



## Approvals/Listings:



See Victaulic Publication [10.01](#) for more details.

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 document [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 document 17.01 for more details.

For specific details regarding ANSI/NSF 61 Certification for cold (+86°F/+30°C) and hot (180°F/82°C) potable water service for the stainless steel fittings described in this document, please visit [www.nsf.org](http://www.nsf.org).

### Job/Owner

System No.	
Location	

### Contractor

Submitted By	
Date	

### Engineer

Spec Section	
Paragraph	
Approved	
Date	

## SECTION 1: ANSI Sch. 10S Stainless Steel Fittings

### Sch. 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.

#### Tees:

##### 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, or pipe conforming to ASTM A 312/A 312M, or sheet conforming to A 240/A 240M.

#### 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:

##### 3/4 – 12"/80 – 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.

#### True Wyes:

##### 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.

#### 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 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 Sch. 10S Stainless Steel Fittings

### Caps:

#### $\frac{3}{4}$ – 12"/80 – 300 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.

# SECTION 1: ANSI Sch. 10S Stainless Steel Fittings

## Schedule 10S Weights and Dimensions

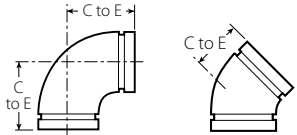
Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

### Dimensions:

#### Elbows

No. 410 SS 90° Elbow

No. 411 SS 45° Elbow



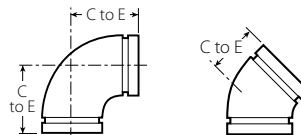
No. 410 SS

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 Sch. 10S Stainless Steel Fittings

## Schedule 10S Weights and Dimensions

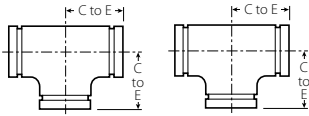
Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

### Dimensions:

#### Tees

No. 420 SS

No. 20 SS



No. 420 SS

No. 20 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	Style Number	Tee	
			C to E inches mm	Approx. Weight Each Lbs. kg
1 25	1.315 33.7	No. 20 SS*	2.25 57	0.7 0.3
1 ¼ 32	1.660 42.4	No. 20 SS*	3.13 79	1.5 0.7
1 ½ 40	1.900 48.3	No. 420 SS	3.38 86	2.2 1.0
2 50	2.375 60.3	No. 420 SS	2.75 70	2.4 1.1
2 ½ 65	2.875 73.0	No. 420 SS	3.13 79	3.7 1.7
76.1 mm	3.000 76.1	No. 420 SS	3.75 95	4.5 2.2
3 80	3.500 88.9	No. 420 SS	3.75 95	3.1 1.4
4 100	4.500 114.3	No. 420 SS	4.50 114	4.9 2.2
139.7 mm	5.500 139.7	No. 420 SS	5.25 133	7.9 3.6
165.1 mm	6.500 165.1	No. 420 SS	5.88 149	11.3 5.1
6 150	6.625 168.3	No. 420 SS	5.88 149	11.7 5.3
216 JIS	8.000 216.3	No. 420 SS	7.75 197	20.3 9.2
8 200	8.625 219.1	No. 420 SS	7.75 197	20.4 9.3
267 JIS	10.000 267.4	No. 420 SS	8.88 226	33.9 15.4
10 250	10.750 273.0	No. 420 SS	8.88 226	34.4 15.6
318 JIS	12.000 318.5	No. 420 SS	10.38 264	48.4 22.0
12 300	12.750 323.9	No. 420 SS	10.38 264	52.4 23.8

\* No. 20 SS elbows are Schedule 10S, Type 304L or 316L stainless steel from A403CR/S9.

# SECTION 1: ANSI Sch. 10S Stainless Steel Fittings

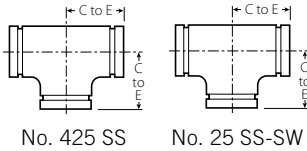
## Schedule 10S Weights and Dimensions

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. 25 SS-SW



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

Nominal Size inches mm	Style Number	Reducing Tee		
		C to E Run inches mm	C to E Branch inches mm	Approx. Weight Each Lbs. kg
4 x 4 x 1	No. 25 SS-SW	5.00 127	5.00 127	5.0 2.3
	No. 25 SS-SW	5.00 127	5.00 127	5.3 2.4
	No. 25 SS-SW	5.00 127	5.00 127	5.6 2.5
	No. 425 SS-SW	4.47 114	3.88 99	4.9 2.2
	No. 425 SS-SW	4.47 114	3.82 97	4.9 2.2
	No. 425 SS-SW	4.47 114	3.82 97	4.9 2.2
	No. 425 SS-SW	4.47 114	3.88 99	4.9 2.2
	No. 425 SS-SW	4.47 114	3.88 99	4.9 2.2
139.7 x 139.7 x 88.9	No. 425 SS	5.28 134	4.38 111	6.85 3.1
	No. 425 SS	5.28 134	4.38 111	7.85 3.6
6 x 6 x 2	No. 25 SS-SW	6.50 165	6.50 165	11.6 5.3
	No. 25 SS-SW	6.50 165	6.50 165	12.1 5.5
	No. 425 SS	5.91 150	4.88 124	8.8 4.0
	No. 425 SS	5.91 150	5.12 130	9.5 4.3
	No. 425 SS	5.91 150	5.12 130	9.5 4.3
8 x 8 x 2 1/2	No. 25 SS-SW	7.75 197	7.75 197	17.5 7.9
	No. 25 SS-SW	7.75 197	7.75 197	18.0 8.2
	No. 425 SS	7.79 198	6.31 160	18.1 8.2
	No. 425 SS	7.79 198	6.62 168	18.5 8.4
	No. 425 SS	7.79 198	6.62 168	18.5 8.4
10 x 10 x 3	No. 25 SS-SW	9.00 229	9.00 229	29.0 13.2
	No. 25 SS-SW	9.00 229	9.00 229	30.0 13.6
	No. 425 SS	8.89 226	7.70 196	28.2 12.8
	No. 425 SS	8.89 226	8.59 218	31.3 14.2
	No. 425 SS	8.89 226	8.59 218	31.3 14.2
12 x 12 x 6	No. 25 SS-SW	10.00 254	10.00 254	43.0 19.5
	No. 425 SS	10.39 264	9.51 242	40.1 18.2
	No. 425 SS	10.39 264	9.89 251	47.6 21.6
	No. 425 SS	10.39 264	9.89 251	47.6 21.6

Note: SS-SW denotes segmentally welded.

# SECTION 1: ANSI Sch. 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.

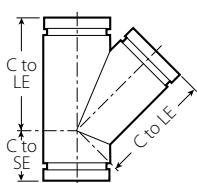
### Dimensions:

#### 45° Laterals, True Wyes and Crosses

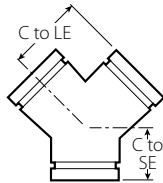
No. 430 SS 45° Lateral

No. 433 SS True Wye

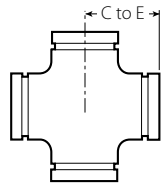
No. 435 SS Cross



No. 430 SS



No. 433 SS



No. 435 SS

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	6.50 155	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 Sch. 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:

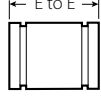
#### Adapter Nipples

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	
		C 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 Sch. 10S Stainless Steel Fittings

## Schedule 10S Weights and Dimensions

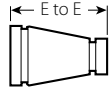
Schedule 5S fittings feature the same C to E and E to E dimensions as Schedule 10S fittings, found below. For Schedule 5S weights, please contact Victaulic.

### Dimensions:

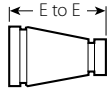
#### Concentric Reducers

No. 450 SS

No. 50 SSLT



No. 450 SS



No. 50 SSLT

Nominal Size inches mm	Actual Outside Dia. inches mm	Style Number	Reducing Tee		
			E to E Run inches mm	Approx. Weight Each Lbs. kg	
1 1/2 40	1.900 48.3 x 1.050 26.7	No. 50 SSLT	3.75 95	1.3 0.6	
			No. 50 SSLT	3.75 95	1.4 0.6
				3.75 95	1.5 0.7
2 50	2.375 60.3 x 1.050 26.7	No. 50 SSLT	3.75 95	2.0 0.9	
			No. 50 SSLT	3.75 95	2.1 1.0
				3.75 95	2.3 1.0
		No. 450 SS	5.00 127	1.3 0.6	
			5.00 127	1.7 0.8	
2 1/2 65	2.875 73.0 x 1.315 33.7	No. 50 SSLT	5.00 127	3.0 1.4	
			No. 50 SSLT	5.00 127	2.8 1.3
				5.00 127	1.7 0.8
76.1	3.000 76.1 x 2.375 60.3	No. 450 SS	2.50 64	1.7 0.8	
			2.50 64	1.7 0.8	
3 80	3.500 88.9 x 1.315 33.7	No. 50 SSLT	5.00 127	4.0 1.8	
			No. 50 SSLT	5.00 127	4.1 1.9
				5.00 127	4.2 1.9
		No. 450 SS	5.00 127	1.6 0.7	
			5.00 127	1.5 0.7	
			5.00 127	1.5 0.7	
			5.00 127	1.5 0.7	
4 100	4.500 114.3 x 2.375 60.3	No. 450 SS	5.00 127	3.9 1.8	
			No. 50 SSLT	5.00 127	5.8 2.6
		No. 450 SS		5.00 127	5.8 2.6
			No. 450 SS	5.00 127	2.0 0.9

Nominal Size inches mm	Actual Outside Dia. inches mm	Style Number	Reducing Tee	
			C to E Run inches mm	Approx. Weight Each Lbs. kg
139.7 x 88.9	5.500 139.7 x 3.500 88.9	No. 450 SS	5.00 127	3.0 1.4
			No. 450 SS	5.00 127
6 150	6.625 168.3 x 2.875 73.0	No. 50 SSLT	9.00 229	6.8 3.1
			No. 450 SS	5.50 140
		No. 450 SS		5.50 140
			No. 450 SS	5.50 140
8 200	8 200 x 4.500 114.3	No. 450 SS	6.00 152	5.3 2.4
			No. 450 SS	6.00 152
		No. 450 SS		6.00 152
10 250	10.750 273 x 6.625 168.3	No. 450 SS	7.00 178	8.8 4.0
			No. 450 SS	7.00 178
12 300	12.750 323.9 x 8.625 219.1	No. 450 SS	8.00 203	13.2 6.0
			No. 450 SS	8.00 203

\* No. 450 SS in this size is Grade CF8M conforming to ASTM A 351/A 351M, A 743/A 743M and A 744/A 744M.

# SECTION 1: ANSI Sch. 10S Stainless Steel Fittings

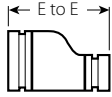
## Schedule 10S Weights and Dimensions

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 Reducer

##### No. 51 SSLT

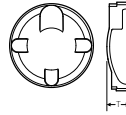


No. 51 SSLT

Nominal Size inches mm	Actual Outside Dia. inches mm	No. 51 SSLT Eccentric Reducer			
		E to E Run inches mm	Approx. Weight Each Lbs. kg		
1 1/2 40	x 3/4 20	1.900 48.3	1.050 26.9	3.75 95	1.3 0.6
		x 1 25	x 1.315 33.7	3.75 95	1.4 0.6
		x 1 1/4 32	x 1.660 42.4	3.75 95	1.5 0.7
2 50	x 3/4 20	2.375 60.3	x 1.050 26.7	3.75 95	2.0 0.9
		x 1 25	x 1.315 33.7	3.75 95	2.1 1.0
		x 1 1/4 32	x 1.660 42.4	3.75 95	2.3 1.0
		x 1 1/2 40	x 1.900 48.3	3.75 95	2.5 1.1
2 1/2 65	x 1 25	2.875 73.0	x 1.315 33.7	5.00 127	2.8 1.3
		x 1 1/2 32	x 1.900 48.3	5.00 127	3.0 1.4
		x 2 50	x 2.375 60.3	5.00 127	3.5 1.6
3 80	x 1 25	3.500 88.9	x 1.315 33.7	5.00 127	4.0 1.8
		x 1 1/4 32	x 1.660 42.4	5.00 127	4.1 1.9
		x 1 1/2 40	x 1.900 48.3	5.00 127	4.2 1.9
		x 2 50	x 2.375 60.3	5.00 127	4.3 2.0
		x 2 1/2 65	x 2.875 73.0	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
		x 2 1/2 65	x 2.875 73.0	5.00 127	5.8 2.6
		x 3 80	x 3.500 88.9	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
		x 3 80	x 3.500 88.9	9.00 229	6.9 3.1
		x 4 100	x 4.500 114.3	9.00 229	7.0 3.2

#### Cap

##### No. 460 SS



No. 460 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 460 SS Cap	
		C to E 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 Sch. 40S Stainless Steel Fittings

### Sch. 40S Material Specifications:

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Note: Sch. 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:

##### $\frac{3}{4}$ – 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.

#### True Wyes:

##### $\frac{3}{4}$ – 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.

#### 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:

##### $\frac{3}{4}$ – 12"/20 – 300 mm:

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

# SECTION 2: ANSI Sch. 40S Stainless Steel Fittings

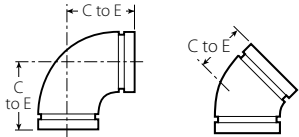
## Schedule 40S Weights and Dimensions

### 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

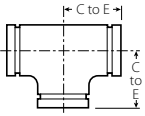
## SECTION 2: ANSI Sch. 40S Stainless Steel Fittings

### Schedule 40S Weights and Dimensions

**Dimensions:**

**Tee**

**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

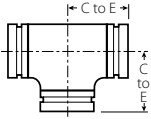
## SECTION 2: ANSI Sch. 40S Stainless Steel Fittings

### Schedule 40S Weights and Dimensions

**Dimensions:**

**Reducing Tees**

**No. 425H SS**



No. 425H SS

Nominal Size inches mm	Actual Outside Dia. 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 Dia. inches mm		No. 425H SS Reducing Tee	
			C to E Branch 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 Sch. 40S Stainless Steel Fittings

### Schedule 40S Weights and Dimensions

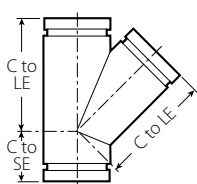
**Dimensions:**

**45° Laterals, True Wyes and Crosses**

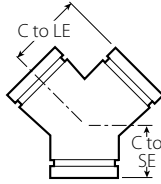
No. 430H SS 45° Elbow

No. 433H SS True Wye

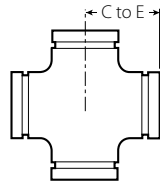
No. 435H SS Cross



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	6.50 155	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 Sch. 40S Stainless Steel Fittings

### Schedule 40S Weights and Dimensions

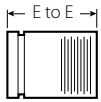
#### Dimensions:

#### Adapter Nipples

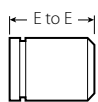
No. 440H SS Grv. x Thd.

No. 442H SS Grv. x Bev.

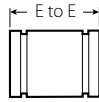
No. 443H SS Grv. x Grv.



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	
		C 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



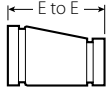
# SECTION 2: ANSI Sch. 40S Stainless Steel Fittings

## Schedule 40S Weights and Dimensions

### Dimensions:

#### Concentric Reducers

No. 450H SS



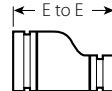
No. 450H SS

Nominal Size inches mm	Actual Outside Dia. 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 Reducer

No. 451H SS



No. 451H SS

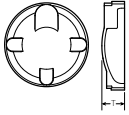
Nominal Size inches mm	Actual Outside Dia. inches mm	No. 451H SS Eccentric Reducer	
		E to E inches mm	Approx. Weight Each Lbs. kg
2 50 x 1 25 x 1 1/4 32 x 1 1/2 40	2.375 60.3 x 1.315 33.7 x 1.660 42.4 x 1.900 48.3	9.00 229	2.1 1.0
		9.00 229	2.4 1.1
		9.00 229	2.5 1.1
2 1/2 65 x 1 1/4 32 x 1 1/2 40 x 2 50	2.875 73.0 x 1.315 33.7 x 1.900 48.3 x 2.375 60.3	9.50 241	3.2 1.5
		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 Sch. 40S Stainless Steel Fittings

### Dimensions:

#### Cap

#### No. 60 SS



No. 60 SS

Nominal Size inches mm	Actual Outside Diameter inches mm	No. 60 SS Cap	
		Thicknes "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	1.31 33	21.8 9.89
10 250	10.750 273.0	1.31 33	34.0 15.42
12 300	12.750 323.9	1.31 33	47.9 21.73

#### 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](http://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

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