

## STAINLESS STEEL GROOVED END FITTINGS



SS-21



SS-50



SS-21F



SS-50F



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website [www.shurjoint.com](http://www.shurjoint.com) for details or contact your SHURJOINT representatives.

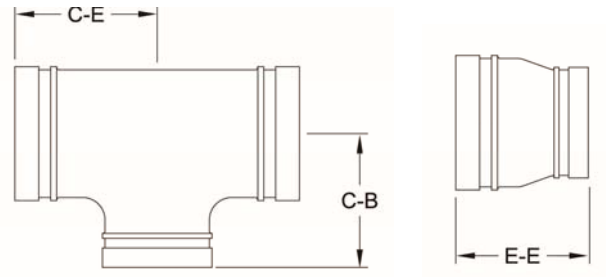
The Shurjoint Model SS-21, SS-21F and SS-50, SS-50F stainless steel fittings are investment cast in sizes to 8" and sand cast or wrought in 10" - 24". Materials are in compliance with NSF/ANSI 372 for potable water service applications. For wrought sizes 10" and higher, please refer to datasheets for models WS-21 or contact Shurjoint Customer Service.

Shurjoint stainless steel fitting pressure ratings conform to the ratings of Model 7707 coupling.

### material specification

- **Fitting Body:**
  - Type 304 Stainless steel to ASTM A351 CF8 or A743 Gr. CF8
  - Type 316 to ASTM A743 CF8M
  - Type 316L to ASTM A743 CF3M
  - Type 316Ti to ASTM A240.
  - Duplex 2205 to ASTM A890 4A
  - Super Duplex 2507 to ASTM A890 5A
  - Duplex 254SMO to ASTM A351 CK3McuN

**MODEL SS-21 REDUCING TEE  
SS-50 CONCENTRIC REDUCER**



Model SS-21 Reducing Tee, SS-50 Concentric Reducer

Nominal Pipe Size	Pipe O.D.	SS-21 Reducing Tee			Weight	SS-50 Concentric Reducer	
		C-E	C-B	E-E		Weight	
in	in	in	in	lbs	in	lbs	
mm	mm	mm	mm	kg	mm	kg	
1¼ x 1	1.660 x 1.315	2.76	2.76	1.2	2.50	0.5	
30 x 25	42.2 x 33.4	70	70	0.6	64	0.2	
1½ x 1	1.900 x 1.315	2.76	2.76	1.3	2.50	0.6	
40 x 25	48.3 x 33.4	70	70	0.6	64	0.3	
1½ x 1¼	1.900 x 1.660	2.76	2.76	1.3	2.50	0.7	
40 x 32	48.3 x 42.2	70	70	0.6	64	0.3	
2 x 1	2.375 x 1.315	2.76	2.76	1.5	2.50	0.8	
50 x 25	60.3 x 33.4	70	70	0.7	64	0.3	
2 x 1¼	2.375 x 1.660	2.76	2.76	1.8	2.50	0.7	
50 x 32	60.3 x 42.2	70	70	0.8	64	0.7	
2 x 1½	2.375 x 1.900	2.76	2.76	1.8	2.50	0.7	
50 x 40	60.3 x 48.3	70	70	0.8	64	0.3	
2½ x 1	2.875 x 1.315	3.74	3.74	2.0	2.50	0.9	
65 x 25	73.0 x 33.4	95	95	0.9	64	0.4	
2½ x 1¼	2.875 x 1.660	3.74	3.74	2.0	2.50	1.1	
65 x 32	73.0 x 42.2	95	95	0.9	64	0.5	
2½ x 1½	2.875 x 1.900	3.74	3.74	2.0	2.50	1.2	
65 x 40	73.0 x 48.3	95	95	0.9	64	0.5	
2½ x 2	2.875 x 2.375	3.00	3.00	4.1	2.50	1.1	
65 x 50	73.0 x 60.3	76	76	1.9	64	0.5	
76.1 mm x 25	3.000 x 1.315	3.74	3.74	2.0	2.50	0.9	
	76.1 x 33.4	95	95	0.9	64	0.4	
76.1 mm x 32	3.000 x 1.660	3.74	3.74	2.0	2.50	1.1	
	76.1 x 42.2	95	95	0.9	64	0.5	
76.1 mm x 40	3.000 x 1.900	3.74	3.74	2.0	2.50	1.2	
	76.1 x 48.3	95	95	0.9	64	0.5	

STAINLESS STEEL GROOVED END FITTINGS  
Rev.20220701

Model SS-21 Reducing Tee, SS-50 Concentric Reducer

Nominal Size	Pipe O.D.	SS-21 Reducing Tee		Weight	SS-50 Concentric Reducer	Weight
		C-E	C-B		E-E	
in	in	in	in	lbs	in	lbs
mm	mm	mm	mm	kg	mm	kg
76.1 mm x 50	3.000 x 2.375	3.00	3.00	3.3	2.50	1.1
	76.1 x 60.3	76	76	1.5	64	0.5
3 x 1¼	3.500 x 1.660	4.25	4.25	3.5	2.50	1.1
80 x 32	88.9 x 42.2	108	108	1.6	64	0.5
3 x 1½	3.500 x 1.900	4.25	4.25	2.9	2.50	1.5
80 x 40	88.9 x 48.3	108	108	1.3	64	0.6
3 x 2	3.500 x 2.375	4.25	4.25	4.6	2.50	1.3
80 x 50	88.9 x 60.3	108	108	2.1	64	0.6
3 x 2½	3.500 x 2.875	3.74	3.27	6.0	3.50	2.2
80 x 65	88.9 x 73.0	95	83	2.7	89	1.0
	3.500 x 3.000	3.74	3.27	4.6	3.50	2.2
80 x 76.1 mm	88.9 x 76.1	95	83	2.1	89	1.0
4 x 2	4.500 x 2.375	5.00	5.00	7.3	3.00	2.2
100 x 50	114.3 x 60.3	127	127	3.3	76	1.0
4 x 2½	4.500 x 2.875	4.49	3.86	8.8	4.00	3.1
100 x 65	114.3 x 73.0	114	98	4.0	102	1.4
	4.500 x 3.000	4.49	3.86	9.0	4.00	3.1
100 x 76.1 mm	114.3 x 76.1	114	98	4.1	102	1.4
4 x 3	4.500 x 3.500	4.49	3.86	7.0	3.00	2.0
100 x 80	114.3 x 88.9	114	98	3.2	76	0.9
139.7 x 76.1	5.563 x 3.000	5.50	5.50	11.2	3.50	3.5
125 x 65	139.7 x 76.1	140	140	5.1	89	1.6
139.7 x 80	5.563 x 3.500	5.50	5.50	11.2	3.50	3.5
125 x 80	139.7 x 88.9	140	140	5.1	89	1.6
139.7 x 100	5.500 x 4.500	5.50	5.50	11.2	3.50	3.5
125 x 100	139.7 x 114.3	140	140	5.1	89	1.6
5 x 2½	5.563 x 2.875	5.50	5.50	11.2	3.50	3.5
125 x 65	141.3 x 73.0	140	140	5.1	89	1.6
5 x 3	5.563 x 3.500	5.50	5.50	11.2	3.50	3.5
125 x 80	141.3 x 88.9	140	140	5.1	89	1.6
5 x 4	5.563 x 4.500	5.50	5.50	11.2	3.50	3.5
125 x 100	141.3 x 114.3	140	140	5.1	89	1.6
165.1 x 80	6.500 x 3.500	5.91	5.91	15.6	4.00	5.1
	165.1 x 88.9	150	150	7.1	102	2.3
165.1 x 100	6.500 x 4.500	6.50	6.50	19.4	4.00	5.1
	165.1 x 114.3	165	165	8.8	102	2.3

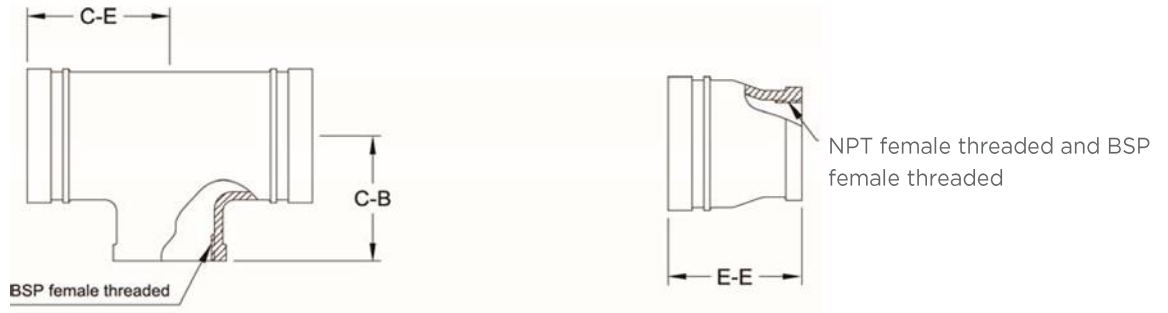
STAINLESS STEEL GROOVED END FITTINGS  
Rev.20220701

Model SS-21 Reducing Tee, SS-50 Concentric Reducer

Nominal Size	Pipe O.D.	SS-21 Reducing Tee		Weight	SS-50 Concentric Reducer	Weight
		C-E	C-B		E-E	
in	in	in	in	lbs	in	lbs
mm	mm	mm	mm	kg	mm	kg
165.1 x 139.7	6.500 x 5.500	6.50	6.50	19.4	4.00	5.7
	165.1 x 139.7	165	165	8.8	102	2.6
6 x 3	6.625 x 3.500	5.91	5.91	15.6	4.00	5.1
150 x 80	168.3 x 88.9	150	150	7.1	102	2.3
6 x 4	6.625 x 4.500	6.50	6.50	19.4	4.00	5.1
150 x 100	168.3 x 114.3	165	165	8.8	102	2.3
6 x 5	6.625 x 5.563	6.50	6.50	19.4	4.00	5.7
150 x 125	168.3 x 141.3	165	165	8.8	102	2.6
8 x 4	8.625 x 4.500	7.76	7.76	35.4	5.00	9.5
200 x 100	219.1 x 114.3	197	197	16.1	127	4.3
8 x 5	8.625 x 5.563	7.76	7.76	28.6	5.00	11.9
200 x 125	219.1 x 141.3	197	197	13.0	127	5.4
8 x 6	8.625 x 6.625	7.76	7.76	54.1	5.00	9.5
200 x 150	219.1 x 168.3	197	197	24.6	127	4.3
10 x 6	10.750 x 6.625	9.02	9.02	59.2	6.00	18.3
250 x 150	273.0 x 168.3	229	229	26.9	152	8.3
10 x 8	10.750 x 8.625	9.02	9.02	60.1	6.00	19.1
250 x 200	273.0 x 219.1	229	229	27.3	152	8.7
12 x 8	12.750 x 8.625	--	--	--	7.00	49.5
300 x 200	323.9 x 219.1	--	--	--	178	22.0
12 x 10	12.750 x 10.750	--	--	--	7.00	23.1
300 x 250	323.9 x 273.0	--	--	--	178	11.3
200 JIS x 100	8.516 x 4.500	7.76	7.76	35.4	5.00	9.5
	216.3 x 114.3	197	197	16.1	127	4.3
200 JIS x 125	8.516 x 5.500	7.76	7.76	28.6	5.00	11.9
	216.3 x 139.7	197	197	13.0	127	5.4
200 JIS x 165.1	8.516 x 6.500	7.76	7.76	54.1	5.00	9.5
	216.3 x 165.1	197	197	24.6	127	4.3
250 JIS x 165.1	10.528 x 6.500	9.02	9.02	59.2	6.00	18.3
	267.4 x 165.1	229	229	26.9	152	8.3
250 JIS x 200 JIS	10.528 x 8.516	9.02	9.02	60.1	6.00	19.1
	267.4 x 216.3	229	229	27.3	152	8.7
300 JIS x 200 JIS	12.539 x 8.516	--	--	--	7.00	49.5
	318.5 x 216.3	--	--	--	178	22.0
300 JIS x 250 JIS	12.539 x 10.528	--	--	--	7.00	23.1
	318.5 x 267.4	--	--	--	178	11.3

STAINLESS STEEL GROOVED END FITTINGS  
Rev.20220701

**MODEL SS-21F REDUCING TEE (GR x GR x FT)  
SS-50F CONCENTRIC REDUCER (GR x FT)**



Model SS-21F Reducing Tee, SS-50F Concentric Reducer

Nominal Pipe Size	Pipe O.D.	SS-21F Reducing Tee		Weight	SS-50F Concentric Reducer	
		C-E	C-B		E-E	Weight
mm	mm	mm	mm	kg	mm	kg
65 x 40F	73.0/76.1 x 48.3	76	76	0.83	---	---
65 x 50F	73.0/76.1 x 60.3	---	---	---	89	0.95
80 x 50F	88.9 x 60.3	95	83	2.1	89	0.92
100 x 50F	114.3 x 60.3	114	98	3.2	102	1.76

\*FT: NPT female threaded and BSP female threaded

General note

- *Pressure Ratings* for fittings conform to the working pressure of the coupling used to join the system.
- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Shurjoint website.
- Field Joint Test: For one time only, the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- The 10 Year Limited Warranty applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- Shurjoint reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.