C 3024C	34C 3024C	2.06	6	12	2.8
3	33C 3030C	34C 3030C	2.17	6	12	4.2
4	33C 3040C	34C 3040C	2.48	3	6	7.2

Fig. 33U 3 & 34U 3 – Union with Brass Seat



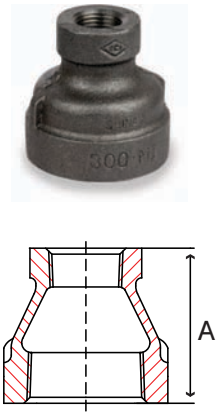
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/4	33U 3002C	34U 3002C	1.55	100	200	0.3
3/8	33U 3003C	34U 3003C	1.71	60	120	0.4
1/2	33U 3004C	34U 3004C	1.81	40	80	0.5
3/4	33U 3006C	34U 3006C	2.12	20	40	0.8
1	33U 3010C	34U 3010C	2.31	25	50	1.1
1-1/4	33U 3012C	34U 3012C	2.66	15	30	1.9
1-1/2	33U 3014C	34U 3014C	2.85	12	24	2.5
2	33U 3020C	34U 3020C	3.23	6	12	3.6
2-1/2	33U 3024C	34U 3024C	3.33	4	8	5.1
3	33U 3030C	34U 3030C	4.09	4	8	7.8
4	33U 3040C	34U 3040C	4.47	-	4	13.1

Fig. 33CP3 & 34CP3 – Banded Coupling



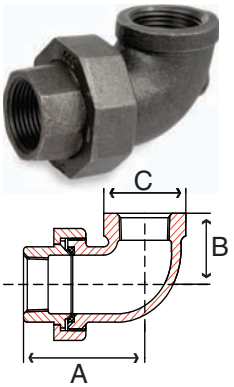
Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
1/4	33CP3002C	34CP3002C	1.37	200	400	0.1
3/8	33CP3003C	34CP3003C	1.62	100	200	0.2
1/2	33CP3004C	34CP3004C	1.87	60	120	0.3
3/4	33CP3006C	34CP3006C	2.12	40	80	0.5
1	33CP3010C	34CP3010C	2.37	40	80	0.9
1-1/4	33CP3012C	34CP3012C	2.87	12	24	1.5
1-1/2	33CP3014C	34CP3014C	2.87	12	24	1.9
2	33CP3020C	34CP3020C	3.62	8	16	3.1
2-1/2	33CP3024C	34CP3024C	4.12	4	8	4.9
3	33CP3030C	34CP3030C	4.12	4	8	6.8
4	33CP3040C	34CP3040C	4.69	-	4	11.3

Fig. 33RC3 & 34RC3 – Reducing Coupling



Size	Part Number		A	Packing		Weight
IN	Black	Galvanized	IN	Inner	Master	LB
3/8 x 1/4	33RC3003002C	34RC3003002C	1.44	100	200	0.2
1/2 x 1/4	33RC3004002C	34RC3004002C	1.69	100	200	0.2
1/2 x 3/8	33RC3004003C	34RC3004003C	1.69	100	200	0.3
3/4 x 3/8	33RC3006003C	34RC3006003C	1.75	30	60	0.4
3/4 x 1/2	33RC3006004C	34RC3006004C	1.75	45	90	0.4
1 x 1/2	33RC3010004C	34RC3010004C	2.00	50	100	0.6
1 x 3/4	33RC3010006C	34RC3010006C	2.00	50	100	0.7
1-1/4 x 1/2	33RC3012004C	34RC3012004C	2.38	25	50	0.9
1-1/4 x 3/4	33RC3012006C	34RC3012006C	2.38	30	60	1.0
1-1/4 x 1	33RC3012010C	34RC3012010C	2.38	30	60	1.1
1-1/2 x 1/2	33RC3014004C	34RC3014004C	2.69	30	60	1.3
1-1/2 x 3/4	33RC3014006C	34RC3014006C	2.69	30	60	1.3
1-1/2 x 1	33RC3014010C	34RC3014010C	2.69	20	40	1.4
1-1/2 x 1-1/4	33RC3014012C	34RC3014012C	2.69	20	40	1.6
2 x 1/2	33RC3020004C	34RC3020004C	3.19	16	32	1.9
2 x 3/4	33RC3020006C	34RC3020006C	3.19	16	32	2.1
2 x 1	33RC3020010C	34RC3020010C	3.19	16	32	2.2
2 x 1-1/4	33RC3020012C	34RC3020012C	3.19	12	24	2.3
2 x 1-1/2	33RC3020014C	34RC3020014C	3.19	12	24	2.5
2-1/2 x 1-1/2	33RC3024014C	34RC3024014C	3.69	4	8	3.6
2-1/2 x 2	33RC3024020C	34RC3024020C	3.69	4	8	3.9
3 x 2	33RC3030020C	34RC3030020C	4.06	-	8	5.6
3 x 2-1/2	33RC3030024C	34RC3030024C	4.06	-	8	5.9
4 x 3	33RC3040030C	34RC3040030C	4.38	-	6	9.2

Fig. 33UE3 & 34UE3 – Union Elbow with Brass Seat



Size	Part Number		A	B	C	Packing		Weight
IN	Black	Galvanized	IN	IN	IN	Inner	Master	LB
1/2	33UE3004C	34UE3004C	2.16	0.98	1.20	40	80	0.3
3/4	33UE3006C	34UE3006C	2.36	1.14	1.46	30	60	0.9
1	33UE3010C	34UE3010C	2.81	1.34	1.77	20	40	1.3
1-1/4	33UE3012C	34UE3012C	3.23	1.61	2.15	10	20	2.0
1-1/2	33UE3014C	34UE3014C	3.53	1.80	2.43	10	20	2.5
2	33UE3020C	34UE3020C	4.10	2.14	2.96	5	10	3.7

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SMITH-COOPER®
INTERNATIONAL

Ductile Iron Threaded Fittings

Specifications

- SCI branded ductile iron threaded fittings are UL Listed and FM Approved at 500 psi
- Rated to 300 WSP
- Ductile iron castings conform to ASTM A536
- Fitting dimensions conform to ASME B16.3
- Bushings and plugs conform to ASME B16.14
- Fittings are 100% air tested
- NPT threads on all fittings conform to ASME B1.20.1
- Independent lab verification that fittings meet applicable chemical & physical properties
- Manufacturing facilities are ISO 9001:2008 and ISO 14001

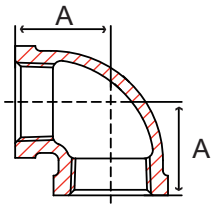
c UL us LISTED

FM APPROVED

Temperature Degrees F	Working Pressure, Nonshock psiG 300# Class Threaded Fittings
-20 to 100	500
150	500
200	480
250	460
300	440
350	420
400	400
450	380
500	360
550	340
600	320
650	300

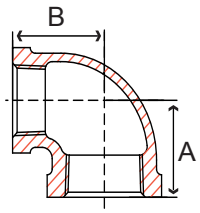
c UL us LISTED
FM APPROVED

Fig. 35E 3 – 90° Elbow



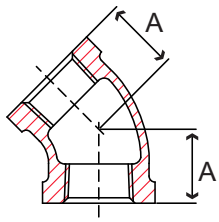
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	35E 3004	1.13	100	200	0.2
3/4	35E 3006	1.31	70	140	0.3
1	35E 3010	1.50	40	80	0.5
1-1/4	35E 3012	1.75	25	50	0.8
1-1/2	35E 3014	1.94	18	36	1.1
2	35E 3020	2.25	10	20	1.8
2-1/2	35E 3024	2.70	4	8	3.2

Fig. 35RE3 – 90° Reducing Elbow



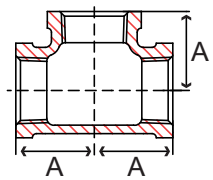
Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
3/4 x 1/2	35RE3006004	1.20	1.22	80	160	0.3
1 x 1/2	35RE3010004	1.26	1.36	70	140	0.4
1 x 3/4	35RE3010006	1.38	1.45	50	100	0.4
1-1/4 x 1/2	35RE3012004	1.34	1.53	35	70	0.5
1-1/4 x 3/4	35RE3012006	1.45	1.63	35	70	0.6
1-1/4 x 1	35RE3012010	1.58	1.67	30	60	0.7
1-1/2 x 1/2	35RE3014004	1.52	1.75	30	60	0.6
1-1/2 x 3/4	35RE3014006	1.52	1.75	25	50	0.7
1-1/2 x 1	35RE3014010	1.65	1.80	20	40	0.8
1-1/2 x 1-1/4	35RE3014012	1.82	1.88	18	36	1.0
2 x 1/2	35RE3020004	1.60	1.97	18	36	1.0
2 x 3/4	35RE3020006	1.60	1.97	18	36	1.0
2 x 1	35RE3020010	1.73	2.02	16	32	1.2
2 x 1-1/4	35RE3020012	1.90	2.10	12	24	1.3
2 x 1-1/2	35RE3020014	2.02	2.16	10	20	1.5
2-1/2 x 1-1/2	35RE3024014	2.16	2.51	6	12	2.2
2-1/2 x 2	35RE3024020	2.39	2.60	6	12	2.5

Fig. 35F 3 – 45° Elbow



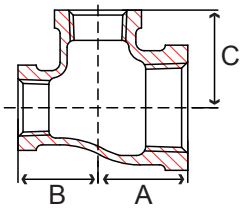
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	35F 3004	0.88	150	300	0.2
3/4	35F 3006	0.98	80	160	0.3
1	35F 3010	1.13	40	80	0.5
1-1/4	35F 3012	1.29	25	50	0.7
1-1/2	35F 3014	1.44	20	40	1.0
2	35F 3020	1.69	10	20	1.6
2-1/2	35F 3024	1.95	4	8	2.7

Fig. 35T 3 – Tee



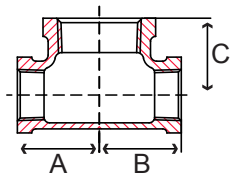
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	35T 3004	1.13	80	160	0.3
3/4	35T 3006	1.31	30	60	0.5
1	35T 3010	1.50	25	50	0.7
1-1/4	35T 3012	1.75	10	20	1.1
1-1/2	35T 3014	1.94	10	20	1.5
2	35T 3020	2.25	6	12	2.4
2-1/2	35T 3024	2.70	4	8	4.3

Fig. 35RT3 – Reducing Tee



Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
3/4 x 1/2	35RT3006004	1.20	1.20	1.22	60	120	0.4
1 x 1/2	35RT3010004	1.26	1.26	1.36	30	60	0.6
1 x 1/2 x 1	35RT3010004010	1.50	1.36	1.50	30	60	0.6
1 x 3/4	35RT3010006	1.38	1.38	1.45	25	50	0.6
1 x 3/4 x 3/4	35RT3010006006	1.38	1.31	1.45	35	70	0.6
1 x 3/4 x 1	35RT3010006010	1.50	1.45	1.50	25	50	0.7
1-1/4 x 1/2	35RT3012004	1.34	1.34	1.53	20	40	0.8
1-1/4 x 1/2 x 1-1/4	35RT3012004012	1.75	1.53	1.75	25	50	0.9
1-1/4 x 3/4	35RT3012006	1.45	1.45	1.62	15	30	0.9
1-1/4 x 3/4 x 1-1/4	35RT3012006012	1.75	1.62	1.75	20	40	1.0
1-1/4 x 1	35RT3012010	1.58	1.58	1.67	15	30	1.0
1-1/4 x 1 x 1/2	35RT3012010004	1.34	1.26	1.53	25	50	0.7
1-1/4 x 1 x 3/4	35RT3012010006	1.45	1.38	1.63	20	40	0.8
1-1/4 x 1 x 1	35RT3012010010	1.58	1.50	1.69	20	40	0.9
1-1/4 x 1 x 1-1/4	35RT3012010012	1.75	1.69	1.75	15	30	1.0
1-1/2 x 1/2	35RT3014004	1.41	1.41	1.66	16	32	1.0
1-1/2 x 1/2 x 1-1/4	35RT3014004012	1.81	1.56	1.88	24	48	1.1
1-1/2 x 1/2 x 1-1/2	35RT3014004014	1.94	1.66	1.94	12	24	1.2
1-1/2 x 3/4	35RT3014006	1.52	1.52	1.75	16	32	1.1
1-1/2 x 3/4 x 1-1/4	35RT3014006012	1.94	1.66	1.88	20	40	1.1
1-1/2 x 3/4 x 1-1/2	35RT3014006014	1.94	1.75	1.94	18	36	1.2
1-1/2 x 1	35RT3014010	1.65	1.65	1.80	12	24	1.2
1-1/2 x 1 x 1/2	35RT3014010004	1.44	1.25	1.69	20	40	0.8
1-1/2 x 1 x 3/4	35RT3014010006	1.50	1.44	1.75	16	32	0.9
1-1/2 x 1 x 1	35RT3014010010	1.65	1.50	1.80	16	32	1.0
1-1/2 x 1 x 1-1/4	35RT3014010012	1.82	1.67	1.88	12	24	1.2
1-1/2 x 1 x 1-1/2	35RT3014010014	1.94	1.80	1.94	12	24	1.3
1-1/2 x 1-1/4	35RT3014012	1.82	1.82	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1/2	35RT3014012004	1.41	1.34	1.66	16	32	0.9
1-1/2 x 1-1/4 x 3/4	35RT3014012006	1.52	1.45	1.75	16	32	1.0
1-1/2 x 1-1/4 x 1	35RT3014012010	1.65	1.58	1.80	16	32	1.1
1-1/2 x 1-1/4 x 1-1/4	35RT3014012012	1.82	1.75	1.88	14	28	1.3
1-1/2 x 1-1/4 x 1-1/2	35RT3014012014	1.94	1.88	1.94	14	28	1.4
2 x 1/2	35RT3020004	1.49	1.49	1.88	10	20	1.5
2 x 3/4	35RT3020006	1.60	1.60	1.97	10	20	1.6
2 x 1	35RT3020010	1.73	1.73	2.02	8	16	1.7
2 x 1 x 2	35RT3020010020	2.25	2.02	2.25	8	16	1.9
2 x 1-1/4	35RT3020012	1.90	1.90	2.10	8	16	1.9
2 x 1-1/4 x 2	35RT3020012020	2.25	2.10	2.25	8	16	2.0
2 x 1-1/2	35RT3020014	2.02	2.02	2.16	8	16	2.1
2 x 1-1/2 x 1/2	35RT3020014004	1.49	1.41	1.88	10	20	1.3
2 x 1-1/2 x 3/4	35RT3020014006	1.60	1.52	1.97	10	20	1.4
2 x 1-1/2 x 1	35RT3020014010	1.73	1.65	2.02	8	16	1.5
2 x 1-1/2 x 1-1/4	35RT3020014012	1.90	1.82	2.10	8	16	1.7
2 x 1-1/2 x 1-1/2	35RT3020014014	2.02	1.94	2.16	8	16	1.8

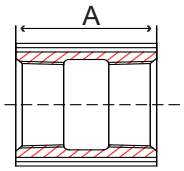
Fig. 35BT3 – Bull Head Tee



Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
3/4 x 1	35BT3006010	1.45	1.45	1.37	30	60	0.6
1 x 1-1/4	35BT3010012	1.67	1.67	1.58	20	40	0.9
1 x 1-1/2	35BT3010014	1.80	1.80	1.65	15	30	1.0
1-1/4 x 1 x 1-1/2	35BT3012010014	1.88	1.80	1.82	15	30	1.2
1-1/4 x 1-1/2	35BT3012014	1.88	1.88	1.82	15	30	1.3
1-1/4 x 2	35BT3012020	2.10	2.10	1.90	10	20	1.6
1-1/2 x 1-1/4 x 2	35BT3014012020	2.16	2.10	2.02	10	20	1.8
1-1/2 x 2	35BT3014020	2.16	2.16	2.02	8	16	1.8

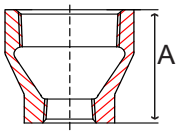
DUCTILE

Fig. 35CP3 – Straight Coupling with Ribs



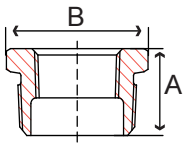
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	35CP3004	1.38	200	400	0.1
3/4	35CP3006	1.63	100	200	0.2
1	35CP3010	1.75	60	120	0.4
1-1/4	35CP3012	2.00	35	70	0.5
1-1/2	35CP3014	2.19	25	50	0.7
2	35CP3020	2.62	15	30	1.2
2-1/2	35CP3024	3.00	9	18	2.2

Fig. 35RC3 – Hex Reducing Coupling



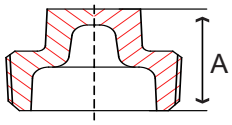
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1 x 1/2	35RC3010004	1.69	80	160	0.3
1 x 3/4	35RC3010006	1.69	60	120	0.4
1-1/4 x 3/4	35RC3012006	2.06	40	80	0.6
2 x 1 (not hex)	35RC3020010	2.81	20	40	1.0

Fig. 35HB3 – Hex Bushing



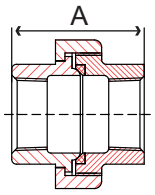
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1 x 1/2	35HB3010004	1.06	180	360	0.2
1 x 3/4	35HB3010006	1.06	180	360	0.1
1-1/4 x 1	35HB3012010	1.19	90	180	0.2
1-1/2 x 1	35HB3014010	1.25	75	150	0.4
1-1/2 x 1-1/4	35HB3014012	1.25	75	150	0.3
2 x 1	35HB3020010	1.38	40	80	0.6
2 x 1-1/4	35HB3020012	1.38	40	80	0.6
2 x 1-1/2	35HB3020014	1.38	40	80	0.6

Fig. 35SP3 – Square Head Plug



Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	35SP3004	0.94	600	1200	0.07
3/4	35SP3006	1.12	350	700	0.1
1	35SP3010	1.25	200	400	0.1
1-1/4	35SP3012	1.37	100	200	0.3
1-1/2	35SP3014	1.44	80	160	0.4
2	35SP3020	1.50	45	90	0.6

Fig. 35U 3 – Union with Brass Seat

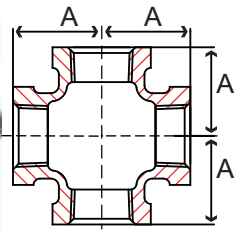


Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1	35U 3010	2.19	20	40	1.0
1-1/4	35U 3012	2.50	15	30	1.2
1-1/2	35U 3014	2.62	10	20	1.7
2	35U 3020	3.12	6	12	2.4

LISTED

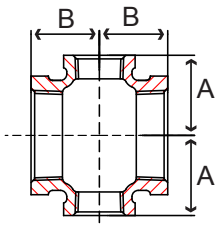
APPROVED

Fig. 35X 3 – Cross



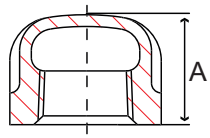
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1	35X 3010	1.50	20	40	0.9
1-1/4	35X 3012	1.75	12	24	1.4
1-1/2	35X 3014	1.94	8	16	1.8
2	35X 3020	2.25	6	12	2.8

Fig. 35RX3 – Reducing Cross



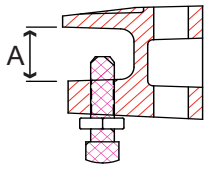
Size IN	Part Number	A IN	B IN	Packing Inner	Packing Master	Weight LB
1-1/4 x 1	35RX3012010	1.67	1.58	15	30	1.2
1-1/2 x 1	35RX3014010	1.80	1.65	12	24	1.4
2 x 1	35RX3020010	2.02	1.73	8	16	2.0

Fig. 35C 3 – Cap



Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/2	35C 3004	0.87	300	600	0.1
3/4	35C 3006	0.97	200	400	0.1
1	35C 3010	1.16	110	220	0.2
1-1/4	35C 3012	1.28	70	140	0.4
1-1/2	35C 3014	1.33	50	100	0.5
2	35C 3020	1.45	25	50	0.8
2-1/2	35C 3024	1.70	18	36	1.6

Fig. 35BC3 – Beam Clamp



Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
3/8	35BC3003	0.75	100	200	0.3
1/2	35BC3004	0.75	80	160	0.5

SMITH-COOPER®
INTERNATIONAL

Cast Iron Threaded Fittings

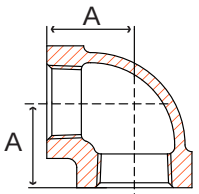
Specifications

- SCI branded cast iron threaded fittings are UL Listed and FM Approved at 300psi
- Rated to 125# WSP
- Casting date on each fitting
- Grey iron castings conform to ASTM A126
- Cast iron fitting dimensions conform to ASME B16.4 Class 125
- NPT threads on fittings conform to ASME B1.20.1
- Cast iron fittings have SCI Trademark and are 100% air tested
- Manufacturing facility is ISO 9001:2008 and ISO 14001

c UL US LISTED

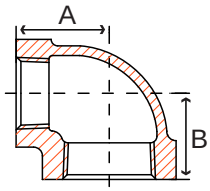
FM APPROVED

Fig. 37E 1 – 90° Elbow



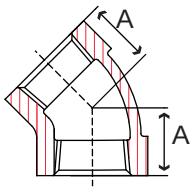
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/2	37E 1004	1.13	90	180	0.3
3/4	37E 1006	1.31	50	100	0.5
1	37E 1010	1.50	35	70	0.8
1-1/4	37E 1012	1.75	20	40	1.3
1-1/2	37E 1014	1.94	15	30	1.7
2	37E 1020	2.25	7	14	2.7
2-1/2	37E 1024	2.70	4	8	4.3

Fig. 37RE1 – 90° Reducing Elbow



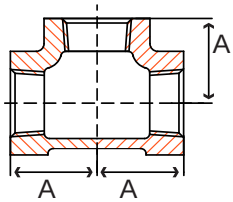
Size IN	Part Number	A IN	B IN	Packing Inner	Packing Master	Weight LB
1 x 1/2	37RE1010004	1.36	1.26	50	100	0.5
1 x 3/4	37RE1010006	1.45	1.38	40	80	0.7
1-1/4 x 1/2	37RE1012004	1.53	1.34	32	64	0.8
1-1/4 x 3/4	37RE1012006	1.63	1.45	28	56	0.9
1-1/4 x 1	37RE1012010	1.67	1.58	25	50	1.0
1-1/2 x 1/2	37RE1014004	1.75	1.52	25	50	1.0
1-1/2 x 3/4	37RE1014006	1.75	1.52	20	40	1.1
1-1/2 x 1	37RE1014010	1.80	1.65	18	36	1.3
1-1/2 x 1-1/4	37RE1014012	1.88	1.82	14	28	1.5
2 x 1/2	37RE1020004	1.97	1.60	15	30	1.4
2 x 3/4	37RE1020006	1.97	1.60	15	30	1.6
2 x 1	37RE1020010	2.02	1.73	12	24	1.8
2 x 1-1/2	37RE1020014	2.16	2.02	10	20	2.3

Fig. 37F 1 – 45° Elbow



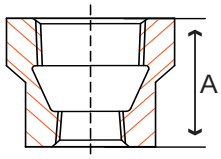
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1	37F 1010	1.26	40	80	0.7
1-1/4	37F 1012	1.29	22	44	1.2
1-1/2	37F 1014	1.44	16	32	1.5
2	37F 1020	1.69	8	16	2.6

Fig. 37T 1 – Tee



Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/2	37T 1004	1.13	60	120	0.4
3/4	37T 1006	1.31	30	60	0.7
1	37T 1010	1.50	20	40	1.1
1-1/4	37T 1012	1.75	12	24	1.8
1-1/2	37T 1014	1.94	8	16	2.4
2	37T 1020	2.25	5	10	3.8

Fig. 37RC1 – Hex Coupling



Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1 x 1/2	37RC1010004	1.69	60	120	0.5
1 x 3/4	37RC1010006	1.69	50	100	0.6
2 x 1 (not hex)	37RC1020010	2.81	16	32	1.5

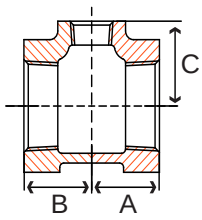


Fig. 37RT1 – Reducing Tee

Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1 x 1/2	37RT1010004	1.26	1.26	1.36	25	50	0.9
1 x 1/2 x 1	37RT1010004010	1.50	1.36	1.50	24	48	0.9
1 x 3/4	37RT1010006	1.38	1.38	1.45	22	44	1.0
1 x 3/4 x 1	37RT1010006010	1.50	1.45	1.50	20	40	1.0
1 x 1-1/4	37RT1010012	1.67	1.67	1.58	15	30	1.4
1-1/4 x 1/2	37RT1012004	1.34	1.34	1.53	18	36	1.3
1-1/4 x 1/2 x 1-1/4	37RT1012004012	1.75	1.53	1.75	18	36	1.4
1-1/4 x 3/4	37RT1012006	1.45	1.45	1.62	15	30	1.4
1-1/4 x 3/4 x 1-1/4	37RT1012006012	1.75	1.62	1.75	15	30	1.5
1-1/4 x 1	37RT1012010	1.58	1.58	1.67	15	30	1.6
1-1/4 x 1 x 1/2	37RT1012010004	1.34	1.26	1.53	20	40	1.1
1-1/4 x 1 x 3/4	37RT1012010006	1.45	1.38	1.63	16	32	1.2
1-1/4 x 1 x 1	37RT1012010010	1.58	1.50	1.69	15	30	1.4
1-1/4 x 1 x 1-1/4	37RT1012010012	1.75	1.69	1.75	12	24	1.6
1-1/4 x 1 x 1-1/2	37RT1012010014	1.88	1.80	1.82	12	24	1.8
1-1/4 x 1-1/2	37RT1012014	1.88	1.88	1.82	10	20	2.0
1-1/2 x 1/2	37RT1014004	1.41	1.41	1.66	12	24	1.6
1-1/2 x 1/2 x 1-1/4	37RT1014004012	1.81	1.56	1.88	12	24	1.7
1-1/2 x 1/2 x 1-1/2	37RT1014004014	1.94	1.66	1.94	12	24	1.8
1-1/2 x 3/4	37RT1014006	1.52	1.52	1.75	12	24	1.8
1-1/2 x 3/4 x 1-1/4	37RT1014006012	1.94	1.66	1.88	12	24	1.7
1-1/2 x 3/4 x 1-1/2	37RT1014006014	1.94	1.75	1.94	12	24	1.9
1-1/2 x 1	37RT1014010	1.65	1.65	1.80	10	20	1.9
1-1/2 x 1 x 1/2	37RT1014010004	1.44	1.25	1.69	18	36	1.3
1-1/2 x 1 x 3/4	37RT1014010006	1.50	1.44	1.75	15	30	1.4
1-1/2 x 1 x 1	37RT1014010010	1.65	1.50	1.80	12	24	1.6
1-1/2 x 1 x 1-1/4	37RT1014010012	1.82	1.67	1.88	10	20	1.8
1-1/2 x 1 x 1-1/2	37RT1014010014	1.94	1.80	1.94	8	16	2.1
1-1/2 x 1-1/4	37RT1014012	1.82	1.82	1.88	8	16	2.2
1-1/2 x 1-1/4 x 1/2	37RT1014012004	1.41	1.34	1.66	15	30	1.5
1-1/2 x 1-1/4 x 3/4	37RT1014012006	1.52	1.45	1.75	12	24	1.6
1-1/2 x 1-1/4 x 1	37RT1014012010	1.65	1.58	1.80	12	24	1.8
1-1/2 x 1-1/4 x 1-1/4	37RT1014012012	1.82	1.75	1.88	10	20	2.1
1-1/2 x 1-1/4 x 1-1/2	37RT1014012014	1.94	1.88	1.94	8	16	2.3
1-1/2 x 1-1/4 x 2	37RT1014012020	2.16	2.10	2.02	6	12	2.7
1-1/2 x 2	37RT1014020	2.16	2.16	2.02	5	10	2.9
2 x 1/2	37RT1020004	1.49	1.49	1.88	8	16	2.6
2 x 3/4	37RT1020006	1.60	1.60	1.97	8	16	2.6
2 x 1	37RT1020010	1.73	1.73	2.02	6	12	2.9
2 x 1 x 2	37RT1020010020	2.25	2.02	2.25	5	10	3.1
2 x 1-1/4	37RT1020012	1.90	1.90	2.10	5	10	3.2
2 x 1-1/4 x 2	37RT1020012020	2.25	2.10	2.25	5	10	3.2
2 x 1-1/2	37RT1020014	2.02	2.02	2.16	5	10	3.3
2 x 1-1/2 x 1/2	37RT1020014004	1.49	1.41	1.88	8	16	2.1
2 x 1-1/2 x 3/4	37RT1020014006	1.60	1.52	1.97	8	16	2.2
2 x 1-1/2 x 1	37RT1020014010	1.73	1.65	2.02	8	16	2.4
2 x 1-1/2 x 1-1/4	37RT1020014012	1.90	1.82	2.10	7	14	2.7
2 x 1-1/2 x 1-1/2	37RT1020014014	2.02	1.94	2.16	7	14	2.9
2 x 1-1/2 x 2	37RT1020014020	2.25	2.16	2.25	5	10	3.4
2 x 2-1/2	37RT1020024	2.60	2.60	2.39	3	6	4.6

SMITH-COOPER®
INTERNATIONAL

Flanged Fittings and Flanges

Flanged Fittings Class 125 & 250 Specifications

- Flanged fittings UL Listed through 12”
- Grey iron castings conform to ASTM A126 and ASTM A48
- Flanged fitting dimensions conform to ASME B16.1 and ANSI/AWWA C110/A21.10
- Manufacturing facility is ISO 9001:2008
- Flanged fittings made of 150# ductile iron for sizes 6” and below
- Galvanizing available upon request

Class 125 & 250 Cast Flanges Specifications

- Grey iron castings conform to ASTM A126 and ASTM A48
- Companion flange dimensions conform to ASME B16.1
- Hot-dipped galvanized flanges conform to ASTM A153
- Companion flanges threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008

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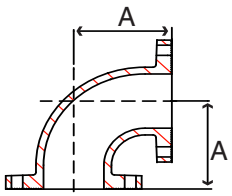
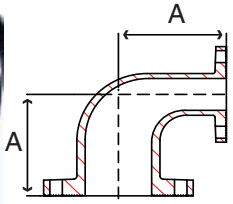
Fig. 38E 1 – 90° Elbow



Size IN	Part Number	Materials	A IN	Weight LB
1-1/4	38E 1012D	150 lb. Ductile Iron	3.75	9
1-1/2	38E 1014D	150 lb. Ductile Iron	4.00	9
2	38E 1020D	150 lb. Ductile Iron	4.50	14
2-1/2	38E 1024D	150 lb. Ductile Iron	5.00	19
3	38E 1030D	150 lb. Ductile Iron	5.50	25
3-1/2	38E 1034D	150 lb. Ductile Iron	6.00	25
4	38E 1040D	150 lb. Ductile Iron	6.50	45
5	38E 1050D	150 lb. Ductile Iron	7.50	52
6	38E 1060D	150 lb. Ductile Iron	8.00	65
8	38E 1080	125 lb. Cast Iron	9.00	105
10	38E 1100	125 lb. Cast Iron	11.00	165
12	38E 1120	125 lb. Cast Iron	12.00	255
14	38E 1140	125 lb. Cast Iron	14.00	353
16	38E 1160	125 lb. Cast Iron	15.00	430
18	38E 1180	125 lb. Cast Iron	16.50	450
20	38E 1200	125 lb. Cast Iron	18.00	580
24	38E 1240	125 lb. Cast Iron	22.00	900

Fig. 38RE1 – 90° Reducing Elbow



Size IN	Part Number	Materials	A IN	Weight LB
2 x 1-1/2	38RE1020014D	150 lb. Ductile Iron	4.50	22
3 x 1-1/2	38RE1030014D	150 lb. Ductile Iron	5.50	22
3 x 2	38RE1030020D	150 lb. Ductile Iron	5.50	22
3 x 2-1/2	38RE1030024D	150 lb. Ductile Iron	5.50	22
4 x 2	38RE1040020D	150 lb. Ductile Iron	6.50	29
4 x 2-1/2	38RE1040024D	150 lb. Ductile Iron	6.50	31
4 x 3	38RE1040030D	150 lb. Ductile Iron	6.50	29
5 x 2	38RE1050020D	150 lb. Ductile Iron	7.50	50
5 x 2-1/2	38RE1050024D	150 lb. Ductile Iron	7.50	50
5 x 4	38RE1050040D	150 lb. Ductile Iron	7.50	50
6 x 2	38RE1060020D	150 lb. Ductile Iron	8.00	42
6 x 2-1/2	38RE1060024D	150 lb. Ductile Iron	8.00	45
6 x 3	38RE1060030D	150 lb. Ductile Iron	8.00	50
6 x 4	38RE1060040D	150 lb. Ductile Iron	8.00	55
6 x 5	38RE1060050D	150 lb. Ductile Iron	8.00	65
8 x 4	38RE1080040	125 lb. Cast Iron	9.00	80
8 x 5	38RE1080050	125 lb. Cast Iron	9.00	85
8 x 6	38RE1080060	125 lb. Cast Iron	9.00	85
10 x 4	38RE1100040	125 lb. Cast Iron	11.00	110
10 x 6	38RE1100060	125 lb. Cast Iron	11.00	130
10 x 8	38RE1100080	125 lb. Cast Iron	11.00	150
12 x 6	38RE1120060	125 lb. Cast Iron	12.00	188
12 x 8	38RE1120080	125 lb. Cast Iron	12.00	185
12 x 10	38RE1120100	125 lb. Cast Iron	12.00	210
14 x 12	38RE1140120	125 lb. Cast Iron	14.00	275
16 x 12	38RE1160120	125 lb. Cast Iron	15.00	310

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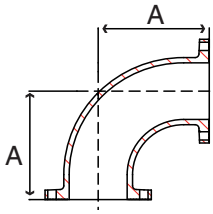
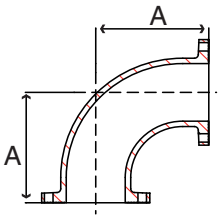
Fig. 38LE1 – 90° Long Radius Elbow



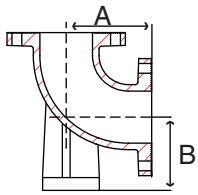
Size IN	Part Number	Materials	A IN	Weight LB
3	38LE1030D	150 lb. Ductile Iron	7.75	30
4	38LE1040D	150 lb. Ductile Iron	9.00	50
6	38LE1060D	150 lb. Ductile Iron	11.50	85
8	38LE1080	125 lb. Cast Iron	14.00	145
10	38LE1100	125 lb. Cast Iron	16.50	225
12	38LE1120	125 lb. Cast Iron	19.00	325
14	38LE1140	125 lb. Cast Iron	21.50	385
16	38LE1160	125 lb. Cast Iron	24.00	400
18	38LE1180	125 lb. Cast Iron	26.50	630
20	38LE1200	125 lb. Cast Iron	29.00	810
24	38LE1240	125 lb. Cast Iron	34.00	1,240

Fig. 38LE1 – 90° Reducing Long Radius Elbow



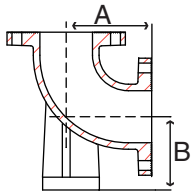
Size IN	Part Number	Materials	A IN	Weight LB
10 x 8	38LE1100080	125 lb. Cast Iron	16.50	185
12 x 10	38LE1120100	125 lb. Cast Iron	19.00	360

Fig. 38BE1 – 90° Base Elbow



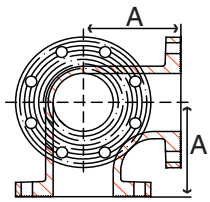
Size IN	Part Number	Materials	A IN	B IN	Weight LB
2	38BE1020D	150 lb. Ductile Iron	4.50	4.12	19
2-1/2	38BE1024D	150 lb. Ductile Iron	5.00	4.50	29
3	38BE1030D	150 lb. Ductile Iron	5.50	4.88	35
4	38BE1040D	150 lb. Ductile Iron	6.50	5.50	55
6	38BE1060D	150 lb. Ductile Iron	8.00	7.00	85
8	38BE1080	125 lb. Cast Iron	9.00	8.75	145
10	38BE1100	125 lb. Cast Iron	11.00	9.75	220
12	38BE1120	125 lb. Cast Iron	12.00	11.25	324
14	38BE1140	125 lb. Cast Iron	14.00	12.50	375
16	38BE1160	125 lb. Cast Iron	15.00	13.75	445

Fig. 38BE1 – 90° Reducing Base Elbow



Size IN	Part Number	Materials	A IN	B IN	Weight LB
6 x 3	38BE1060030D	150 lb. Ductile Iron	8.00	7.00	74
6 x 4	38BE1060040D	150 lb. Ductile Iron	8.00	7.00	76
6 x 5	38BE1060050D	150 lb. Ductile Iron	8.00	7.00	84
8 x 6	38BE1080060	125 lb. Cast Iron	9.00	8.75	120

Fig. 38OE1 – 90° Side Outlet Elbow



Size IN	Part Number	Materials	A IN	Weight LB
4	38OE1040D	150 lb. Ductile Iron	6.50	60
6	38OE1060D	150 lb. Ductile Iron	8.00	95

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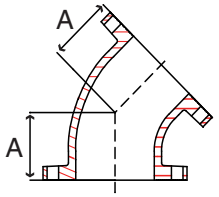
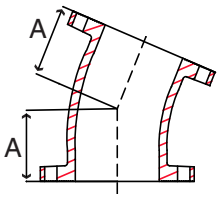
Fig. 38F 1 – 45° Elbow



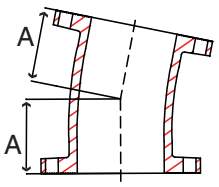
Size IN	Part Number	Materials	A IN	Weight LB
2	38F 1020D	150 lb. Ductile Iron	2.50	12
2-1/2	38F 1024D	150 lb. Ductile Iron	3.00	17
3	38F 1030D	150 lb. Ductile Iron	3.00	20
4	38F 1040D	150 lb. Ductile Iron	4.00	40
5	38F 1050D	150 lb. Ductile Iron	4.50	45
6	38F 1060D	150 lb. Ductile Iron	5.00	55
8	38F 1080	125 lb. Cast Iron	5.50	90
10	38F 1100	125 lb. Cast Iron	6.50	135
12	38F 1120	125 lb. Cast Iron	7.50	220
14	38F 1140	125 lb. Cast Iron	7.50	220
16	38F 1160	125 lb. Cast Iron	8.00	280
18	38F 1180	125 lb. Cast Iron	8.50	325
20	38F 1200	125 lb. Cast Iron	9.50	430
24	38F 1240	125 lb. Cast Iron	11.00	630

Fig. 38TT1 – 22-1/2° Elbow



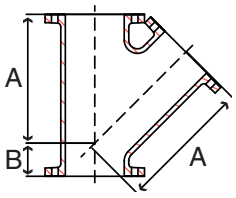
Size IN	Part Number	Materials	A IN	Weight LB
4	38TT1040D	150 lb. Ductile Iron	4.00	40
6	38TT1060D	150 lb. Ductile Iron	5.00	55
8	38TT1080	125 lb. Cast Iron	5.50	90
10	38TT1100	125 lb. Cast Iron	6.50	130
12	38TT1120	125 lb. Cast Iron	7.50	195

Fig. 38EL1 – 11-1/4° Elbow



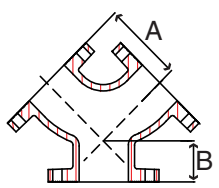
Size IN	Part Number	Materials	A IN	Weight LB
3	38EL1030D	150 lb. Ductile Iron	3.00	20
4	38EL1040D	150 lb. Ductile Iron	4.00	40
6	38EL1060D	150 lb. Ductile Iron	5.00	55
8	38EL1080	125 lb. Cast Iron	5.50	90
10	38EL1100	125 lb. Cast Iron	6.50	135
12	38EL1120	125 lb. Cast Iron	7.50	205

Fig. 38LT1 – Lateral



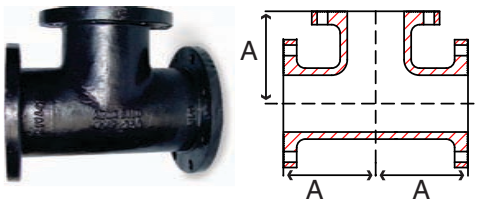
Size IN	Part Number	Materials	A IN	B IN	Weight LB
3	38LT1030D	150 lb. Ductile Iron	10.00	3.00	45
4	38LT1040D	150 lb. Ductile Iron	12.00	3.00	75
6	38LT1060D	150 lb. Ductile Iron	14.50	3.50	120
8	38LT1080	125 lb. Cast Iron	17.50	4.50	200
10	38LT1100	125 lb. Cast Iron	20.50	5.00	335
12	38LT1120	125 lb. Cast Iron	24.50	5.50	515
16	38LT1160	125 lb. Cast Iron	30.00	6.50	805

Fig. 38Y 1 – Wye



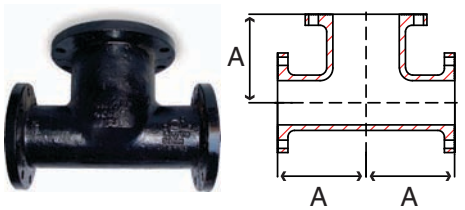
Size IN	Part Number	Materials	A IN	B IN	Weight LB
4	38Y 1040D	150 lb. Ductile Iron	6.50	3.00	66
6	38Y 1060D	150 lb. Ductile Iron	8.00	3.50	101
12	38Y 1120	125 lb. Cast Iron	12.00	5.50	265

Fig. 38T 1 – Tee



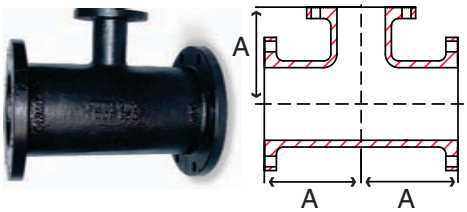
Size IN	Part Number	Materials	A IN	Weight LB
2	38T 1020D	150 lb. Ductile Iron	4.50	20
2-1/2	38T 1024D	150 lb. Ductile Iron	5.00	30
3	38T 1030D	150 lb. Ductile Iron	5.50	40
4	38T 1040D	150 lb. Ductile Iron	6.50	65
5	38T 1050D	150 lb. Ductile Iron	7.50	85
6	38T 1060D	150 lb. Ductile Iron	8.00	95
8	38T 1080	125 lb. Cast Iron	9.00	155
10	38T 1100	125 lb. Cast Iron	11.00	270
12	38T 1120	125 lb. Cast Iron	12.00	385
14	38T 1140	125 lb. Cast Iron	14.00	435
16	38T 1160	125 lb. Cast Iron	15.00	550
18	38T 1180	125 lb. Cast Iron	16.50	665
20	38T 1200	125 lb. Cast Iron	18.00	855
24	38T 1240	125 lb. Cast Iron	22.00	1,330

Fig. 38BT1 – Bull Head Tee



Size IN	Part Number	Materials	A IN	Weight LB
4 x 6	38BT1040060D	150 lb. Ductile Iron	8.00	88
6 x 8	38BT1060080	125 lb. Cast Iron	9.00	142
8 x 10	38BT1080100	125 lb. Cast Iron	11.00	240

Fig. 38RT1 – Reducing Tee



Size IN	Part Number	Materials	A IN	Weight LB
2 x 1-1/2	38RT1020014D	150 lb. Ductile Iron	4.50	29
2-1/2 x 1	38RT1024010D	150 lb. Ductile Iron	5.00	29
2-1/2 x 1-1/2	38RT1024014D	150 lb. Ductile Iron	5.00	29
2-1/2 x 2 x 2	38RT1024020020D	150 lb. Ductile Iron	5.00	29
2-1/2 x 2	38RT1024020D	150 lb. Ductile Iron	5.00	50
3 x 1	38RT1030010D	150 lb. Ductile Iron	5.50	25
3 x 1-1/2	38RT1030014D	150 lb. Ductile Iron	5.50	38
3 x 2	38RT1030020D	150 lb. Ductile Iron	5.50	35
3 x 2-1/2	38RT1030024D	150 lb. Ductile Iron	5.50	34
4 x 1-1/2	38RT1040014D	150 lb. Ductile Iron	6.50	55
4 x 2 x 4	38RT1040020040D	150 lb. Ductile Iron	6.50	50
4 x 2	38RT1040020D	150 lb. Ductile Iron	6.50	50
4 x 2-1/2	38RT1040024D	150 lb. Ductile Iron	6.50	55
4 x 3	38RT1040030D	150 lb. Ductile Iron	6.50	60
4 x 3-1/2	38RT1040034D	150 lb. Ductile Iron	6.50	55
5 x 2	38RT1050020D	150 lb. Ductile Iron	7.50	85
5 x 2-1/2	38RT1050024D	150 lb. Ductile Iron	7.50	85
5 x 3	38RT1050030D	150 lb. Ductile Iron	7.50	85
5 x 3-1/2	38RT1050034D	150 lb. Ductile Iron	7.50	85
5 x 4 x 4	38RT1050040040D	150 lb. Ductile Iron	7.50	80
5 x 4	38RT1050040D	150 lb. Ductile Iron	7.50	85

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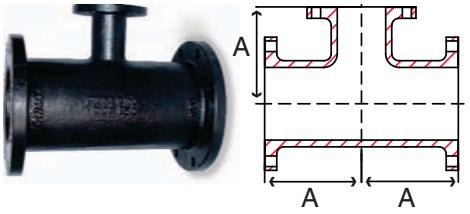

Fig. 38RT1 – Reducing Tee cont.

Size IN	Part Number	Materials	A IN	Weight LB
6 x 2	38RT1060020D	150 lb. Ductile Iron	8.00	85
6 x 2-1/2	38RT1060024D	150 lb. Ductile Iron	8.00	90
6 x 3 x 3	38RT1060030030D	150 lb. Ductile Iron	8.00	85
6 x 3 x 5	38RT1060030050D	150 lb. Ductile Iron	8.00	85
6 x 3	38RT1060030D	150 lb. Ductile Iron	8.00	85
6 x 4 x 4	38RT1060040040D	150 lb. Ductile Iron	8.00	90
6 x 4 x 5	38RT1060040050D	150 lb. Ductile Iron	8.00	85
6 x 4 x 6	38RT1060040060D	150 lb. Ductile Iron	8.00	95
6 x 4	38RT1060040D	150 lb. Ductile Iron	8.00	90
6 x 5 x 3	38RT1060050030D	150 lb. Ductile Iron	8.00	85
6 x 5 x 5	38RT1060050050D	150 lb. Ductile Iron	8.00	85
6 x 5 x 6	38RT1060050060D	150 lb. Ductile Iron	8.00	105
6 x 5	38RT1060050D	150 lb. Ductile Iron	8.00	110
8 x 2-1/2	38RT1080024	125 lb. Cast Iron	9.00	120
8 x 3	38RT1080030	125 lb. Cast Iron	9.00	135
8 x 4	38RT1080040	125 lb. Cast Iron	9.00	135
8 x 4 x 8	38RT1080040080	125 lb. Cast Iron	9.00	140
8 x 5	38RT1080050	125 lb. Cast Iron	9.00	149
8 x 6	38RT1080060	125 lb. Cast Iron	9.00	145
8 x 6 x 6	38RT1080060060	125 lb. Cast Iron	9.00	145
8 x 6 x 8	38RT1080060080	125 lb. Cast Iron	9.00	160
10 x 3	38RT1100030	125 lb. Cast Iron	11.00	210
10 x 4	38RT1100040	125 lb. Cast Iron	11.00	202
10 x 6	38RT1100060	125 lb. Cast Iron	11.00	215
10 x 8	38RT1100080	125 lb. Cast Iron	11.00	225
10 x 8 x 8	38RT1100080080	125 lb. Cast Iron	11.00	240
10 x 8 x 10	38RT1100080100	125 lb. Cast Iron	11.00	262
10 x 10	38RT1120100	125 lb. Cast Iron	11.00	360
12 x 4	38RT1120040	125 lb. Cast Iron	12.00	290
12 x 5	38RT1120050	125 lb. Cast Iron	12.00	310
12 x 6	38RT1120060	125 lb. Cast Iron	12.00	295
12 x 8	38RT1120080	125 lb. Cast Iron	12.00	310
14 x 4	38RT1140040	125 lb. Cast Iron	14.00	410
14 x 6	38RT1140060	125 lb. Cast Iron	14.00	375
14 x 8	38RT1140080	125 lb. Cast Iron	14.00	390
14 x 10	38RT1140100	125 lb. Cast Iron	14.00	400
14 x 12	38RT1140120	125 lb. Cast Iron	14.00	425
16 x 4	38RT1160040	125 lb. Cast Iron	15.00	230
16 x 8	38RT1160080	125 lb. Cast Iron	15.00	475
16 x 10	38RT1160100	125 lb. Cast Iron	15.00	495
16 x 12	38RT1160120	125 lb. Cast Iron	15.00	520
16 x 14	38RT1160140	125 lb. Cast Iron	15.00	530
18 x 6	38RT1180060	125 lb. Cast Iron	13.00	480
18 x 8	38RT1180080	125 lb. Cast Iron	13.00	495
18 x 12	38RT1180120	125 lb. Cast Iron	13.00	535
20 x 6	38RT1200060	125 lb. Cast Iron	14.00	610
20 x 10	38RT1200100	125 lb. Cast Iron	14.00	635

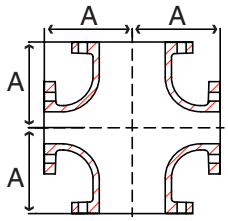

Fig. 38RX1 – Reducing Cross

Size IN	Part Number	Materials	A IN	Weight LB
6 x 4	38RX1060040D	150 lb. Ductile Iron	8.00	110
6 x 5	38RX1060050D	150 lb. Ductile Iron	8.00	110
8 x 4	38RX1080040	125 lb. Cast Iron	9.00	155
8 x 6	38RX1080060	125 lb. Cast Iron	9.00	165
10 x 4	38RX1100040	125 lb. Cast Iron	11.00	220
10 x 6	38RX1100060	125 lb. Cast Iron	11.00	240
10 x 8	38RX1100080	125 lb. Cast Iron	11.00	265
12 x 4	38RX1120040	125 lb. Cast Iron	12.00	310
12 x 6	38RX1120060	125 lb. Cast Iron	12.00	320
12 x 8	38RX1120080	125 lb. Cast Iron	12.00	345
12 x 10	38RX1120100	125 lb. Cast Iron	12.00	415
14 x 6	38RX1140060	125 lb. Cast Iron	14.00	425
14 x 8	38RX1140080	125 lb. Cast Iron	14.00	425
14 x 10	38RX1140100	125 lb. Cast Iron	14.00	460
14 x 12	38RX1140120	125 lb. Cast Iron	14.00	505
16 x 6	38RX1160060	125 lb. Cast Iron	15.00	490
16 x 8	38RX1160080	125 lb. Cast Iron	15.00	520
16 x 10	38RX1160100	125 lb. Cast Iron	15.00	555
16 x 12	38RX1160120	125 lb. Cast Iron	15.00	605
16 x 14	38RX1160140	125 lb. Cast Iron	15.00	620
18 x 6	38RX1180060	125 lb. Cast Iron	13.00	610
18 x 8	38RX1180080	125 lb. Cast Iron	13.00	610
18 x 10	38RX1180100	125 lb. Cast Iron	13.00	560
18 x 12	38RX1180120	125 lb. Cast Iron	13.00	610
18 x 14	38RX1180140	125 lb. Cast Iron	16.50	680
18 x 16	38RX1180160	125 lb. Cast Iron	16.50	700
20 x 6	38RX1200060	125 lb. Cast Iron	14.00	745
20 x 8	38RX1200080	125 lb. Cast Iron	14.00	760
20 x 10	38RX1200100	125 lb. Cast Iron	14.00	685
20 x 12	38RX1200120	125 lb. Cast Iron	14.00	735
20 x 14	38RX1200140	125 lb. Cast Iron	14.00	745
20 x 16	38RX1200160	125 lb. Cast Iron	18.00	915
20 x 18	38RX1200180	125 lb. Cast Iron	18.00	945
24 x 10	38RX1240100	125 lb. Cast Iron	15.00	895
24 x 12	38RX1240120	125 lb. Cast Iron	15.00	960
24 x 18	38RX1240180	125 lb. Cast Iron	22.00	1365

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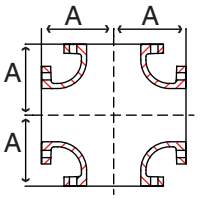
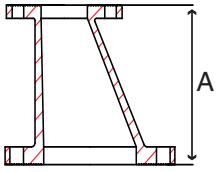
Fig. 38X 1 – Cross



Size IN	Part Number	Materials	A IN	Weight LB
2-1/2	38X 1024D	150 lb. Ductile Iron	5.00	37
3	38X 1030D	150 lb. Ductile Iron	5.50	50
4	38X 1040D	150 lb. Ductile Iron	6.50	80
6	38X 1060D	150 lb. Ductile Iron	8.00	120
8	38X 1080	125 lb. Cast Iron	9.00	195
10	38X 1100	125 lb. Cast Iron	11.00	330
12	38X 1120	125 lb. Cast Iron	12.00	460
14	38X 1140	125 lb. Cast Iron	14.00	530
16	38X 1160	125 lb. Cast Iron	15.00	665
18	38X 1180	125 lb. Cast Iron	16.50	795
20	38X 1200	125 lb. Cast Iron	18.00	1,001
24	38X 1240	125 lb. Cast Iron	22.00	1,570

Fig. 38ER1 – Eccentric Reducer



Size IN	Part Number	Materials	A IN	Weight LB
3 x 2	38ER1030020D	150 lb. Ductile Iron	6.00	16
3 x 2-1/2	38ER1030024D	150 lb. Ductile Iron	6.00	20
4 x 2	38ER1040020D	150 lb. Ductile Iron	7.00	25
4 x 2-1/2	38ER1040024D	150 lb. Ductile Iron	7.00	28
4 x 3	38ER1040030D	150 lb. Ductile Iron	7.00	30
5 x 2-1/2	38ER1050024D	150 lb. Ductile Iron	8.00	35
5 x 3	38ER1050030D	150 lb. Ductile Iron	8.00	35
5 x 4	38ER1050040D	150 lb. Ductile Iron	8.00	39
6 x 2	38ER1060020D	150 lb. Ductile Iron	9.00	35
6 x 2-1/2	38ER1060024D	150 lb. Ductile Iron	9.00	38
6 x 3	38ER1060030D	150 lb. Ductile Iron	9.00	40
6 x 4	38ER1060040D	150 lb. Ductile Iron	9.00	45
6 x 5	38ER1060050D	150 lb. Ductile Iron	9.00	50
8 x 4	38ER1080040	125 lb. Cast Iron	11.00	65
8 x 5	38ER1080050	125 lb. Cast Iron	11.00	70
8 x 6	38ER1080060	125 lb. Cast Iron	11.00	75
10 x 4	38ER1100040	125 lb. Cast Iron	12.00	85
10 x 6	38ER1100060	125 lb. Cast Iron	12.00	90
10 x 8	38ER1100080	125 lb. Cast Iron	12.00	110
12 x 6	38ER1120060	125 lb. Cast Iron	14.00	130
12 x 8	38ER1120080	125 lb. Cast Iron	14.00	150
12 x 10	38ER1120100	125 lb. Cast Iron	14.00	170
14 x 10	38ER1140100	125 lb. Cast Iron	16.00	190
14 x 12	38ER1140120	125 lb. Cast Iron	16.00	220
16 x 12	38ER1160120	125 lb. Cast Iron	18.00	285
20 x 14	38ER1200140	125 lb. Cast Iron	20.00	355

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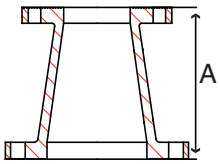

Fig. 38CR1 – Concentric Reducer

Size IN	Part Number	Materials	A IN	Weight LB
2 x 1-1/2	38CR1020014D	125 lb. Ducyile Iron	5.00	12
2-1/2 x 2	38CR1024020D	150 lb. Ductile Iron	5.50	14
3 x 1-1/2	38CR1030014D	150 lb. Ductile Iron	6.00	15
3 x 2	38CR1030020D	150 lb. Ductile Iron	6.00	16
3 x 2-1/2	38CR1030024D	150 lb. Ductile Iron	6.00	20
4 x 2	38CR1040020D	150 lb. Ductile Iron	7.00	25
4 x 2-1/2	38CR1040024D	150 lb. Ductile Iron	7.00	28
4 x 3	38CR1040030D	150 lb. Ductile Iron	7.00	30
5 x 2	38CR1050020D	150 lb. Ductile Iron	8.00	26
5 x 2-1/2	38CR1050024D	150 lb. Ductile Iron	8.00	31
5 x 3	38CR1050030D	150 lb. Ductile Iron	8.00	32
5 x 3-1/2	38CR1050034D	150 lb. Ductile Iron	8.00	32
5 x 4	38CR1050040D	150 lb. Ductile Iron	8.00	39
6 x 1-1/2	38CR1060014D	150 lb. Ductile Iron	9.00	34
6 x 2	38CR1060020D	150 lb. Ductile Iron	9.00	34
6 x 2-1/2	38CR1060024D	150 lb. Ductile Iron	9.00	38
6 x 3	38CR1060030D	150 lb. Ductile Iron	9.00	40
6 x 4	38CR1060040D	150 lb. Ductile Iron	9.00	45
6 x 5	38CR1060050D	150 lb. Ductile Iron	9.00	50
8 x 3	38CR1080030	125 lb. Cast Iron	11.00	60
8 x 4	38CR1080040	125 lb. Cast Iron	11.00	65
8 x 5	38CR1080050	125 lb. Cast Iron	11.00	70
8 x 6	38CR1080060	125 lb. Cast Iron	11.00	75
10 x 3	38CR1100030	125 lb. Cast Iron	12.00	85
10 x 4	38CR1100040	125 lb. Cast Iron	12.00	85
10 x 6	38CR1100060	125 lb. Cast Iron	12.00	93
10 x 8	38CR1100080	125 lb. Cast Iron	12.00	109
12 x 4	38CR1120040	125 lb. Cast Iron	14.00	130
12 x 6	38CR1120060	125 lb. Cast Iron	14.00	130
12 x 8	38CR1120080	125 lb. Cast Iron	14.00	151
12 x 10	38CR1120100	125 lb. Cast Iron	14.00	170
14 x 6	38CR1140060	125 lb. Cast Iron	16.00	185
14 x 8	38CR1140080	125 lb. Cast Iron	16.00	175
14 x 10	38CR1140100	125 lb. Cast Iron	16.00	194
14 x 12	38CR1140120	125 lb. Cast Iron	16.00	223
16 x 6	38CR1160060	125 lb. Cast Iron	18.00	190
16 x 8	38CR1160080	125 lb. Cast Iron	18.00	210
16 x 10	38CR1160100	125 lb. Cast Iron	18.00	258
16 x 12	38CR1160120	125 lb. Cast Iron	18.00	310
16 x 14	38CR1160140	125 lb. Cast Iron	18.00	279
18 x 6	38CR1180060	125 lb. Cast Iron	19.00	195
18 x 8	38CR1180080	125 lb. Cast Iron	19.00	240
18 x 10	38CR1180100	125 lb. Cast Iron	19.00	265
18 x 12	38CR1180120	125 lb. Cast Iron	19.00	295
18 x 14	38CR1180140	125 lb. Cast Iron	19.00	310
18 x 16	38CR1180160	125 lb. Cast Iron	19.00	340
20 x 6	38CR1200060	125 lb. Cast Iron	20.00	345
20 x 8	38CR1200080	125 lb. Cast Iron	20.00	345
20 x 10	38CR1200100	125 lb. Cast Iron	20.00	345
20 x 12	38CR1200120	125 lb. Cast Iron	20.00	345
20 x 14	38CR1200140	125 lb. Cast Iron	20.00	355
20 x 16	38CR1200160	125 lb. Cast Iron	20.00	390
20 x 18	38CR1200180	125 lb. Cast Iron	20.00	410
24 x 8	38CR1240080	125 lb. Cast Iron	24.00	420
24 x 10	38CR1240100	125 lb. Cast Iron	24.00	460
24 x 12	38CR1240120	125 lb. Cast Iron	24.00	480
24 x 14	38CR1240140	125 lb. Cast Iron	24.00	490
24 x 16	38CR1240160	125 lb. Cast Iron	24.00	525
24 x 18	38CR1240180	125 lb. Cast Iron	24.00	550
24 x 20	38CR1240200	125 lb. Cast Iron	24.00	590

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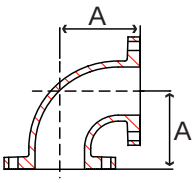
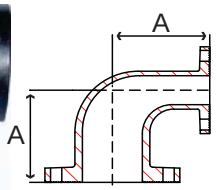
Fig. 38E 2 – 90° Elbow



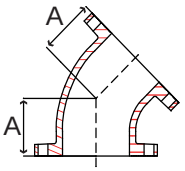
Size IN	Part Number	Materials	A IN	Weight LB
3	38E 2030	250 lb. Cast Iron	6.00	40
4	38E 2040	250 lb. Cast Iron	7.00	65
6	38E 2060	250 lb. Cast Iron	8.50	105
8	38E 2080	250 lb. Cast Iron	10.00	185
10	38E 2100	250 lb. Cast Iron	11.50	296
12	38E 2120	250 lb. Cast Iron	13.00	410

Fig. 38RE2 – 90° Reducing Elbow



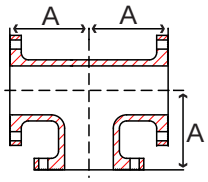
Size IN	Part Number	Materials	A IN	Weight LB
3 x 2-1/2	38RE2030024	250 lb. Cast Iron	6.00	35
4 x 2-1/2	38RE2040024	250 lb. Cast Iron	7.00	48
6 x 4	38RE2060040	250 lb. Cast Iron	8.50	95
8 x 6	38RE2080060	250 lb. Cast Iron	10.00	161
10 x 8	38RE2100080	250 lb. Cast Iron	11.50	240

Fig. 38F 2 – 45° Elbow



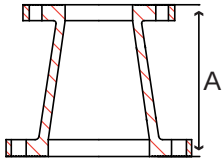
Size IN	Part Number	Materials	A IN	Weight LB
3	38F 2030	250 lb. Cast Iron	3.50	35
4	38F 2040	250 lb. Cast Iron	4.50	58
6	38F 2060	250 lb. Cast Iron	5.50	103
8	38F 2080	250 lb. Cast Iron	6.00	158

Fig. 38T 2 – Tee



Size IN	Part Number	Materials	A IN	Weight LB
2-1/2	38T 2024	250 lb. Cast Iron	5.50	46
3	38T 2030	250 lb. Cast Iron	6.00	58
4	38T 2040	250 lb. Cast Iron	7.00	99
5	38T 2050	250 lb. Cast Iron	8.00	135
6	38T 2060	250 lb. Cast Iron	8.50	180
8	38T 2080	250 lb. Cast Iron	10.00	280
10	38T 2100	250 lb. Cast Iron	11.50	430
12	38T 2120	250 lb. Cast Iron	13.00	620

Fig. 38CR2 – Concentric Reducer



Size IN	Part Number	Materials	A IN	Weight LB
3 x 2	38CR2030020	250 lb. Cast Iron	6.00	25
3 x 2-1/2	38CR2030024	250 lb. Cast Iron	6.00	29
4 x 2	38CR2040020	250 lb. Cast Iron	7.00	36
4 x 3	38CR2040030	250 lb. Cast Iron	7.00	45
6 x 4	38CR2060040	250 lb. Cast Iron	9.00	77
6 x 5	38CR2060050	250 lb. Cast Iron	9.00	85
8 x 6	38CR2080060	250 lb. Cast Iron	11.00	130
10 x 8	38CR2100080	250 lb. Cast Iron	12.00	190
12 x 10	38CR2120100	250 lb. Cast Iron	14.00	268

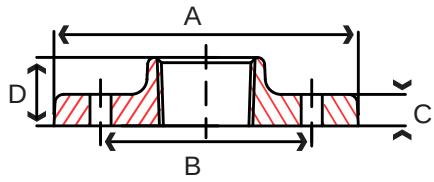


Fig. 17TH1 & 18TH1 – 125 lb. Threaded Companion Flange

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	C IN	D IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
1/2	17TH1004	18TH1004	3.50	2.38	0.50	0.75	5/8	4	1
3/4	17TH1006	18TH1006	3.89	2.75	0.50	0.75	5/8	4	1
1	17TH1010	18TH1010	4.25	3.12	0.44	0.75	5/8	4	1
1-1/4	17TH1012	18TH1012	4.62	3.50	0.50	0.81	5/8	4	2
1-1/2	17TH1014	18TH1014	5.00	3.88	0.56	0.88	5/8	4	3
2	17TH1020	18TH1020	6.00	4.75	0.62	1.00	3/4	4	4
2-1/2	17TH1024	18TH1024	7.00	5.50	0.69	1.12	3/4	4	6
3	17TH1030	18TH1030	7.50	6.00	0.75	1.19	3/4	4	8
4	17TH1040	18TH1040	9.00	7.50	0.94	1.31	3/4	8	12
5	17TH1050	18TH1050	10.00	8.50	0.94	1.44	7/8	8	14
6	17TH1060	18TH1060	11.00	9.50	1.00	1.56	7/8	8	16
8	17TH1080	18TH1080	13.50	11.75	1.12	1.75	7/8	8	28
10	17TH1100	18TH1100	16.00	14.25	1.19	1.94	1	12	38
12	17TH1120	18TH1120	19.00	17.00	1.25	2.19	1	12	55

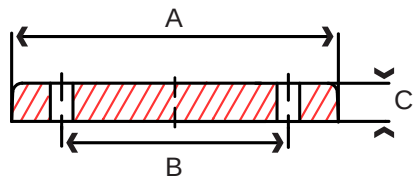


Fig. 17BL1 & 18TH1 – 125 lb. Blind Flange

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	C IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
1	17BL1010	18BL1010	4.25	3.12	0.44	5/8	4	2
1-1/4	17BL1012	18BL1012	4.62	3.50	0.50	5/8	4	2
1-1/2	17BL1014	18BL1014	5.00	3.88	0.56	5/8	4	4
2	17BL1020	18BL1020	6.00	4.75	0.62	3/4	4	5
2-1/2	17BL1024	18BL1024	7.00	5.50	0.69	3/4	4	7
3	17BL1030	18BL1030	7.50	6.00	0.75	3/4	4	9
3-1/2	17BL1034	18BL1034	8.50	7.00	0.81	3/4	8	14
4	17BL1040	18BL1040	9.00	7.50	0.94	3/4	8	15
5	17BL1050	18BL1050	10.00	8.50	0.94	7/8	8	18
6	17BL1060	18BL1060	11.00	9.50	1.00	7/8	8	23
8	17BL1080	18BL1080	13.50	11.75	1.12	7/8	8	37
10	17BL1100	18BL1100	16.00	14.25	1.19	1	12	59
12	17BL1120	18BL1120	19.00	17.00	1.25	1	12	89
14	17BL1140	-	21.00	18.75	1.38	1-1/8	12	101
16	17BL1160	-	23.50	21.25	1.44	1-1/8	16	152
18	17BL1180	-	25.00	22.75	1.56	1-1/4	16	172
20	17BL1200	-	27.50	25.00	1.69	1-1/4	20	226
24	17BL1240	-	32.00	29.50	1.88	1-3/8	20	355
30	17BL1300	-	38.75	36.00	2.12	1-3/8	28	425

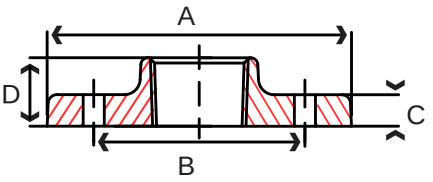


Fig. 17RT1 & 18RT1 – 125 lb. Reducing Companion Flange

Size	Part Number		A	B	C	D	Bolt Hole	Number of	Weight
IN	Black	Galvanized	IN	IN	IN	IN	Size	Bolt Holes	LB
1 x 4-5/8	17RT1010045	-	4.62	3.50	0.50	0.81	5/8	4	3
1 x 5	17RT1010050	-	5.00	3.88	0.56	0.88	5/8	4	3
1 x 7	17RT1010070	-	7.00	5.50	0.69	1.12	3/4	4	7
1-1/4 x 6	17RT1012060	-	6.00	6.00	0.75	1.00	3/4	4	4
1-1/2 x 6	17RT1014060	18RT1014060	6.00	6.00	0.75	1.00	3/4	4	4
1-1/2 x 7	17RT1014070	18RT1014070	7.00	5.50	0.69	1.12	3/4	4	6
1-1/2 x 7-1/2	17RT1014074	-	7.50	6.00	0.75	1.19	3/4	4	9
1-1/2 x 9	17RT1014090	-	9.00	7.50	0.94	1.31	3/4	8	15
1-1/2 x 10	17RT1014100	-	10.00	8.50	0.94	1.44	7/8	8	19
1-1/2 x 11	17RT1014110	-	11.00	9.50	1.00	1.56	7/8	8	24
2 x 7	17RT1020070	18RT1020070	7.00	5.50	0.69	1.12	3/4	4	7
2 x 7-1/2	17RT1020074	18RT1020074	7.50	6.00	0.75	1.19	3/4	4	8
2 x 8-1/2	17RT1020084	-	8.50	7.00	0.81	1.25	3/4	8	10
2 x 9	17RT1020090	18RT1020090	9.00	7.50	0.94	1.31	3/4	8	16
2 x 10	17RT1020100	-	10.00	8.50	0.94	1.44	7/8	8	17
2 x 11	17RT1020110	18RT1020110	11.00	9.50	1.00	1.56	7/8	8	23
2 x 13-1/2	17RT1020134	-	13.50	11.75	1.12	1.75	7/8	8	44
2 x 16	17RT1020160	-	16.00	14.25	1.19	1.94	1	12	60
2 x 19	17RT1020190	-	19.00	17.00	1.25	2.19	1	12	87
2-1/2 x 7-1/2	17RT1024074	18RT1024074	7.50	6.00	0.75	1.19	3/4	4	8
2-1/2 x 9	17RT1024090	18RT1024090	9.00	7.50	0.94	1.31	3/4	8	13
2-1/2 x 10	17RT1024100	-	10.00	8.50	0.94	1.44	7/8	8	18
2-1/2 x 11	17RT1024110	18RT1024110	11.00	9.50	1.00	1.56	7/8	8	22
2-1/2 x 13-1/2	17RT1024134	-	13.50	11.75	1.12	1.75	7/8	8	40
3 x 9	17RT1030090	18RT1030090	9.00	7.50	0.94	1.31	3/4	8	13
3 x 10	17RT1030100	-	10.00	8.50	0.94	1.44	7/8	8	17
3 x 11	17RT1030110	-	11.00	9.50	1.00	1.56	7/8	8	21
3 x 13-1/2	17RT1030134	-	13.50	11.75	1.12	1.75	7/8	8	37
3-1/2 x 11	17RT1034110	-	11.00	9.50	1.00	1.56	7/8	8	22
3-1/2 x 13-1/2	17RT1034134	-	13.50	11.75	1.12	1.75	7/8	8	39
4 x 10	17RT1040100	18RT1040100	10.00	8.50	0.94	1.44	7/8	8	14
4 x 11	17RT1040110	18RT1040110	11.00	9.50	1.00	1.56	7/8	8	21
4 x 13-1/2	17RT1040134	18RT1040134	13.50	11.75	1.12	1.75	7/8	8	35
5 x 11	17RT1050110	18RT1050110	11.00	9.50	1.00	1.56	7/8	8	20
5 x 13-1/2	17RT1050134	-	13.50	11.75	1.12	1.75	7/8	8	32
6 x 13-1/2	17RT1060134	18RT1060134	13.50	11.75	1.12	1.75	7/8	8	30
6 x 16	17RT1060160	-	16.00	14.25	1.19	1.94	1	12	55
8 x 16	17RT1080160	-	16.00	14.25	1.19	1.94	1	12	45
8 x 19	17RT1080190	-	19.00	17.00	1.25	2.19	1	12	76
10 x 19	17RT1100190	-	19.00	17.00	1.25	2.19	1	12	68

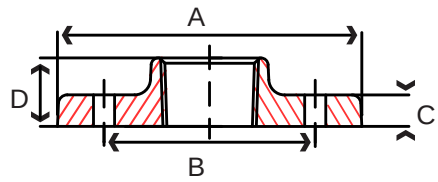


Fig. 17HF1 – 125 lb. Threaded Hydrant Flange

Size IN	Part Number Black	A IN	B IN	C IN	D IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
6	17HF1060	11.00	9.50	1.00	1.56	7/8	6	16

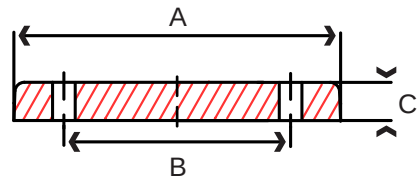


Fig. 17HB1 – 125 lb. Blind Hydrant Flange

Size IN	Part Number Black	A IN	B IN	C IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
6	17HB1060	11.00	9.50	1.00	7/8	6	26

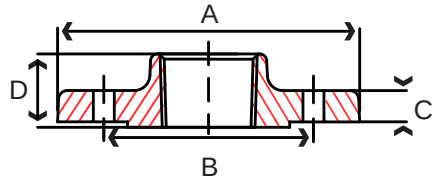


Fig. 17TH2 & 18TH2 – 250 lb. Threaded Companion Flange

Size IN	Part Number Black	Part Number Galvanized	A IN	B IN	C IN	D IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
2	17TH2020	18TH2020	6.50	5.00	0.88	1.25	3/4	8	7
2-1/2	17TH2024	18TH2024	7.50	5.88	1.00	1.43	5/8	8	10
3	17TH2030	18TH2030	8.25	6.62	1.12	1.56	5/8	8	14
4	17TH2040	18TH2040	10.00	7.88	1.25	1.75	5/8	8	24
6	17TH2060	-	12.50	10.60	1.44	1.94	5/8	12	39
8	17TH2080	-	15.00	13.00	1.62	2.19	1	12	58

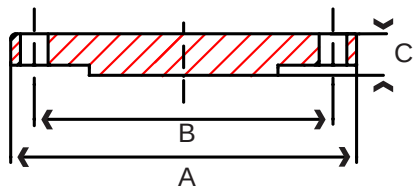


Fig. 17BL2 – 250 lb. Blind Flange

Size IN	Part Number Black	A IN	B IN	C IN	Bolt Hole Size	Number of Bolt Holes	Weight LB
2	17BL2020	6.50	5.00	0.88	3/4	8	8
2-1/2	17BL2024	7.50	5.88	1.00	7/8	8	12
3	17BL2030	8.25	6.62	1.12	7/8	8	16
4	17BL2040	10.00	7.88	1.25	7/8	8	27
5	17BL2050	11.00	9.25	1.38	7/8	8	35
6	17BL2060	12.50	10.60	1.44	7/8	12	50
8	17BL2080	15.00	13.00	1.62	1	12	81
10	17BL2100	17.50	15.25	1.88	1-1/8	16	115

All 250 lb. Flanges have 1/16 raised face

SMITH-COOPER®
INTERNATIONAL

Forged Carbon Steel Fittings and Outlets

Specifications

- Forged carbon steel fitting material conforms to ASTM SA105N, NORMALIZED
- Canadian Registration Numbers available at www.smithcooper.com
- Forged carbon steel fitting dimensions conform to ASME B16.11
- Forged carbon steel fitting dimensions listed are either minimums or set by the factory per ASME B16.11 contact SCI for exact dimensional information
- NPT threads on forged steel fittings conform to ASME B1.20.1
- Forged carbon steel socket weld inserts conform to MSS-SP-79
- Forged carbon steel unions conform to MSS-SP-83
- Forged carbon steel outlet fittings conform to MSS-SP-97
- Manufacturing facility is ISO 9001:2008

2000#, 3000# or 6000#

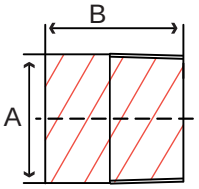


Fig. 42RP3 – Round Head Plug

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	42RP3004	0.84	1.75	150	0.2
3/4	42RP3006	1.06	1.75	100	0.4
1	42RP3010	1.31	2.00	80	0.7
1-1/4	42RP3012	1.69	2.00	50	1.2
1-1/2	42RP3014	1.91	2.00	30	1.7
2	42RP3020	2.38	2.50	20	3.2

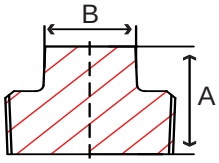


Fig. 42SP3 – Square Head Plug

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42SP3001	0.63	0.28	800	0.02
1/4	42SP3002	0.69	0.38	800	0.02
3/8	42SP3003	0.81	0.44	500	0.06
1/2	42SP3004	0.94	0.56	300	0.1
3/4	42SP3006	1.06	0.62	200	0.2
1	42SP3010	1.25	0.81	150	0.3
1-1/4	42SP3012	1.37	0.94	80	0.5
1-1/2	42SP3014	1.43	1.12	50	0.8
2	42SP3020	1.57	1.31	30	1.3
2-1/2	42SP3024	1.81	1.50	15	2.1
3	42SP3030	1.93	1.69	10	3.3
4	42SP3040	2.25	2.50	3	8.4

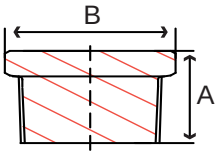


Fig. 42HP3 – Hex Head Plug

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42HP3001	0.63	0.44	800	0.02
1/4	42HP3002	0.69	0.62	800	0.06
3/8	42HP3003	0.81	0.69	600	0.08
1/2	42HP3004	0.87	0.88	250	0.1
3/4	42HP3006	1.00	1.06	150	0.3
1	42HP3010	1.13	1.38	100	0.4
1-1/4	42HP3012	1.37	1.75	35	0.9
1-1/2	42HP3014	1.43	2.00	25	1.3
2	42HP3020	1.57	2.50	20	2.2
2-1/2	42HP3024	1.81	3.00	8	3.9
3	42HP3030	1.93	3.50	6	5.7
4	42HP3040	2.25	4.62	4	11.4

2000#, 3000# or 6000#

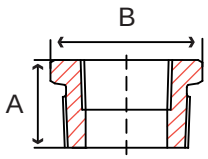
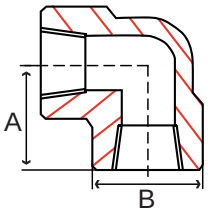


Fig. 42HB3 – Hex Bushing

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4 x 1/8	42HB3002001	0.56	0.62	600	0.02
3/8 x 1/8	42HB3003001	0.66	0.69	500	0.02
3/8 x 1/4	42HB3003002	0.66	0.69	500	0.02
1/2 x 1/8	42HB3004001	0.75	0.88	400	0.06
1/2 x 1/4	42HB3004002	0.75	0.88	400	0.06
1/2 x 3/8	42HB3004003	0.75	0.88	400	0.06
3/4 x 1/8	42HB3006001	0.84	1.06	200	0.1
3/4 x 1/4	42HB3006002	0.84	1.06	200	0.1
3/4 x 3/8	42HB3006003	0.84	1.06	200	0.1
3/4 x 1/2	42HB3006004	0.84	1.06	200	0.1
1 x 1/8	42HB3010001	1.00	1.38	100	0.2
1 x 1/4	42HB3010002	1.00	1.38	100	0.2
1 x 3/8	42HB3010003	1.00	1.38	100	0.2
1 x 1/2	42HB3010004	1.00	1.38	100	0.2
1 x 3/4	42HB3010006	1.00	1.38	100	0.2
1-1/4 x 1/8	42HB3012001	1.09	1.75	70	0.8
1-1/4 x 1/4	42HB3012002	1.09	1.75	70	0.3
1-1/4 x 3/8	42HB3012003	1.09	1.75	70	0.3
1-1/4 x 1/2	42HB3012004	1.09	1.75	70	0.5
1-1/4 x 3/4	42HB3012006	1.09	1.75	70	0.5
1-1/4 x 1	42HB3012010	1.09	1.75	70	0.5
1-1/2 x 1/8	42HB3014001	1.12	2.00	50	1.3
1-1/2 x 1/4	42HB3014002	1.12	2.00	50	1.3
1-1/2 x 3/8	42HB3014003	1.12	2.00	50	1.3
1-1/2 x 1/2	42HB3014004	1.12	2.00	50	1.0
1-1/2 x 3/4	42HB3014006	1.12	2.00	50	0.8
1-1/2 x 1	42HB3014010	1.12	2.00	50	0.7
1-1/2 x 1-1/4	42HB3014012	1.12	2.00	50	0.7
2 x 1/4	42HB3020002	1.22	2.50	25	0.8
2 x 3/8	42HB3020003	1.22	2.50	25	1.8
2 x 1/2	42HB3020004	1.22	2.50	25	1.7
2 x 3/4	42HB3020006	1.22	2.50	25	1.6
2 x 1	42HB3020010	1.22	2.50	25	1.5
2 x 1-1/4	42HB3020012	1.22	2.50	25	0.9
2 x 1-1/2	42HB3020014	1.22	2.50	25	0.9
2-1/2 x 1/2	42HB3024004	1.44	3.00	15	1.1
2-1/2 x 3/4	42HB3024006	1.44	3.00	15	1.1
2-1/2 x 1	42HB3024010	1.44	3.00	15	1.1
2-1/2 x 1-1/4	42HB3024012	1.44	3.00	15	1.1
2-1/2 x 1-1/2	42HB3024014	1.44	3.00	15	1.3
2-1/2 x 2	42HB3024020	1.44	3.00	15	1.3
3 x 1/4	42HB3030002	1.53	3.50	10	5.3
3 x 1/2	42HB3030004	1.53	3.50	10	5.2
3 x 3/4	42HB3030006	1.53	3.50	10	4.6
3 x 1	42HB3030010	1.53	3.50	10	5.0
3 x 1-1/4	42HB3030012	1.53	3.50	10	3.4
3 x 1-1/2	42HB3030014	1.53	3.50	10	3.1
3 x 2	42HB3030020	1.53	3.50	10	2.7
3 x 2-1/2	42HB3030024	1.53	3.50	10	2.3
4 x 1	42HB3040010	1.75	4.62	5	9.4
4 x 1-1/4	42HB3040012	1.75	4.62	5	8.5
4 x 1-1/2	42HB3040014	1.75	4.62	5	7.6
4 x 2	42HB3040020	1.75	4.62	5	6.7
4 x 2-1/2	42HB3040024	1.75	4.62	5	5.7
4 x 3	42HB3040030	1.75	4.62	5	4.7

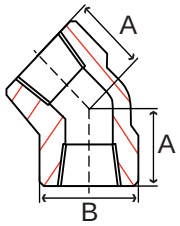
2000#

Fig. 42E 2 – 90° Elbow



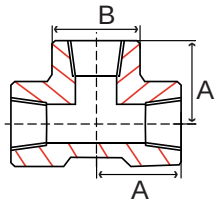
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42E 2001	0.81	0.88	150	0.2
1/4	42E 2002	0.81	0.88	150	0.2
3/8	42E 2003	0.97	1.00	100	0.3
1/2	42E 2004	1.12	1.31	80	0.5
3/4	42E 2006	1.31	1.50	50	0.7
1	42E 2010	1.50	1.81	30	1.1
1-1/4	42E 2012	1.75	2.19	20	1.8
1-1/2	42E 2014	2.00	2.44	15	2.3
2	42E 2020	2.38	2.97	8	3.7
2-1/2	42E 2024	3.00	3.62	4	6.9
3	42E 2030	3.38	4.31	2	10.0
4	42E 2040	4.19	5.75	1	22.5

Fig. 42F 2 – 45° Elbow



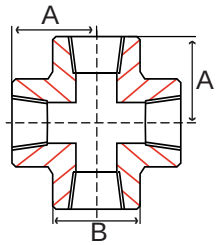
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4	42F 2002	0.69	0.88	150	0.2
3/8	42F 2003	0.75	1.00	100	0.2
1/2	42F 2004	0.88	1.31	80	0.4
3/4	42F 2006	1.00	1.50	50	0.5
1	42F 2010	1.12	1.81	30	0.9
1-1/4	42F 2012	1.31	2.19	20	1.4
1-1/2	42F 2014	1.38	2.44	15	1.8
2	42F 2020	1.69	2.97	10	3.1
2-1/2	42F 2024	2.06	3.62	6	7.6
3	42F 2030	2.50	4.31	2	11.9
4	42F 2040	3.12	5.75	2	19.7

Fig. 42T 2 – Tee



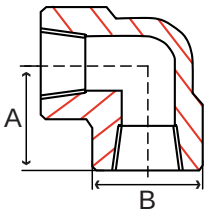
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4	42T 2002	0.81	0.88	100	0.2
3/8	42T 2003	0.97	1.00	80	0.3
1/2	42T 2004	1.12	1.31	50	0.6
3/4	42T 2006	1.31	1.50	35	0.9
1	42T 2010	1.50	1.81	20	1.5
1-1/4	42T 2012	1.75	2.19	15	2.3
1-1/2	42T 2014	2.00	2.44	10	3.0
2	42T 2020	2.38	2.97	6	4.7
2-1/2	42T 2024	3.00	3.62	3	9.0
3	42T 2030	3.38	4.31	2	13.4
4	42T 2040	4.19	5.75	1	32.4

Fig. 42X 2 – Cross



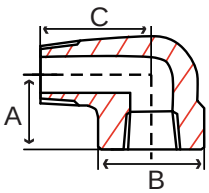
Size IN	Part Number	A IN	B IN	Master	Weight LB
3/8	42X 2003	0.97	1.00	60	0.4
1/2	42X 2004	1.12	1.31	40	0.8
3/4	42X 2006	1.31	1.50	30	1.1
1	42X 2010	1.50	1.81	20	1.6
1-1/4	42X 2012	1.75	2.19	10	2.4
1-1/2	42X 2014	2.00	2.44	6	3.5
2	42X 2020	2.38	2.97	4	5.7
2-1/2	42X 2024	3.00	3.62	3	10.4
3	42X 2030	3.38	4.31	3	15.0

Fig. 42E 3 – 90° Elbow



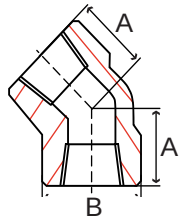
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42E 3001	0.81	0.88	100	0.2
1/4	42E 3002	0.97	1.00	100	0.7
3/8	42E 3003	1.12	1.31	80	0.6
1/2	42E 3004	1.31	1.50	50	0.9
3/4	42E 3006	1.50	1.81	25	1.5
1	42E 3010	1.75	2.19	20	2.2
1-1/4	42E 3012	2.00	2.44	15	3.1
1-1/2	42E 3014	2.38	2.97	6	4.8
2	42E 3020	2.50	3.31	5	5.4
2-1/2	42E 3024	3.25	4.00	2	13.2
3	42E 3030	3.75	4.75	1	19.5
4	42E 3040	4.50	6.00	1	32.7

Fig. 42SE3 – 90° Street Elbow



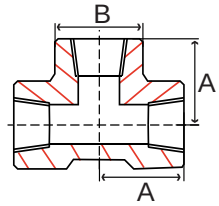
Size IN	Part Number	A IN	B IN	C IN	Master	Weight LB
1/8	42SE3001	0.97	1.00	1.25	200	0.2
1/4	42SE3002	0.97	1.00	1.25	150	0.2
3/8	42SE3003	1.12	1.31	1.50	80	0.4
1/2	42SE3004	1.31	1.50	1.69	50	0.6
3/4	42SE3006	1.50	1.81	1.94	30	1.1
1	42SE3010	1.75	2.19	2.31	20	2.2
1-1/4	42SE3012	2.00	2.44	2.69	15	2.4
1-1/2	42SE3014	2.38	2.97	2.81	8	4.4
2	42SE3020	2.50	3.31	3.38	5	6.4

Fig. 42F 3 – 45° Elbow



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42F 3001	0.66	0.86	100	0.2
1/4	42F 3002	0.75	1.00	100	0.2
3/8	42F 3003	0.88	1.31	80	0.5
1/2	42F 3004	1.00	1.50	50	0.7
3/4	42F 3006	1.12	1.81	30	1.2
1	42F 3010	1.31	2.19	20	2.0
1-1/4	42F 3012	1.38	2.44	15	2.2
1-1/2	42F 3014	1.69	2.97	8	4.5
2	42F 3020	1.72	3.31	6	4.9
2-1/2	42F 3024	2.06	4.00	2	8.1
3	42F 3030	2.50	4.75	2	13.1
4	42F 3040	3.12	6.00	1	19.7

Fig. 42T 3 – Tee



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42T 3001	0.81	0.88	80	0.2
1/4	42T 3002	0.97	1.00	80	0.4
3/8	42T 3003	1.12	1.31	50	0.8
1/2	42T 3004	1.31	1.50	35	1.2
3/4	42T 3006	1.50	1.81	20	2.0
1	42T 3010	1.75	2.19	15	3.2
1-1/4	42T 3012	2.00	2.44	10	3.8
1-1/2	42T 3014	2.38	2.97	5	7.2
2	42T 3020	2.50	3.31	4	7.7
2-1/2	42T 3024	3.25	4.00	2	15.4
3	42T 3030	3.75	4.75	1	22.4
4	42T 3040	4.50	6.00	1	39.6

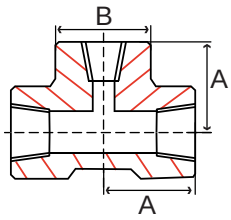


Fig. 42RT3 – Reducing Tee

Size IN	Part Number	A IN	B IN	Master	Weight LB
3/4 x 1/2	42RT3006004	1.50	1.81	20	1.8
1 x 1/2	42RT3010004	1.75	2.19	15	2.9
1 x 3/4	42RT3010006	1.75	2.19	15	2.9
1-1/4 x 1/2	42RT3012004	2.00	2.44	10	3.6
1-1/4 x 3/4	42RT3012006	2.00	2.44	10	3.6
1-1/4 x 1	42RT3012010	2.00	2.44	10	3.6
1-1/2 x 1/2	42RT3014004	2.38	2.97	5	6.8
1-1/2 x 3/4	42RT3014006	2.38	2.97	5	6.8
1-1/2 x 1	42RT3014010	2.38	2.97	5	6.8
1-1/2 x 1-1/4	42RT3014012	2.38	2.97	5	6.8
2 x 1/2	42RT3020004	2.50	3.31	4	7.0
2 x 3/4	42RT3020006	2.50	3.31	4	7.0
2 x 1	42RT3020010	2.50	3.31	4	7.0
2 x 1-1/4	42RT3020012	2.50	3.31	4	7.0
2 x 1-1/2	42RT3020014	2.50	3.31	4	7.0

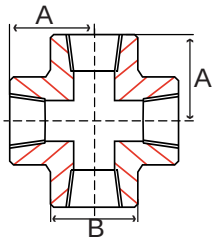


Fig. 42X 3 – Cross

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42X 3001	0.81	0.88	40	0.4
1/4	42X 3002	0.97	1.00	40	0.5
3/8	42X 3003	1.12	1.31	40	0.9
1/2	42X 3004	1.31	1.50	30	1.4
3/4	42X 3006	1.50	1.81	20	2.5
1	42X 3010	1.75	2.19	12	3.5
1-1/4	42X 3012	2.00	2.44	6	4.1
1-1/2	42X 3014	2.38	2.97	4	6.5
2	42X 3020	2.50	3.31	4	8.1
2-1/2	42X 3024	3.25	4.00	2	39.8
3	42X 3030	3.75	4.75	2	22.0
4	42X 3040	4.50	6.00	1	48.8

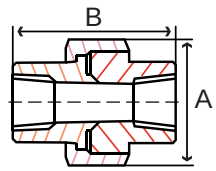
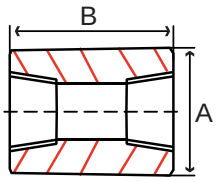


Fig. 42U 3 – Union

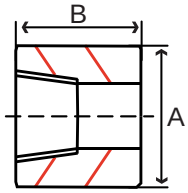
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42U 3001	1.48	1.66	70	0.6
1/4	42U 3002	1.48	1.66	70	0.6
3/8	42U 3003	1.66	1.83	70	0.5
1/2	42U 3004	1.93	2.00	50	0.7
3/4	42U 3006	2.38	2.31	35	1.0
1	42U 3010	2.78	2.42	20	1.6
1-1/4	42U 3012	3.35	2.86	14	2.2
1-1/2	42U 3014	3.70	3.00	10	3.5
2	42U 3020	4.42	3.50	5	5.3
2-1/2	42U 3024	5.22	4.25	3	8.0
3	42U 3030	6.15	4.42	2	11.6

Fig. 42CP3 – Coupling



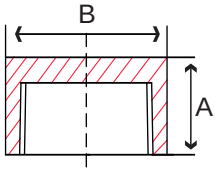
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42CP3001	0.62	1.25	250	0.1
1/4	42CP3002	0.75	1.38	250	0.1
3/8	42CP3003	0.88	1.50	200	0.1
1/2	42CP3004	1.12	1.88	100	0.2
3/4	42CP3006	1.33	2.00	70	0.4
1	42CP3010	1.75	2.38	35	0.9
1-1/4	42CP3012	2.25	2.62	20	1.7
1-1/2	42CP3014	2.50	3.12	15	2.3
2	42CP3020	3.00	3.38	10	3.0
2-1/2	42CP3024	3.62	3.62	5	5.0
3	42CP3030	4.25	4.25	3	7.4
4	42CP3040	5.50	4.75	2	13.8

Fig. 42HP3 – Half Coupling



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42HC3001	0.62	0.62	400	0.04
1/4	42HC3002	0.75	0.69	800	0.04
3/8	42HC3003	0.88	0.75	500	0.06
1/2	42HC3004	1.12	0.94	250	0.1
3/4	42HC3006	1.33	1.00	150	0.2
1	42HC3010	1.75	1.17	80	0.5
1-1/4	42HC3012	2.25	1.31	35	0.7
1-1/2	42HC3014	2.50	1.56	30	1.1
2	42HC3020	3.00	1.67	20	1.5
2-1/2	42HC3024	3.62	1.81	12	2.4
3	42HC3030	4.25	2.12	6	3.7
4	42HC3040	5.50	2.37	4	6.8

Fig. 42C 3 – Cap



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42C 3001	0.75	0.62	300	0.05
1/4	42C 3002	1.00	0.75	300	0.1
3/8	42C 3003	1.00	0.88	250	0.1
1/2	42C 3004	1.25	1.12	130	0.2
3/4	42C 3006	1.44	1.33	80	0.3
1	42C 3010	1.62	1.75	50	0.8
1-1/4	42C 3012	1.75	2.25	30	1.3
1-1/2	42C 3014	1.75	2.50	25	1.5
2	42C 3020	1.88	3.00	15	2.4
2-1/2	42C 3024	2.38	3.62	10	4.8
3	42C 3030	2.56	4.25	5	7.7
4	42C 3040	2.69	5.50	3	10.6

3000#

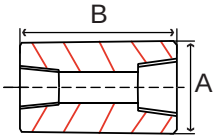
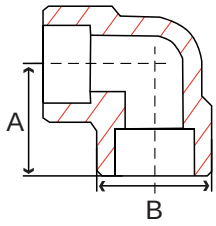


Fig. 42RC3 – Reducing Coupling

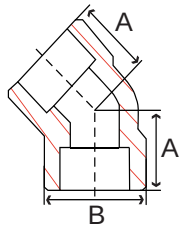
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4 x 1/8	42RC3002001	0.75	1.38	250	0.1
3/8 x 1/8	42RC3003001	0.88	1.50	200	0.1
3/8 x 1/4	42RC3003002	0.88	1.50	200	0.1
1/2 x 1/8	42RC3004001	1.12	1.88	100	0.2
1/2 x 1/4	42RC3004002	1.12	1.88	100	0.4
1/2 x 3/8	42RC3004003	1.12	1.88	100	0.2
3/4 x 1/8	42RC3006001	1.33	2.00	70	0.4
3/4 x 1/4	42RC3006002	1.33	2.00	70	0.4
3/4 x 3/8	42RC3006003	1.33	2.00	70	0.4
3/4 x 1/2	42RC3006004	1.33	2.00	70	0.4
1 x 1/8	42RC3010001	1.75	2.38	35	0.8
1 x 1/4	42RC3010002	1.75	2.38	35	0.8
1 x 3/8	42RC3010003	1.75	2.38	35	0.8
1 x 1/2	42RC3010004	1.75	2.38	35	0.8
1 x 3/4	42RC3010006	1.75	2.38	35	0.8
1-1/4 x 1/8	42RC3012001	2.25	2.62	20	1.5
1-1/4 x 1/4	42RC3012002	2.25	2.62	20	1.5
1-1/4 x 3/8	42RC3012003	2.25	2.62	20	1.5
1-1/4 x 1/2	42RC3012004	2.25	2.62	20	1.5
1-1/4 x 3/4	42RC3012006	2.25	2.62	20	1.5
1-1/4 x 1	42RC3012010	2.25	2.62	20	1.5
1-1/2 x 1/8	42RC3014001	2.50	3.12	15	2.1
1-1/2 x 1/4	42RC3014002	2.50	3.12	15	2.1
1-1/2 x 3/8	42RC3014003	2.50	3.12	15	2.1
1-1/2 x 1/2	42RC3014004	2.50	3.12	15	2.1
1-1/2 x 3/4	42RC3014006	2.50	3.12	15	2.1
1-1/2 x 1	42RC3014010	2.50	3.12	15	2.8
1-1/2 x 1-1/4	42RC3014012	2.50	3.12	15	2.1
2 x 1/8	42RC3020001	3.00	3.38	10	3.0
2 x 1/4	42RC3020002	3.00	3.38	10	3.0
2 x 3/8	42RC3020003	3.00	3.38	10	3.0
2 x 1/2	42RC3020004	3.00	3.38	10	3.0
2 x 3/4	42RC3020006	3.00	3.38	10	3.0
2 x 1	42RC3020010	3.00	3.38	10	4.5
2 x 1-1/4	42RC3020012	3.00	3.38	10	3.3
2 x 1-1/2	42RC3020014	3.00	3.38	10	3.9
2-1/2 x 1/2	42RC3024004	3.62	3.62	5	5.7
2-1/2 x 3/4	42RC3024006	3.62	3.62	5	4.5
2-1/2 x 1	42RC3024010	3.62	3.62	5	4.5
2-1/2 x 1-1/4	42RC3024012	3.62	3.62	5	4.5
2-1/2 x 1-1/2	42RC3024014	3.62	3.62	5	4.5
2-1/2 x 2	42RC3024020	3.62	3.62	5	4.5
3 x 3/4	42RC3030006	4.25	4.25	3	6.7
3 x 1	42RC3030010	4.25	4.25	3	6.7
3 x 1-1/4	42RC3030012	4.25	4.25	3	6.7
3 x 1-1/2	42RC3030014	4.25	4.25	3	6.7
3 x 2	42RC3030020	4.25	4.25	3	6.7
3 x 2-1/2	42RC3030024	4.25	4.25	3	6.7
4 x 1-1/2	42RC3040014	5.50	4.75	2	11.9
4 x 2	42RC3040020	5.50	4.75	2	11.9
4 x 2-1/2	42RC3040024	5.50	4.75	2	11.9
4 x 3	42RC3040030	5.50	4.75	2	11.9

Fig. 52E 3 – 90° Elbow



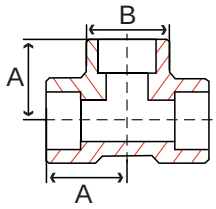
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	52E 3001	0.82	0.68	150	0.2
1/4	52E 3002	0.82	0.82	150	0.3
3/8	52E 3003	0.91	0.98	100	0.2
1/2	52E 3004	1.00	1.20	80	0.4
3/4	52E 3006	1.25	1.41	50	0.7
1	52E 3010	1.38	1.74	30	1.1
1-1/4	52E 3012	1.56	2.10	20	1.8
1-1/2	52E 3014	1.75	2.36	15	2.3
2	52E 3020	2.12	2.89	8	3.7
2-1/2	52E 3024	2.24	3.54	4	7.0
3	52E 3030	2.87	4.21	2	11.8
4	52E 3040	3.37	5.30	1	24.1

Fig. 52F 3 – 45° Elbow



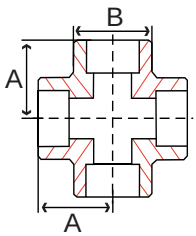
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	52F 3001	0.69	0.68	150	0.3
1/4	52F 3002	0.69	0.82	150	0.3
3/8	52F 3003	0.69	0.98	100	0.2
1/2	52F 3004	0.82	1.20	80	0.4
3/4	52F 3006	1.00	1.41	50	0.6
1	52F 3010	1.06	1.74	30	0.9
1-1/4	52F 3012	1.19	2.10	20	1.5
1-1/2	52F 3014	1.31	2.36	15	1.7
2	52F 3020	1.62	2.89	10	2.9
2-1/2	52F 3024	1.74	3.54	6	5.5
3	52F 3030	1.87	4.21	2	11.2
4	52F 3040	2.37	5.30	1	20.7

Fig. 52T 3 – Tee



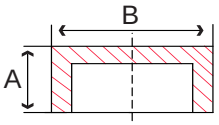
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	52T 3001	0.82	0.68	100	0.2
1/4	52T 3002	0.82	0.82	100	0.1
3/8	52T 3003	0.91	0.98	80	0.3
1/2	52T 3004	1.00	1.20	50	0.6
3/4	52T 3006	1.25	1.41	35	0.9
1	52T 3010	1.38	1.74	20	1.4
1-1/4	52T 3012	1.56	2.10	15	2.2
1-1/2	52T 3014	1.75	2.36	10	2.9
2	52T 3020	2.12	2.89	6	4.4
2-1/2	52T 3024	2.24	3.54	3	8.7
3	52T 3030	2.87	4.21	2	13.0
4	52T 3040	3.37	5.30	1	39.4

Fig. 52X 3 – Cross



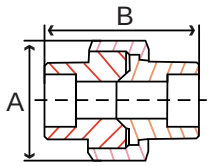
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4	52X 3002	0.82	0.82	60	1.1
3/8	52X 3003	0.91	0.98	60	1.0
1/2	52X 3004	1.00	1.20	40	0.8
3/4	52X 3006	1.25	1.41	30	1.0
1	52X 3010	1.38	1.74	20	1.6
1-1/4	52X 3012	1.56	2.10	10	2.6
1-1/2	52X 3014	1.75	2.36	6	3.5
2	52X 3020	2.12	2.89	4	5.1
2-1/2	52X 3024	2.24	3.54	3	13.3
3	52X 3030	2.87	4.21	2	13.5
4	52X 3040	3.37	5.30	1	39.0

Fig. 52C 3 – Cap



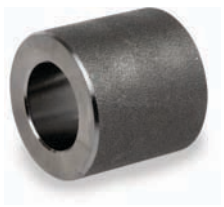
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4	52C 3002	0.71	0.87	300	0.1
3/8	52C 3003	0.77	1.03	250	0.1
1/2	52C 3004	0.90	1.27	130	0.2
3/4	52C 3006	1.02	1.50	80	0.3
1	52C 3010	1.07	1.80	50	0.5
1-1/4	52C 3012	1.22	2.23	30	0.9
1-1/2	52C 3014	1.29	2.55	25	1.3
2	52C 3020	1.53	2.96	15	2.1
2-1/2	52C 3024	1.65	3.64	10	3.1
3	52C 3030	1.77	4.27	5	6.0
4	52C 3040	1.91	5.40	3	9.3

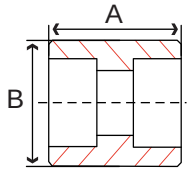
Fig. 52U 3 – Union



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	52U 3001	1.66	1.48	70	0.6
1/4	52U 3002	1.66	1.48	70	0.6
3/8	52U 3003	1.83	1.66	70	0.5
1/2	52U 3004	2.00	1.93	50	1.0
3/4	52U 3006	2.31	2.38	35	1.0
1	52U 3010	2.42	2.78	20	1.6
1-1/4	52U 3012	2.86	3.35	14	2.4
1-1/2	52U 3014	3.00	3.70	10	3.5
2	52U 3020	3.50	4.42	5	4.7
2-1/2	52U 3024	4.25	5.22	3	7.7
3	52U 3030	4.42	6.15	2	11.3

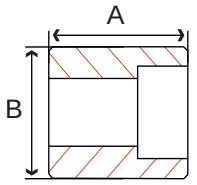
Fig. 52CP3 – Coupling



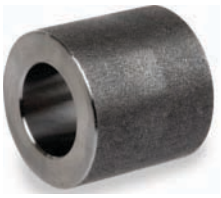


Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	52CP3001	1.01	0.97	350	0.1
1/4	52CP3002	1.01	0.87	350	0.1
3/8	52CP3003	1.01	1.03	250	0.1
1/2	52CP3004	1.14	1.27	120	0.2
3/4	52CP3006	1.38	1.50	80	0.3
1	52CP3010	1.50	1.80	50	0.6
1-1/4	52CP3012	1.50	2.23	30	0.9
1-1/2	52CP3014	1.50	2.55	25	1.3
2	52CP3020	2.00	2.96	15	1.8
2-1/2	52CP3024	2.00	3.64	10	3.0
3	52CP3030	2.00	4.27	6	3.9
4	52CP3040	2.25	5.40	4	6.2

Fig. 52HC3 – Half Coupling



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52HC3004	1.26	1.27	150	0.2
3/4	52HC3006	1.44	1.50	80	0.4
1	52HC3010	1.62	1.80	50	0.6
1-1/4	52HC3012	1.69	2.23	30	0.7
1-1/2	52HC3014	1.75	2.55	25	1.4
2	52HC3020	2.24	2.96	15	2.4
2-1/2	52HC3024	2.31	3.64	10	3.5
3	52HC3030	2.37	4.27	6	4.6
4	52HC3040	2.63	5.40	4	8.1



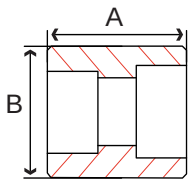
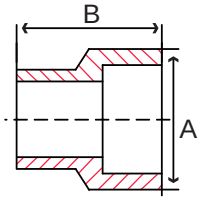
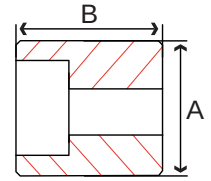


Fig. 52RC3 – Reducing Coupling

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2 x 1/4	52RC3004002	1.14	1.27	120	0.2
1/2 x 3/8	52RC3004003	1.14	1.27	120	0.2
3/4 x 1/8	52RC3006001	1.38	1.50	80	0.4
3/4 x 1/4	52RC3006002	1.38	1.50	80	0.4
3/4 x 3/8	52RC3006003	1.38	1.50	80	0.4
3/4 x 1/2	52RC3006004	1.38	1.50	80	0.4
1 x 1/4	52RC3010002	1.50	1.80	50	0.5
1 x 3/8	52RC3010003	1.50	1.80	50	0.5
1 x 1/2	52RC3010004	1.50	1.80	50	0.5
1 x 3/4	52RC3010006	1.50	1.80	50	0.5
1-1/4 x 1/2	52RC3012004	1.50	2.23	30	1.0
1-1/4 x 3/4	52RC3012006	1.50	2.23	30	1.1
1-1/4 x 1	52RC3012010	1.50	2.23	30	1.0
1-1/2 x 1/4	52RC3014002	1.50	2.55	25	1.3
1-1/2 x 3/8	52RC3014003	1.50	2.55	25	2.0
1-1/2 x 1/2	52RC3014004	1.50	2.55	25	1.3
1-1/2 x 3/4	52RC3014006	1.50	2.55	25	1.3
1-1/2 x 1	52RC3014010	1.50	2.55	25	1.6
1-1/2 x 1-1/4	52RC3014012	1.50	2.55	25	1.3
2 x 1/4	52RC3020002	2.00	2.96	15	2.6
2 x 3/8	52RC3020003	2.00	2.96	15	2.2
2 x 1/2	52RC3020004	2.00	2.96	15	2.6
2 x 3/4	52RC3020006	2.00	2.96	15	2.3
2 x 1	52RC3020010	2.00	2.96	15	2.1
2 x 1-1/4	52RC3020012	2.00	2.96	15	2.1
2 x 1-1/2	52RC3020014	2.00	2.96	15	2.6
2-1/2 x 1/2	52RC3024004	2.00	3.64	10	4.2
2-1/2 x 3/4	52RC3024006	2.00	3.64	10	3.5
2-1/2 x 1	52RC3024010	2.00	3.64	10	3.1
2-1/2 x 1-1/4	52RC3024012	2.00	3.64	10	3.1
2-1/2 x 1-1/2	52RC3024014	2.00	3.64	10	3.1
2-1/2 x 2	52RC3024020	2.00	3.64	10	3.1
3 x 1	52RC3030010	2.00	4.27	6	4.1
3 x 1-1/4	52RC3030012	2.00	4.27	6	4.4
3 x 1-1/2	52RC3030014	2.00	4.27	6	4.1
3 x 2	52RC3030020	2.00	4.27	6	4.1
3 x 2-1/2	52RC3030024	2.00	4.27	6	4.1
4 x 1-1/2	52RC3040014	2.25	5.40	4	6.0
4 x 2	52RC3040020	2.25	5.40	4	5.9
4 x 2-1/2	52RC3040024	2.25	5.40	4	5.8
4 x 3	52RC3040030	2.25	5.40	4	5.7



Type 1

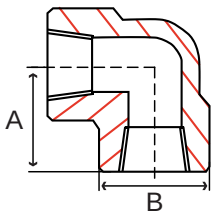


Type 2

Fig. 52IN3 – Insert Fitting

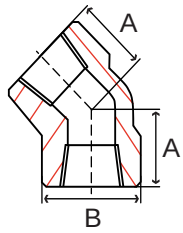
Size IN	Part Number	A IN	B IN	Type	Master	Weight LB
1/2 x 1/4	52IN3004002	1.25	1.23	1	150	0.2
1/2 x 3/8	52IN3004003	1.25	1.23	1	150	0.2
3/4 x 1/4	52IN3006002	1.06	1.46	1	100	0.3
3/4 x 3/8	52IN3006003	1.06	1.46	2	100	0.3
3/4 x 1/2	52IN3006004	1.34	1.46	2	100	0.3
1 x 1/4	52IN3010002	1.12	1.78	2	80	0.5
1 x 3/8	52IN3010003	1.12	1.78	2	80	0.5
1 x 1/2	52IN3010004	1.12	1.78	2	80	0.3
1 x 3/4	52IN3010006	1.52	1.78	1	80	0.5
1-1/4 x 1/4	52IN3012002	1.25	2.16	2	70	0.9
1-1/4 x 3/8	52IN3012003	1.25	2.16	2	70	0.9
1-1/4 x 1/2	52IN3012004	1.25	2.16	2	70	0.9
1-1/4 x 3/4	52IN3012006	1.25	2.16	2	70	0.9
1-1/4 x 1	52IN3012010	1.58	2.16	1	70	0.9
1-1/2 x 3/8	52IN3014003	1.31	2.42	2	50	1.2
1-1/2 x 1/2	52IN3014004	1.31	2.42	2	50	0.9
1-1/2 x 3/4	52IN3014006	1.31	2.42	2	50	1.2
1-1/2 x 1	52IN3014010	1.31	2.42	2	50	0.6
1-1/2 x 1-1/4	52IN3014012	1.70	2.42	1	50	1.2
2 x 1/2	52IN3020004	1.50	2.96	2	25	1.9
2 x 3/4	52IN3020006	1.50	2.96	2	25	1.9
2 x 1	52IN3020010	1.50	2.96	2	25	1.9
2 x 1-1/4	52IN3020012	1.50	2.96	2	25	1.9
2 x 1-1/2	52IN3020014	1.81	2.96	1	25	1.9
2-1/2 x 1/2	52IN3024004	2.12	3.70	2	12	2.6
2-1/2 x 3/4	52IN3024006	2.12	3.70	2	12	2.6
2-1/2 x 1	52IN3024010	2.12	3.70	2	12	2.6
2-1/2 x 1-1/4	52IN3024012	2.12	3.70	2	12	2.6
2-1/2 x 1-1/2	52IN3024014	2.12	3.70	2	12	2.6
2-1/2 x 2	52IN3024020	2.50	3.70	1	12	2.6
3 x 1	52IN3030010	1.87	4.30	2	10	3.9
3 x 1-1/4	52IN3030012	1.87	4.30	2	10	3.9
3 x 1-1/2	52IN3030014	1.87	4.30	2	10	4.1
3 x 2	52IN3030020	2.00	4.30	2	6	4.1
4 x 2-1/2	52IN3040024	2.25	5.39	2	4	5.8

Fig. 42E 6 – 90° Elbow



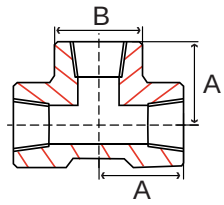
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	42E 6004	1.50	1.81	25	1.7
3/4	42E 6006	1.75	2.19	20	2.8
1	42E 6010	2.00	2.44	12	3.5
1-1/4	42E 6012	2.38	2.97	5	6.4
1-1/2	42E 6014	2.50	3.31	4	8.3
2	42E 6020	3.25	4.00	2	16.1
3	42E 6030	4.13	5.69	-	36.2

Fig. 42F 6 – 45° Elbow



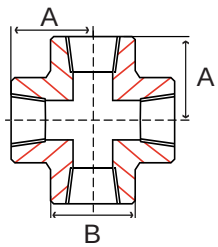
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	42F 6004	1.12	1.81	25	1.3
3/4	42F 6006	1..31	2.19	20	2.3
1	42F 6010	1.38	2.44	12	2.7
1-1/4	42F 6012	1.69	2.97	5	4.9
1-1/2	42F 6014	1.72	3.31	4	5.5
2	42F 6020	2.06	4.00	2	9.6
2-1/2	42F 6024	2.50	4.72	-	15.4

Fig. 42T 6 – Tee



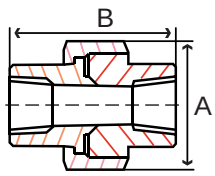
Size IN	Part Number	A IN	B IN	Master	Weight LB
3/8	42T 6003	1.29	1.48	35	1.3
1/2	42T 6004	1.50	1.81	20	2.1
3/4	42T 6006	1.75	2.19	12	3.6
1	42T 6010	2.00	2.44	10	4.7
1-1/4	42T 6012	2.38	2.97	2	7.6
1-1/2	42T 6014	2.50	3.31	2	10.3
2	42T 6020	3.25	4.00	2	17.3
2-1/2	42T 6024	3.71	4.72	1	28.8
3	42T 6030	4.13	5.70	1	49.5

Fig. 42X 6 – Cross



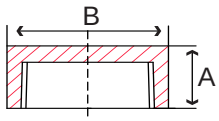
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	42X 6004	1.50	1.81	20	2.2
3/4	42X 6006	1.75	2.19	12	3.6
1	42X 6010	2.00	2.44	6	3.8
1-1/4	42X 6012	2.38	2.97	4	8.8
2	42X 6020	3.25	4.00	1	19.8
2-1/2	42X 6024	3.71	4.72	-	33.0

Fig. 42U 6 – Union



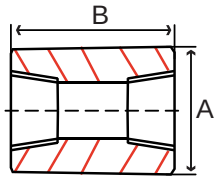
Size IN	Part Number	A IN	B IN	Master	Weight LB
1-1/2	42U 6014	3.50	4.42	6	4.89
2	42U 6020	4.12	5.23	2	8.37

Fig. 42C 6 – Cap



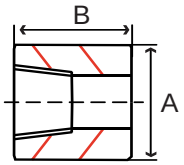
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/4	42C 6002	1.06	1.00	200	0.13
3/8	42C 6003	1.06	1.25	150	0.19
1/2	42C 6004	1.31	1.50	80	0.57
3/4	42C 6006	1.50	1.75	50	0.88
1	42C 6010	1.69	2.25	35	1.56
1-1/4	42C 6012	1.81	2.50	20	1.30
1-1/2	42C 6014	1.88	3.00	15	1.69
2	42C 6020	2.00	3.62	8	4.91

Fig. 42CP6 – Coupling



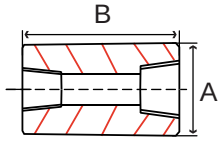
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/8	42CP6001	0.88	1.25	200	0.17
1/4	42CP6002	1.00	1.38	200	0.28
3/8	42CP6003	1.25	1.50	100	0.28
1/2	42CP6004	1.50	1.88	80	0.74
3/4	42CP6006	1.75	2.00	35	1.10
1	42CP6010	2.25	2.38	20	1.91
1-1/4	42CP6012	2.50	2.62	15	2.40
1-1/2	42CP6014	3.00	3.12	10	4.27
2	42CP6020	3.62	3.38	5	6.32

Fig. 42HC6 – Half Coupling



Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	42HC6004	1.50	0.94	50	0.35
1	42HC6010	2.25	1.19	25	0.99
1-1/2	42HC6014	3.00	1.56	10	2.11
2	42HC6020	3.62	1.69	10	3.88
2-1/2	42HC6024				
3	42HC6030				

Fig. 42RC6 – Reducing Coupling



Size IN	Part Number	A IN	B IN	Master	Weight LB
1-1/2 x 1/2	42RC6014004	3.00	3.12	10	2.64
1-1/2 x 3/4	42RC6014006	3.00	3.12	10	4.12
1-1/2 x 1	42RC6014010	3.00	3.12	10	2.18
2 x 1/2	42RC6020004	3.62	3.38	5	9.25
2 x 1	42RC6020010	3.62	3.38	5	7.49
2 x 1-1/2	42RC6020014	3.62	3.38	5	7.49

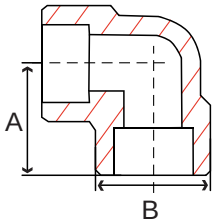


Fig. 52E 6 – 90° Elbow

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52E 6004	1.13	1.33	50	0.8
3/4	52E 6006	1.38	1.62	25	1.6
1	52E 6010	1.56	1.96	20	2.5
1-1/4	52E 6012	1.75	2.31	15	3.2
1-1/2	52E 6014	2.00	2.62	6	6.1
2	52E 6020	2.24	3.27	5	7.2

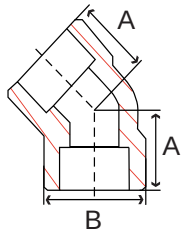


Fig. 52F 6 – 45° Elbow

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52F 6004	0.88	1.33	50	0.7
3/4	52F 6006	1.06	1.62	30	1.2
1	52F 6010	1.19	1.96	20	2.0
1-1/4	52F 6012	1.31	2.31	15	2.4
1-1/2	52F 6014	1.50	2.62	8	4.4
2	52F 6020	1.74	3.27	6	4.6

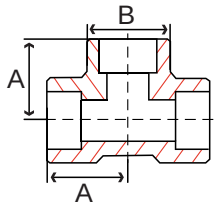


Fig. 52T 6 – Tee

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52T 6004	1.13	1.33	35	1.2
3/4	52T 6006	1.38	1.62	20	2.0
1	52T 6010	1.56	1.96	15	4.7
1-1/4	52T 6012	1.75	2.31	10	4.2
1-1/2	52T 6014	2.00	2.62	5	7.4
2	52T 6020	2.24	3.27	4	8.7

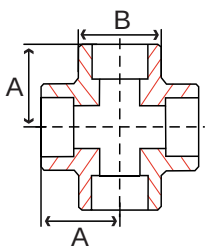


Fig. 52X 6 – Cross

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52X 6004	1.13	1.33	30	1.6
3/4	52X 6006	1.38	1.62	20	2.3
1	52X 6010	1.56	1.96	12	3.9
1-1/2	52X 6014	2.00	2.62	4	8.3
2	52X 6020	2.24	3.27	2	15.8

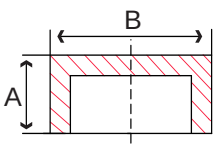


Fig. 52C 6 – Cap

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52C 6004	0.81	1.33	80	0.3
3/4	52C 6006	0.81	1.62	50	0.5
1	52C 6010	0.94	1.96	35	0.7
1-1/4	52C 6012	0.94	2.31	25	1.4
1-1/2	52C 6014	1.00	2.62	15	2.0
2	52C 6020	1.19	3.27	8	3.6

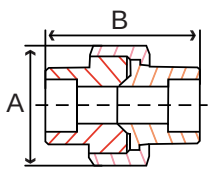


Fig. 52U 6 – Union

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52U 6004	2.25	2.38	30	1.0
3/4	52U 6006	2.44	2.75	20	1.0
1	52U 6010	2.88	3.25	10	1.5
1-1/4	52U 6012	3.00	3.50	8	6.5
1-1/2	52U 6014	3.38	4.25	6	4.8
2	52U 6020	4.06	5.12	2	4.8

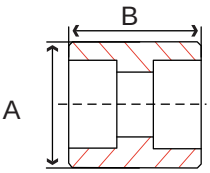
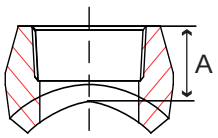


Fig. 52CP6 – Coupling

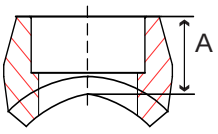
Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2	52CP6004	1.14	1.33	30	0.5
3/4	52CP6006	1.38	1.62	20	0.5
1	52CP6010	1.50	1.96	10	0.9
1-1/4	52CP6012	1.50	2.31	8	1.3
1-1/2	52CP6014	1.50	2.62	6	2.4
2	52CP6020	2.00	3.27	2	3.5

Fig. 43T03 – Threaded Outlet



Size IN	Part Number	A IN	Master	Weight LB
1/4 x 3/8 thru 36	43TO3002003360	0.75	200	.02
1/2 x 3/4 thru 36	43TO3004006360	1.00	150	0.2
3/4 x 1 thru 1-1/4	43TO3006010012	1.06	100	0.2
3/4 x 1-1/2 thru 36	43TO3006014360	1.06	100	0.2
1 x 1-1/4 thru 2-1/2	43TO3010012024	1.31	50	0.5
1 x 3 thru 36	43TO3010030360	1.31	50	0.5
1-1/4 x 1-1/2	43TO3012010004	1.31	40	0.8
1-1/4 x 2 thru 3-1/2	43TO3012020034	1.31	40	0.8
1-1/4 x 4 thru 36	43TO3012040360	1.31	40	0.8
1-1/2 x 2 thru 2-1/2	43TO3014020024	1.38	25	1.0
1-1/2 x 3 thru 5	43TO3014030050	1.38	25	1.0
1-1/2 x 6 thru 36	43TO3014060360	1.38	25	1.0
2 x 2-1/2 thru 3-1/2	43TO3020024034	1.50	10	1.7
2 x 4 thru 6	43TO3020040060	1.50	15	1.7
2 x 8 thru 36	43TO3020080360	1.50	15	1.7
2-1/2 x 3 thru 3-1/2	43TO3024030034	1.81	10	2.5
2-1/2 x 4 thru 5	43TO3024040050	1.81	10	2.5
2-1/2 x 6 thru 8	43TO3024060080	1.81	10	2.5
2-1/2 x 10 thru 36	43TO3024100360	1.81	10	2.5
3 x 3-1/2 thru 4	43TO3030034040	2.00	6	4.0
3 x 5 thru 6	43TO3030050060	2.00	6	4.0
3 x 8 thru 14	43TO3030080140	2.00	6	4.0
3 x 16 thru 36	43TO3030160360	2.00	6	4.0
4 x 5 thru 6	43TO3040050060	2.25	3	6.3
4 x 8 thru 10	43TO3040080100	2.25	3	6.3
4 x 12 thru 20	43TO3040120200	2.25	3	6.3
4 x 22 thru 36	43TO3040220360	2.25	3	6.3

Fig. 43S03 – Socket Weld Outlet



Size IN	Part Number	A IN	Master	Weight LB
1/2 x 3/4 thru 36	43SO3004006360	1.01	150	0.2
3/4 x 1 thru 1-1/4	43SO3006010012	1.13	100	0.2
3/4 x 1-1/2 thru 36	43SO3006014360	1.13	100	0.2
1 x 1-1/4 thru 2-1/2	43SO3010012024	1.38	50	0.5
1 x 3 thru 36	43SO3010030360	1.38	50	0.5
1-1/4 x 1-1/2	43SO3012010004	1.38	40	0.8
1-1/4 x 2 thru 3-1/2	43SO3012020034	1.38	40	0.8
1-1/4 x 4 thru 36	43SO3012040360	1.38	40	0.8
1-1/2 x 2 thru 2-1/2	43SO3014020024	1.44	25	1.0
1-1/2 x 3 thru 5	43SO3014030050	1.44	25	1.0
1-1/2 x 6 thru 36	43SO3014060360	1.44	25	1.0
2 x 2-1/2 thru 3-1/2	43SO3020024034	1.56	10	1.7
2 x 4 thru 6	43SO3020040060	1.56	15	1.7
2 x 8 thru 36	43SO3020080360	1.56	15	1.7
2-1/2 x 3 thru 3-1/2	43SO3024030034	1.62	10	2.5
2-1/2 x 4 thru 5	43SO3024040050	1.62	10	2.5
2-1/2 x 6 thru 8	43SO3024060080	1.62	10	2.5
2-1/2 x 10 thru 36	43SO3024100360	1.62	10	2.5
3 x 3-1/2 thru 4	43SO3030034040	1.81	6	4.0
3 x 5 thru 6	43SO3030050060	1.81	6	4.0
3 x 8 thru 14	43SO3030080140	1.81	6	4.0
3 x 16 thru 36	43SO3030160360	1.81	6	4.0
4 x 5 thru 6	43SO3040050060	1.94	1	6.3
4 x 8 thru 10	43SO3040080100	1.94	1	6.3
4 x 12 thru 20	43SO3040120200	1.94	1	6.3
4 x 22 thru 36	43SO3040220360	1.94	1	6.3

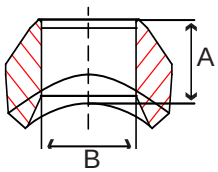


Fig. 43W03 – Welded Outlet

Size IN	Part Number	A IN	B IN	Master	Weight LB
1/2 x 1	43WO3004010	0.75	0.545	150	0.3
1/2 x 1-1/4 thru 36	43WO3004012360	0.75	0.545	150	0.3
3/4 x 1 thru 2	43WO3006010020	0.88	0.743	100	0.3
3/4 x 2-1/2 thru 36	43WO3006024360	0.88	0.743	100	0.3
1 x 1-1/4 thru 1-1/2	43WO3010012014	1.06	0.957	50	0.6
1 x 2 thru 36	43WO3010020360	1.06	0.957	50	0.6
1-1/4 x 1-1/2 thru 2	43WO3012014020	1.25	1.280	40	0.9
1-1/4 x 2-1/2 thru 6	43WO3012024060	1.25	1.280	40	0.9
1-1/4 x 8 thru 36	43WO3012080360	1.25	1.280	40	0.9
1-1/2 x 2 thru 3-1/2	43WO3014020034	1.31	1.502	25	1.4
1-1/2 x 4 thru 36	43WO3014040360	1.31	1.502	25	1.4
2 x 2-1/2 thru 3	43WO3020024030	1.50	1.938	15	2.3
2 x 3-1/2 thru 6	43WO3020034060	1.50	1.938	15	2.3
2 x 8 thru 36	43WO3020080360	1.50	1.938	15	2.3
2-1/2 x 5 thru 10	43WO3024050100	1.62	2.322	10	2.9
2-1/2 x 12 thru 36	43WO3024120360	1.62	2.322	10	2.3
3 x 5 thru 6	43WO3030050060	1.75	2.900	6	4.3
3 x 8 thru 14	43WO3030080140	1.75	2.900	6	4.3
3 x 16 thru 36	43WO3030160360	1.75	2.900	6	4.3
4 x 8 thru 10	43WO3040080100	2.00	3.826	3	7.1
4 x 12 thru 20	43WO3040120200	2.00	3.826	3	7.1
4 x 22 thru 36	43WO3040220360	2.00	3.826	3	7.1

All Butt Weld Outlets Have a Schedule 80 Bore

150#B16
2

SMITH-COOPER®
INTERNATIONAL

Bronze Fittings 125# and Flanges 150#

Bronze Fittings Specifications

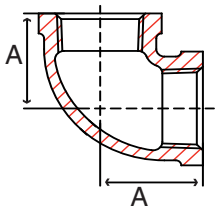
- SCI branded bronze fittings are UL Listed
- Canadian Registration Numbers available at www.smithcooper.com
- Bronze fittings conform to AWWA C800
- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze fitting dimensions conform to ASME B16.15
- Thread protectors on all male threads
- NPT threads on all fittings conform to ASME B1.20.1
- Bronze unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008
- SCI trademarked fittings and are 100% air tested

Bronze Flanges Specifications

- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze flange dimensions conform to ASME B16.24
- NPT threads on all flanges conform to ASME B1.20.1
- Manufacturing facilities are ISO 9001:2008

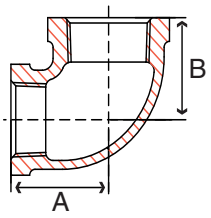
c UL us LISTED

Fig. 36E 1 – 90° Elbow



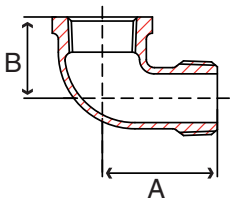
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36E 1001C	0.54	50	800	0.1
1/4	36E 1002C	0.71	35	560	0.1
3/8	36E 1003C	0.82	45	360	0.1
1/2	36E 1004C	1.01	50	200	0.2
3/4	36E 1006C	1.18	35	140	0.3
1	36E 1010C	1.43	20	80	0.6
1-1/4	36E 1012C	1.69	20	40	0.9
1-1/2	36E 1014C	1.84	15	30	1.2
2	36E 1020C	2.12	8	16	2.0
2-1/2	36E 1024C	2.70	6	12	3.8
3	36E 1030C	3.08	-	7	4.7
4	36E 1040C	3.79	-	3	9.7

Fig. 36RE1 – 90° Reducing Elbow



Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
3/8 x 1/4	36RE1003002C	0.78	0.75	60	480	0.1
1/2 x 1/4	36RE1004002C	0.98	0.97	50	400	0.2
1/2 x 3/8	36RE1004003C	0.93	0.90	50	200	0.2
3/4 x 1/4	36RE1006002C	1.08	1.05	40	160	0.2
3/4 x 3/8	36RE1006003C	1.13	1.12	40	160	0.3
3/4 x 1/2	36RE1006004C	1.11	1.08	50	200	0.4
1 x 1/2	36RE1010004C	1.24	1.20	25	100	0.5
1 x 3/4	36RE1010006C	1.31	1.30	30	120	0.5
1-1/4 x 1/2	36RE1012004C	1.53	1.34	20	80	0.6
1-1/4 x 3/4	36RE1012006C	1.48	1.39	15	60	0.7
1-1/4 x 1	36RE1012010C	1.60	1.52	10	40	0.7
1-1/2 x 1/2	36RE1014004C	1.62	1.38	15	60	0.7
1-1/2 x 3/4	36RE1014006C	1.72	1.52	15	60	0.8
1-1/2 x 1	36RE1014010C	1.72	1.55	10	40	1.0
1-1/2 x 1-1/4	36RE1014012C	1.81	1.72	8	32	1.0
2 x 1/2	36RE1020004C	1.90	1.56	10	40	1.1
2 x 3/4	36RE1020006C	1.90	1.68	10	40	1.1
2 x 1	36RE1020010C	2.02	1.73	14	28	1.4
2 x 1-1/4	36RE1020012C	2.10	1.90	10	20	1.5
2 x 1-1/2	36RE1020014C	2.07	1.89	10	20	1.6
2-1/2 x 1	36RE1024010C	2.36	1.87	8	16	2.2
2-1/2 x 1-1/4	36RE1024012C	2.44	2.03	8	16	2.6
2-1/2 x 1-1/2	36RE1024014C	2.51	2.16	8	16	2.9
2-1/2 x 2	36RE1024020C	2.60	2.39	8	16	3.1
3 x 1-1/4	36RE1030012C	2.74	2.16	5	10	2.8
3 x 1-1/2	36RE1030014C	2.80	2.28	5	10	2.7
3 x 2	36RE1030020C	2.89	2.52	-	8	4.2
3 x 2-1/2	36RE1030024C	2.99	2.83	-	8	4.0

Fig. 36SE1 – 90° Street Elbow



Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
1/8	36SE1001C	0.92	0.54	60	960	0.1
1/4	36SE1002C	1.11	0.71	35	560	0.1
3/8	36SE1003C	1.24	0.82	40	320	0.1
1/2	36SE1004C	1.48	1.01	75	300	0.2
3/4	36SE1006C	1.65	1.18	40	160	0.3
1	36SE1010C	1.98	1.43	40	80	0.5
1-1/4	36SE1012C	2.24	1.69	25	50	0.8
1-1/2	36SE1014C	2.46	1.84	9	36	1.1
2	36SE1020C	2.88	2.12	10	20	2.0
2-1/2	36SE1024C	3.86	2.70	-	10	4.0
3	36SE1030C	4.51	3.08	-	7	4.7
4	36SE1040C	5.69	3.79	-	3	11.4

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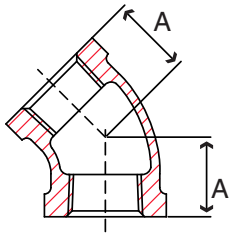
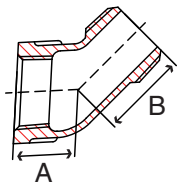
Fig. 36F 1 – 45° Elbow



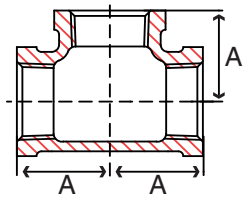
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36F 1001C	0.42	50	800	0.1
1/4	36F 1002C	0.56	30	480	0.1
3/8	36F 1003C	0.63	50	400	0.1
1/2	36F 1004C	0.78	50	200	0.2
3/4	36F 1006C	0.89	40	160	0.3
1	36F 1010C	1.06	20	80	0.5
1-1/4	36F 1012C	1.22	20	40	0.7
1-1/2	36F 1014C	1.30	8	32	1.0
2	36F 1020C	1.45	12	24	1.7
2-1/2	36F 1024C	1.95	-	15	3.2
3	36F 1030C	2.17	-	10	4.7
4	36F 1040C	2.61	-	3	8.1

Fig. 36SF1 – 45° Street Elbow



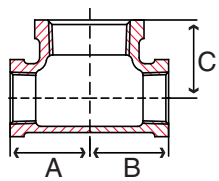
Size IN	Part Number	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/8	36SF1001C	0.42	0.78	70	1120	0.05
1/4	36SF1002C	0.56	0.88	40	640	0.1
3/8	36SF1003C	0.63	0.92	50	600	0.1
1/2	36SF1004C	0.78	1.06	75	300	0.2
3/4	36SF1006C	0.89	1.23	40	160	0.3
1	36SF1010C	1.06	1.40	25	100	0.5
1-1/4	36SF1012C	1.22	1.64	10	40	0.7
1-1/2	36SF1014C	1.30	1.80	10	40	1.0
2	36SF1020C	1.45	2.14	12	24	1.5
2-1/2	36SF1024C	1.95	2.57	5	10	3.0
3	36SF1030C	2.17	3.00	-	6	5.0
4	36SF1040C	2.61	3.70	-	4	8.0

Fig. 36T 1 – Tee



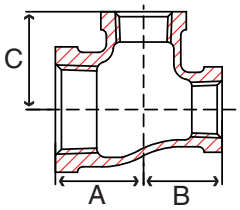
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36T 1001C	0.54	80	640	0.1
1/4	36T 1002C	0.71	50	400	0.1
3/8	36T 1003C	0.82	30	240	0.2
1/2	36T 1004C	1.01	40	160	0.3
3/4	36T 1006C	1.18	25	100	0.5
1	36T 1010C	1.43	25	50	0.8
1-1/4	36T 1012C	1.69	14	28	1.2
1-1/2	36T 1014C	1.84	15	30	1.6
2	36T 1020C	2.12	-	15	2.7
2-1/2	36T 1024C	2.70	-	10	5.1
3	36T 1030C	3.08	-	6	7.5
4	36T 1040C	3.79	-	2	13.3

Fig. 36BT1 – Bull Head Tee



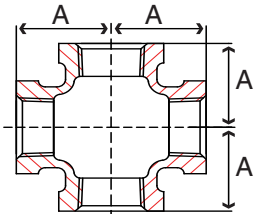
Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1/2 x 3/4	36BT1004006C	1.11	1.11	1.08	25	100	0.4
3/4 x 1	36BT1006010C	1.31	1.31	1.30	15	60	0.7
1 x 1-1/4	36BT1010012C	1.60	1.60	1.52	8	32	1.1
1 x 1-1/2	36BT1010014C	1.72	1.72	1.55	15	30	1.5

Fig. 36RT1 – Reducing Tee



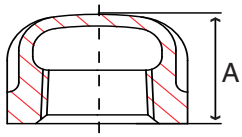
Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
3/8 x 1/4	36RT1003002C	0.75	0.75	0.78	40	160	0.2
1/2 x 1/8	36RT1004001C	0.87	0.87	0.87	20	160	0.2
1/2 x 1/4	36RT1004002C	0.87	0.87	0.87	25	200	0.2
1/2 x 3/8	36RT1004003C	0.93	0.93	0.90	25	200	0.3
3/4 x 1/4	36RT1006002C	1.00	1.00	1.00	25	100	0.4
3/4 x 3/8	36RT1006003C	1.00	1.00	1.00	25	100	0.4
3/4 x 1/2	36RT1006004C	1.08	1.08	1.11	25	100	0.5
3/4 x 1/2 x 1/2	36RT1006004004C	1.08	1.01	1.11	25	100	0.4
3/4 x 1/2 x 3/4	36RT1006004006C	1.18	1.11	1.18	20	80	0.5
1 x 1/4	36RT1010002C	1.12	1.12	1.13	20	80	0.5
1 x 3/8	36RT1010003C	1.12	1.12	1.13	15	60	0.6
1 x 1/2	36RT1010004C	1.20	1.20	1.24	15	60	0.6
1 x 1/2 x 1/2	36RT1010004004C	1.30	1.11	1.31	20	80	0.5
1 x 1/2 x 3/4	36RT1010004006C	1.30	1.11	1.31	20	80	0.6
1 x 1/2 x 1	36RT1010004010C	1.43	1.24	1.43	15	60	0.8
1 x 3/4	36RT1010006C	1.30	1.18	1.31	15	60	0.8
1 x 3/4 x 1/2	36RT1010006004C	1.20	1.08	1.24	20	80	0.6
1 x 3/4 x 3/4	36RT1010006006C	1.30	1.18	1.31	15	60	0.7
1 x 3/4 x 1	36RT1010006010C	1.43	1.31	1.43	15	60	0.8
1-1/4 x 1/2	36RT1012004C	1.29	1.29	1.41	20	40	0.8
1-1/4 x 3/4	36RT1012006C	1.39	1.39	1.48	20	40	0.9
1-1/4 x 1	36RT1012010C	1.52	1.52	1.60	20	40	1.2
1-1/4 x 1 x 1/2	36RT1012010004C	1.39	1.30	1.48	20	40	0.8
1-1/2 x 1/2	36RT1014004C	1.32	1.32	1.53	18	36	1.2
1-1/2 x 3/4	36RT1014006C	1.42	1.42	1.60	15	30	1.3
1-1/2 x 1	36RT1014010C	1.55	1.55	1.72	15	30	1.2
1-1/2 x 1-1/4	36RT1014012C	1.72	1.72	1.81	12	24	1.7
1-1/2 x 1-1/4 x 1	36RT1014012010C	1.55	1.52	1.72	15	30	1.2
1-1/2 x 1-1/4 x 1-1/2	36RT1014012014C	1.84	1.81	1.84	12	24	1.5
2 x 1/2	36RT1020004C	1.47	1.47	1.84	12	24	1.8
2 x 3/4	36RT1020006C	1.47	1.47	1.84	12	24	1.9
2 x 1	36RT1020010C	1.59	1.59	1.95	10	20	2.0
2 x 1-1/4	36RT1020012C	1.77	1.77	2.04	8	16	2.2
2 x 1-1/2	36RT1020014C	1.89	1.89	2.07	8	16	2.6
2-1/2 x 1-1/4	36RT1024012C	2.04	2.04	2.45	-	10	3.2
2-1/2 x 1-1/2	36RT1024014C	2.16	2.16	2.51	-	10	3.8
2-1/2 x 2	36RT1024020C	2.39	2.39	2.60	-	10	4.2
3 x 3/4	36RT1030006C	1.87	1.87	2.61	-	6	4.1
3 x 1	36RT1030010C	2.00	2.00	2.66	-	6	4.5
3 x 1-1/4	36RT1030012C	2.17	2.17	2.74	-	6	4.7
3 x 1-1/2	36RT1030014C	2.29	2.29	2.80	-	6	4.9
3 x 2	36RT1030020C	2.52	2.52	2.89	-	6	3.7
3 x 2-1/2	36RT1030024C	2.83	2.83	2.99	-	6	5.5
4 x 1	36RT1040010C	2.27	2.27	3.32	-	4	5.9
4 x 1-1/4	36RT1040012C	2.41	2.41	3.32	-	4	6.7
4 x 1-1/2	36RT1040014C	2.51	2.51	3.32	-	4	8.3
4 x 2	36RT1040020C	2.74	2.74	3.41	-	3	7.6
4 x 3	36RT1040030C	3.30	3.30	3.60	-	3	10.5

Fig. 36X 1 – Cross



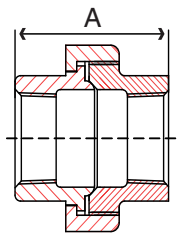
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36X 1001C	0.54	20	320	0.1
1/4	36X 1002C	0.71	40	320	0.2
3/8	36X 1003C	0.82	40	160	0.1
1/2	36X 1004C	1.01	30	120	0.4
3/4	36X 1006C	1.18	20	80	0.7
1	36X 1010C	1.43	20	40	1.0
1-1/4	36X 1012C	1.69	-	20	1.6
1-1/2	36X 1014C	1.84	-	18	2.1
2	36X 1020C	2.12	-	10	3.2
2-1/2	36X 1024C	2.70	-	6	5.5
3	36X 1030C	3.08	-	4	8.2
4	36X 1040C	3.79	-	2	13.5

Fig. 36C 1 – Cap



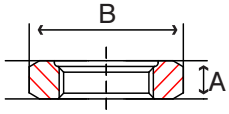
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36C 1001C	0.53	120	1920	0.03
1/4	36C 1002C	0.63	80	1280	0.06
3/8	36C 1003C	0.68	60	720	0.1
1/2	36C 1004C	0.80	75	600	0.1
3/4	36C 1006C	0.90	40	320	0.1
1	36C 1010C	1.08	25	200	0.3
1-1/4	36C 1012C	1.12	25	100	0.5
1-1/2	36C 1014C	1.17	25	100	0.6
2	36C 1020C	1.36	18	72	0.9
2-1/2	36C 1024C	1.70	20	40	1.9
3	36C 1030C	1.80	12	24	2.7
4	36C 1040C	2.08	6	12	4.4

Fig. 36U 1 – Union



Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36U 1001C	1.34	30	480	0.1
1/4	36U 1002C	1.50	20	240	0.2
3/8	36U 1003C	1.53	20	160	0.3
1/2	36U 1004C	1.81	40	160	0.5
3/4	36U 1006C	1.93	40	80	0.7
1	36U 1010C	2.11	30	60	1.1
1-1/4	36U 1012C	2.37	20	40	1.6
1-1/2	36U 1014C	2.60	15	30	2.0
2	36U 1020C	2.91	10	20	3.2
2-1/2	36U 1024C	3.30	-	10	5.3
3	36U 1030C	3.60	-	7	6.9
4	36U 1040C	4.70	-	4	12.0

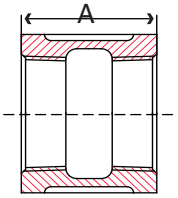
Fig. 36LN1 – Lock Nut*



Size IN	Part Number	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/8	36LN1001C	0.21	0.74	250	4000	0.02
1/4	36LN1002C	0.26	0.85	125	2000	0.03
3/8	36LN1003C	0.30	1.05	125	1500	0.04
1/2	36LN1004C	0.38	1.25	100	800	0.08
3/4	36LN1006C	0.40	1.50	60	480	0.1
1	36LN1010C	0.50	1.88	40	320	0.1
1-1/4	36LN1012C	0.50	2.15	30	240	0.2
1-1/2	36LN1014C	0.53	2.56	45	180	0.2
2	36LN1020C	0.57	3.10	25	100	0.4
2-1/2	36LN1024C	0.72	4.00	14	56	1.1

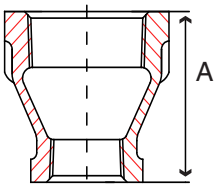
*NPSL Threads

Fig. 36CP1 – Coupling



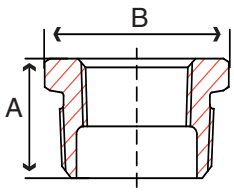
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36CP1001C	0.80	70	1120	0.1
1/4	36CP1002C	0.97	40	640	0.1
3/8	36CP1003C	1.05	50	600	0.1
1/2	36CP1004C	1.29	40	320	0.1
3/4	36CP1006C	1.43	50	200	0.2
1	36CP1010C	1.68	25	100	0.4
1-1/4	36CP1012C	1.86	20	80	0.6
1-1/2	36CP1014C	1.92	12	48	0.8
2	36CP1020C	2.20	12	24	1.3
2-1/2	36CP1024C	2.88	8	16	2.6
3	36CP1030C	3.18	8	16	3.7
4	36CP1040C	3.69	-	6	5.8

Fig. 36RC1 – Reducing Coupling



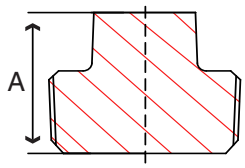
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/4 x 1/8	36RC1002001C	0.88	50	600	0.08
3/8 x 1/8	36RC1003001C	0.92	35	420	0.1
3/8 x 1/4	36RC1003002C	1.01	40	480	0.1
1/2 x 1/8	36RC1004001C	1.13	50	400	0.1
1/2 x 1/4	36RC1004002C	1.13	50	400	0.1
1/2 x 3/8	36RC1004003C	1.17	40	320	0.1
3/4 x 1/8	36RC1006001C	1.24	35	280	0.1
3/4 x 1/4	36RC1006002C	1.24	30	240	0.2
3/4 x 3/8	36RC1006003C	1.24	50	200	0.2
3/4 x 1/2	36RC1006004C	1.36	60	240	0.2
1 x 1/4	36RC1010002C	1.49	45	180	0.3
1 x 3/8	36RC1010003C	1.49	30	120	0.4
1 x 1/2	36RC1010004C	1.49	30	120	0.3
1 x 3/4	36RC1010006C	1.56	25	100	0.4
1-1/4 x 1/2	36RC1012004C	1.65	25	100	0.6
1-1/4 x 3/4	36RC1012006C	1.65	25	100	0.6
1-1/4 x 1	36RC1012010C	1.77	15	60	0.5
1-1/2 x 1/2	36RC1014004C	1.8	15	60	0.7
1-1/2 x 3/4	36RC1014006C	1.8	15	60	0.8
1-1/2 x 1	36RC1014010C	1.8	15	60	0.6
1-1/2 x 1-1/4	36RC1014012C	1.89	12	48	0.9
2 x 1/2	36RC1020004C	2.03	12	48	1.2
2 x 3/4	36RC1020006C	2.03	12	48	1.2
2 x 1	36RC1020010C	2.03	12	48	0.9
2 x 1-1/4	36RC1020012C	2.03	14	28	1.3
2 x 1-1/2	36RC1020014C	2.06	12	24	1.0
2-1/2 x 1	36RC1024010C	3.25	-	25	2.0
2-1/2 x 1-1/4	36RC1024012C	3.25	-	25	2.2
2-1/2 x 1-1/2	36RC1024014C	3.25	-	25	2.2
2-1/2 x 2	36RC1024020C	3.25	-	25	2.4
3 x 1	36RC1030010C	3.69	-	20	2.5
3 x 1-1/4	36RC1030012C	3.69	-	20	2.1
3 x 1-1/2	36RC1030014C	3.69	-	20	2.3
3 x 2	36RC1030020C	3.69	-	20	3.6
3 x 2-1/2	36RC1030024C	3.69	-	12	3.9
4 x 2	36RC1040020C	4.38	-	10	6.0
4 x 2-1/2	36RC1040024C	4.38	-	10	5.9
4 x 3	36RC1040030C	4.38	-	6	6.5

Fig. 36HB1 – Hex Bushing



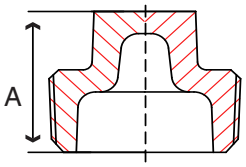
Size IN	Part Number	A IN	B IN	Hex	Packing Inner	Packing Master	Weight LB
1/4 x 1/8	36HB1002001C	0.65	0.66	Out	120	1920	0.02
3/8 x 1/8	36HB1003001C	0.70	0.70	Out	75	1200	0.05
3/8 x 1/4	36HB1003002C	0.70	0.73	Out	75	1200	0.04
1/2 x 1/8	36HB1004001C	0.81	0.90	Out	100	800	0.10
1/2 x 1/4	36HB1004002C	0.81	0.90	Out	100	800	0.09
1/2 x 3/8	36HB1004003C	0.81	0.90	Out	100	800	0.07
3/4 x 1/8	36HB1006001C	0.88	1.18	Out	50	600	0.1
3/4 x 1/4	36HB1006002C	0.93	1.18	Out	40	480	0.1
3/4 x 3/8	36HB1006003C	0.93	1.18	Out	50	600	0.1
3/4 x 1/2	36HB1006004C	0.93	1.18	Out	40	480	0.1
1 x 1/4	36HB1010002C	1.13	1.12	In	50	400	0.2
1 x 3/8	36HB1010003C	1.13	1.12	In	50	400	0.2
1 x 1/2	36HB1010004C	1.10	1.44	Out	40	320	0.2
1 x 3/4	36HB1010006C	1.10	1.44	Out	40	360	0.2
1-1/4 x 1/2	36HB1012004C	1.18	1.80	In	30	120	0.3
1-1/4 x 3/4	36HB1012006C	1.18	1.80	Out	30	120	0.4
1-1/4 x 1	36HB1012010C	1.18	1.80	Out	30	120	0.3
1-1/2 x 1/4	36HB1014002C	1.27	1.15	In	25	100	0.4
1-1/2 x 3/8	36HB1014003C	1.30	1.34	Out	25	100	0.4
1-1/2 x 1/2	36HB1014004C	1.27	1.34	In	25	100	0.4
1-1/2 x 3/4	36HB1014006C	1.27	1.63	In	25	100	0.4
1-1/2 x 1	36HB1014010C	1.19	2.04	Out	25	100	0.5
1-1/2 x 1-1/4	36HB1014012C	1.19	2.04	Out	25	100	0.4
2 x 1/2	36HB1020004C	1.35	1.36	In	20	80	0.6
2 x 3/4	36HB1020006C	1.35	1.65	In	20	80	0.7
2 x 1	36HB1020010C	1.35	2.00	In	20	80	0.7
2 x 1-1/4	36HB1020012C	1.35	2.50	Out	20	80	0.8
2 x 1-1/2	36HB1020014C	1.35	2.55	Out	20	80	0.8
2-1/2 x 1/2	36HB1024004C	1.64	3.15	Out	15	60	1.2
2-1/2 x 3/4	36HB1024006C	1.58	1.65	In	15	60	1.1
2-1/2 x 1	36HB1024010C	1.58	2.00	In	12	48	1.1
2-1/2 x 1-1/4	36HB1024012C	1.60	2.39	In	12	48	1.2
2-1/2 x 1-1/2	36HB1024014C	1.52	2.70	In	12	48	1.3
2-1/2 x 2	36HB1024020C	1.62	3.15	Out	12	48	1.1
3 x 1/2	36HB1030004C	1.60	1.35	In	12	48	1.9
3 x 3/4	36HB1030006C	1.70	1.65	In	10	40	1.9
3 x 1	36HB1030010C	1.60	2.00	In	12	48	1.6
3 x 1-1/4	36HB1030012C	1.70	2.40	In	10	40	1.7
3 x 1-1/2	36HB1030014C	1.70	2.70	In	12	48	1.8
3 x 2	36HB1030020C	1.70	3.55	Out	6	24	2.3
3 x 2-1/2	36HB1030024C	1.70	3.90	Out	6	24	2.1
4 x 1-1/2	36HB1040014C	1.80	2.70	In	-	20	3.4
4 x 2	36HB1040020C	1.80	3.30	In	-	20	3.6
4 x 2-1/2	36HB1040024C	2.10	4.75	Out	-	20	3.9
4 x 3	36HB1040030C	2.10	4.75	Out	-	20	4.2

Fig. 36SS1 – Square Head Solid Plug



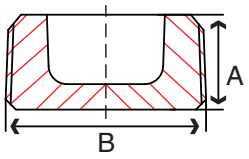
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36SS1001C	0.65	300	4800	0.02
1/4	36SS1002C	0.75	150	2400	0.03
3/8	36SS1003C	0.85	100	1600	0.06
1/2	36SS1004C	1.00	50	800	0.1
3/4	36SS1006C	1.15	30	360	0.1
1	36SS1010C	1.30	20	240	0.3
1-1/4	36SS1012C	1.40	40	160	0.6
1-1/2	36SS1014C	1.50	30	120	0.8
2	36SS1020C	1.60	20	80	1.2
2-1/2	36SS1024C	1.85	16	64	2.3
3	36SS1030C	1.95	16	32	4.0
4	36SS1040C	2.30	8	16	6.8

Fig. 36SC1 – Square Head Cored Plug



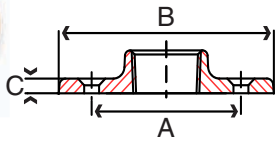
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/2	36SC1004C	1.00	50	800	0.1
3/4	36SC1006C	1.15	30	360	0.1
1	36SC1010C	1.30	20	240	0.2
1-1/4	36SC1012C	1.40	40	160	0.3
1-1/2	36SC1014C	1.50	30	120	0.5
2	36SC1020C	1.60	20	80	0.7
2-1/2	36SC1024C	1.85	16	64	1.0
3	36SC1030C	1.95	16	32	2.0
4	36SC1040C	2.30	8	16	3.6

Fig. 36CS1 – Counter Sunk Square Plug



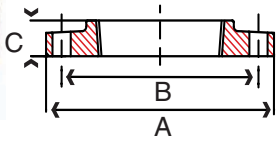
Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
1/2	36CS1004C	0.54	0.38	50	800	0.05
3/4	36CS1006C	0.55	0.50	30	480	0.1
1	36CS1010C	0.69	0.50	20	320	0.2
1-1/4	36CS1012C	0.71	0.75	40	320	0.3
1-1/2	36CS1014C	0.73	0.75	30	240	0.5
2	36CS1020C	0.76	0.88	20	160	0.8
2-1/2	36CS1024C	1.07	1.12	16	64	1.2
3	36CS1030C	1.13	1.38	16	32	2.5
4	36CS1040C	1.22	2.00	8	16	3.7

Fig. 36FF1 – Floor Flange



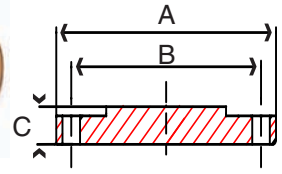
Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1/4	36FF1002C	2.00	2.80	0.31	50	200	0.3
3/8	36FF1003C	2.00	2.80	0.31	50	200	0.3
1/2	36FF1004C	2.00	2.95	0.25	50	200	0.7
3/4	36FF1006C	2.45	3.35	0.30	30	120	0.8
1	36FF1010C	2.70	3.70	0.30	20	80	1.1
1-1/4	36FF1012C	3.00	3.95	0.30	15	60	1.1
1-1/2	36FF1014C	3.35	4.30	0.33	12	48	1.5
2	36FF1020C	4.25	5.60	0.33	8	32	2.4

Fig. 16TH1 – 150# Threaded Flange



Size IN	Part Number	Hole Size	Number of holes	A IN	B IN	C IN	Packing	Weight LB
1/2	16TH1004	5/8	4	3.50	2.38	0.59	50	0.7
3/4	16TH1006	5/8	4	3.88	2.75	0.62	40	1.0
1	16TH1010	5/8	4	4.25	3.12	0.69	30	1.3
1-1/4	16TH1012	5/8	4	4.62	3.50	0.81	20	1.6
1-1/2	16TH1014	5/8	4	5.00	3.88	0.88	15	2.1
2	16TH1020	3/4	4	6.00	4.75	1.00	10	3.5
2-1/2	16TH1024	3/4	4	7.00	5.50	1.12	5	5.4
3	16TH1030	3/4	4	7.50	6.00	1.19	4	6.5
4	16TH1040	3/4	8	9.00	7.50	1.31	3	9.9
6	16TH1060	7/8	8	11.0	9.50	1.56	2	17.0

Fig. 16BL1 – 150# Blind Flange



Size IN	Part Number	Hole Size	Number of holes	A IN	B IN	C IN	Packing	Weight LB
1/2	16BL1004	5/8	4	3.50	2.38	0.59	40	1.0
3/4	16BL1006	5/8	4	3.88	2.75	0.62	30	1.0
1	16BL1010	5/8	4	4.25	3.12	0.69	25	1.7
1-1/4	16BL1012	5/8	4	4.62	3.50	0.81	20	2.5
1-1/2	16BL1014	5/8	4	5.00	3.88	0.88	15	3.0
2	16BL1020	3/4	4	6.00	4.75	1.00	10	5.5
2-1/2	16BL1024	3/4	4	7.00	5.50	1.12	8	8.5
3	16BL1030	3/4	4	7.50	6.00	1.19	5	10.5
4	16BL1040	3/4	8	9.00	7.50	1.31	3	16.5
6	16BL1060	7/8	8	11.0	9.50	1.56	2	32.5

SMITH-COOPER®
INTERNATIONAL

Merchant Steel Couplings and Fittings Drop Pipe Couplings

Merchant Couplings and Fittings Specifications

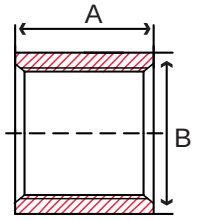
- Merchant coupling dimensions and materials conform to ASTM A865
- Canadian Registration Numbers available at www.smithcooper.com
- Merchant coupling threads conform to ASME B1.20.1
- Merchant couplings from 1/8” to 2” are NPSC (straight threads),

  2-1/2” and larger are NPT (tapered)
- Recessed couplings are API 5L style for extra heavy pipe, all sizes have NPT threads
- Merchant steel bushings and plugs conform to ASME B16.14
- Hot-dipped galvanized fittings conform to ASTM A153

Drop Pipe Couplings Specifications

- SCI branded
- Drop pipe couplings are NPT (tapered threadeds)

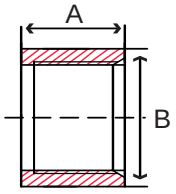
Fig. 23MC & 24MC – Merchant Coupling



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	23MC4001	24MC4001	0.81	0.56	100	1,200	0.03
1/4	23MC4002	24MC4002	1.18	0.71	100	800	0.07
3/8	23MC4003	24MC4003	1.18	0.87	100	400	0.1
1/2	23MC4004	24MC4004	1.56	1.06	50	200	0.1
3/4	23MC4006	24MC4006	1.62	1.31	50	200	0.2
1	23MC4010	24MC4010	2.00	1.57	30	120	0.3
1-1/4	23MC4012	24MC4012	2.06	1.90	20	80	0.4
1-1/2	23MC4014	24MC4014	2.06	2.20	20	80	0.6
2	23MC4020	24MC4020	2.12	2.75	10	40	1.0
2-1/2*	23MC4024	24MC4024	3.12	3.25	-	30	2.2
3*	23MC4030	24MC4030	3.25	4.00	-	15	3.0
3-1/2*	23MC4034	24MC4034	3.37	4.62	-	10	4.1
4*	23MC4040	24MC4040	3.50	5.00	-	10	4.4
5*	23MC4050	24MC4050	3.75	6.29	-	4	7.2
6*	23MC4060	24MC4060	4.00	7.39	-	3	10.5
8*	23MC4080	24MC4080	5.25	9.62	-	-	15.0

* Taper Tapped

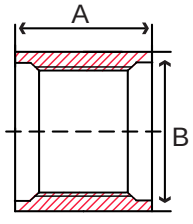
Fig. 23HC & 24HC – Merchant Half Coupling



Size	Part Number	A	B	Packing		Weight
IN	Black	IN	IN	Inner	Master	LB
1/8	23HC4001	0.38	0.56	100	1200	0.01
1/4	23HC4002	0.57	0.71	100	1200	0.03
3/8	23HC4003	0.57	0.87	100	1200	0.05
1/2	23HC4004	0.75	1.06	50	600	0.08
3/4	23HC4006	0.79	1.31	50	400	0.1
1	23HC4010	1.00	1.57	30	240	0.1
1-1/4	23HC4012	1.03	1.90	20	160	0.2
1-1/2	23HC4014	1.03	2.20	20	160	0.3
2	23HC4020	1.06	2.75	20	80	0.5
2-1/2*	23HC4024	1.06	3.25	-	60	1.1
3*	23HC4030	1.56	4.00	-	24	1.5
3-1/2*	23HC4034	1.60	4.62	-	20	2.1
4*	23HC4040	1.80	5.00	-	20	2.2
5*	23HC4050	1.90	6.29	-	12	3.6
6*	23HC4060	2.00	7.39	-	8	5.2

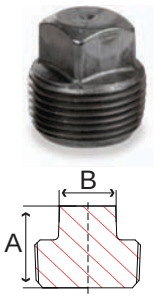
* Taper Tapped

Fig. 26CRX & 27CRX – XH Recessed Style Coupling



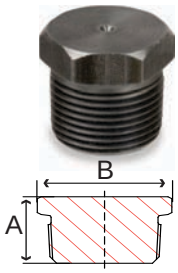
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	26CRX001	-	1.06	0.56	25	400	0.04
1/4	26CRX002	-	1.62	0.71	25	400	0.1
3/8	26CRX003	-	1.62	0.87	25	400	0.1
1/2	26CRX004	27CRX004	2.12	1.06	25	300	0.2
3/4	26CRX006	27CRX006	2.12	1.31	25	200	0.3
1	26CRX010	27CRX010	2.62	1.57	25	100	0.5
1-1/4	26CRX012	27CRX012	2.75	2.05	25	50	0.9
1-1/2	26CRX014	-	2.75	2.20	25	50	0.9
2	26CRX020	27CRX020	2.87	2.87	-	40	1.7
2-1/2	26CRX024	27CRX024	4.12	3.37	-	20	3.1
3	26CRX030	27CRX030	4.25	4.00	-	12	3.8
4	26CRX040	27CRX040	4.50	5.20	-	8	5.8
6	26CRX060	27CRX060	4.87	7.39	-	-	13.5
8	26CRX080	27CRX080	5.25	9.62	-	-	22.0
10	26CRX100	27CRX100	5.75	11.75	-	-	31.7
12	26CRX120	-	6.12	14.00	-	-	50.0

Fig. 23SP & 24SP – Square Head Plug



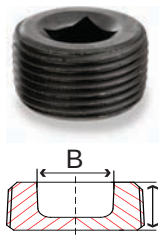
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	23SP4001	24SP4001	0.57	0.27	-	2500	0.02
1/4	23SP4002	24SP4002	0.72	0.37	-	1000	0.04
3/8	23SP4003	24SP4003	0.80	0.42	-	600	0.06
1/2	23SP4004	24SP4004	0.97	0.55	-	300	0.1
3/4	23SP4006	24SP4006	1.07	0.62	-	200	0.2
1	23SP4010	24SP4010	1.25	0.81	-	100	0.3

Fig. 23HP & 24HP – Hex Head Plug



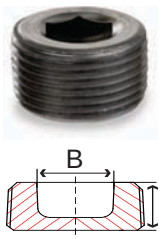
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	23HP4001	24HP4001	0.55	0.43	-	2000	0.02
1/4	23HP4002	24HP4002	0.74	0.56	-	900	0.05
3/8	23HP4003	24HP4003	0.80	0.68	-	600	0.07
1/2	23HP4004	24HP4004	0.97	0.87	-	300	0.1
3/4	23HP4006	24HP4006	1.06	1.06	-	150	0.3
1	23HP4010	24HP4010	1.10	1.31	-	100	0.5

Fig. 23CS & 24CS – Countersunk Square Plug



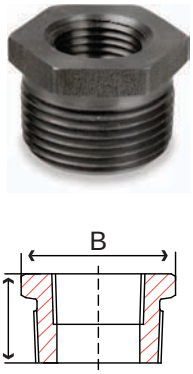
Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	23CS4001	24CS4001	0.29	0.19	-	5000	0.01
1/4	23CS4002	24CS4002	0.44	0.25	-	1800	0.02
3/8	23CS4003	24CS4003	0.44	0.31	-	1100	0.03
1/2	23CS4004	24CS4004	0.59	0.38	-	500	0.07
3/4	23CS4006	24CS4006	0.60	0.50	-	300	0.1
1	23CS4010	24CS4010	0.75	0.50	-	150	0.2

Fig. 23CH & 24CH – Countersunk Hex Plug



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/8	23CH4001	24CH4001	0.29	0.18	-	5000	0.01
1/4	23CH4002	24CH4002	0.44	0.25	-	1800	0.02
3/8	23CH4003	24CH4003	0.44	0.31	-	1100	0.03
1/2	23CH4004	24CH4004	0.59	0.37	-	500	0.07
3/4	23CH4006	24CH4006	0.60	0.56	-	300	0.1
1	23CH4010	24CH4010	0.75	0.62	-	150	0.2

Fig. 23HB & 24HB – Hex Bushing



Size	Part Number		A	B	Packing		Weight
IN	Black	Galvanized	IN	IN	Inner	Master	LB
1/4 x 1/8	23HB4002001	24HB4002001	0.63	0.62	100	500	0.03
3/8 x 1/8	23HB4003001	24HB4003001	0.66	0.68	100	500	0.05
3/8 x 1/4	23HB4003002	24HB4003002	0.66	0.68	100	500	0.05
1/2 x 1/8	23HB4004001	24HB4004001	0.80	0.87	50	500	0.1
1/2 x 1/4	23HB4004002	24HB4004002	0.80	0.87	50	500	0.1
1/2 x 3/8	23HB4004003	24HB4004003	0.80	0.87	50	500	0.1
3/4 x 1/8	23HB4006001	24HB4006001	0.94	1.06	50	500	0.2
3/4 x 1/4	23HB4006002	24HB4006002	0.94	1.06	50	500	0.2
3/4 x 3/8	23HB4006003	24HB4006003	0.94	1.06	50	500	0.2
3/4 x 1/2	23HB4006004	24HB4006004	0.94	1.06	50	500	0.2
1 x 1/8	23HB4010001	24HB4010001	1.00	1.31	50	500	0.3
1 x 1/4	23HB4010002	24HB4010002	1.00	1.31	50	500	0.4
1 x 3/8	23HB4010003	24HB4010003	1.00	1.31	50	500	0.4
1 x 1/2	23HB4010004	24HB4010004	1.00	1.31	50	500	0.4
1 x 3/4	23HB4010006	24HB4010006	1.00	1.31	50	500	0.4

Fig. 29DC14 – 304 SS Drop Pipe Coupling

Size IN	Part Number	A IN	B IN	C IN	D IN	Packing Inner	Packing Master	Weight LB
1	29DC14010	2.50	1.67	0.51	0.88	15	90	0.7
1-1/4	29DC14012	2.50	2.03	0.51	1.06	20	80	0.8
1-1/2	29DC14014	2.50	2.31	0.63	1.16	7	42	1.0
2	29DC14020	2.50	2.75	0.63	1.30	5	30	1.2

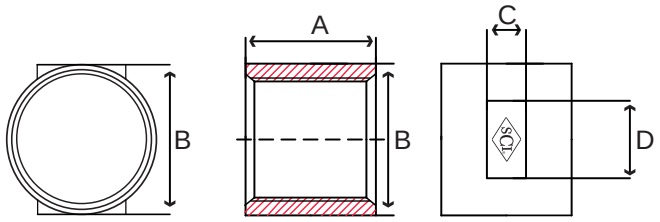
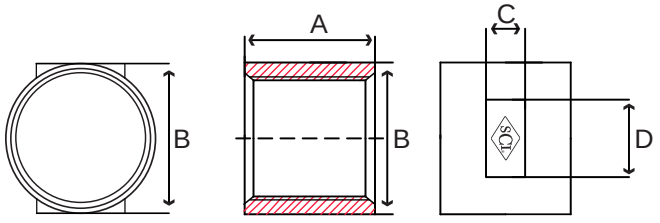


Fig. 28DC1 – Brass Drop Pipe Coupling

Size IN	Part Number	A IN	B IN	C IN	D IN	Packing Inner	Packing Master	Weight LB
1	28DC1010	2.50	1.67	0.51	0.88	15	90	0.7
1-1/4	28DC1012	2.50	2.03	0.51	1.06	20	80	0.8
1-1/2	28DC1014	2.50	2.31	0.63	1.16	7	42	1.0
2	28DC1020	2.50	2.75	0.63	1.30	5	30	1.2



Notes

COOPLET
SCI
11/4x5-8
2 1/2 x 3
SCI
COOPLET

SMITH-COOPER®
INTERNATIONAL

COOPLET®
Weld Outlets & Adapter Nipples

Weld Outlet Specifications

- SCI Branded COOPLET® Weld Outlets are UL Listed and FM Approved at 300 psi
- COOPLET® Weld Outlets (Threaded) conform to ASTM A106, ASME B1.20.1
- COOPLET® Grooved Weld Outlets are made from Sch. 40 Pipe
- COOPLET® Grooved Weld Outlets size on size are UL Listed Only
- All Grooves are cut grooved Are A53, AWWA C606 (cut grooved specifications on page 70)

c UL us LISTED
FM APPROVED

COOPLET® Weld Outlets are UL Listed and FM Approved for use on Sch 10, Sch 40 and the following sprinkler pipe

Pipe Name	Manufacturers
Dyna- Thread®, Central- Thread®, XL® , XL-II® , Dyna-Flow®, Super 40®, Super- Flo®, TL®, Central 7®, BLT®	Allied Tube and Conduit Corp.
Eddylite®, Eddy Flow®, Eddy Thread 40®	Bull Moose Tube Co.
Gal-7®	IDOD Systems Co.
EZ-Flow®	Northwest Pipe Company
WLS®, Mega Flow®, Mega- Thread®, MLT®, GL®	Wheatland Tube Company
Steady Flow®, Steady Thread®	Welded Tube Corp.
Fire-Flo®, Ez- Thread®	Youngstown Tube Co.
Tex- Flow®	Tex- Tube International
Fire Line Flow®, Rapid Thread®, Rapid-Thread Light®	Western International Forest Products Inc.

Adapter Nipple Specifications

- COOPLET® Adapter Nipples conform to ASTM A106, ASME B1.20.1, ASME B36.10, and AWWA C606
- All grooves are cut grooved (cut grooved specifications on page 70)

c UL us LISTED

FM APPROVED

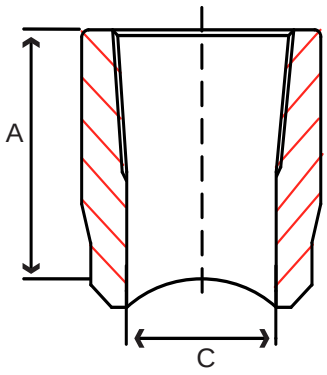
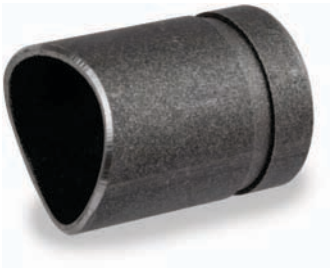
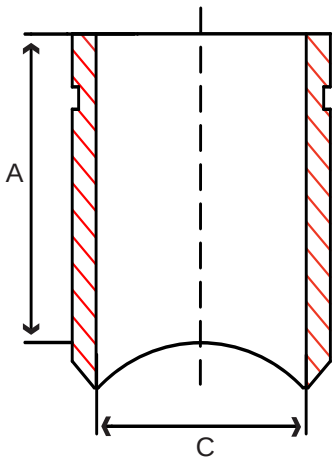


Fig. 61FT1 – Threaded Weld Outlet

Size IN	Pipe Run Size	Part Number	A IN	C IN	Packing Inner	Packing Master	Weight LB
1/2	1 to 1-1/2	61FT1004010	1.063	0.750	50	400	0.1
1/2	2 to 2-1/2	61FT1004020	1.063	0.750	50	400	0.1
1/2	3 to 8	61FT1004030	1.063	0.750	50	400	0.1
3/4	1 to 1-1/2	61FT1006010	1.125	0.875	50	300	0.2
3/4	2 to 2-1/2	61FT1006020	1.125	0.875	50	300	0.2
3/4	2-1/2	61FT1006024	1.125	0.875	50	300	0.2
3/4	3 to 8	61FT1006030	1.125	0.875	50	300	0.2
1	1-1/4 to 1-1/2	61FT1010012	1.250	1.125	50	200	0.2
1	2 to 2-1/2	61FT1010020	1.250	1.125	50	200	0.2
1	2-1/2	61FT1010024	1.250	1.125	50	200	0.2
1	3 to 4	61FT1010030	1.250	1.125	50	200	0.2
1	5 to 8	61FT1010060	1.250	1.125	50	200	0.2
1-1/4	1-1/2	61FT1012014	1.375	1.500	70	140	0.3
1-1/4	2	61FT1012020	1.375	1.500	70	140	0.3
1-1/4	2-1/2	61FT1012024	1.375	1.500	70	140	0.3
1-1/4	3 to 4	61FT1012030	1.375	1.500	70	140	0.3
1-1/4	5 to 8	61FT1012060	1.375	1.500	70	140	0.3
1-1/2	2	61FT1014020	1.625	1.625	50	100	0.5
1-1/2	2-1/2	61FT1014024	1.625	1.625	50	100	0.5
1-1/2	3	61FT1014030	1.625	1.625	50	100	0.5
1-1/2	4 to 5	61FT1014040	1.625	1.625	50	100	0.5
1-1/2	6 to 8	61FT1014060	1.625	1.625	50	100	0.5
2	2-1/2	61FT1020024	1.750	2.000	25	50	0.8
2	3	61FT1020030	1.750	2.000	25	50	0.8
2	4 to 5	61FT1020040	1.750	2.000	25	50	0.8
2	6 to 8	61FT1020060	1.750	2.000	25	50	0.8
2-1/2	3	61FT1024030	2.215	2.500	15	30	1.4
2-1/2	4	61FT1024040	2.215	2.500	15	30	1.4
2-1/2	6	61FT1024060	2.215	2.500	15	30	1.4
2-1/2	8	61FT1024080	2.215	2.500	15	30	1.4
3	4	61FT1030040	2.500	3.000	8	16	2.4
3	6	61FT1030060	2.500	3.000	8	16	2.3
3	8	61FT1030080	2.500	3.000	8	16	2.3
4	6	61FT1040060	3.000	4.000	4	8	4.1
4	8	61FT1040080	3.000	4.000	4	8	4.0





*All Grooves are Cut Grooved

(Cut grooved specifications on page 70)

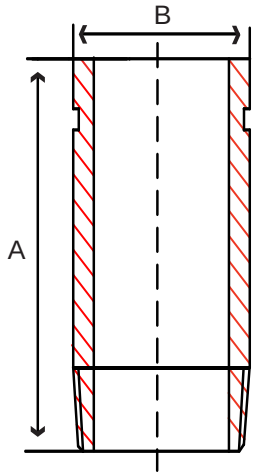
Fig. 61CG1 – Grooved Weld Outlet

Size IN	Pipe Run Size	Part Number	A IN	C IN	Packing		Weight LB
					Inner	Master	
1-1/4	1-1/2	61CG1012014	3.00	1.38	40	80	0.5
1-1/4	2	61CG1012020	3.00	1.38	40	80	0.5
1-1/4	2-1/2	61CG1012024	3.00	1.38	40	80	0.5
1-1/4	3	61CG1012030	3.00	1.38	40	80	0.5
1-1/4	4 to 5	61CG1012040	3.00	1.38	40	80	0.5
1-1/4	6 to 8	61CG1012060	3.00	1.38	40	80	0.5
1-1/2	2	61CG1014020	3.00	1.61	25	50	0.6
1-1/2	2-1/2	61CG1014024	3.00	1.61	25	50	0.6
1-1/2	3	61CG1014030	3.00	1.61	25	50	0.6
1-1/2	4 to 5	61CG1014040	3.00	1.61	25	50	0.6
1-1/2	6 to 8	61CG1014060	3.00	1.61	25	50	0.6
2	2-1/2	61CG1020024	3.00	2.00	16	32	0.8
2	3	61CG1020030	3.00	2.00	16	32	0.8
2	4 to 5	61CG1020040	3.00	2.00	16	32	0.8
2	6	61CG1020060	3.00	2.00	16	32	0.8
2	8	61CG1020080	3.00	2.00	16	32	0.8
2-1/2	3	61CG1024030	3.00	2.50	12	24	1.3
2-1/2	4 to 5	61CG1024040	3.00	2.50	12	24	1.3
2-1/2	6	61CG1024060	3.00	2.50	12	24	1.3
2-1/2	8	61CG1024080	3.00	2.50	12	24	1.3
3	4	61CG1030040	3.00	3.00	6	12	1.8
3	6	61CG1030060	3.00	3.00	6	12	1.8
3	8	61CG1030080	3.00	3.00	6	12	1.7
4	6	61CG1040060	4.00	4.00	4	8	3.5
4	8	61CG1040080	4.00	4.00	4	8	3.4
6	8	61CG1060080	4.00	6.00	-	2	6.5

*Fig. 61CG1 – Grooved Weld Outlet (size on size)**

Size IN	Pipe Run Size	Part Number	A IN	C IN	Packing		Weight LB
					Inner	Master	
1-1/4	1-1/4	61CG1012012	3.00	1.38	40	80	0.5
1-1/2	1-1/2	61CG1014014	3.00	1.61	25	50	0.6
2	2	61CG1020020	3.00	2.00	16	32	0.8
2-1/2	2-1/2	61CG1024024	3.00	2.50	12	24	1.3
3	3	61CG1030030	3.00	3.00	6	12	1.8
4	4	61CG1040040	4.00	4.00	4	8	3.5
6	6	61CG1060060	4.00	6.00	-	2	6.5
8	8	61CG1080080	4.00	8.00	-	2	11.6

***Size on Size Grooved Weld Outlets are UL Listed Only**



*All Grooves are Cut Grooved

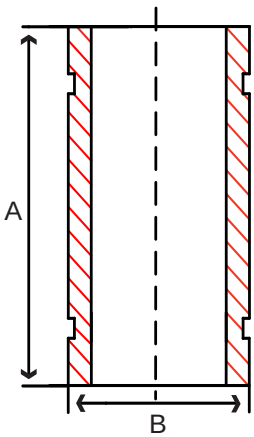
(Cut grooved specifications on page 70)

Fig. 61TG4 – Schedule 40 Threaded x Grooved Adapter Nipple

Size IN	Part Number	A IN	B IN	TPI	Master	Weight LB
1 x 4	61TG4010040	4.00	1.32	11.5	100	0.5
1-1/4 x 4	61TG4012040	4.00	1.66	11.5	50	0.6
1-1/2 x 4	61TG4014040	4.00	1.90	11.5	50	0.7
1-1/2 x 12	61TG4014120	12.00	1.90	11.5	15	2.6
2 x 3	61TG4020030	3.00	2.38	11.5	50	0.7
2 x 4	61TG4020040	4.00	2.38	11.5	25	1.0
2 x 6	61TG4020060	6.00	2.38	11.5	25	1.7
2 x 8	61TG4020080	8.00	2.38	11.5	18	2.3
2 x 10	61TG4020100	10.00	2.38	11.5	14	2.9
2 x 12	61TG4020120	12.00	2.38	11.5	14	3.5
2-1/2 x 4	61TG4024040	4.00	2.88	8.0	27	1.6
2-1/2 x 12	61TG4024120	12.00	2.88	8.0	9	5.5
3 x 2-5/8	61TG4030025	2.62	3.50	8.0	24	1.3
3 x 3	61TG4030030	3.00	3.50	8.0	24	1.5
3 x 4	61TG4030040	4.00	3.50	8.0	18	2.1
3 x 6	61TG4030060	6.00	3.50	8.0	12	3.4
3 x 8	61TG4030080	8.00	3.50	8.0	8	4.7
3 x 10	61TG4030100	10.00	3.50	8.0	6	5.9
3 x 12	61TG4030120	12.00	3.50	8.0	6	7.2
4 x 3	61TG4040030	3.00	4.50	8.0	12	1.6
4 x 4	61TG4040040	4.00	4.50	8.0	12	2.6
4 x 6	61TG4040060	6.00	4.50	8.0	8	4.9
4 x 8	61TG4040080	8.00	4.50	8.0	5	6.7
4 x 10	61TG4040100	10.00	4.50	8.0	4	8.5
4 x 12	61TG4040120	12.00	4.50	8.0	4	10.3
5 x 6	61TG4050060	6.00	5.56	8.0	2	6.6
5 x 12	61TG4050120	12.00	5.56	8.0	1	13.9
6 x 6	61TG4060060	6.00	6.63	8.0	2	8.6
6 x 12	61TG4060120	12.00	6.63	8.0	1	18.1
8 x 6	61TG4080060	6.00	8.63	8.0	1	13.2
8 x 12	61TG4080120	12.00	8.63	8.0	1	27.5

Fig. 61TG8 – Schedule 80 Threaded x Grooved Adapter Nipple

Size IN	Part Number	A IN	B IN	TPI	Master	Weight LB
2 x 3	61TG8020030	3.00	2.38	11.5	50	1.1
2 x 4	61TG8020040	4.00	2.38	11.5	25	1.5
2 x 6	61TG8020060	6.00	2.38	11.5	25	2.3
2 x 8	61TG8020080	8.00	2.38	11.5	18	3.2
2 x 10	61TG8020100	10.00	2.38	11.5	12	4.0
2 x 12	61TG8020120	12.00	2.38	11.5	12	4.9
3 x 2-5/8	61TG8030025	2.62	3.50	8.0	24	1.9
3 x 3	61TG8030030	3.00	3.50	8.0	24	2.2
3 x 4	61TG8030040	4.00	3.50	8.0	18	3.0
3 x 6	61TG8030060	6.00	3.50	8.0	12	4.7
3 x 8	61TG8030080	8.00	3.50	8.0	8	6.5
3 x 10	61TG8030100	10.00	3.50	8.0	6	8.2
3 x 12	61TG8030120	12.00	3.50	8.0	6	9.9
4 x 3	61TG8040030	3.00	4.50	8.0	12	3.2
4 x 4	61TG8040040	4.00	4.50	8.0	12	4.5
4 x 6	61TG8040060	6.00	4.50	8.0	8	7.0
4 x 8	61TG8040080	8.00	4.50	8.0	5	9.5
4 x 10	61TG8040100	10.00	4.50	8.0	4	12.0
4 x 12	61TG8040120	12.00	4.50	8.0	4	14.5



*All Grooves are Cut Grooved

(Cut grooved specifications on page 70)

Fig. 61GG4 – Schedule 40 Grooved x Grooved Adapter Nipple

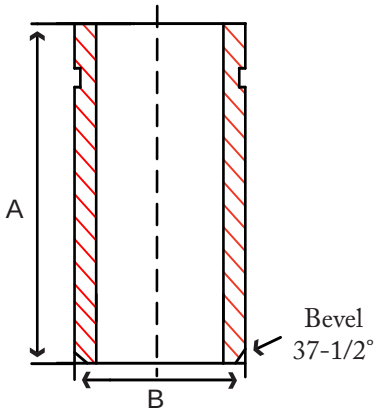
Size IN	Part Number	A IN	B IN	Master	Weight LB
2 x 3	61GG4020030	3.00	2.38	50	0.8
2 x 4	61GG4020040	4.00	2.38	50	1.1
2 x 6	61GG4020060	6.00	2.38	25	1.7
2 x 8	61GG4020080	8.00	2.38	18	2.3
2 x 10	61GG4020100	10.00	2.38	14	2.9
2 x 12	61GG4020120	12.00	2.38	14	3.5
3 x 2-5/8	61GG4030025	2.62	3.50	24	1.5
3 x 3	61GG4030030	3.00	3.50	24	1.7
3 x 4	61GG4030040	4.00	3.50	18	2.4
3 x 6	61GG4030060	6.00	3.50	12	3.6
3 x 8	61GG4030080	8.00	3.50	8	4.9
3 x 10	61GG4030100	10.00	3.50	6	6.2
3 x 12	61GG4030120	12.00	3.50	6	7.4
4 x 3	61GG4040030	3.00	4.50	12	2.4
4 x 4	61GG4040040	4.00	4.50	12	3.3
4 x 6	61GG4040060	6.00	4.50	8	5.1
4 x 8	61GG4040080	8.00	4.50	5	6.9
4 x 10	61GG4040100	10.00	4.50	4	8.7
4 x 12	61GG4040120	12.00	4.50	4	10.3

Fig. 61GG8 – Schedule 80 Grooved x Grooved Adapter Nipple

Size IN	Part Number	A IN	B IN	Master	Weight LB
2 x 3	61GG8020030	3.00	2.38	50	1.1
2 x 4	61GG8020040	4.00	2.38	25	1.5
2 x 6	61GG8020060	6.00	2.38	25	2.4
2 x 8	61GG8020080	8.00	2.38	18	3.2
2 x 10	61GG8020100	10.00	2.38	12	4.1
2 x 12	61GG8020120	12.00	2.38	12	4.9
3 x 2-5/8	61GG8030025	2.62	3.50	24	2.1
3 x 3	61GG8030030	3.00	3.50	24	2.4
3 x 4	61GG8030040	4.00	3.50	18	3.3
3 x 6	61GG8030060	6.00	3.50	12	5.0
3 x 8	61GG8030080	8.00	3.50	8	6.7
3 x 10	61GG8030100	10.00	3.50	6	8.4
3 x 12	61GG8030120	12.00	3.50	6	10.1
4 x 3	61GG8040030	3.00	4.50	12	3.4
4 x 4	61GG8040040	4.00	4.50	12	4.7
4 x 6	61GG8040060	6.00	4.50	8	7.2
4 x 8	61GG8040080	8.00	4.50	5	9.7
4 x 10	61GG8040100	10.00	4.50	4	12.2
4 x 12	61GG8040120	12.00	4.50	4	14.7

Fig. 61GG4 – Schedule 40 Grooved x Bevel Adapter Nipple

Size IN	Part Number	A IN	B IN	Master	Weight LB
1 x 3	61GB4010030	3.00	1.32	150	0.3
1 x 4	61GB4010040	4.00	1.32	100	0.5
1-1/4 x 4	61GB4012040	4.00	1.66	50	0.6
1-1/2 x 4	61GB4014040	4.00	1.90	50	0.7
2 x 4	61GB4020040	4.00	2.38	25	1.1
2-1/2 x 4	61GB4024040	4.00	2.88	27	1.6
3 x 4	61GB4030040	4.00	3.50	18	2.4
4 x 6	61GB4040060	6.00	4.50	8	5.1
5 x 6	61GB4050060	6.00	5.56	2	6.6
6 x 6	61GB4060060	6.00	6.63	2	8.6
8 x 6	61GB4080060	6.00	8.63	2	13.2



*All Grooves are Cut Grooved
(Cut grooved specifications on page 70)

Notes

SCH. 40 STEEL
NIPPLES
ASTM A733 ASTM A53
ANSI/ASME B1.20.1 ISO-9001
SCH. 40 STEEL
NIPPLES
ASTM A733 ASTM A53
ANSI/ASME B1.20.1 ISO-9001

SMITH-COOPER®
INTERNATIONAL

Steel Nipples and Brass Nipples

Welded Sch 40 & Sch 80 Specifications

- SCI branded
- Black and hot-dipped galvanized steel pipe used conforms to ASTM A53
- Canadian Registration Numbers available at www.smithcooper.com
- Welded steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI Trademark and tracking number
- Domestic nipples available upon request
- Galvanized nipples are certified to; NSF/ANSI 61-4 and California AB1953 Lead Free

Seamless Sch 40, Sch 80, and XXH Specifications

- SCI branded
- Seamless steel pipe used conforms to ASTM A106 Grade B
- Canadian Registration Numbers available at www.smithcooper.com
- Seamless steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI trademark and heat number
- Domestic nipples available upon request

Seamless Sch 40 Red Brass Specifications

- SCI Branded
- Canadian Registration Numbers available at www.smithcooper.com
- Seamless brass pipe conforms to ASTM B43
- Seamless brass nipples conform to ASTM B687
- NPT threads on nipples conform to ASME B1.20.1
- Certified to CA AB1953 Lead Free

* Special ends finishes and lengths available upon request

Fig. 83NI4 & 84NI4 Black and Galvanized Schedule 40 Carbon Steel Pipe Nipples

Size IN	Close Length IN	Weight per Each (LB) / Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.15	0.16	0.18	0.21	0.23	0.25
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/200	25/200	25/200	25/200
1/4	7/8	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.14	0.16	0.18	0.20	0.23	0.27	0.30	0.34	0.38	0.41
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/300	25/200	25/200	25/200	20/160	20/160	20/160
3/8	1	0.03	0.06	0.09	0.11	0.14	0.16	0.19	0.22	0.24	0.27	0.30	0.35	0.40	0.46	0.51	0.56	0.62
		25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/100
1/2	1-1/8	0.05	0.08	0.12	0.15	0.19	0.22	0.26	0.29	0.33	0.36	0.40	0.47	0.54	0.61	0.68	0.75	0.83
		25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/75
3/4	1-3/8	0.08	0.10	0.15	0.20	0.24	0.29	0.34	0.39	0.43	0.48	0.53	0.62	0.72	0.81	0.91	1.00	1.09
		25/400	25/400	25/300	25/300	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50
1	1-1/2	0.14		0.16	0.23	0.30	0.37	0.44	0.51	0.58	0.65	0.72	0.86	1.00	1.14	1.28	1.42	1.56
		25/200		25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50	20/40	20/40	20/40
1-1/4	1-5/8	0.21		0.27	0.36	0.45	0.55	0.64	0.74	0.83	0.93	1.02	1.21	1.40	1.59	1.78	1.97	2.16
		25/150		25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	25/50	15/30	15/30	15/30	-/30	-/30	-/30
1-1/2	1-3/4	0.26		0.32	0.43	0.55	0.66	0.77	0.89	1.00	1.11	1.23	1.45	1.68	1.91	2.13	2.36	2.59
		25/100		25/100	25/50	25/50	25/50	25/50	25/50	20/40	20/40	20/40	-/35	-/35	-/35	-/15	-/15	-/15
2	2	0.46			0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.98	2.28	2.59	2.89	3.20	3.50
		25/50			25/50	-/50	-/25	-/25	-/25	-/25	-/25	-/25	-/18	-/18	-/18	-/14	-/14	-/14
2-1/2	2-1/2	0.75				0.95	1.19	1.43	1.67	1.91	2.16	2.40	2.88	3.36	3.85	4.33	4.81	5.30
		-/36				-/36	-/27	-/27	-/24	-/18	-/18	-/18	-/14	-/12	-/12	-/9	-/9	-/9
3	2-5/8	0.99				1.19	1.50	1.82	2.14	2.45	2.77	3.08	3.72	4.35	4.98	5.61	6.24	6.88
		-/24				-/24	-/18	-/18	-/16	-/12	-/12	-/12	-/9	-/8	-/8	-/6	-/6	-/6
3-1/2	2-3/4	2.08						3.03	3.41	3.79	4.17	4.55	5.31	6.10	6.83	7.59	8.34	9.11
		-/15						-/12	-/10	-/8	-/8	-/8	-/5	-/5	-/5	-/4	-/4	-/4
4	2-7/8	1.74						3.59	4.04	4.49	4.94	5.39	6.29	7.19	8.09	8.99	9.89	10.79
		-/15						-/12	-/10	-/8	-/8	-/8	-/5	-/5	-/5	-/4	-/4	-/4
5	3	4.26						3.83	4.31	5.05	5.72	6.27	6.27	8.70	10.96	11.14	12.25	13.58
		-/4						-/4	-4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/1	-/1
6	3-1/8	3.19						4.17	5.06	5.94	6.83	7.72	11.06	11.27	13.04	14.82	16.59	18.37
		-/4						-/4	-/4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/1	-/1
8	3-1/2	6.87										12.83	14.97	17.59	19.24	21.38	23.52	27.12
		-/1										-/1	-/1	-/1	-/1	-/1	-/1	-/1

Size IN	Weight per Each (LB) / Packing (Pieces / Bundle)						
	18	24	30	36	48	60	72
1/2	1.26	1.68	2.11	2.54	3.39	4.25	5.10
	5	5	5	5	5	5	5
3/4	1.67	2.23	2.80	3.37	3.94	5.64	6.78
	5	5	5	5	5	5	5
1	18.03	13.25	4.09	4.93	6.60	8.28	9.96
	5	5	5	5	5	5	5
1-1/4	3.30	4.44	5.58	6.72	9.00	11.28	13.55
	2	2	2	2	2	2	2
1-1/2	3.95	5.31	6.67	8.03	10.75	13.48	16.20
	2	2	2	2	2	2	2
2	5.33	7.16	8.99	10.82	14.47	18.13	21.78
	2	2	2	2	2	2	2
2-1/2	7.73	11.10	14.49	16.90	22.70	30.00	34.00
	1	1	1	1	1	1	1
3	10.68	14.47	18.26	22.06	29.64	37.23	44.00
	1	1	1	1	1	1	1
4	15.18	20.58	25.98	31.38	42.18	52.98	63.78
	1	1	1	1	1	1	1
6	28.46	34.78	39.68	45.94	56.91	66.40	79.35
	1	1	1	1	1	1	1

Steel Nipples - Schedule 40 Welded

Fig. 83NA4 & 84NA4 Schedule 40 Tote Tray Assortments

Size IN	Part Number		Package Contents of Each Nipple Size											Total Pieces	Weight LB
	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	83NA4004C	84NA4004C	6	6	6	6	6	6	6	6	6	6	6	66	15
3/4	83NA4006C	84NA4006C	6	6	6	6	6	6	6	6	6	6	6	66	19
1	83NB4010C	84NB4010C	6		6	6	6	6	6	6	6	6	6	60	25

Fig. 83NB4 & 84NB4 Schedule 40 B Assortments

Size IN	Part Number		Package Contents of Each Nipple Size											Total Pieces	Weight LB
	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1-1/4	83NB4012C	84NB4012C	6		6	6	6	6	6	6	6	6	6	60	37
1-1/2	83NB4014C	84NB4014C	6		6	6	6	6	6	6	6	6	6	60	45
2	83NB4020C	84NB4020C	6			6	6	6	6	6	6	6	6	54	58

Fig. 83ND4 & 84ND4 Schedule 40 25 Piece D Assortments

Size IN	Part Number		Package Contents of Each Nipple Size											Total Pieces	Weight LB
	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	83ND4004C	84ND4004C	4	3	3	3	2	2	2	1	2	1	2	25	5
3/4	83ND4006C	84ND4006C	6		4	3	2	2	2	1	2	1	2	25	7
1	83ND4010C	-	5		5	3	2	2	2	1	2	1	2	25	10

Fig. 83SR4 & 84SR4 Schedule 40 Single-Run Assortments Thru 6”

Size IN	Part Number		Package Contents of Each Nipple Size											Total Pieces	Weight LB
	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/4	83SR4002C	-	1	1	1	1	1	1	1	1	1	1	1	11	1
3/8	83SR4003C	-	1	1	1	1	1	1	1	1	1	1	1	11	2
1/2	83SR4004C	84SR4004C	1	1	1	1	1	1	1	1	1	1	1	11	2
3/4	83SR4006C	84SR4006C	1	1	1	1	1	1	1	1	1	1	1	11	3
1	83SR4010C	84SR4010C	1		1	1	1	1	1	1	1	1	1	10	4
1-1/4	83SR4012C	84SR4012C	1		1	1	1	1	1	1	1	1	1	10	7
1-1/2	83SR4014C	84SR4014C	1		1	1	1	1	1	1	1	1	1	10	8
2	83SR4020C	84SR4020C	1			1	1	1	1	1	1	1	1	9	10

Fig. 83SR4 & 84SR4 Schedule 40 Single-Run Assortments Thru 12”

Size IN	Part Number	Package Contents of Each Nipple Size																Total Pieces	Weight LB
	Black	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12	
1/2	83SR4004120C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	6
3/4	83SR4006120C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	8
1	83SR4010120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	11
1-1/4	83SR4012120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	16
1-1/2	83SR4014120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	19
2	83SR4020120C	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	26

Fig. 83RL4 & 84RL4 Schedule 40 Right and Left Nipples

Size IN	Part Number		Packing		Weight LB
	Black	Galvanized	Inner	Master	
1/2 x 4	83RL4004040C	84RL4004040C	25	200	0.26
3/4 x 4	83RL4006040C	84RL4006040C	25	150	0.34
1 x 4	83RL4010040C	84RL4010040C	25	100	0.45
1-1/4 x 4	83RL4012040C	84RL4012040C	25	50	0.65
1-1/2 x 4	83RL4014040C	84RL4014040C	25	50	0.78
2 x 4	83RL4020040C	84RL4020040C	-	25	1.07

Fig. 83TL4 Schedule 40 Tank Legs

Size IN	Part Number	Packing		Weight LB
	Black	Inner	Master	
1-1/4 x 10	83TL4012100C	-	-	1.89
1-1/4 x 12	83TL4012120C	-	-	2.27

Fig. 83NI8 & 84NI8 Black and Galvanized Schedule 80 Carbon Steel Pipe Nipples

Size IN	Close Length	Weight per Each (LB) Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.02	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.14	0.16	0.18	0.20	0.22	0.25	0.27	0.30
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/200	25/200	25/200	25/200
1/4	7/8	0.03	0.05	0.08	0.10	0.13	0.15	0.17	0.19	0.21	0.24	0.27	0.31	0.35	0.39	0.43	0.45	0.48
		25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/300	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100
3/8	1	0.05	0.08	0.10	0.15	0.18	0.21	0.24	0.27	0.31	0.33	0.37	0.43	0.47	0.53	0.59	0.64	0.70
		25/400	25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/100	25/75
1/2	1-1/8	0.08	0.11	0.15	0.20	0.24	0.29	0.35	0.39	0.42	0.49	0.52	0.60	0.71	0.73	0.89	0.99	1.05
		25/400	25/400	25/400	25/300	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50
3/4	1-3/8	0.14	0.16	0.22	0.28	0.34	0.40	0.46	0.53	0.59	0.65	0.71	0.83	0.96	1.09	1.21	1.34	1.46
		25/400	25/400	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/75	25/50	25/50	25/50	20/40	20/40
1	1-1/2	0.21		0.31	0.39	0.48	0.58	0.67	0.76	0.86	0.96	1.05	1.26	1.43	1.62	1.80	2.02	2.18
		25/200		25/200	25/150	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50	20/40	20/40	15/30	15/30	15/30
1-1/4	1-5/8	0.31		0.42	0.55	0.65	0.79	0.92	1.06	1.18	1.31	1.43	1.67	1.84	1.54	2.47	2.72	2.99
		25/150		25/100	25/100	25/75	25/50	25/50	25/50	25/50	20/40	20/40	15/30	15/30	15/30	- /20	- /20	- /20
1-1/2	1-3/4	0.41		0.49	0.63	0.77	0.94	1.08	1.25	1.38	1.59	1.71	2.04	2.34	2.63	2.88	3.33	3.57
		25/100		25/100	25/50	25/50	25/50	25/50	- /50	- /40	- /32	- /32	- /25	- /20	- /20	- /10	- /10	- /10
2	2	0.66			0.89	1.09	1.29	1.51	1.77	1.99	2.24	2.35	2.01	3.17	3.59	4.00	4.40	4.90
		25/50			25/50	- /50	- /25	- /25	- /25	- /25	- /25	- /25	- /18	- /18	- /15	- /12	- /12	- /12
2-1/2	2-1/2	1.19				1.49	1.74	2.05	2.37	2.67	2.98	3.33	3.89	4.61	5.21	5.91	6.50	7.17
		-/36				- /36	- /27	- /27	- /24	- /18	- /18	- /18	- /14	- /12	- /9	- /9	- /9	- /8
3	2-5/8	1.75				2.05	2.47	2.90	3.25	3.74	4.15	4.50	5.29	6.27	7.39	8.00	9.76	10.64
		-/24				- /24	- /18	- /18	- /16	- /12	- /12	- /12	- /9	- /8	- /8	- /6	- /6	- /6
3-1/2	2-3/4	2.61						3.79	4.26	4.74	5.22	5.69	6.64	7.59	8.54	9.49	10.44	11.38
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4
4	2-7/8	2.84						4.12	4.71	5.44	6.07	6.31	8.04	9.18	10.33	11.48	12.63	13.77
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4
5	3	4.78						6.37	7.17	7.97	8.76	9.56	11.15	12.75	14.34	15.93	17.52	19.12
		-/4						-/4	-4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/1	-/1
6	3-1/8	6.97						8.76	9.86	10.95	12.05	13.14	15.33	17.52	19.71	21.90	24.09	26.28
		-/4						-/4	-/4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/1	-/1

Fig. 83NA8 Schedule 80 Tote Tray Assortments

Size IN	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight LB
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	83NA8004C	6	6	6	6	6	6	6	6	6	6	6	66	19
3/4	83NA8006C	6	6	6	6	6	6	6	6	6	6	6	66	27
1	83NA8010C	6		6	6	6	6	6	6	6	6	6	60	38

Fig. 83SR8 Schedule 80 Single-Run Assortments Thru 6”

Size IN	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight LB
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
3/8	83SR8003C	1	1	1	1	1	1	1	1	1	1	1	11	3
1/2	83SR8004C	1	1	1	1	1	1	1	1	1	1	1	11	3
3/4	83SR8006C	1	1	1	1	1	1	1	1	1	1	1	11	4
1	83SR8010C	1		1	1	1	1	1	1	1	1	1	10	6
1-1/4	83SR8012C	1		1	1	1	1	1	1	1	1	1	10	8
1-1/2	83SR8014C	1		1	1	1	1	1	1	1	1	1	10	10
2	83SR8020C	1			1	1	1	1	1	1	1	1	9	13

Fig. 73NI8 Black Schedule 80 Carbon Steel Pipe Nipples

Size IN	Close Length	Weight per Each (LB) / Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.02	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.14	0.16	0.18	0.20	0.22	0.25	0.27	0.30
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/200	25/200	25/200	25/200
1/4	7/8	0.03	0.05	0.08	0.10	0.13	0.15	0.17	0.19	0.21	0.24	0.27	0.31	0.35	0.39	0.43	0.45	0.48
		25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/300	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100
3/8	1	0.05	0.08	0.10	0.15	0.18	0.21	0.24	0.27	0.31	0.33	0.37	0.43	0.47	0.53	0.59	0.64	0.70
		25/400	25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/100	25/75
1/2	1-1/8	0.08	0.11	0.15	0.20	0.24	0.29	0.35	0.39	0.42	0.49	0.52	0.60	0.71	0.73	0.89	0.99	1.05
		25/400	25/400	25/400	25/300	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50
3/4	1-3/8	0.14	0.16	0.22	0.28	0.34	0.40	0.46	0.53	0.59	0.65	0.71	0.83	0.96	1.09	1.21	1.34	1.46
		25/400	25/400	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/75	25/50	25/50	25/50	20/40	20/40
1	1-1/2	0.21		0.31	0.39	0.48	0.58	0.67	0.76	0.86	0.96	1.05	1.26	1.43	1.62	1.80	2.02	2.18
		25/200		25/200	25/150	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50	20/40	20/40	15/30	15/30	15/30
1-1/4	1-5/8	0.31		0.42	0.55	0.65	0.79	0.92	1.06	1.18	1.31	1.43	1.67	1.84	1.54	2.47	2.72	2.99
		25/150		25/100	25/100	25/75	25/50	25/50	25/50	25/50	20/40	20/40	15/30	15/30	15/30	- /20	- /20	- /20
1-1/2	1-3/4	0.41		0.49	0.63	0.77	0.94	1.08	1.25	1.38	1.59	1.71	2.04	2.34	2.63	2.88	3.33	3.57
		25/100		25/100	25/50	25/50	25/50	25/50	- /50	- /40	- /32	- /32	- /25	- /20	- /20	- /10	- /10	- /10
2	2	0.66			0.89	1.09	1.29	1.51	1.77	1.99	2.24	2.35	2.01	3.17	3.59	4.00	4.40	4.90
		25/50			25/50	- /50	- /25	- /25	- /25	- /25	- /25	- /25	- /18	- /18	- /15	- /12	- /12	- /12
2-1/2	2-1/2	1.19				1.49	1.74	2.05	2.37	2.67	2.98	3.33	3.89	4.61	5.21	5.91	6.50	7.17
		-/36				- /36	- /27	- /27	- /24	- /18	- /18	- /18	- /14	- /12	- /9	- /9	- /9	- /8
3	2-5/8	1.75				2.05	2.47	2.90	3.25	3.74	4.15	4.50	5.29	6.27	7.39	8.00	9.76	10.64
		-/24				- /24	- /18	- /18	- /16	- /12	- /12	- /12	- /9	- /8	- /8	- /6	- /6	- /6
3-1/2	2-3/4	2.61						3.79	4.26	4.74	5.22	5.69	6.64	7.59	8.54	9.49	10.44	11.38
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4
4	2-7/8	2.84						4.12	4.71	5.44	6.07	6.31	8.04	9.18	10.33	11.48	12.63	13.77
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4

Fig. 73SR8 Schedule 80 Single-Run Assortments Thru 6”

Size IN	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight LB
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	73SR8004C	1	1	1	1	1	1	1	1	1	1	1	11	3
3/4	73SR8006C	1	1	1	1	1	1	1	1	1	1	1	11	5
1	73SR8010C	1		1	1	1	1	1	1	1	1	1	10	7
1-1/4	73SR8012C	1		1	1	1	1	1	1	1	1	1	10	9
1-1/2	73SR8014C	1		1	1	1	1	1	1	1	1	1	10	11
2	73SR8020C	1		1	1	1	1	1	1	1	1	1	9	13
2-1/2	73SR8024C	1				1	1	1	1	1	1	1	8	18
3	73SR8030C	1				1	1	1	1	1	1	1	8	25
4	73SR8040C	1						1	1	1	1	1	6	30

Fig. 75NIX Black XXH Carbon Steel Pipe Nipples

Size IN	Close Length	Weight per Each (LB) Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1	1-1/2	0.47		0.62	0.76	0.93	1.08	1.22	1.37	1.54	1.69	1.84	2.13	2.44	2.75	3.05	3.36	3.66
		-/100		-/100	-/75	-/50	-/50	-/40	-/40	-/25	-/25	-/25	-/25	-/20	-/20	-/15	-/15	-/15
2	2	1.52			1.89	2.27	2.64	3.01	3.39	3.77	4.15	4.53	5.28	6.02	6.78	7.54	8.29	9.04
		-/25			-/20	-/10	-/15	-/10	-/10	-/10	-/5	-/10	-/5	-/5	-/5	-/5	-/5	-/5
2-1/2	2-1/2	2.93				3.55	4.09	4.67	5.25	5.84	6.43	6.96	8.12	9.28	10.45	11.61	12.76	13.93
		-/18				-/18	-/13	-/13	-/13	-/9	-/9	-/9	-/7	-/6	-/4	-/4	-/4	-/4
3	2-5/8	4.16				4.17	5.55	6.33	7.13	7.93	8.72	9.56	12.39	14.16	15.49	17.70	18.58	21.24
		-/12				-/12	-/9	-/9	-/8	-/6	-/6	-/6	-/4	-/4	-/4	-/4	-/3	-/3
4	2-7/8	2.84						9.00	10.13	11.25	12.38	13.55	16.13	18.43	20.71	23.00	25.30	27.60
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4

Steel Nipple Part Numbers

83NI 4 020 120 C

Product Group	
83NI	Black
84NI	Galvanized
73NI	Seamless
75NI	XXH

Pressure Rating	
4	Schedule 40
8	Schedule 80
X	XXH

Diameter

Length

Country of Origin	
	USA
C	China
U	China w/ Bar Code Label

Size					
001	1/8	016	1-3/4	090	9
002	1/4	020	2	100	10
003	3/8	024	2-1/2	110	11
004	1/2	030	3	120	12
006	3/4	034	3-1/2	180	18
007	7/8	040	4	240	24
010	1	044	4-1/2	300	30
011	1-1/8	050	5	360	36
012	1-1/4	054	5-1/2	480	48
013	1-3/8	060	6	600	60
014	1-1/2	070	7	720	72
015	1-5/8	080	8		

Wall Thickness Chart

Nominal Pipe Size	Outside Diameter	Sch 40 Wall Thickness	Sch 80 Wall Thickness	XXH Wall Thickness
1/8	0.405	0.068	0.095	N/A
1/4	0.540	0.088	0.119	N/A
3/8	0.675	0.091	0.126	N/A
1/2	0.840	0.109	0.147	N/A
3/4	1.050	0.113	0.154	N/A
1	1.315	0.133	0.179	0.358
1-1/4	1.660	0.140	0.191	0.382
1-1/2	1.900	0.145	0.200	0.400
2	2.375	0.154	0.218	0.436
2-1/2	2.875	0.203	0.276	0.552
3	3.500	0.216	0.300	0.600
3-1/2	4.000	0.226	0.318	N/A
4	4.500	0.237	0.337	0.674
5	5.563	0.258	0.375	N/A
6	6.625	0.280	0.432	N/A
8	8.625	0.322	0.500	N/A

Brass Nipples - Schedule 40 Seamless

Fig. 86NI4 Schedule 40 Brass Nipples

Size IN	Close Length	Weight per Each (LB) Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.01	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.14	0.16	0.19	0.21	0.23	0.25
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400
1/4	7/8	0.02	0.05	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.21	0.25	0.29	0.33	0.36	0.40	0.44
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/200	25/200	25/200	25/200	25/200	25/200
3/8	1	0.04	0.06	0.09	0.12	0.14	0.17	0.19	0.22	0.25	0.27	0.30	0.35	0.40	0.46	0.51	0.56	0.61
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/300	25/150	25/150	25/100	25/100	25/100	25/100
1/2	1-1/8	0.06	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	0.43	0.51	0.59	0.67	0.75	0.82	0.90
		25/400	25/400	25/400	25/300	25/300	25/300	25/200	25/200	25/200	25/200	25/200	25/100	25/100	25/100	25/100	25/100	25/100
3/4	1-3/8	0.10	0.11	0.16	0.21	0.27	0.32	0.37	0.43	0.48	0.53	0.58	0.69	0.77	0.90	1.01	1.11	1.22
		25/400	25/400	25/300	25/300	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50
1	1-1/2	0.15		0.23	0.30	0.38	0.45	0.52	0.60	0.67	0.75	0.82	0.97	1.12	1.27	1.41	1.56	1.71
		25/200		25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50	20/40	20/40	20/40
1-1/4	1-5/8	0.25		0.33	0.44	0.55	0.66	0.77	0.88	0.99	1.10	1.21	1.43	1.65	1.86	2.08	2.30	2.52
		25/150		25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	25/50	15/30	15/30	15/30	- /30	- /30	- /30
1-1/2	1-3/4	0.29		0.36	0.49	0.62	0.75	0.88	1.01	1.14	1.27	1.40	1.66	1.92	2.18	2.45	2.71	2.97
		25/100		25/100	25/50	25/50	25/50	25/50	- /50	- /40	- /40	- /40	- /35	- /25	- /25	- /15	- /15	- /15
2	2	0.47			0.64	0.81	0.98	1.16	1.33	1.50	1.67	1.84	2.19	2.53	2.87	3.22	3.56	3.90
		25/50			25/50	- /50	- /25	- /25	- /25	- /25	- /25	- /25	- /18	- /18	- /18	- /14	- /14	- /14
2-1/2	2-1/2	0.84				1.09	1.34	1.59	1.84	2.09	2.34	2.59	3.08	3.58	4.08	4.58	5.08	5.58
		-/36				- /36	- /27	- /27	- /24	- /18	- /18	- /18	- /14	- /12	- /9	- /9	- /9	- /9
3	2-5/8	1.26				1.53	1.88	2.24	2.60	2.95	3.31	3.67	4.38	5.09	5.81	6.52	7.23	7.95
		-/24				- /24	- /18	- /18	- /16	- /12	- /12	- /12	- /9	- /8	- /8	- /6	- /6	- /6
4	2-7/8	2.20				2.33	2.86	3.39	3.92	4.45	4.98	5.51	6.57	7.63	8.68	9.74	10.80	11.86
		- /15				-/15	-/12	- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /5	- /4	- /4	- /4

Size IN	Weight per Each (LB) Packing (Pieces / Bundle)						
	18	24	30	36	48	60	72
1/2	1.37	1.83	2.30	2.77	3.70	4.63	5.56
	5	5	5	5	5	5	5
3/4	1.85	2.49	3.12	3.76	5.03	6.29	7.54
	5	5	5	5	5	5	5
1	2.60	3.49	4.38	5.27	7.05	8.81	10.57
	5	5	5	5	5	5	5
1-1/4	3.84	5.15	6.47	7.78	10.30	12.88	15.45
	5	5	5	5	5	5	5
1-1/2	4.53	6.10	7.66	9.23	12.36	15.45	18.54
	5	5	5	5	5	5	5
2	5.96	8.02	10.08	12.14	16.26	19.95	24.50
	5	5	5	5	5	5	5
2-1/2	8.58	11.57	14.57	17.56	23.20	29.00	38.40
	3	3	3	3	3	3	3
3	12.23	16.51	20.79	25.07	33.63	42.03	50.44
	3	3	3	3	3	3	3
4	18.21	24.56	31.05	37.26	49.96	62.45	74.94
	2	2	2	2	2	2	2

Fig. 86SR4 Schedule 40 Brass Single-Run Assortments

Size IN	Part Number	Package Contents of Each Nipple Size											Total Pieces	Weight LB
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/4	86SR4002C	1	1	1	1	1	1	1	1	1	1	1	11	1.5
3/8	86SR4003C	1	1	1	1	1	1	1	1	1	1	1	11	2.0
1/2	86SR4004C	1	1	1	1	1	1	1	1	1	1	1	11	2.5
3/4	86SR4006C	1	1	1	1	1	1	1	1	1	1	1	11	3.5
1	86SR4010C	1		1	1	1	1	1	1	1	1	1	10	5.0
1-1/4	86SR4012C	1		1	1	1	1	1	1	1	1	1	10	7.0
1-1/2	86SR4014C	1		1	1	1	1	1	1	1	1	1	10	8.0
2	86SR4020C	1			1	1	1	1	1	1	1	1	9	10.0

Brass Nipple Part Numbers

86NI4 020 120 C

Diameter | Length

Country of Origin	
C	China

Product Group	
86NI4	Brass

Size					
001	1/8	016	1-3/4	090	9
002	1/4	020	2	100	10
003	3/8	024	2-1/2	110	11
004	1/2	030	3	120	12
006	3/4	034	3-1/2	180	18
007	7/8	040	4	240	24
010	1	044	4-1/2	300	30
011	1-1/8	050	5	360	36
012	1-1/4	054	5-1/2	480	48
013	1-3/8	060	6	600	60
014	1-1/2	070	7	720	72
015	1-5/8	080	8		

*Fig. 96BP4 Schedule 40 Brass Pipe**

Size IN	Part Number 20 ft Length	OD IN	Wall Thickness IN	Weight / Foot LB
1/8	96BP4001200	0.405	0.068	0.253
1/4	96BP4002200	0.540	0.088	0.447
3/8	96BP4003200	0.675	0.091	0.627
1/2	96BP4004200	0.840	0.109	0.934
3/4	96BP4006200	1.050	0.113	1.27
1	96BP4010200	1.315	0.133	1.78
1-/4	96BP4012200	1.660	0.140	2.63
1-1/2	96BP4014200	1.900	0.145	3.05
2	96BP4020200	2.375	0.154	4.12
2-1/2	96BP4024200	2.875	0.203	5.99
3	96BP4030200	3.500	0.216	8.56
4	96BP4040200	4.500	0.237	12.7

*Sold only in 20' Lengths

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Lead Free Products

Valves, Brass, Fittings, Nipples, & Pipe; Galv: MI Fittings & Steel Pipe

Lead Free Product Listing

- Galvanized malleable iron fittings are certified to; NSF/ANSI 61-4 and California AB1953 Lead Free Pages 73-88
- Galvanized steel nipples are certified to; NSF/ANSI 61-4 and California AB1953 Lead Free Pages 157-158
- Red brass seamless nipples and pipe are certified to California AB 1953 Pages 162-164
- Lead free valves certified to; NSF/ANSI 61-8 and California AB1953 Lead Free Pages 167-171
- Lead free brass fittings certified to; NSF/ANSI 61-4 and California AB1953 Lead Free Pages 172-176

Lead Free Brass Fittings Specifications (pg 172-176)

- Brass fittings conform to AWWA C800
- Brass castings conform to ASTM B584, UNS Alloy C89833
- Brass fittings dimensions conform to ASME B16.15
- NPT threads on all fittings conform to ASME B1.20.1
- Brass unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008
- Thread protectors on all male threads
- Fittings have SCI trademark and are 100% air tested
- Approved to ANSI/NSF 61-4 California AB 1953

Series 8170L & 8171L

Brass Ball Valve

- 600 lb. WOG, 150 lb. WSP
- Full port
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- UL Listed (1/4 ± 2) threaded
- F/M Approved, (1/2 ± 2) CSA Approved under
- z21.15a for 1/2 psiG (1/2 ± 2) ± threaded
- CSA Approved under 3-88 for 5 psiG (1/2 ± 2) ± threaded
- Approved under ANSI/ASME B16.33 spec for Gas Piping to 125 psiG (1/2 ± 2)
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3 (1/2 ± 2)
- Conforms to MSS-SP110
- Certified to NSF/ANSI 61-8 / Annex G Lead Free
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/8	01728170AL	-	10	180	0.3
1/4	01728170CL	-	10	180	0.4
3/8	01728170EL	-	10	180	0.3
1/2	01728170GL	01728171GL	10	120	0.5
3/4	01728170IL	01728171IL	10	90	0.7
1	01728170KL	01728171KL	6	60	1.0
1-1/4	01728170LL	01728171LL	4	36	1.7
1-1/2	01728170ML	01728171ML	4	24	2.3
2	01728170NL	01728171NL	2	12	3.5

Series 8145L & 8146L

Brass Ball Valve

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 400 lb. WOG, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01728145CL	-	10	160	0.4
3/8	01728145EL	-	10	160	0.4
1/2	01728145GL	01728146GL	10	120	0.4
3/4	01728145IL	01728146IL	10	60	0.6
1	01728145KL	01728146KL	6	24	0.9
1-1/4	01728145LL	01728146LL	4	24	1.3
1-1/2	01728145ML	01728146ML	4	16	2.0
2	01728145NL	01728146NL	2	16	3.0
2-1/2	01728145PL	–	–	6	7.1
3	01728145QL	–	–	4	8.8
4	01728145TL	–	–	2	16.5

Series 8175L & 8176L

Brass Ball Valve with Drain

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 600 lb. WOG
- Full port
- Blow-out proof stem
- Forged brass body
- PTFE seats and seals
- Fed. Spec. WW-V-35, Type II, Class A Style 3
- Conforms to MSS SP-110
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	01728175GL	01728176GL	10	120	0.5
3/4	01728175IL	01728176IL	10	60	0.9
1	01728175KL	01728176KL	6	36	1.4

LEAD FREE

Series 8501L & 8502L

Brass Gate Valve

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 200 lb. WOG
- Full port (1/4 - 3)
- Screwed in bonnet
- Non-rising brass stem
- Cast brass
- Metal to metal bonnet/body seating surfaces
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/4	01718501CL	-	10	120	0.6
3/8	01718501EL	-	10	120	0.6
1/2	01718501GL	01718502EL	10	120	0.6
3/4	01718501IL	01718502GL	10	90	0.8
1	01718501KL	01718502IL	5	60	1.2
1-1/4	01718501LL	01718502KL	5	40	1.8
1-1/2	01718501ML	01718502LL	4	32	2.2
2	01718501NL	01718502ML	2	20	3.3
2-1/2	01718501PL	01718502PL	2	12	6.4
3	01718501QL	01718502QL	1	8	9.7
4	01718501TL	-	1	4	17.0

Series 9191L & 9192L

Brass Swing Check Valve

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 200 lb. WOG
- Cast brass
- Forged brass disc
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
3/8	01739191EL	-	10	150	0.5
1/2	01739191GL	01739192G	10	160	0.5
3/4	01739191IL	01739192IL	10	120	0.6
1	01739191KL	01739192KL	6	72	0.7
1-1/4	01739191LL	01739192LL	5	60	1.5
1-1/2	01739191ML	01739192ML	4	32	1.8
2	01739191NL	01739192NL	2	24	3
2-1/2	01739191PL	01739192PL	2	12	5.6
3	01739191QL	01739192QL	1	6	7.2
4	01739191TL	-	1	4	11.4

Series CV30L & CV35L

Brass In-Line Check Valve

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- Rated at 200 psi
- Cast brass
- EPDM seat and seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	0209CV30GL	0209CV35GL	10	150	0.4
3/4	0209CV30IL	0209CV35IL	18	108	0.6
1	0209CV30KL	0209CV35KL	10	60	0.9
1-1/4	0209CV30LL	-	8	40	1.5
1-1/2	0209CV30ML	-	5	30	1.5
2	0209CV30NL	-	4	24	3.5

Series 130L

Brass Straight Stop

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
3/8	0190130EL	14	84	0.44

LEAD FREE

Series 132L & 142L

Brass Straight Stop with Stuffing Box

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. WOG
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	0190132GL	0190142GL	14	84	0.5
3/4	0190132IL	0190142IL	14	84	0.6

Series 136L & 146L

Brass Straight Stop with Drain

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. WOG
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size IN	Part Number		Packing		Weight LB
	Threaded	Sweat	Inner	Master	
1/2	0190136GL	0190146GL	14	84	0.5
3/4	0190136IL	0190146IL	12	84	0.6

Series 170L

Brass Bent Nose Garden Valve, FIP inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Oval handle

Size IN	Part Number	Packing		Weight LB
	Female	Inner	Master	
3/4	0190170IL	12	72	0.7
1	0190170KL	12	72	0.7

Series 6122

CPVC Ball Valve

- Approved to California AB1953
- Certified to NSF/ANSI 14
- Copper tube size
- 150 psi @ 180°F
- PTFE seat
- EPDM o-ring
- Cream body w/red handle
- Produced using virgin CPVC resins

Size IN	Part Number	Packing		Weight LB
	Slip	Inner	Master	
1/2	02936122G	1	100	0.2
3/4	02936122I	1	100	0.2
1	02936122K	1	100	0.4

Series 9541 & 9542

PVC Ball Valve

- Approved to California AB1953
- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73°F
- Molded in place construction
- Gray w/blue handle

Size IN	Part Number		Packing		Weight LB
	Threaded	Slip	Inner	Master	
1/2	02939541G	02939542G	10	100	0.2
3/4	02939541I	02939542I	5	60	0.3
1	02939541K	02939542K	5	40	0.4
1-1/4	02939541L	02939542L	5	30	0.6
1-1/2	02939541M	02939542M	4	24	0.9
2	02939541N	02939542N	2	16	1.4

Series 9521 & 9522

PVC Ball Valve

- Approved to California AB1953
- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73°F
- Molded in place construction
- PTFE seat
- EPDM o-ring
- White w/blue handle
- Produced using virgin PVC resins

Size IN	Part Number		Packing		Weight LB
	Threaded	Slip	Inner	Master	
1/2	02939521G	02939522G	1	80	0.2
3/4	02939521I	02939522I	1	45	0.3
1	02939521K	02939522K	1	25	0.6
1-1/4	02939521L	02939522L	1	20	0.7
1-1/2	02939521M	02939522M	1	14	1.0
2	02939521N	02939522N	1	8	1.5

LEAD FREE

Series 168L

Brass No Kink Hose Bibb, FIP Inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size IN	Part Number Female	Packing Inner	Packing Master	Weight LB
1/2	0190168GL	15	90	0.4
3/4	0190168IL	15	90	0.5

Series 169L

Brass No Kink Hose Bibb, FIP Inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size IN	Part Number Male	Packing Inner	Packing Master	Weight LB
1/2	0190169GL	15	90	0.5
3/4	0190169IL	15	90	0.5

Series 167L

Brass No Kink Hose Bibb, Compression Inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size IN	Part Number Compression	Packing Inner	Packing Master	Weight LB
1/2	0190167GL	15	90	0.5

Series 169IGL

Brass No Kink Hose Bibb, Sweat Inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size IN	Part Number Male / Fem SWT	Packing Inner	Packing Master	Weight LB
3/4 x 1/2	0190169IGL	15	90	0.5

Series 160L

Brass Hose Bibb, MIP Inlet

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass

Size IN	Part Number Male	Packing Inner	Packing Master	Weight LB
1/2	0190160GL	15	90	0.4
3/4	0190160IL	15	90	0.4

Series 112L

Brass Flanged Sillcock with Stuffing Box

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- ISO 9001:2008 Manfuacturer

Size IN	Part Number Female	Packing Inner	Packing Master	Weight LB
1/2	0190112GL	10	60	0.6
3/4	0190112IL	8	48	0.6

LEAD FREE

Series 167L
Vacuum Breaker

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- ASSE/UPC Approved and marked
- Flat sealing washer
- Break away locking screw

Size IN	Part Number	Packing		Weight LB
		Inner	Master	
3/4	0190167IIL	48	288	0.2

Series 103L
Brass Boiler Drain with Stuffing Box

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Full flow
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size IN	Part Number	Packing		Weight LB
	Male	Inner	Master	
1/2	0190103GL	12	72	0.5
3/4	0190103IL	12	72	0.5

Series 209FXL
Female IPS x Brass Sweat Dielectric Union

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
1/2	0209FXGL	FIP x SWT	12	144	0.3
3/4	0209FXIL	FIP x SWT	12	144	0.4
3/4 x 1/2	0209FXIGL	FIP x SWT	12	144	0.4
1	0209FXKL	FIP x SWT	12	120	0.6
1-1/4	0209FXLL	FIP x SWT	6	48	0.9
1-1/2	0209FXML	FIP x SWT	6	48	1.4
2	0209FXNL	FIP x SWT	6	24	2.7
2-1/2	0209FXPL	FIP x SWT	-	5	13.2
3	0209FXQL	FIP x SWT	-	5	15.6
4	0209FXTL	FIP x SWT	-	2	29.7

Series 209FFL
Female IPS x Female IPS Dielectric Union

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
1/2	0209FFGL	FIP x FIP	10	100	0.5
3/4	0209FFIL	FIP x FIP	10	100	0.7
1	0209FFKL	FIP x FIP	5	50	1.1

Series 209MXL
Male Iron Pipe x Brass Sweat Dielectric Union

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212˚F (100˚C)

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
1/2	0209MXGL	MIP x SWT	12	144	0.5
3/4	0209MXIL	MIP x SWT	12	144	0.6
3/4x1/2	0209MXIGL	MIP x SWT	12	144	0.6
1	0209MXKL	MIP x SWT	12	144	1.0

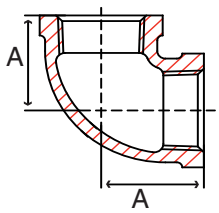
Series 120L & 125L
Washing Machine Valves

- Certified to California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Satin nickel finish

Size IN	Part Number	Ends Config.	Packing		Weight LB
			Inner	Master	
3/4	0190120GL	FIP x MHT	12	120	0.3
5/8 OD	0190125GL	Comp x MHT	12	120	0.4

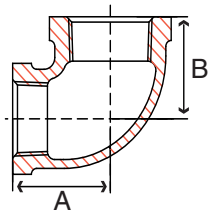
LEAD FREE

Fig. 36E 1L – 90° Elbow



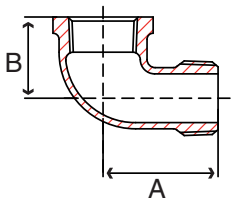
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36E 1001L	0.54	50	800	0.1
1/4	36E 1002L	0.71	35	560	0.1
3/8	36E 1003L	0.82	45	360	0.1
1/2	36E 1004L	1.01	50	200	0.2
3/4	36E 1006L	1.18	35	140	0.3
1	36E 1010L	1.43	20	80	0.6
1-1/4	36E 1012L	1.69	20	40	0.9
1-1/2	36E 1014L	1.84	15	30	1.2
2	36E 1020L	2.12	8	16	2.0
2-1/2	36E 1024L	2.70	6	12	3.8
3	36E 1030L	3.08	-	7	4.7
4	36E 1040L	3.79	-	3	9.7

Fig. 36RE1L – 90° Reducing Elbow



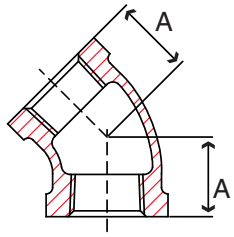
Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
1/2 x 1/4	36RE1004002L	0.98	0.97	50	400	0.2
1/2 x 3/8	36RE1004003L	0.93	0.90	50	200	0.2
3/4 x 1/2	36RE1006004L	1.11	1.08	50	200	0.4
1 x 1/2	36RE1010004L	1.24	1.20	25	100	0.5
1 x 3/4	36RE1010006L	1.31	1.30	30	120	0.5
1-1/4 x 3/4	36RE1012006L	1.48	1.39	15	60	0.7
1-1/4 x 1	36RE1012010L	1.60	1.52	10	40	0.7
1-1/2 x 1	36RE1014010L	1.72	1.55	10	40	1.0
1-1/2 x 1-1/4	36RE1014012L	1.81	1.72	8	32	1.0
2 x 1	36RE1020010L	2.02	1.73	14	28	1.4
2 x 1-1/4	36RE1020012L	2.10	1.90	10	20	1.5
2 x 1-1/2	36RE1020014L	2.07	1.89	10	20	1.6
2-1/2 x 2	36RE1024020L	2.60	2.39	8	16	3.1
3 x 2-1/2	36RE1030024L	2.99	2.83	-	8	4.0

Fig. 36SE1L – 90° Street Elbow



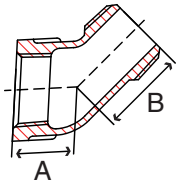
Size IN	Part Number	A IN	B IN	Packing		Weight LB
				Inner	Master	
1/8	36SE1001L	0.92	0.54	60	960	0.1
1/4	36SE1002L	1.11	0.71	35	560	0.1
3/8	36SE1003L	1.24	0.82	40	320	0.1
1/2	36SE1004L	1.48	1.01	75	300	0.2
3/4	36SE1006L	1.65	1.18	40	160	0.3
1	36SE1010L	1.98	1.43	40	80	0.5
1-1/4	36SE1012L	2.24	1.69	25	50	0.8
1-1/2	36SE1014L	2.46	1.84	9	36	1.1
2	36SE1020L	2.88	2.12	10	20	2.0
2-1/2	36SE1024L	3.86	2.70	-	10	4.0
3	36SE1030L	4.51	3.08	-	7	4.7
4	36SE1040L	5.69	3.79	-	3	11.4

Fig. 36F 1L – 45° Elbow



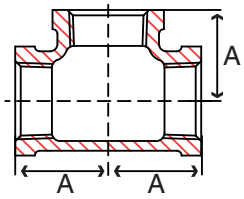
Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36F 1001L	0.42	50	800	0.1
1/4	36F 1002L	0.56	30	480	0.1
3/8	36F 1003L	0.63	50	400	0.1
1/2	36F 1004L	0.78	50	200	0.2
3/4	36F 1006L	0.89	40	160	0.3
1	36F 1010L	1.06	20	80	0.5
1-1/4	36F 1012L	1.22	20	40	0.7
1-1/2	36F 1014L	1.30	8	32	1.0
2	36F 1020L	1.45	12	24	1.7
2-1/2	36F 1024L	1.95	-	15	3.2

Fig. 36SF1L – 45° Street Elbow



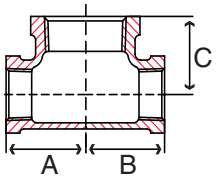
Size IN	Part Number	A IN	B IN	Packing Inner	Packing Master	Weight LB
1/8	36SF1001L	0.42	0.78	70	1120	0.05
1/4	36SF1002L	0.56	0.88	40	640	0.1
3/8	36SF1003L	0.63	0.92	50	600	0.1
1/2	36SF1004L	0.78	1.06	75	300	0.2
3/4	36SF1006L	0.89	1.23	40	160	0.3
1	36SF1010L	1.06	1.40	25	100	0.5
1-1/4	36SF1012L	1.22	1.64	10	40	0.7
1-1/2	36SF1014L	1.30	1.80	10	40	1.0
2	36SF1020L	1.45	2.14	12	24	1.5
2-1/2	36SF1024L	1.95	2.57	5	10	3.0

Fig. 36T 1L – Tee



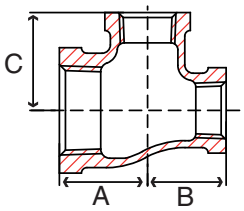
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36T 1001L	0.54	80	640	0.1
1/4	36T 1002L	0.71	50	400	0.1
3/8	36T 1003L	0.82	30	240	0.2
1/2	36T 1004L	1.01	40	160	0.3
3/4	36T 1006L	1.18	25	100	0.5
1	36T 1010L	1.43	25	50	0.8
1-1/4	36T 1012L	1.69	14	28	1.2
1-1/2	36T 1014L	1.84	15	30	1.6
2	36T 1020L	2.12	-	15	2.7
2-1/2	36T 1024L	2.70	-	10	5.1
3	36T 1030L	3.08	-	6	7.5
4	36T 1040L	3.79	-	2	13.3

Fig. 36BT1L – Bull Head Tee



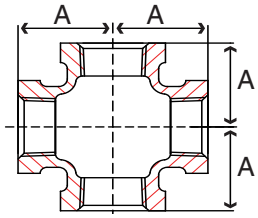
Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1/2 x 3/4	36BT1004006L	1.11	1.11	1.08	25	100	0.4
3/4 x 1	36BT1006010L	1.31	1.31	1.30	15	60	0.7

Fig. 36RT1L – Reducing Tee



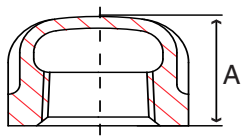
Size IN	Part Number	A IN	B IN	C IN	Packing Inner	Packing Master	Weight LB
1/2 x 1/4	36RT1004002L	0.87	0.87	0.87	25	200	0.2
1/2 x 3/8	36RT1004003L	0.93	0.93	0.90	25	200	0.3
3/4 x 1/4	36RT1006002L	1.00	1.00	1.00	25	100	0.4
3/4 x 3/8	36RT1006003L	1.00	1.00	1.00	25	100	0.4
3/4 x 1/2	36RT1006004L	1.08	1.08	1.11	25	100	0.5
1 x 1/2	36RT1010004L	1.20	1.20	1.24	15	60	0.6
1 x 3/4	36RT1010006L	1.30	1.18	1.31	15	60	0.8
1 x 3/4 x 1	36RT1010006010L	1.43	1.31	1.43	15	60	0.8
1-1/4 x 1/2	36RT1012004L	1.29	1.29	1.41	20	40	0.8
1-1/4 x 3/4	36RT1012006L	1.39	1.39	1.48	20	40	0.9
1-1/4 x 1	36RT1012010L	1.52	1.52	1.60	20	40	1.2
1-1/2 x 3/4	36RT1014006L	1.42	1.42	1.60	15	30	1.3
1-1/2 x 1	36RT1014010L	1.55	1.55	1.72	15	30	1.2
1-1/2 x 1-1/4	36RT1014012L	1.72	1.72	1.81	12	24	1.7
2 x 1/2	36RT1020004L	1.47	1.47	1.84	12	24	1.8
2 x 3/4	36RT1020006L	1.47	1.47	1.84	12	24	1.9
2 x 1	36RT1020010L	1.59	1.59	1.95	10	20	2.0
2 x 1-1/4	36RT1020012L	1.77	1.77	2.04	8	16	2.2
2 x 1-1/2	36RT1020014L	1.89	1.89	2.07	8	16	2.6
2-1/2 x 1-1/4	36RT1024012L	2.04	2.04	2.45	-	10	3.2
2-1/2 x 1-1/2	36RT1024014L	2.16	2.16	2.51	-	10	3.8
2-1/2 x 2	36RT1024020L	2.39	2.39	2.60	-	10	4.2
3 x 1-1/2	36RT1030014L	2.29	2.29	2.80	-	6	4.9
3 x 2	36RT1030020L	2.52	2.52	2.89	-	6	3.7

Fig. 36X 1L – Cross



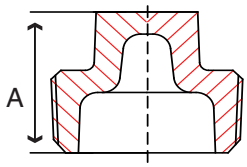
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36X 1001L	0.54	20	320	0.1
1/4	36X 1002L	0.71	40	320	0.2
3/8	36X 1003L	0.82	40	160	0.1
1/2	36X 1004L	1.01	30	120	0.4
3/4	36X 1006L	1.18	20	80	0.7
1	36X 1010L	1.43	20	40	1.0
1-1/4	36X 1012L	1.69	-	20	1.6
1-1/2	36X 1014L	1.84	-	18	2.1
2	36X 1020L	2.12	-	10	3.2
2-1/2	36X 1024L	2.70	-	6	5.5
3	36X 1030L	3.08	-	4	8.2

Fig. 36C 1L – Cap



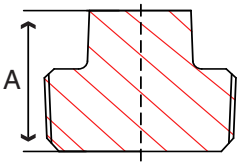
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36C 1001L	0.53	120	1920	0.03
1/4	36C 1002L	0.63	80	1280	0.06
3/8	36C 1003L	0.68	60	720	0.1
1/2	36C 1004L	0.80	75	600	0.1
3/4	36C 1006L	0.90	40	320	0.1
1	36C 1010L	1.08	25	200	0.3
1-1/4	36C 1012L	1.12	25	100	0.5
1-1/2	36C 1014L	1.17	25	100	0.6
2	36C 1020L	1.36	18	72	0.9
2-1/2	36C 1024L	1.70	20	40	1.9
3	36C 1030L	1.80	12	24	2.7
4	36C 1040L	2.08	6	12	4.4

Fig. 36SC1L – Square Head Cored Plug



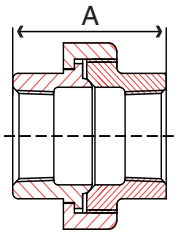
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/2	36SC1004L	1.00	50	800	0.1
3/4	36SC1006L	1.15	30	360	0.1
1	36SC1010L	1.30	20	240	0.2
1-1/4	36SC1012L	1.40	40	160	0.3
1-1/2	36SC1014L	1.50	30	120	0.5
2	36SC1020L	1.60	20	80	0.7
2-1/2	36SC1024L	1.85	16	64	1.0
3	36SC1030L	1.95	16	32	2.0
4	36SC1040L	2.30	8	16	3.6

Fig. 36SS1L – Square Head Solid Plug



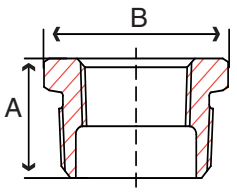
Size IN	Part Number	A IN	Packing Inner	Packing Master	Weight LB
1/8	36SS1001L	0.65	300	4800	0.02
1/4	36SS1002L	0.75	150	2400	0.03
3/8	36SS1003L	0.85	100	1600	0.06
1/2	36SS1004L	1.00	50	800	0.1
3/4	36SS1006L	1.15	30	360	0.1
1	36SS1010L	1.30	20	240	0.3
1-1/4	36SS1012L	1.40	40	160	0.6
1-1/2	36SS1014L	1.50	30	120	0.8
2	36SS1020L	1.60	20	80	1.2

Fig. 36U 1L – Union



Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36U 1001L	1.34	30	480	0.1
1/4	36U 1002L	1.50	20	240	0.2
3/8	36U 1003L	1.53	20	160	0.3
1/2	36U 1004L	1.81	40	160	0.5
3/4	36U 1006L	1.93	40	80	0.7
1	36U 1010L	2.11	30	60	1.1
1-1/4	36U 1012L	2.37	20	40	1.6
1-1/2	36U 1014L	2.60	15	30	2.0
2	36U 1020L	2.91	10	20	3.2
2-1/2	36U 1024L	3.30	-	10	5.3
3	36U 1030L	3.60	-	7	6.9
4	36U 1040L	4.70	-	4	12.0

Fig. 36HB1L – Hex Bushing



Size IN	Part Number	A IN	B IN	Hex	Packing		Weight LB
					Inner	Master	
1/2 x 1/4	36HB1004002L	0.81	0.90	Out	100	800	0.09
1/2 x 3/8	36HB1004003L	0.81	0.90	Out	100	800	0.07
3/4 x 1/8	36HB1006001L	0.88	1.18	Out	50	600	0.1
3/4 x 1/4	36HB1006002L	0.93	1.18	Out	40	480	0.1
3/4 x 3/8	36HB1006003L	0.93	1.18	Out	50	600	0.1
3/4 x 1/2	36HB1006004L	0.93	1.18	Out	40	480	0.1
1 x 1/4	36HB1010002L	1.13	1.12	In	50	400	0.2
1 x 3/8	36HB1010003L	1.13	1.12	In	50	400	0.2
1 x 1/2	36HB1010004L	1.10	1.44	Out	40	320	0.2
1 x 3/4	36HB1010006L	1.10	1.44	Out	40	360	0.2
1-1/4 x 1/2	36HB1012004L	1.18	1.80	Out	30	120	0.3
1-1/4 x 3/4	36HB1012006L	1.18	1.80	Out	30	120	0.4
1-1/4 x 1	36HB1012010L	1.18	1.80	Out	30	120	0.3
1-1/2 x 1/2	36HB1014004L	1.27	1.34	In	25	100	0.4
1-1/2 x 3/4	36HB1014006L	1.27	1.63	In	25	100	0.4
1-1/2 x 1	36HB1014010L	1.19	2.04	Out	25	100	0.5
1-1/2 x 1-1/4	36HB1014012L	1.19	2.04	Out	25	100	0.4
2 x 1/2	36HB1020004L	1.35	1.36	In	20	80	0.6
2 x 3/4	36HB1020006L	1.35	1.65	In	20	80	0.7
2 x 1	36HB1020010L	1.35	2.00	In	20	80	0.7
2 x 1-1/4	36HB1020012L	1.35	2.50	Out	20	80	0.8
2 x 1-1/2	36HB1020014L	1.35	2.55	Out	20	80	0.8
2-1/2 x 1-1/4	36HB1024012L	1.60	3.15	Out	12	48	1.2
2-1/2 x 1-1/2	36HB1024014L	1.52	2.70	In	12	48	1.3
2-1/2 x 2	36HB1024020L	1.62	3.15	Out	12	48	1.1
3 x 1	36HB1030010L	1.60	2.00	In	12	48	1.6
3 x 1-1/2	36HB1030014L	1.70	2.70	In	12	48	1.8
3 x 2	36HB1030020L	1.70	3.25	In	6	24	2.3
3 x 2-1/2	36HB1030024L	1.70	3.90	Out	6	24	2.1
4 x 1-1/2	36HB1040014L	1.80	2.70	In	-	20	3.4
4 x 2	36HB1040020L	1.80	3.30	In	-	20	3.6
4 x 2-1/2	36HB1040024L	2.10	4.75	Out	-	20	3.9
4 x 3	36HB1040030L	2.10	4.75	Out	-	20	4.2

LEAD FREE

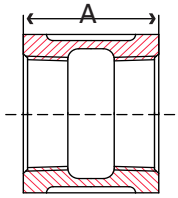


Fig. 36CP1L – Coupling

Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/8	36CP1001L	0.80	70	1120	0.1
1/4	36CP1002L	0.97	40	640	0.1
3/8	36CP1003L	1.05	50	600	0.1
1/2	36CP1004L	1.29	40	320	0.1
3/4	36CP1006L	1.43	50	200	0.2
1	36CP1010L	1.68	25	100	0.4
1-1/4	36CP1012L	1.86	20	80	0.6
1-1/2	36CP1014L	1.92	12	48	0.8
2	36CP1020L	2.20	12	24	1.3
2-1/2	36CP1024L	2.88	8	16	2.6
3	36CP1030L	3.18	8	16	3.7
4	36CP1040L	3.69	-	6	5.8

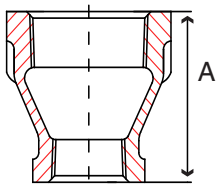


Fig. 36RC1L – Reducing Coupling

Size IN	Part Number	A IN	Packing		Weight LB
			Inner	Master	
1/4 x 1/8	36RC1002001L	0.88	50	600	0.08
3/8 x 1/8	36RC1003001L	0.92	35	420	0.1
3/8 x 1/4	36RC1003002L	1.01	40	480	0.1
1/2 x 1/8	36RC1004001L	1.13	50	400	0.1
1/2 x 1/4	36RC1004002L	1.13	50	400	0.1
1/2 x 3/8	36RC1004003L	1.17	40	320	0.1
3/4 x 1/8	36RC1006001L	1.24	35	280	0.1
3/4 x 1/4	36RC1006002L	1.24	30	240	0.2
3/4 x 3/8	36RC1006003L	1.24	50	200	0.2
3/4 x 1/2	36RC1006004L	1.36	60	240	0.2
1 x 1/4	36RC1010002L	1.49	45	180	0.3
1 x 3/8	36RC1010003L	1.49	30	120	0.4
1 x 1/2	36RC1010004L	1.49	30	120	0.3
1 x 3/4	36RC1010006L	1.56	25	100	0.4
1-1/4 x 1/2	36RC1012004L	1.65	25	100	0.6
1-1/4 x 3/4	36RC1012006L	1.65	25	100	0.6
1-1/4 x 1	36RC1012010L	1.77	15	60	0.5
1-1/2 x 1/2	36RC1014004L	1.8	15	60	0.7
1-1/2 x 3/4	36RC1014006L	1.8	15	60	0.8
1-1/2 x 1	36RC1014010L	1.8	15	60	0.6
1-1/2 x 1-1/4	36RC1014012L	1.89	12	48	0.9
2 x 1/2	36RC1020004L	2.03	12	48	1.2
2 x 3/4	36RC1020006L	2.03	12	48	1.2
2 x 1	36RC1020010L	2.03	12	48	0.9
2 x 1-1/4	36RC1020012L	2.03	14	28	1.3
2 x 1-1/2	36RC1020014L	2.06	12	24	1.0
2-1/2 x 1-1/2	36RC1024014L	3.25	-	25	2.2
2-1/2 x 2	36RC1024020L	3.25	-	25	2.4
3 x 1	36RC1030010L	3.69	-	20	2.5
3 x 1-1/4	36RC1030012L	3.69	-	20	2.1
3 x 1-1/2	36RC1030014L	3.69	-	20	2.3
3 x 2	36RC1030020L	3.69	-	20	3.6
3 x 2-1/2	36RC1030024L	3.69	-	12	3.9
4 x 2	36RC1040020L	4.38	-	10	6.0
4 x 2-1/2	36RC1040024L	4.38	-	10	5.9
4 x 3	36RC1040030L	4.38	-	6	6.5

Notes

Warranty and Limitations of Liability

SMITH-COOPER INTERNATIONAL (SCI) warrants to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of five years from the date of delivery to our initial purchaser.

Should any failure to conform to this warranty appear within five years after the date of the initial delivery to our initial purchaser, SCI will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with recognized engineering and piping practices and industry standards, correct such defects by suitable repair or replacement (which alternative shall be at the discretion of SCI) of product at SCI's own expense upon return of the defective part to SCI.

In the event that SCI elects to replace the defective product, SCI shall pay up to $50 per defective product for total cost of replacement. In the event of multiple claims, such payment shall be no greater than $1,000 for each installation project.

This warranty applies only during normal use that meets the above referenced conditions of installation and operation and is absolutely void if the product has been damaged after purchase or if it has been misused, repaired, altered or modified in any manner whatsoever. SCI shall not warranty any of its products if any portion of the product including without limitation, any component, gasket, housing or bolt has been modified, altered, remanufactured or replaced in any manner by any customer, user of the product or third party.

Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of SCI to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort, or otherwise. It is the intention of SCI that no warranty of any kind, whether expressed or implied shall pass through our initial purchaser to any other person or corporation.

No returns will be allowed unless prior written permission of SCI is first obtained. Buyers shall be responsible for all costs of transportation as well as a restocking charge.

This warranty is exclusively for the benefit of the initial purchaser of this product from SCI and, except to the extent prohibited by applicable law, the foregoing warranty is in lieu of all other warranties, express or implied, including but not limited to warranties of fitness or merchantability.

LIMITATIONS OF LIABILITY: SCI shall not under any circumstances be liable for special or consequential damages such as, but not limited to damage to loss of other property or equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, claims of customers of our initial purchaser, any labor cost for repair or replacement of the product or damage caused by the product.

The remedies of our initial purchaser, and all others, set forth herein are exclusive, and the liability of SCI with respect to same shall not, except as expressly provided herein, exceed the price of the SCI products on which such liability is based.

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- Flanged Fittings
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- Nipples
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- Gate
- Globe
- Check
- Butterfly
- Straight Stops
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- Boiler Drains
- Specialties

Stainless Steel

- 150# Fittings
- 3000# Forged Fittings
- Weld Fittings
- Sanitary Fittings
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