

Stainless Steel Method Fittings Fig. 7050SS, 7051SS, 7060SS, 7061SS, 7072SS, 7073SS, 7074SS, 7084SS



Material Specifications

Fabricated Fittings

304/316L stainless steel conforming to ASTM A 312, Schedule 10 and Schedule 40

Full Flow Fittings

304/316L stainless steel conforming to ASTM A 403 WPW or A 403 CR

Maximum Working Pressure

See specific data sheet for rating of coupling in use.

For Listings/Approval Details and Limitations, visit our website at www.asc-es.com or contact an ASC Engineered Solutions™ Sales Representative.

Gruvlok Stainless Steel, Full-Flow Grooved fittings are made of lightweight, corrosion-resistant Type 304 and 316 stainless steel. The assortment of available fittings provides economical and efficient methods to change direction in, add outlets to, reduce, or cap piping systems.

Fittings are available in full-flow and fabricated versions in 304 and 316L S.S. Fabricated fittings are available with Schedule 10 or Schedule 40 wall thickness.

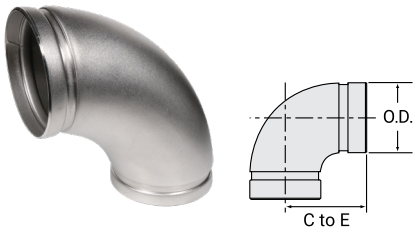
Stainless Steel Method Fittings (Ordering Information)

Sample Part Number	Origin	2" Size	7050SS - Item	40 Schedule	04 SST
2" 7050SS-4004	A - Global No Letter - Domestic	1 1/4" - 12"	7050SS - 90° Elbow 7051SS - 45° Elbow 7060SS - Straight Tee 7061SS - Reducing Tee 7072SS - Concentric Reducer 7073SS - Eccentric Reducer 7074SS - Steel Cap 7084SS - Flange Adapter	10 - Sch. 10 40 - Sch. 40	04 - Type 304 16 - Type 316



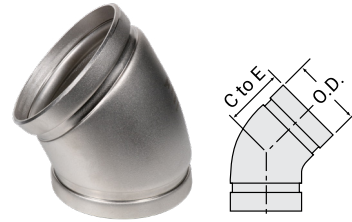
PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Fig. A7050SS
90° Stainless Steel Elbow



Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
1	1.315	2.88	1
25	33.4	73.2	0.45
1¼	1.660	3.13	1
32	42.2	79.5	0.45
1½	1.900	3.50	1
40	48.3	88.9	0.45
2	2.375	4.50	1.1
50	60.3	114.3	0.5
2½	2.875	5.00	1.7
65	73.0	127.0	0.77
3	3.500	4.50	2.6
80	88.9	114.3	1.18
4	4.500	6.00	4.7
100	114.3	152.4	2.13
5	5.563	7.50	8.4
125	141.3	190.5	3.81
6	6.625	9.00	10.3
150	168.3	228.6	4.67
8	8.625	12.00	17.6
200	219.1	304.8	7.98
10	10.750	15.00	49.2
250	273.0	381.0	22.32
12	12.750	18.00	78.4
300	323.9	457.2	35.56

Fig. A7051SS
45° Stainless Steel Elbow



Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
1	1.315	2.00	0.6
25	33.4	50.8	0.27
1¼	1.660	2.00	0.8
32	42.2	50.8	0.36
1½	1.900	2.13	1
40	48.3	54.1	0.45
2	2.375	2.75	1.2
50	60.3	69.9	0.54
2½	2.875	2.88	1.3
65	73.0	73.2	0.59
3	3.500	2.00	1.3
80	88.9	50.8	0.59
4	4.500	2.50	2.3
100	114.3	63.5	1.04
5	5.563	3.13	4.2
125	141.3	79.5	1.91
6	6.625	3.75	5.1
150	168.3	95.3	2.31
8	8.625	5.00	13.8
200	219.1	127	6.26
10	10.750	6.25	24.6
250	273.0	158.8	11.16
12	12.750	7.50	39.2
300	323.9	190.5	17.78

Fig. A7060SS
Stainless Steel Tee



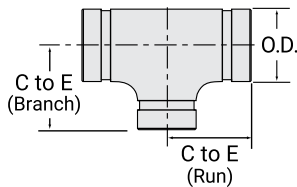
Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
1	1.315	2.25	0.7
25	33.4	57.2	0.32
1¼	1.66	3.13	1.3
32	42.2	79.5	0.59
1½	1.9	3.38	1.6
40	48.3	85.9	0.73
2	2.375	2.75	2.3
50	60.3	69.9	1.04
2½	2.875	3.13	2.8
65	73.0	79.5	1.27
3	3.5	3.75	3.1
80	88.9	95.3	1.41
4	4.5	4.50	4.9
100	114.3	114.3	2.22
5	5.563	5.89	7.1
125	141.3	149.6	3.22
6	6.625	5.89	11.7
150	168.3	149.6	5.31
8	8.625	7.76	20.0
200	219.1	197.1	9.07
10	10.75	8.88	34.4
250	273.0	225.6	15.60
12	12.75	10.38	52.5
300	323.9	263.7	23.81



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Fig. A7061SS
Stainless Steel Reducing Tee



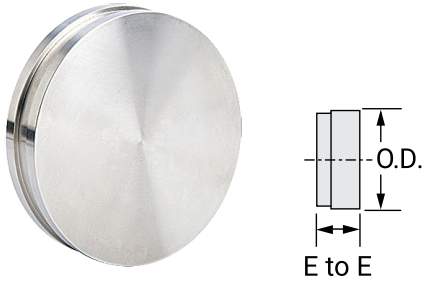
Nominal Size	O.D. 1	O.D. 2	C to E	C to B	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	In./mm	In./mm	Lbs./kg
1½ x 1½ x 1 40 x 40 x 25	1.900 48.3	1.315 33.4	2.75 69.9	2.75 69.9	1.5 0.68
1½ x 1½ x 1¼ 40 x 40 x 32	1.900 48.3	1.660 42.4	2.75 69.9	2.75 69.9	1.7 0.77
2 x 2 x 1 50 x 50 x 25	2.375 60.3	1.315 33.4	3.25 82.6	3.25 82.6	2.2 1.00
2 x 2 x 1¼ 50 x 50 x 32	2.375 60.3	1.660 42.2	3.25 82.6	3.25 82.6	2.4 1.09
2 x 2 x 1½ 50 x 50 x 40	2.375 60.3	1.900 48.3	2.75 69.9	2.75 69.9	2.4 1.09
2½ x 2½ x 1 50 x 50 x 40	2.875 73.0	1.315 33.4	3.75 95.3	3.75 95.3	3.1 1.41
2½ x 2½ x 1½ 50 x 50 x 40	2.875 73.0	1.900 48.3	3.75 95.3	3.75 95.3	3.4 1.54
2½ x 2½ x 2 50 x 50 x 40	2.875 73.0	2.375 60.3	3.07 78.0	3.07 78.0	3.6 1.63
3 x 3 x 1 80 x 80 x 25	3.500 88.9	1.315 33.4	4.25 108.0	4.25 108.0	4.3 1.95
3 x 3 x 1¼ 80 x 80 x 32	3.500 88.9	1.660 42.2	4.25 108.0	4.25 108.0	4.3 1.95
3 x 3 x 1½ 80 x 80 x 40	3.500 88.9	1.900 48.3	4.25 108.0	4.25 108.0	4.4 2.00
3 x 3 x 2 80 x 80 x 50	3.500 88.9	2.375 60.3	3.77 95.8	3.23 82.0	4.4 2.00
3 x 3 x 2½ 80 x 80 x 65	3.500 88.9	2.875 73.0	3.77 95.8	3.23 82.0	4.4 2.00
4 x 4 x 2 100 x 100 x 50	4.500 114.3	2.375 60.3	4.47 113.5	3.82 97.0	4.4 2.00
4 x 4 x 2½ 100 x 100 x 65	4.500 114.3	2.875 73.0	4.47 113.5	3.82 97.0	4.6 2.09
4 x 4 x 3 100 x 100 x 80	4.500 114.3	3.500 88.9	4.47 113.5	3.88 98.6	4.9 2.22
6 x 6 x 1½ 150 x 150 x 40	6.625 168.3	1.900 48.3	5.91 150.1	5.91 150.1	9.3 4.22
6 x 6 x 2 150 x 150 x 50	6.625 168.3	2.375 60.3	5.91 150.1	5.91 150.1	9.3 4.22
6 x 6 x 3 150 x 150 x 80	6.625 168.3	3.5 88.9	5.91 150.1	4.88 124.0	9.3 4.22
6 x 6 x 4 150 x 150 x 100	6.625 168.3	4.500 114.3	5.91 150.1	5.12 130.0	9.3 4.22
8 x 8 x 4 200 x 200 x 100	8.625 219.1	4.500 114.3	7.79 197.9	6.31 160.3	18.1 8.21
8 x 8 x 6 200 x 200 x 150	8.625 219.1	6.625 168.3	7.79 197.9	6.62 168.1	18.1 8.21
10 x 10 x 6 250 x 250 x 150	10.750 273.0	6.625 168.3	8.89 225.8	7.70 195.6	29.3 13.29
10 x 10 x 8 250 x 250 x 200	10.750 273.0	8.625 219.1	8.89 225.8	8.59 218.2	31.7 14.38
12 x 12 x 8 300 x 300 x 200	12.750 323.9	8.625 219.1	10.39 263.9	9.51 242	44.0 19.96
12 x 12 x 10 300 x 300 x 250	12.750 323.9	10.750 273.0	10.39 263.9	9.89 251.2	44.0 19.96



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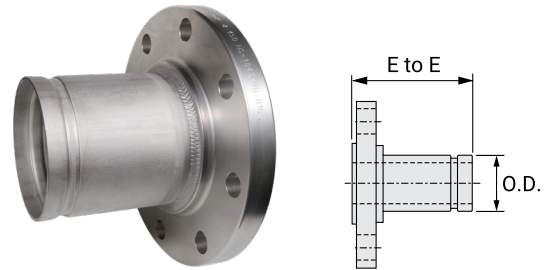
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Fig. A7074SS
Stainless Steel Cap



Nominal Size	O.D.	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
1	1.315	1.08	0.2
25	33.4	27.4	0.09
1¼	1.660	1.08	0.4
32	42.2	27.4	0.18
1½	1.900	1.08	0.5
40	48.3	27.4	0.23
2	2.375	1.08	0.7
50	60.3	27.4	0.32
2½	2.875	1.08	1.0
65	73.0	27.4	0.45
76.1mm	3.000	2.36	3.1
65	76.2	60.0	1.41
3	3.500	1.08	2.0
80	88.9	27.4	0.91
4	4.500	1.13	3.1
100	114.3	28.7	1.41
5	5.563	3.00	1.7
125	141.3	76.2	0.77
6	6.625	3.50	1.9
150	168.3	88.9	0.86
8	8.625	4.00	3.1
200	219.1	101.6	1.41
10	10.750	5.00	6.0
250	273.0	127.0	2.72
12	12.750	6.00	7.8
300	323.9	152.4	3.54

Fig. A7084SS
Groove x Class 150 Stainless Steel Flange Adapter



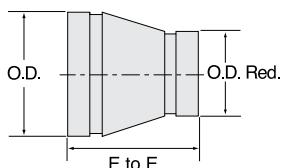
Nominal Size	O.D.	End to End	Mating Flange Bolt	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	In./mm	Lbs./kg
1	1.315	3	4	2.5
25	33.4	76.2	4	1.13
1¼	1.660	4	4	3.8
32	42.2	101.6	4	1.72
1½	1.900	4	4	4.1
40	48.3	101.6	4	1.86
2	2.375	4	4	6.0
50	60.3	101.6	4	2.72
2½	2.875	4	4	9.2
65	73.0	101.6	4	4.17
3	3.500	4	4	10.4
80	88.9	101.6	4	4.72
3½	4.000	4	4	14.0
90	101.6	101.6	4	6.35
4	4.500	6	8	19.1
100	114.3	152.4	8	8.66
5	5.563	6	8	23.0
125	141.3	152.4	8	10.43
6	6.625	6	8	28.1
150	168.3	152.4	8	12.75
8	8.625	6	8	43.7
200	219.1	152.4	8	19.82
10	10.750	8	12	68.2
250	273.0	203.2	12	30.94
12	12.750	8	12	96.1
300	323.9	203.2	12	43.59



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Fig. A7072SS
Stainless Steel Concentric Reducer



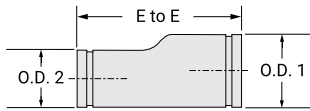
Nominal Size	O.D. 1	O.D. 2	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	In./mm	Lbs./kg
1½ x 1 40 x 25	1.900 48.3	1.315 33.4	3.75 95.3	1.4 0.64
1½ x 1¼ 40 x 32	1.900 48.3	1.660 42.2	3.75 95.3	1.4 0.64
2 x 1 50 x 25	2.375 60.3	1.315 33.4	3.75 95.3	1.5 0.68
2 x 1¼ 50 x 32	2.375 60.3	1.660 42.2	3.75 95.3	2.5 1.13
2 x 1½ 50 x 40	2.375 60.3	1.900 48.3	5.00 127.0	2.5 1.13
2½ x 1½ 65 x 40	2.875 73.0	1.900 48.3	5.00 127.0	3.5 1.59
2½ x 2 65 x 50	2.875 73.0	2.375 60.3	5.00 127.0	3.5 1.59
3 x 1 80 x 25	3.500 88.9	1.315 33.4	5.00 127.0	3.5 1.59
3 x 1¼ 80 x 32	3.500 88.9	1.660 42.2	5.00 127.0	4.3 1.95
3 x 1½ 80 x 40	3.500 88.9	1.900 48.3	5.00 127.0	4.4 2.00
3 x 2 80 x 50	3.500 88.9	2.375 60.3	5.00 127.0	4.8 2.18
3 x 2½ 80 x 65	3.500 88.9	2.875 73.0	5.00 127.0	4.8 2.18
4 x 2 100 x 50	4.500 114.3	2.375 60.3	5.00 127.0	4.8 2.18
4 x 2½ 100 x 65	4.500 114.3	2.875 73.0	5.00 127.0	4.8 2.18
4 x 3 100 x 80	4.500 114.3	3.500 88.9	5.00 127.0	5.0 2.27
5 x 3 125 x 80	5.563 141.3	3.500 88.9	9.00 228.6	7.0 3.18
5 x 4 125 x 100	5.563 141.3	4.500 114.3	9.00 228.6	7.0 3.18
6 x 2 150 x 50	6.625 168.3	2.375 60.3	5.50 139.7	4.2 1.91
6 x 2½ 150 x 65	6.625 168.3	2.875 73.0	5.50 139.7	4.2 1.91
6 x 3 150 x 80	6.625 168.3	3.500 88.9	5.50 139.7	4.0 1.81
6 x 4 150 x 100	6.625 168.3	4.500 114.3	5.50 139.7	4.2 1.91
8 x 4 200 x 100	8.625 219.1	4.500 114.3	6.00 152.4	9.6 4.35
8 x 6 200 x 150	8.625 219.1	6.625 168.3	6.00 152.4	9.6 4.35
10 x 4 250 x 100	10.750 273.0	4.500 114.3	7.00 177.8	8.8 3.99
10 x 6 250 x 150	10.750 273.0	6.625 168.3	7.00 177.8	11.5 5.22
10 x 8 250 x 200	10.750 273.0	8.625 219.1	7.00 177.8	11.5 5.22
12 x 6 300 x 150	12.750 323.9	6.625 168.3	8.00 203.2	13.0 5.90
12 x 8 300 x 200	12.750 323.9	8.625 219.1	8.00 203.2	13.0 5.90
12 x 10 300 x 250	12.750 323.9	10.750 273.0	8.00 203.2	17.0 7.71



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Fig. A7073SS
Stainless Steel Eccentric Reducer



Nominal Size	O.D. 1	O.D. 2	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	In./mm	Lbs./kg
1½ x 1 40 x 25	1.900 48.3	1.315 33.4	3.75 95.3	1.4 0.64
1½ x 1¼ 40 x 32	1.900 48.3	1.660 42.2	3.75 95.3	1.4 0.64
2 x 1 50 x 25	2.375 60.3	1.315 33.4	3.75 95.3	1.5 0.68
2 x 1¼ 50 x 32	2.375 60.3	1.660 42.2	3.75 95.3	2.5 1.13
2 x 1½ 50 x 40	2.375 60.3	1.900 48.3	3.75 95.3	2.5 1.13
2½ x 2 65 x 50	2.875 73.0	2.375 60.3	5.00 127.0	3.5 1.59
3 x 1 80 x 25	3.500 88.9	1.315 33.4	5.00 127.0	4.3 1.95
3 x 2 80 x 50	3.500 88.9	2.375 60.3	5.00 127.0	4.3 1.95
3 x 2½ 80 x 65	3.500 88.9	2.875 73.0	5.00 127.0	4.5 2.04
4 x 2 100 x 50	4.500 114.3	2.375 60.3	5.00 127.0	4.8 2.18
4 x 2½ 100 x 65	4.500 114.3	2.875 73.0	5.00 127.0	5.8 2.63
4 x 3 100 x 80	4.500 114.3	3.5 88.9	5.00 127.0	5.9 2.68
5 x 3 125 x 80	5.563 141.3	3.5 88.9	9.00 228.6	6.7 3.04
5 x 4 125 x 100	5.563 141.3	4.5 114.3	9.00 228.6	7.0 3.18
6 x 2 150 x 50	6.625 168.3	2.375 60.3	9.00 228.6	7.0 3.17
6 x 2½ 150 x 65	6.625 168.3	2.875 73.0	9.00 228.6	7.0 3.17
6 x 3 150 x 80	6.625 168.3	3.5 88.9	9.00 228.6	7.0 3.18
6 x 4 150 x 100	6.625 168.3	4.5 114.3	9.00 228.6	7.0 3.18
8 x 3 200 x 80	8.625 219.1	3.5 88.9	10.00 254.0	9.3 4.22
8 x 4 200 x 100	8.625 219.1	4.5 114.3	10.00 254.0	11.6 5.26
8 x 6 200 x 150	8.625 219.1	6.625 168.3	10.00 254.0	11.8 5.35
10 x 6 250 x 150	10.75 273.0	6.625 168.3	13.00 330.2	12.5 5.67
10 x 8 250 x 200	10.75 273.0	8.625 219.1	13.00 330.2	11.5 5.22
12 x 6 300 x 150	12.750 323.9	6.625 168.3	14.00 355.6	21.1 9.57
12 x 8 300 x 200	12.750 323.9	8.625 219.1	14.00 355.6	21.1 9.57
12 x 10 300 x 250	12.750 323.9	10.75 273.0	14.00 355.6	21.1 9.57



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