



Approvals/Listings:



See Victaulic [Publication 10.01](#) for Regulatory Approval Reference Guide.

See Victaulic [Publication 02.06](#) for potable water approvals if applicable

Product Description:

Victaulic offers a variety of stainless steel fittings in Types 304L and 316L stainless steel, ranging in size from 3/4 to 12"/20 to 300mm. Standard offerings in stainless steel fittings include Schedule 10S and 40S wall thicknesses, with Schedule 5S fittings also available by contacting Victaulic. See section 1 starting on page 2 for Schedule 10S fitting information and section 2 starting on page 11 for Schedule 40S fitting information. Schedule 5S dimensions are equal to those of Schedule 10S, though weights are different. Please contact Victaulic for more information about Schedule 5S weights.

Pressure ratings for stainless steel fittings are equivalent to the pressure rating of the coupling when installed on stainless steel pipe of equal wall thickness. Pressure ratings for ductile iron couplings approved for use on stainless steel pipe can be found in [publication 17.09](#).

In order to achieve Victaulic specified product performance, the proper Victaulic roll grooving tool and corresponding Victaulic roll set must be selected. When roll grooving ANSI Schedule 5S or 10S Type 304L or 316L stainless steel, a Victaulic manufactured RX roll set is required. Review [publication 17.01](#) for more details.

Job/Owner

System No.	
Location	

Contractor

Submitted By	
Date	

UL Classified in accordance with ANSI/NSF 61 for cold +73°F/+23°C and hot +180°F/+82°C potable water service and ANSI/NSF 372.

WARNING

- Victaulic RX roll sets must be used when grooving light-wall/thin-wall stainless steel pipe for use with Victaulic Couplings.

Failure to use Victaulic RX roll sets when grooving light-wall/thin-wall stainless steel pipe may cause joint failure, resulting in serious personal injury and/or property damage.

NOTICE

- Victaulic RX grooving rolls must be ordered separately. They are identified by a silver color and the designation RX on the front of the roll sets.

Engineer

Spec Section	
Paragraph	
Approved	
Date	

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

Schedule 10S Material Specifications:

Note: Fittings are optionally available in Sch. 5S for 3 – 12"/80 - 300mm.

90° & 45° Elbows:

1 – 2 1/2"/25 – 65 mm and 76.1 mm:

Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 744/A 744M.

3 – 12"/80 – 300 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M.

22 1/2° & 11 1/4° Elbows:

3/4 – 12"/20 – 300 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Tees:

1 – 1 1/4"/25 – 32 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 312/ A 312M, or sheet conforming to A 240/A 240M.

1 1/2 – 2 1/2"/40 – 65 mm and 76.1 mm:

Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 744/A 744M.

3 – 12"/80 – 300 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M.

Reducing Tees:

1 1/2 x 1 1/2 x 3/4 – 2 1/2 x 2 1/2 x 2"/40 x 40 x 20 – 65 x 65 x 50 mm and 76.1 x 76.1 x 60.3 mm:

Schedule 10S, Type 304L or 316L segmentally welded stainless steel from ASTM A 312/A 312M pipe.

3 x 3 x 3/4 – 12 x 12 x 10"/80 x 80 x 20 – 300 x 300 x 250 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Laterals, True Wyes, Crosses:

3/4 – 12"/20 – 300 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Adapter Nipples:

3/4 – 12"/20 – 300 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from pipe conforming to ASTM A 312/A 312M.

Concentric Reducers:

1 1/2 x 3/4 – 2 1/2 x 2"/40 x 20 – 65 x 50 mm and 76.1 x 60.3 mm:

Schedule 10S, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743 M and A 744/A 744M.

3 x 1 – 12 x 10"/80 x 25 – 300 x 250 mm:

Schedule 10S, Type 304 or 316 stainless steel roll grooved from material conforming to ASTM A 403/ A 403M.

Eccentric Reducers:

1 1/2 x 3/4 – 6 x 4"/40 x 20 – 150 x 100 mm:

Schedule 10S, Type 304L or 316L stainless steel roll grooved from material conforming to ASTM A 403/ A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

Caps:

$\frac{3}{4}$ – 12"/20 – 300 mm:

For use with Schedule 10S pipe, Grade CF8M (Type 316 stainless steel) conforming to ASTM A 351/A 351M, A 743/A 743M and A 744/A 744M.

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

Schedule 10S Weights and Dimensions

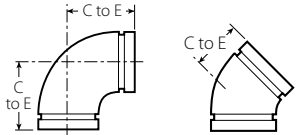
Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Elbows

No. 410 SS 90° Elbow

No. 411 SS 45° Elbow



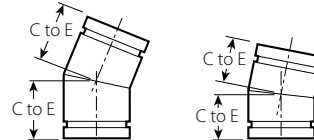
No. 410 SS

No. 411 SS

Elbows

No. 412 SS 22½° Elbow

No. 413 SS 11¼° Elbow



No. 412 SS

No. 413 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 410 SS 90° Elbow		No. 411 SS 45° Elbow	
		C to E inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
1 25	1.315 33.7	2.88 73	0.7 0.3	2.00 51	0.6 0.3
1 ¼ 32	1.660 42.4	3.13 80	1.0 0.5	2.00 51	0.8 0.4
1 ½ 40	1.900 48.3	3.50 89	1.4 0.6	2.13 54	1.0 0.4
2 50	2.375 60.3	4.50 114	2.2 1.0	2.75 70	1.6 0.7
2 ½ 65	2.875 73.0	5.00 127	3.3 1.5	2.88 73	2.2 1.0
76.1 mm	3.000 76.1	3.75 95	2.8 1.3	2.25 57	1.3 0.6
3 80	3.500 88.9	4.50 114	2.6 1.2	2.00 51	1.3 0.6
4 100	4.500 114.3	6.00 152	4.7 2.1	2.50 63	2.3 1.0
139.7 mm	5.500 139.7	7.50 190	7.8 3.5	3.13 79	3.1 1.4
165.1 mm	6.500 165.1	9.00 229	10.8 4.9	3.75 95	5.3 2.4
6 150	6.625 168.3	9.00 229	11.0 5.0	3.75 95	5.5 2.5
216 JIS	8.000 216.3	12.00 305	20.7 9.4	5.00 127	9.7 4.4
8 200	8.625 219.1	12.00 305	21.2 9.6	5.00 127	11.0 5.0
267 JIS	10.000 267.4	15.00 381	35.7 16.2	6.25 159	17.7 8.0
10 250	10.750 273.0	15.00 381	36.6 16.6	6.25 159	18.5 8.4
318 JIS	12.000 318.5	18.00 457	54.2 24.6	7.50 190	21.1 9.6
12 300	12.750 323.9	18.00 457	59.6 25.8	7.50 190	28.4 12.9

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 412 SS 22½° Elbow		No. 413 SS 11¼° Elbow	
		C to E inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	1.63 41	-	1.38 35	-
1 25	1.315 33.7	1.63 41	0.5 0.2	1.38 35	0.2 0.1
1 ¼ 32	1.660 42.4	1.75 44	0.6 0.3	1.38 35	0.4 0.2
1 ½ 40	1.900 48.3	1.75 44	0.6 0.3	1.38 35	0.4 0.2
2 50	2.375 60.3	1.88 48	1.0 0.5	1.38 35	0.7 0.3
2 ½ 65	2.875 73.0	2.00 51	1.4 0.6	1.50 38	0.7 0.3
76.1 mm	3.000 76.1	2.25 57	-	1.50 38	-
3 80	3.500 88.9	2.25 57	1.7 0.8	1.50 38	1.2 0.5
4 100	4.500 114.3	2.88 73	2.8 1.3	1.75 44	1.8 0.8
139.7 mm	5.500 139.7	2.88 73	-	2.00 51	-
165.1 mm	6.500 165.1	3.13 79	5.5 2.5	2.00 51	3.5 1.6
6 150	6.625 168.3	3.18 81	5.8 2.6	2.00 51	3.4 1.5
8 200	8.625 219.1	3.88 99	9.2 4.2	2.00 51	4.6 2.1
10 250	10.750 273.0	4.38 111	13.6 6.2	2.13 54	5.3 2.4
12 300	12.750 323.9	4.88 124	19.2 8	2.25 57	14.1 6.4

Note: All No. 412 SS and No. 413 SS elbows are segmentally welded stainless steel.

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

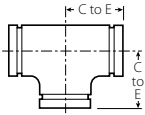
Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Tees

No. 420 SS



No. 420 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 420 SS Tee	
		C to E inches mm	Approx. Weight Each Lbs. kg
1 ^(sw)	1.315	2.25	0.7
25 ^(sw)	33.7	57	0.3
1¼	1.660	3.13	1.5
32	42.4	79	0.7
1½	1.900	3.38	2.2
40	48.3	86	1.0
2	2.375	2.75	2.4
50	60.3	70	1.1
2½	2.875	3.13	3.7
65	73.0	79	1.7
76.1 mm	3.000	3.75	4.5
	76.1	95	2.2
3	3.500	3.75	3.1
80	88.9	95	1.4
4	4.500	4.50	4.9
100	114.3	114	2.2
139.7 mm	5.500	5.25	7.9
	139.7	133	3.6
165.1 mm	6.500	5.88	11.3
	165.1	149	5.1
6	6.625	5.88	11.7
150	168.3	149	5.3
216 JIS	8.000	7.75	20.3
	216.3	197	9.2
8	8.625	7.75	20.4
200	219.1	197	9.3
267 JIS	10.000	8.88	33.9
	267.4	226	15.4
10	10.750	8.88	34.4
250	273.0	226	15.6
318 JIS	12.000	10.38	48.4
	318.5	264	22.0
12	12.750	10.38	52.4
300	323.9	264	23.8

NOTE: (sw) denotes segmentally welded

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

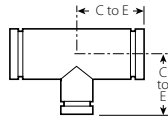
Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Reducing Tees

No. 425 SS



No. 425 SS

				No. 425 SS Reducing Tee		
Nominal Size				C to E Run	C to E Branch	Approx. Weight Each
inches	mm			inches	mm	Lbs. kg
1 1/2 40	x 1 1/2 40	x 3/4 ^(sw) 20		2.75 70	2.75 70	1.3 0.6
		x 1 ^(sw) 25		2.75 70	2.75 70	1.4 0.6
		x 1 1/4 ^(sw) 32		2.75 70	2.75 70	1.5 0.7
2 50	x 2 50	x 3/4 ^(sw) 20		3.25 83	3.25 83	2.0 0.9
		x 1 ^(sw) 25		3.25 83	3.25 83	2.1 1.0
		x 1 1/4 ^(sw) 32		3.25 83	3.25 83	2.3 1.0
		x 1 1/2 40		2.75 70	2.75 70	2.0 0.9
2 1/2 65	x 2 1/2 65	x 3/4 ^(sw) 20		3.75 95	3.75 95	2.8 1.3
		x 1 ^(sw) 25		3.75 95	3.75 95	3.0 1.4
		x 1 1/2 ^(sw) 40		3.75 95	3.75 95	3.5 1.8
		x 2 50		3.07 78	3.07 78	3.5 1.6
76.1	x 76.1	x 60.3		3.75 95	3.75 95	3.5 1.6
3 80	x 3 80	x 3/4 ^(sw) 20		4.25 108	4.25 108	4.0 1.8
		x 1 ^(sw) 25		4.25 108	4.25 108	4.1 1.9
		x 1 1/4 ^(sw) 32		4.25 108	4.25 108	4.2 1.9
		x 1 1/2 ^(sw) 40		4.25 108	4.25 108	4.3 2.0
		x 2 50		3.77 96	3.23 82	3.1 1.4
		x 2 1/2 65		3.77 96	3.23 82	3.1 1.4
	x 76.1			3.77 96	3.23 82	3.1 1.4

NOTE: (sw) denotes segmentally welded

				No. 425 SS Reducing Tee		
Nominal Size				C to E Run	C to E Branch	Approx. Weight Each
inches	mm			inches	mm	Lbs. kg
4 100	x 4 100	x 1 ^(sw) 25		5.00 127	5.00 127	5.0 2.3
		x 1 1/4 ^(sw) 32		5.00 127	5.00 127	5.3 2.4
		x 1 1/2 ^(sw) 40		5.00 127	5.00 127	5.6 2.5
		x 2 50		4.47 114	3.88 99	4.9 2.2
		x 2 1/2 65		4.47 114	3.82 97	4.9 2.2
		x 76.1		4.47 114	3.82 97	4.9 2.2
6 150	x 6 150	x 2 ^(sw) 50		6.50 165	6.50 165	11.6 5.3
		x 2 1/2 ^(sw) 65		6.50 165	6.50 165	12.1 5.5
		x 3 80		5.91 150	4.88 124	8.8 4.0
		x 4 100		5.91 150	5.12 130	9.5 4.3
8 200	x 8 200	x 2 1/2 ^(sw) 65		7.75 197	7.75 197	17.5 7.9
		x 3 ^(sw) 80		7.75 197	7.75 197	18.0 8.2
		x 4 100		7.79 198	6.31 160	18.1 8.2
		x 6 150		7.79 198	6.62 168	18.5 8.4
		x 8 200		8.89 226	8.59 218	31.3 14.2
		x 10 250		10.39 264	9.51 242	40.1 18.2
10 250	x 10 250	x 3 ^(sw) 80		9.00 229	9.00 229	29.0 13.2
		x 4 ^(sw) 100		9.00 229	9.00 229	30.0 13.6
		x 6 150		8.89 226	7.70 196	28.2 12.8
12 300	x 12 300	x 6 ^(sw) 150		10.00 254	10.00 254	43.0 19.5
		x 8 200		10.39 264	9.51 242	40.1 18.2
		x 10 250		10.39 264	9.89 251	47.6 21.6

NOTE: (sw) denotes segmentally welded

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

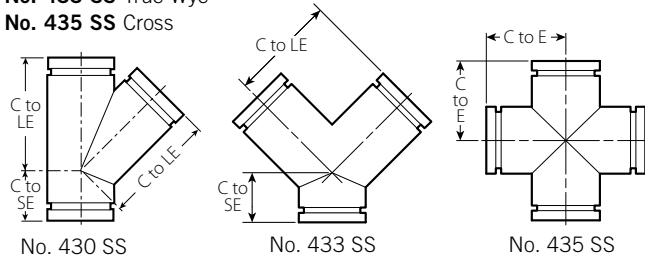
Dimensions:

45° Laterals, True Wyes and Crosses

No. 430 SS 45° Lateral

No. 433 SS True Wye

No. 435 SS Cross



Nominal Size inches mm	Actual Outside Diameter inches mm	No. 430 SS 45° Lateral			No. 433 SS True Wye			No. 435 SS Cross	
		C to LE inches mm	C to SE inches mm	Approx. Weight Each Lbs. kg	C to LE inches mm	C to SE inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
3/4 20	1.050 26.9	4.50 114	2.00 51	0.8 0.4	2.25 57	2.00 51	0.6 0.3	2.25 57	0.7 0.3
1 25	1.315 33.7	5.00 127	2.25 57	1.4 0.6	2.25 57	2.25 57	0.9 0.4	2.25 57	1.1 0.5
1 1/4 32	1.660 42.4	5.75 146	2.50 64	1.9 0.9	2.75 70	2.50 64	1.2 0.5	2.75 70	1.6 0.7
1 1/2 40	1.900 48.3	6.25 159	2.75 70	2.6 1.2	2.75 70	2.75 70	1.4 0.6	2.75 70	1.9 0.9
2 50	2.375 60.3	7.00 178	2.75 70	3.3 1.5	3.25 83	2.75 70	1.8 0.8	3.25 83	2.7 1.2
2 1/2 65	2.875 73.0	7.75 197	3.00 76	5.3 2.4	3.75 95	3.00 76	2.5 1.1	3.75 95	3.6 1.6
3 80	3.500 88.9	8.50 216	3.25 83	6.5 2.9	4.25 108	3.25 83	3.4 1.5	4.25 108	5.8 2.6
4 100	4.500 114.3	10.50 267	3.75 95	11.2 5.1	5.00 127	3.75 95	5.1 2.3	5.00 127	8.0 3.6
6 150	6.625 168.3	14.00 356	4.50 114	20.9 9.5	6.50 165	4.50 114	10.7 4.9	6.50 165	13.4 6.1
8 200	8.625 219.1	18.00 457	6.00 152	33.1 15.0	7.75 197	6.00 152	16.6 7.5	7.75 197	22.1 10.0
10 250	10.750 273.0	20.50 521	6.50 165	47.5 21.5	9.00 229	6.50 165	31.6 14.3	9.00 229	54.9 24.9
12 300	12.750 323.9	23.00 584	7.00 178	79.2 35.9	10.00 254	7.00 178	38.4 17.4	10.00 254	52.8 23.9

NOTE: All No. 430 SS, No. 433 SS and No. 435 SS fittings are segmentally welded.

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Adapter Nipples

No. 442 SS Grv. x Bev.

No. 443 SS Grv. x Grv.



No. 442 SS



No. 443 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 442 SS / No. 443 SS Adapter Nipple	
		E to E inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	3.00 76	0.2 0.1
1 25	1.315 33.7	3.00 76	0.3 0.1
1¼ 32	1.660 42.4	4.00 102	0.6 0.3
1½ 40	1.900 48.3	4.00 102	0.7 0.3
2 50	2.375 60.3	4.00 102	0.8 0.4
2½ 65	2.875 73.0	4.00 102	1.1 0.5
3 80	3.500 88.9	4.00 102	1.2 0.5
4 100	4.500 114.3	6.00 152	2.8 1.3
6 150	6.625 168.3	6.00 152	4.6 2.1
8 200	8.625 219.1	6.00 152	6.5 2.9
10 250	10.750 273.0	8.00 203	12.2 5.5
12 300	12.750 323.9	8.00 203	15.8 7.2

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

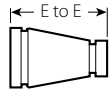
Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Concentric Reducers

No. 450 SS



No. 450 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 450 SS Concentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
1 1/2 40	3/4 20	1.900 48.3	1.3 0.6
		1.050 26.7	3.75 95
		1.315 33.7	1.4 0.6
2 50	1 1/4 32	2.375 60.3	1.5 0.7
		1.660 42.4	3.75 95
		1.900 48.3	2.0 0.9
2 1/2 65	1 1/2 40	2.875 73.0	2.1 1.0
		1.315 33.7	3.75 95
		1.660 42.4	2.3 1.0
3 80	2 50	3.000 76.1	1.3 0.6
		2.375 60.3	5.00 127
		2.75 70.0	3.0 1.4
4 100	2 1/2 65	3.500 88.9	2.8 1.3
		1.660 42.4	5.00 127
		1.900 48.3	1.7 0.8
6 150	3 80	5.00 127	1.7 0.8
		2.375 60.3	5.00 127
		2.75 70.0	3.0 1.4
8 200	4 100	6.625 168.3	1.5 0.7
		1.660 42.4	5.00 127
		1.900 48.3	1.5 0.7
10 250	5 125	8.625 219.1	1.5 0.7
		2.375 60.3	5.00 127
		2.75 70.0	1.5 0.7
12 300	6 150	10.750 273.0	1.5 0.7
		1.660 42.4	5.00 127
		1.900 48.3	1.5 0.7
1 1/2 40	3/4 20	1.900 48.3	1.3 0.6
		1.050 26.7	3.75 95
		1.315 33.7	1.4 0.6
2 50	1 1/4 32	2.375 60.3	1.5 0.7
		1.660 42.4	3.75 95
		1.900 48.3	2.0 0.9
2 1/2 65	1 1/2 40	2.875 73.0	2.1 1.0
		1.315 33.7	3.75 95
		1.660 42.4	2.3 1.0
3 80	2 50	3.000 76.1	1.3 0.6
		2.375 60.3	5.00 127
		2.75 70.0	3.0 1.4
4 100	2 1/2 65	3.500 88.9	2.8 1.3
		1.660 42.4	5.00 127
		1.900 48.3	1.7 0.8
6 150	3 80	5.00 127	1.7 0.8
		2.375 60.3	5.00 127
		2.75 70.0	3.0 1.4
8 200	4 100	6.625 168.3	1.5 0.7
		1.660 42.4	5.00 127
		1.900 48.3	1.5 0.7
10 250	5 125	8.625 219.1	1.5 0.7
		2.375 60.3	5.00 127
		2.75 70.0	1.5 0.7
12 300	6 150	10.750 273.0	1.5 0.7
		1.660 42.4	5.00 127
		1.900 48.3	1.5 0.7

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 450 SS Concentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
139.7 x 88.9	5.500 139.7	3.500 88.9	3.0 1.4
		4.500 114.3	3.2 1.5
6 150	2 1/2 65	2.875 73.0	6.8 3.1
		3.500 88.9	4.0 1.8
8 200	4 100	4.500 114.3	4.2 1.9
		5.500 139.7	4.5 2.0
10 250	6 150	6.625 168.3	5.3 2.4
		8.625 219.1	6.1 2.8
12 300	8 200	8.625 219.1	7.0 3.2
		10.750 273.0	8.8 4.0
1 1/2 40	3/4 20	1.900 48.3	11.5 5.2
		1.050 26.7	13.2 6.0
2 50	1 1/4 32	2.375 60.3	17.0 7.7
		1.660 42.4	
2 1/2 65	1 1/2 40	2.875 73.0	
		1.315 33.7	
3 80	2 50	3.000 76.1	
		2.375 60.3	
4 100	2 1/2 65	3.500 88.9	
		1.660 42.4	
6 150	3 80	5.00 127	
		2.375 60.3	
8 200	4 100	6.625 168.3	
		8.625 219.1	
10 250	6 150	8.625 219.1	
		10.750 273.0	
12 300	8 200	10.750 273.0	
		12.750 323.9	

SECTION 1: ANSI Schedule 10S Stainless Steel Fittings

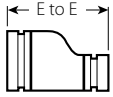
Schedule 10S Weights and Dimensions

Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

Dimensions:

Eccentric Reducers

No. 451 SS

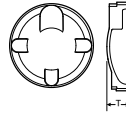


No. 451 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 451 SS Eccentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
1 1/2 40 x 1 25	1.900 48.3 x 1.315 33.7	3.75 95	1.4 0.6
		3.75 95	1.5 0.7
2 50 x 1 25	2.375 60.3 x 1.315 33.7	3.75 95	2.1 1.0
		3.75 95	2.3 1.0
		3.75 95	2.5 1.1
2 1/2 65 x 1 1/2 32	2.875 73.0 x 1.900 48.3	5.00 127	3.0 1.4
		5.00 127	3.5 1.6
3 80 x 1 1/2 40	3.500 88.9 x 1.900 48.3	5.00 127	4.2 1.9
		5.00 127	4.3 2.0
		5.00 127	4.5 2.0
4 100 x 2 50	4.500 114.3 x 2.375 60.3	5.00 127	4.8 2.2
		5.00 127	5.8 2.6
		5.00 127	5.9 2.7
6 150 x 2 1/2 65	6.625 168.3 x 2.875 73.0	9.00 229	6.8 3.1
		9.00 229	6.9 3.1
		9.00 229	7.0 3.2

Caps

No. 460 SS



No. 460 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 460 SS Cap	
		Thickness "T" inches mm	Approx. Weight Each Lbs. kg
3/4 20	1.050 26.9	0.75 19	0.1 0.1
1 25	1.315 33.7	0.75 19	0.2 0.1
1 1/4 32	1.660 42.4	0.75 19	0.3 0.1
1 1/2 40	1.900 48.3	0.75 19	0.4 0.2
2 50	2.375 60.3	1.00 25	0.6 0.3
2 1/2 65	2.875 73.0	1.13 29	0.9 0.4
76.1 mm	3.000 76.1	1.13 29	1.1 0.5
3 80	3.500 88.9	1.00 26	1.1 0.5
4 100	4.500 114.3	1.13 29	1.8 0.8
139.7 mm	5.500 139.7	1.38 35	3.2 1.5
165.1 mm	6.500 165.1	1.75 44	4.1 1.9
6 150	6.625 168.3	1.75 44	4.0 1.8
216 JIS	8.000 216.3	2.25 57	7.0 3.2
8 200	8.625 219.1	2.25 57	7.0 3.2
267 JIS	10.000 267.4	2.75 70	7.5 3.4
10 250	10.750 273.0	2.75 70	17.8 8.1
318 JIS	12.000 318.5	3.25 83	26.3 12.0
12 300	12.750 323.9	3.25 83	26.7 12.1

SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Material Specifications:

Note: Schedule 40S fittings in this document, except No. 410H SS and No. 411H SS, are segmentally welded stainless steel.

Elbows:

$\frac{3}{4}$ – 12"/20 – 300 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M.

Tees:

1 – 12"/25 – 300 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Reducing Tees:

2 x 2 x 1 – 12 x 12 x 10"/50 x 50 x 25 – 300 x 300 x 250 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Laterals, True Wyes, Crosses:

$\frac{3}{4}$ – 12"/20 – 300 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312 M, or sheet conforming to ASTM A 240/A 240M.

Adapter Nipples:

$\frac{3}{4}$ – 12"/20 – 300 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from pipe conforming to ASTM A 312/A 312 M.

Concentric Reducers:

2 x 1 – 12 x 10"/50 x 25 – 300 x 250 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Eccentric Reducers:

2 x 1 – 12 x 10"/50 x 25 – 300 x 250 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

Caps:

$\frac{3}{4}$ – 6"/20 – 150 mm:

For use with Schedule 40S pipe, Type 304L or 316L stainless steel conforming to ASTM A 403/A 403M.

8 – 12"/200 – 300 mm:

Schedule 40S, Type 304L or 316L stainless steel roll or cut grooved from material conforming to ASTM A 403/A 403M, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to ASTM A 240/A 240M.

SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

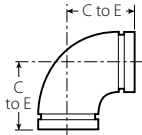
Schedule 40S Weights and Dimensions

Dimensions:

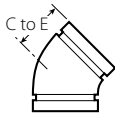
Elbows

No. 410H SS 90° Elbow

No. 411H SS 45° Elbow



No. 410H SS



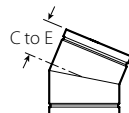
No. 411H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 410H SS 90° Elbow		No. 411H SS 45° Elbow	
		C to E inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
1 25	1.315 33.7	2.88 73	0.7 0.3	2.25 57	0.6 0.3
1 ¼ 32	1.660 42.4	3.25 83	1.3 0.6	2.38 61	0.9 0.4
1 ½ 40	1.900 48.3	3.63 92	1.4 0.6	2.50 64	1.1 0.5
2 50	2.375 60.3	4.38 111	2.5 1.1	2.75 70	2.4 1.1
2 ½ 65	2.875 73.0	5.13 130	3.8 1.7	3.13 80	2.8 1.3
3 80	3.500 88.9	5.88 149	5.4 2.4	3.38 86	4.1 1.9
4 100	4.500 114.3	7.50 191	12.0 5.4	4.00 102	4.8 2.2
6 150	6.625 168.3	10.75 273	29.3 13.3	5.50 140	17.0 7.7
8 200	8.625 219.1	14.25 362	59.0 26.8	7.25 184	34.0 15.4
10 250	10.750 273.0	17.25 438	99.0 44.9	8.50 216	58.3 26.4
12 300	12.750 323.9	20.50 521	142.0 64.4	10.00 254	85.0 38.6

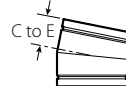
Elbows

No. 412H SS 22½° Elbow

No. 413H SS 11¼° Elbow



No. 412H SS



No. 413H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 412H SS 22½° Elbow		No. 413H SS 11¼° Elbow	
		C to E inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	1.63 41	-	1.38 35	-
1 25	1.315 33.7	1.63 41	0.6 0.3	1.38 35	0.3 0.1
1 ¼ 32	1.660 42.4	1.75 44	0.8 0.4	1.38 35	0.5 0.2
1 ½ 40	1.900 48.3	1.75 44	0.8 0.4	1.38 35	0.5 0.2
2 50	2.375 60.3	1.88 48	1.4 0.6	1.38 35	1.0 0.5
2 ½ 65	2.875 73.0	2.00 51	2.3 1.0	1.50 38	1.1 0.5
3 80	3.500 88.9	2.25 57	3.1 1.4	1.50 38	2.1 1.0
4 100	4.500 114.3	2.88 73	5.6 2.5	1.75 44	3.6 1.6
6 150	6.625 168.3	3.18 81	12.2 5.5	2.00 51	7.0 3.2
8 200	8.625 219.1	3.88 99	20.0 9.1	2.00 51	10.1 4.6
10 250	10.750 273.0	4.38 111	30.0 13.6	2.13 54	11.8 5.3
12 300	12.750 323.9	4.88 124	40.0 18.1	2.25 57	29.3 13.3

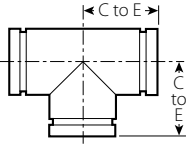
SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Weights and Dimensions

Dimensions:

Tees

No. 420H SS



No. 420H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 420H SS Tee	
		C to E inches mm	Approx. Weight Each Lbs. kg
1 25	1.315 33.7	2.25 57	0.9 0.4
1 ¼ 32	1.660 42.4	2.75 70	1.5 0.7
1 ½ 40	1.900 48.3	2.75 70	1.7 0.8
2 50	2.375 60.3	3.25 83	2.5 1.1
2 ½ 65	2.875 73.0	3.75 95	4.7 2.1
3 80	3.500 88.9	4.25 108	7.0 3.2
4 100	4.500 114.3	5.00 127	13.0 5.9
6 150	6.625 168.3	6.50 165	26.4 12.0
8 200	8.625 219.1	7.75 197	46.1 20.9
10 250	10.750 273.0	9.00 229	71.5 32.4
12 300	12.750 323.9	10.00 254	100.0 45.4

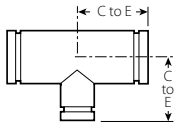
SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Weights and Dimensions

Dimensions:

Reducing Tees

No. 425H SS



No. 425H SS

Nominal Size inches mm	Actual Outside Diameter inches mm		No. 425H SS Reducing Tee	
			C to E inches mm	Approx. Weight Each Lbs. kg
2 50 x 2 50 x 1 25	2.375 60.3 x 2.375 60.3 x	1.315 33.7	3.25 83	2.5 1.1
			3.25 83	2.8 1.3
			3.25 83	3.2 1.5
2½ 65 x 2½ 65 x 1½ 40	2.875 73.0 x 2.875 73.0 x	1.900 48.3	3.75 95	4.4 2.0
			3.50 89	4.5 2.0
3 80 x 3 80 x 1½ 40	3.500 88.9 x 3.500 88.9 x	1.900 48.3	4.25 108	4.5 2.0
			4.25 108	5.2 2.4
			4.25 108	5.6 2.5
4 100 x 4 100 x 2 50	4.500 114.3 x 4.500 114.3 x	2.375 60.3	5.00 127	10.2 4.6
			5.00 127	10.5 4.8
			5.00 127	11.6 5.3
6 150 x 6 150 x 2 50	6.625 168.3 x 6.625 168.3 x	2.375 60.3	6.50 165	22.0 10.0
			6.50 165	22.4 10.2
			6.50 165	22.8 10.3
8 200 x 8 200 x 3 80	8.625 219.1 x 8.625 219.1 x	3.500 88.9	7.75 197	35.0 15.9
			7.75 197	39.3 17.8
			7.75 197	45.0 20.4

Nominal Size inches mm	Actual Outside Diameter inches mm		No. 425H SS Reducing Tee	
			C to E inches mm	Approx. Weight Each Lbs. kg
10 250 x 10 250 x 4 100	10.750 323.9 x 10.750 323.9 x	4.500 88.9	9.00 229	63.0 28.6
			9.00 229	68.3 31.0
			9.00 229	71.0 32.2
12 300 x 12 300 x 6 150	12.750 323.9 x 12.750 323.9 x	6.625 168.3	10.00 254	73.0 33.1
			10.00 254	75.0 34.0
			10.00 254	77.0 34.9

SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Weights and Dimensions

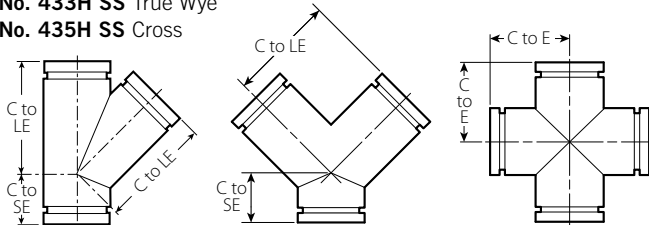
Dimensions:

45° Laterals, True Wyes and Crosses

No. 430H SS 45° Lateral

No. 433H SS True Wye

No. 435H SS Cross



No. 430H SS

No. 433H SS

No. 435H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 430H SS 45° Lateral			No. 433H SS True Wye			No. 435H SS Cross	
		C to LE inches mm	C to SE inches mm	Approx. Weight Each Lbs. kg	C to LE inches mm	C to SE inches mm	Approx. Weight Each Lbs. kg	C to E inches mm	Approx. Weight Each Lbs. kg
3/4 20	1.050 26.9	4.50 114	2.00 51	1.0 0.5	2.25 57	2.00 51	0.7 0.3	2.25 57	0.9 0.4
1 25	1.315 33.7	5.00 127	2.25 57	1.7 0.8	2.25 57	2.25 57	1.1 0.5	2.25 57	1.3 0.6
1 1/4 32	1.660 42.4	5.75 146	2.50 64	2.5 1.1	2.75 70	2.50 64	1.5 0.7	2.75 70	2.1 1.0
1 1/2 40	1.900 48.3	6.25 159	2.75 70	3.5 1.6	2.75 70	2.75 70	1.8 0.8	2.75 70	2.5 1.1
2 50	2.375 60.3	7.00 178	2.75 70	4.6 2.1	3.25 83	2.75 70	2.5 1.1	3.25 83	3.8 1.7
2 1/2 65	2.875 73.0	7.75 197	3.00 76	9.0 94.1	3.75 95	3.00 76	4.3 2.0	3.75 95	6.1 2.8
3 80	3.500 88.9	8.50 216	3.25 83	11.7 5.4	4.25 108	3.25 83	6.1 2.8	4.25 108	10.5 4.8
4 100	4.500 114.3	10.50 267	3.75 95	22.2 10.1	5.00 127	3.75 95	10.0 4.5	5.00 127	15.8 7.2
6 150	6.625 168.3	14.00 356	4.50 114	43.6 19.8	6.50 165	4.50 114	22.3 10.1	6.50 165	28.0 12.7
8 200	8.625 219.1	18.00 457	6.00 152	72.0 32.7	7.75 197	6.00 152	36.0 16.3	7.75 197	48.0 21.8
10 250	10.750 273.0	20.50 521	6.50 165	105.0 47.6	9.00 229	6.50 165	69.9 31.7	9.00 229	121.5 55.1
12 300	12.750 323.9	23.00 584	7.00 178	165.0 74.8	10.00 254	7.00 178	80.0 36.3	10.00 254	110.0 49.9

SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Weights and Dimensions

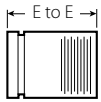
Dimensions:

Adapter Nipples

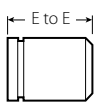
No. 440H SS Grv. x Thd.

No. 442H SS Grv. x Bev.

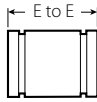
No. 443H SS Grv. x Grv.



No. 440H SS



No. 442H SS



No. 443H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 440H SS / No. 442H SS / No. 443H SS Adapter Nipple	
		E to E inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	3.00 76	0.3 0.1
1 25	1.315 33.7	3.00 76	0.4 0.2
1¼ 32	1.660 42.4	4.00 102	0.8 0.4
1½ 40	1.900 48.3	4.00 102	0.9 0.4
2 50	2.375 60.3	4.00 102	1.2 0.5
2½ 65	2.875 73.0	4.00 102	1.9 0.9
3 80	3.500 88.9	4.00 102	2.5 1.1
4 100	4.500 114.3	6.00 152	5.5 2.5
6 150	6.625 168.3	6.00 152	9.5 4.3
8 200	8.625 219.1	6.00 152	14.2 6.4
10 250	10.750 273.0	8.00 203	27.0 12.2
12 300	12.750 323.9	8.00 203	33.0 15.0

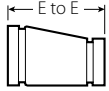
SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Schedule 40S Weights and Dimensions

Dimensions:

Concentric Reducers

No. 450H SS



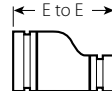
No. 450H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 450H SS Concentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
2 50 x 1 25 x 1 1/4 32 x 1 1/2 40	2.375 60.3 x 1.315 33.7 x 1.660 42.4 x 1.900 48.3	9.00 229	2.1 1.0
		9.00 229	2.4 1.1
		9.00 229	2.5 1.1
2 1/2 65 x 1 1/4 32 x 2 50	2.875 73.0 x 1.315 33.7 x 1.660 42.4 x 2.375 60.3	9.50 241	3.2 1.5
		9.50 241	3.4 1.5
		9.50 241	4.0 1.8
3 80 x 1 1/2 40 x 2 50 x 2 1/2 65	3.500 88.9 x 1.900 48.3 x 2.375 60.3 x 2.875 73.0	9.50 241	3.6 1.6
		9.50 241	4.8 2.2
		9.50 241	5.5 2.5
4 100 x 2 50 x 2 1/2 65 x 3 80	4.500 114.3 x 2.375 60.3 x 2.875 73.0 x 3.500 88.9	10.00 254	6.8 3.1
		10.00 254	7.5 3.4
		10.00 254	8.6 3.9
6 150 x 3 80 x 4 100	6.625 168.3 x 3.500 88.9 x 4.500 114.3	11.50 292	15.0 6.8
		11.50 292	16.0 7.3
8 200 x 4 100 x 6 150	8.625 219.1 x 4.500 114.3 x 6.625 168.3	12.00 305	24.0 10.9
		12.00 305	26.0 11.8
10 250 x 6 150 x 8 200	10.750 273.0 x 6.625 168.3 x 8.625 219.1	13.00 330	40.0 18.1
		13.00 330	43.0 19.5
12 300 x 8 200 x 10 250	12.750 323.9 x 8.625 219.1 x 10.750 273.0	14.00 356	52.5 23.8
		14.00 356	57.0 25.9

Dimensions:

Eccentric Reducers

No. 451H SS



No. 451H SS

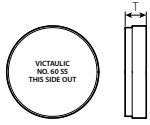
Nominal Size inches mm	Actual Outside Diameter inches mm	No. 451H SS Eccentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
2 50 x 1 25 x 1 1/4 32 x 1 1/2 40	2.375 60.3 x 1.315 33.7 x 1.660 42.4 x 1.900 48.3	9.00 229	2.1 1.0
		9.00 229	2.4 1.1
		9.00 229	2.5 1.1
2 1/2 65 x 1 1/2 40 x 2 50	2.875 73.0 x 1.900 48.3 x 2.375 60.3	9.50 241	3.6 1.6
		9.50 241	4.0 1.8
3 80 x 1 1/2 40 x 2 50 x 2 1/2 65	3.500 88.9 x 1.900 48.3 x 2.375 60.3 x 2.875 73.0	9.50 241	3.6 1.6
		9.50 241	4.8 2.2
		9.50 241	5.5 2.5
4 100 x 2 50 x 2 1/2 65 x 3 80	4.500 114.3 x 2.375 60.3 x 2.875 73.0 x 3.500 88.9	10.00 254	6.8 3.1
		10.00 254	7.5 3.4
		10.00 254	8.6 3.9
6 150 x 3 80 x 4 100	6.625 168.3 x 3.500 88.9 x 4.500 114.3	11.50 292	15.0 6.8
		11.50 292	16.0 7.3
8 200 x 4 100 x 6 150	8.625 219.1 x 4.500 114.3 x 6.625 168.3	12.00 305	24.0 10.9
		12.00 305	26.0 11.8
10 250 x 6 150 x 8 200	10.750 273.0 x 6.625 168.3 x 8.625 219.1	13.00 330	40.0 18.1
		13.00 330	43.0 19.5
12 300 x 8 200 x 10 250	12.750 323.9 x 8.625 219.1 x 10.750 273.0	14.00 356	52.5 23.8
		14.00 356	57.0 25.9

SECTION 2: ANSI Schedule 40S Stainless Steel Fittings

Dimensions:

Caps

No. 460H SS



No. 460H SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 460H SS Cap	
		Thickness "T" inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	0.91 23	0.2 0.10
1 25	1.315 33.7	0.91 23	0.3 0.14
1¼ 32	1.660 42.4	0.94 24	0.6 0.27
1½ 40	1.900 48.3	0.94 24	0.7 0.32
2 50	2.375 60.3	0.94 24	1.2 0.54
2½ 65	2.875 73.0	0.97 25	1.7 0.77
3 80	3.500 88.9	0.97 25	2.6 1.18
4 100	4.500 114.3	1.03 26	4.6 2.09
6 150	6.625 168.3	1.03 26	10.1 4.58
8* 200	8.625 219.1	6.25 159	21.8 9.89
10* 250	10.750 273.0	7.25 184	34.0 15.42
12* 300	12.750 323.9	8.50 216	47.9 21.73

NOTE: (*) denotes dish caps

NOTE: Sizes 8"-12" have an End to End dimension of that listed. Thickness does not apply

Installation

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Trademarks

Victaulic is a registered trademark of Victaulic Company.