

Silver Streak Fittings

(Silver Streak piping systems)



Silver Streak piping and fittings are designed especially for abrasive and corrosive services such as limestone and gypsum slurries, found in flue gas desulfurization (FGD) scrubber applications. Silver Streak piping systems are designed to operate at temperatures up to 225°F and pressures up to 225 psig. All bell end and assembled flanged* Silver Streak fittings are rated to 225 psig, unless otherwise noted.

A complete line of standard long-radius fittings are available. Odd degree elbows are available on special order. Fittings are constructed with the same abrasion-resistant additives as the pipe. All fittings, except compression molded, have a nominal corrosion/abrasion barrier of 80 mils.

90° Elbow⁽¹⁾

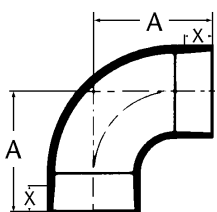
Pipe Size		A (225 psig)		B (150 psig)		B (225 psig)		X ⁽¹⁾		B x B Weight		F x F Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg
2	50	6.31	160	-	-	9.50	241	2.64	67	8.8	4	11	5.4
3	80	8.00	203	-	-	11.62	295	2.86	72	13	6	19	8.7
4	100	9.75	247	-	-	13.50	343	3.13	79	17	8	26	11
6	150	12.75	323	-	-	17.00	432	2.76	70	26	12	38	17
8	200	19.50	495	16.12	409	24.50*	622*	5.28	134	35	15	45	20
10	250	23.25	590	19.88	505	29.00*	736*	5.12	130	67	30	86	39
12	300	27.00	685	23.12	587	33.00*	838*	6.40	162	101	46	138	62
14	350	30.00	762	24.50	622	34.00*	863*	4.55	115	198	90	256	116
16	400	34.00	863	27.87	708	38.00*	965*	5.61	142	260	118	322	146
18	450	36.75	933	-	-	47.00	1194	6.63	168	353	160	468	212
20	500	42.25	1073	-	-	53.00	1346	7.75	197	470	213	609	276
24	600	50.00	1270	-	-	63.00	1600	9.25	235	672	305	866	393

B = BELL F = FLANGE

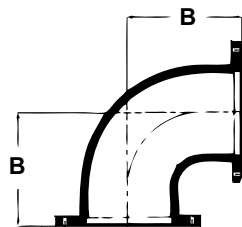
⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for assembly dimensions.

* Special Order

View of Fitting Illustrations



90° Elbow - Bell x Bell



90° Elbow - Flange x Flange

45° Elbow

Pipe Size		A (225 psig)		B (150 psig)		B (225 psig)		X ⁽¹⁾		B x B Weight		F x F Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg
2	50	4.56	116	-	-	7.50	190	2.64	67	5	2.3	8	3.8
3	80	5.25	133	-	-	8.62	219	2.86	72	8	3.7	14	6.4
4	100	6.25	159	-	-	9.62	244	3.13	79	10	4.9	19	8.8
6	150	7.50	190	-	-	11.4	289	2.76	70	16	7.3	27	12.6
8	200	12.50	317	9.00	228	17.5*	444*	5.28	134	21	9.8	32	14.5
10	250	14.50	368	11.12	282	20.3*	515*	5.12	130	43	19	62	28
12	300	16.50	419	12.62	320	23.0*	584*	6.40	162	65	29	102	46
14	350	17.62	447	12.25	311	22.0*	559*	4.55	115	109	49	167	75
16	400	20.00	508	13.75	349	24.0*	609*	5.61	142	144	65	206	93
18	450	20.93	531	-	-	31.0	787	6.63	168	209	94	324	147
20	500	24.68	627	-	-	36.0	914	7.75	197	259	117	398	180
24	600	28.91	734	-	-	42.0	1067	9.25	235	389	176	583	264

B = BELL F = FLANGE

⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for assembly dimensions.

* Special Order

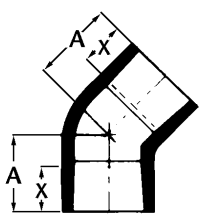
Tees

Pipe Size		A (225 psig)		B (150 psig)		B (225 psig)		X ⁽¹⁾		B x B x B Weight		F x F x F Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg
2	50	5.56	141	--	--	8.37	212	2.64	67	7	3.1	11	5
3	80	6.25	159	--	--	9.37	238	2.86	72	10	4.6	19	8
4	100	7.50	190	--	--	10.6	269	3.13	79	13	6.1	26	12
6	150	9.50	241	--	--	13.1	333	2.76	70	27	12	45	20
8	200	13.50	343	9.0	228	13.5	343	5.28	134	41	18	56	25
10	250	15.75	400	11.0	279	15.8	401	5.12	130	56	25	85	38
12	300	17.00	432	12.0	305	17.0	432	6.40	162	88	40	144	65
14	350	19.50	495	14.0	355	19.5	495	4.55	115	120	54	207	94
16	400	21.25	540	15.0	381	21.3	541	5.61	142	150	68	243	110
18	450	22.38	568	--	--	33.0	838	6.63	168	195	88	300	136
20	500	26.25	667	--	--	38.0	965	7.75	197	255	115	371	168
24	600	28.00	711	--	--	41.0	1041	9.25	235	356	161	496	225

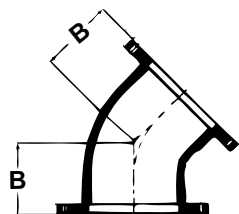
B = BELL F = FLANGE

⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for assembly dimensions.

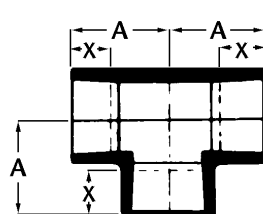
View of Fitting Illustrations



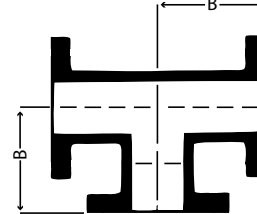
45° Elbow - Bell x Bell



45° Elbow - Flange x Flange



Tee - Bell x Bell x Bell



Tee - Flange x Flange x Flange

Sleeve Coupling

Pipe Size		A		B		X ⁽¹⁾		Weight	
in	mm	in	mm	in	mm	in	mm	lb	kg
2	50	5.56	141	--	--	2.64	67	0.4	0.2
3	80	6.25	159	--	--	2.86	72	0.8	0.4
4	100	7.50	190	--	--	3.13	79	0.9	0.4
6	150	9.50	241	--	--	2.76	70	1.9	0.8
8	200	13.50	343	9.0	228	5.28	134	3.4	1.5
10	250	15.75	400	11.0	279	5.12	130	5.2	2.3
12	300	17.00	432	12.0	305	6.40	162	7.5	3.4
14	350	19.50	495	14.0	355	4.55	115	11	5.0
16	400	21.25	540	15.0	381	5.61	142	16	7.3
18	450	22.38	568	--	--	6.63	168	23	10.4
20	500	26.25	667	--	--	7.75	197	28	12.7
24	600	28.00	711	--	--	9.25	235	38	17.3

B = BELL F = FLANGE

NOTE: 18"-24" Couplings: If coupling length "A" is critical for a piping system design, please specify "A" dimension when ordering.

All sleeve couplings are rated to 225 psig (1.55MPa)

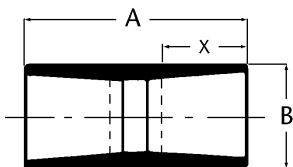
Nipples

Pipe Size		Nipple Length (inch)																	
in	mm	6	lb	kg	8	lb	kg	12	lb	kg	16	lb	kg	24	lb	kg	36	lb	kg
2	50	◆	0.6	0.27	◆	0.7	0.32	--	--	--	--	--	--	--	--	--	--	--	--
3	80	◆	0.8	0.36	◆	1.1	0.50	--	--	--	--	--	--	--	--	--	--	--	--
4	100	--	--	--	◆	1.4	0.64	--	--	--	--	--	--	--	--	--	--	--	--
6	150	--	--	--	◆	2.1	0.95	◆	3.1	1.41	◆	4.1	1.86	--	--	--	--	--	--
8	200	--	--	--	--	--	--	◆	4.8	2.18	◆	6.4	2.90	--	--	--	--	--	--
10	250	--	--	--	--	--	--	◆	6.1	2.77	◆	8.1	3.67	--	--	--	--	--	--
12	300	--	--	--	--	--	--	--	--	--	◆	10	4.54	--	--	--	--	--	--
14	350	--	--	--	--	--	--	--	--	--	◆	13.3	6.03	--	--	--	--	--	--
16	400	--	--	--	--	--	--	--	--	--	◆	17.1	7.76	--	--	--	--	--	--
18	450	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30.0	13.61
20	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37.0	16.78
24	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51.0	23.13

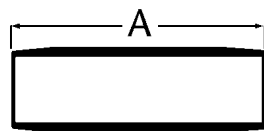
◆ Standard Stock.

⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for assembly dimensions.

View of Fitting Illustrations



Sleeve Coupling



Nipple

Flanges

Pipe Size	B	C	CC	D	E Bolt Hole Size - #	O	X ⁽¹⁾	Maximum Operation Pressure		Weight	
								Flange	Blind ⁽²⁾	Flange	Blind ⁽²⁾
in	in	in	in	in	in-no.	in	in	psig		lb	
2	2.25	0.75	0.75	4.75	0.75 D-4 holes	6.00	1.75	225	150	1.3	1.3
3	2.62	1.37	1.00	6.00	0.75 D-4 holes	7.50	2.25	225	150	2.6	3.0
4	2.62	1.37	1.00	7.50	0.75 D-8 holes	9.00	2.25	225	150	3.6	4.0
6	3.00	1.50	1.12	9.50	0.875 D-8 holes	11.00	2.75	225	150	4.4	6.6
8	4.00	1.75	1.12	11.75	0.875 D-8 holes	13.50	3.25	225	135	9.3	10.6
10	4.75	2.00	1.25	14.25	1.0 D-12 holes	16.00	3.75	225	95	16	16
12	5.00	2.25	1.25	17.00	1.0 D-12 holes	19.00	3.75	225	65	24	24
14	3.12	2.50	1.62	18.75	1.125 D-12 holes	20.75	3.00	225	150	30	45
16	3.12	2.50	1.87	21.25	1.125 D-16 holes	23.25	3.00	225	150	37	67
18	9.00	2.75	2.50	22.75	1.25 D-16 holes	25.00	6.88	225	150	76	125
20	11.00	2.75	2.75	25.00	1.25 D-20 holes	27.50	8.00	225	150	92	140
24	13.00	3.00	3.37	29.50	1.375 D-20 holes	32.00	10.0	225	150	124	155

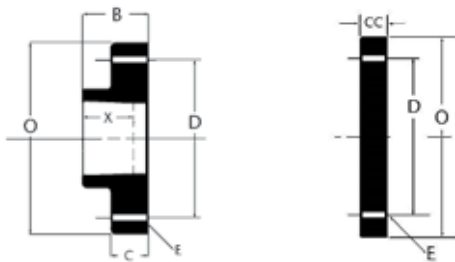
Pipe Size	B	C	CC	D	E Bolt Hole Size - #	O	X ⁽¹⁾	Maximum Operation Pressure		Weight	
								Flange	Blind ⁽²⁾	Flange	Blind ⁽²⁾
m	mm	mm	mm	mm	mm-no.	mm	mm	MPa		kg	
50	57	19	19	120	19 D - 4 holes	152	44	1.55	1.03	0.6	0.6
80	66	35	25	152	19 D - 4 holes	190	57	1.55	1.03	1.2	1.4
100	66	35	25	190	19 D - 8 holes	228	57	1.55	1.03	1.6	1.8
150	76	38	28	241	22 D - 8 holes	279	70	1.55	1.03	2.0	3.0
200	101	44	28	298	22 D - 8 holes	343	82	1.55	0.93	4.2	4.8
250	120	51	32	362	25 D - 12 holes	406	95	1.55	0.66	7.3	7.4
300	127	57	32	432	25 D - 12 holes	482	95	1.55	0.45	11	11
350	79	63	41	476	29 D - 12 holes	527	76	1.55	1.03	13	20
400	79	63	47	540	29 D - 16 holes	590	76	1.55	1.03	17	30
450	228	70	63	578	32 D - 16 holes	635	175	1.55	1.03	34	56
500	279	70	70	635	32 D - 20 holes	698	203	1.55	1.03	41	63
600	330	76	85	749	35 D - 20 holes	812	254	1.55	1.03	56	70

⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for fabrication and assemble dimensions.

⁽²⁾ Steel back-up plates must be used to achieve pressure ratings equivalent to the pipe.

Note: All flanges are ANSI B16.5-150 lb. Bolt Hole Circle.

View of Fitting Illustrations



Flange

Concentric Reducer

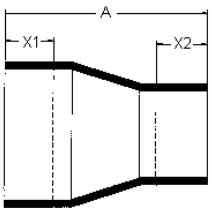
Pipe Size		A		X1 ⁽¹⁾		X2 ⁽¹⁾		B		B x B Weight		F x F Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg
3 x 2	80 x 50	8.35	212	2.81	71	2.63	67	14.75*	374*	7.4	3.4	14	6.4
4 x 3	100 x 80	9.25	235	3.13	79	2.63	67	15.38*	390*	10	4.9	20	9.3
4 x 2	100 x 50	9.75	248	3.13	79	2.63	67	17.00*	432*	10	4.6	22	10
6 x 4	150 x 100	11.50	292	2.75	70	3.13	80	18.13*	460*	14	6.4	26	12
6 x 3	150 x 80	11.25	286	2.75	70	2.68	68	19.63*	499*	13	6.1	29	13
8 x 6	200 x 150	11.50	292	5.25	133	2.75	70	25.00*	635*	17	7.8	34	15
8 x 4	200 x 100	16.75	425	5.25	133	3.13	80	24.13*	613*	16	7.4	32	14
10 x 8	250 x 200	16.00	406	5.06	128	5.25	133	12.0	305	28	12.8	43	19
10 x 6	250 x 150	21.00	533	5.06	128	2.75	70	12.0	305	24	11.1	42	19
12 x 10	300 x 250	18.00	457	6.40	162	5.12	130	14.0	355	48	22	75	34
12 x 8	300 x 200	25.25	590	6.40	162	5.25	133	14.0	355	24	11.1	42	19
14 x 12	350 x 300	23.50	597	4.50	114	6.38	162	16.0	406	67	30.4	115	52
14 x 10	350 x 250	26.25	667	4.50	114	5.06	128	16.0	406	60	27.2	106	48
16 x 14	400 x 350	26.00	660	5.56	141	4.50	114	18.0	457	98	44.5	158	71
16 x 12	400 x 300	29.50	749	5.56	141	6.38	162	18.0	457	89	40.3	147	67
18 x 16	450 x 400	29.00	736	6.63	168	5.56	141	46.0*	1168	110	49.9	204	92
18 x 14	450 x 350	29.75	755	6.63	168	4.50	114	46.0*	1168	100	45.4	199	90
20 x 18	500 x 450	29.38	746	7.75	197	6.63	168	53.0*	1346	140	63.5	229	104
20 x 16	500 x 400	32.00	813	7.75	197	5.56	141	53.0*	1346	106	48.1	223	101
24 x 20	600 x 500	32.88	835	9.25	235	7.75	197	70.0*	1778	190	86.2	275	124
24 x 18	600 x 450	46.25	1175	9.25	235	6.63	168	70.0*	1778	133	60.3	268	121

⁽¹⁾ This is a nominal make-up dimension for drawing layout work only. Do not use for assembly dimensions.

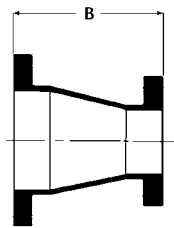
* Nipples and flanges

NOTE: All oncentric reducers are rated to 225 psig (1.55MPa)

View of Fitting Illustrations



Concentric Reducer - Bell x Bell

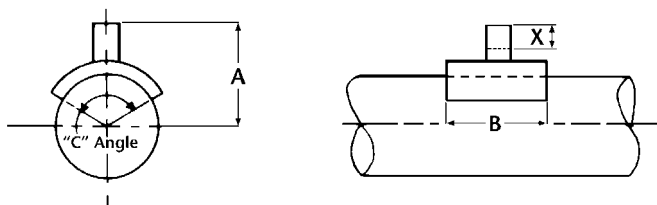


Concentric Reducer - Flange x Flange

Saddles

Pipe Size		A		B		C	$\chi^{(1)}$		Steady Pressure Rating	
in	mm	in	mm	in	mm	Degrees	in	mm	psig	MPa
2 x 1	50 x 25	2.88	73	4.0	101	180	1.00	25	225	1.55
2 x 1 ½	50 x 40	2.88	73	4.0	101	180	1.38	35	225	1.55
3 x 1	80 x 25	3.50	89	6.0	152	180	1.00	25	225	1.55
3 x 1 ½	80 x 40	3.50	89	6.0	152	180	1.38	35	225	1.55
3 x 2	80 x 50	4.00	101	6.0	152	180	2.64	67	225	1.55
4 x 1	100 x 25	4.00	101	6.0	152	180	1.00	25	225	1.55
4 x 1 ½	100 x 40	4.00	101	6.0	152	180	1.38	35	225	1.55
4 x 2	100 x 50	4.50	114	6.0	152	180	2.64	67	225	1.55
4 x 3	100 x 80	5.25	133	6.0	152	180	2.88	73	200	1.38
6 x 1	150 x 25	5.00	127	6.0	152	120	1.00	25	225	1.55
6 x 1 ½	150 x 40	5.00	127	6.0	152	120	1.38	35	225	1.55
6 x 2	150 x 50	5.50	139	6.0	152	120	2.64	67	225	1.55
6 x 3	150 x 80	6.25	159	6.0	152	120	2.88	73	150	1.03
6 x 4	150 x 100	6.38	162	8.0	203	140	3.13	79	125	0.86
8 x 2	200 x 50	8.25	209	9.0	228	120	2.64	67	225	1.55
10 x 2	250 x 50	9.25	235	9.0	228	95	2.64	67	225	1.55
10 x 3	250 x 80	9.25	235	14.0	355	150	2.88	73	225	1.55
12 x 2	300 x 50	10.25	260	10.0	254	90	2.64	67	225	1.55
12 x 3	300 x 80	10.25	260	14.0	355	125	2.88	73	225	1.55
12 x 4	300 x 100	10.64	270	17.0	432	155	3.13	79	225	1.55
14 x 2	350 x 50	11.00	279	12.0	305	95	2.64	67	225	1.55
14 x 3	350 x 80	11.13	282	15.0	381	120	2.88	73	225	1.55
14 x 4	350 x 100	11.50	292	17.0	432	135	3.50	89	225	1.55
16 x 2	400 x 50	12.00	305	13.0	330	90	2.64	67	225	1.55
16 x 3	400 x 80	12.13	308	15.0	381	105	2.88	73	225	1.55
16 x 4	400 x 100	12.50	317	17.0	432	120	3.13	79	225	1.55
18 x 2	450 x 50	12.88	327	13.0	330	90	2.64	67	225	1.55
18 x 3	450 x 80	13.25	336	15.0	381	90	2.88	73	225	1.55
18 x 4	450 x 100	13.25	336	17.0	432	110	3.13	80	225	1.55
18 x 6	450 x 150	14.50	368	21.0	533	130	2.75	70	225	1.55
20 x 2	500 x 50	13.88	352	13.0	330	90	2.64	67	225	1.55
20 x 3	500 x 80	14.25	362	15.0	381	90	2.88	73	225	1.55
20 x 4	500 x 100	14.25	362	17.0	432	95	3.50	89	225	1.55
20 x 6	500 x 150	15.50	393	21.0	533	120	2.75	70	225	1.55
24 x 2	600 x 50	16.00	406	13.0	330	70	2.64	67	225	1.55
24 x 3	600 x 80	16.25	413	15.0	381	70	2.88	73	225	1.55
24 x 4	600 x 100	16.25	413	17.0	432	80	3.13	80	225	1.55
24 x 6	600 x 150	17.64	448	21.0	533	100	2.75	70	225	1.55

View of Fitting Illustrations



Saddle

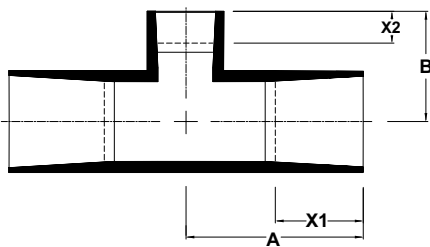
Reducing Tees

Pipe Size		A		X1 ^(A)		B		X2 ^(A)		Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
8 x 6	200 x 150	13.50	343	5.3	134	10.25	260	2.8	71	36	16
8 x 4	200 x 100	13.50	343	5.3	134	10.25	260	3.1	78	33	15
8 x 3	200 x 80	13.50	343	5.3	134	9.88	251	2.9	73	31	14
8 x 2	200 x 50	13.50	343	5.3	134	9.81	249	2.6	66	28	12
10 x 8	250 x 200	15.75	400	5.1	129	13.50	343	5.3	134	48	22
10 x 6	250 x 150	15.75	400	5.1	129	11.75	298	2.8	71	44	20
10 x 4	250 x 100	15.75	400	5.1	129	11.75	298	3.1	78	41	18
10 x 3	250 x 80	15.75	400	5.1	129	11.38	289	2.9	73	37	17
12 x 10	300 x 250	17.00	432	6.4	162	15.75	400	5.1	129	72	32
12 x 8	300 x 200	17.00	432	6.4	162	15.00	381	5.3	134	65	29
12 x 6	300 x 150	17.00	432	6.4	162	13.25	336	2.8	71	60	27
12 x 4	300 x 100	17.00	432	6.4	162	13.25	336	3.1	78	55	25
14 x 12	350 x 300	19.56	497	4.6	117	17.00	432	6.4	162	93	42
14 x 10	350 x 250	19.56	497	4.6	117	16.25	413	5.1	129	85	38
14 x 8	350 x 200	19.56	497	4.6	117	15.50	393	5.3	134	77	35
14 x 6	350 x 150	19.56	497	4.6	117	13.75	349	2.8	71	71	32
16 x 14	400 x 350	21.25	540	5.6	142	20.00	508	4.6	117	111	50
16 x 12	400 x 300	21.25	540	5.6	142	18.00	457	6.4	162	101	46
16 x 10	400 x 250	21.25	540	5.6	142	17.25	438	5.1	129	91	41
16 x 8	400 x 200	21.25	540	5.6	142	16.50	419	5.3	134	83	37

^(A) Nominal make-up dimension for drawing layout work only using non-threaded spigots. Do not use for assembly dimensions.

NOTE: All reducing tees are rated to 225 psig (1.55MPa)

View of Fitting Illustrations



Reducing Tee

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