

MODELS 7150 CONCENTRIC REDUCER 7151 ECCENTRIC REDUCER

Shurjoint grooved-end reducers are made of ductile iron per ASTM A536 Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15. C-E dimensions are manufacturer's standard.

For sizes larger than 14" (350 mm) are fabricated from standard weight (0.375" or 9.5 mm) carbon steel pipe to ASTM A234 GR. WPB or segmentally welded with carbon steel of the same or equivalent grade. E-E dimensions conform to ANSI B16.9.

Shurjoint standard fitting pressure ratings conform to the ratings of Model 7707 couplings.



For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, www.shurjoint.com for details or contact your **SHURJOINT** Representative.



7150 Concentric Reducer



7151 Eccentric Reducer



Full warranty terms can be found on www.shurjoint.com

Models 7150 Concentric Reducer / 7151 Eccentric Reducer

Nominal Pipe Size	Pipe O.D.	7150 Concentric Reducer		7151 Eccentric Reducer	
		E-E in / mm	Weight Lbs / Kgs	E-E in / mm	Weight Lbs / Kgs
1¼ x 1 32 x 25	1.660 x 1.315 42.2 x 33.4	2.50 64	0.4 0.2	---	---
1½ x 1 40 x 25	1.900 x 1.315 48.3 x 33.4	2.50 64	0.5 0.2	---	---
1½ x 1¼ 40 x 32	1.900 x 1.660 48.3 x 42.2	2.50 64	0.6 0.3	---	---
2 x 1 50 x 25	2.375 x 1.315 60.3 x 33.4	2.50 64	0.9 0.4	---	---
2 x 1¼ 50 x 32	2.375 x 1.660 60.3 x 42.2	2.50 64	0.7 0.3	---	---
2 x 1½ 50 x 40	2.375 x 1.900 60.3 x 48.3	2.50 64	0.8 0.4	---	---
2½ x 2 65 x 50	2.875 x 2.375 73.0 x 60.3	2.50 64	1.1 0.5	3.50 89	1.4 0.7
76.1 mm x 50	3.000 x 2.375 76.1 x 60.3	2.50 64	1.1 0.5	3.50 89	1.6 0.7
3 x 1 80 x 25	3.500 x 1.315 88.9 x 33.4	2.50 64	1.3 0.6	---	---
3 x 1¼ 80 x 32	3.500 x 1.660 88.9 x 42.2	2.50 64	1.3 0.6	---	---
3 x 1½ 80 x 40	3.500 x 1.900 88.9 x 48.3	2.50 64	1.3 0.6	---	---
3 x 2 80 x 50	3.500 x 2.375 88.9 x 60.3	2.50 64	1.3 0.6	3.50 89	2.2 1.0
3 x 2½ 80 x 65	3.500 x 2.875 88.9 x 73.0	2.50 64	1.3 0.6	3.50 89	2.2 1.0
80 x 76.1 mm	3.500 x 3.000 88.9 x 76.1	2.50 64	1.3 0.6	3.50 89	2.2 1.0
4 x 2 100 x 50	4.500 x 2.375 114.3 x 60.3	3.00 76	2.0 0.9	4.00 102	2.8 1.3
4 x 2½ 100 x 65	4.500 x 2.875 114.3 x 73.0	3.00 76	2.2 1.0	4.00 102	3.3 1.5

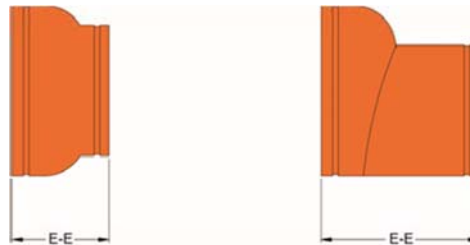
Models 7150 Concentric Reducer / 7151 Eccentric Reducer

Nominal Pipe Size	Pipe O.D.	7150 Concentric Reducer		7151 Eccentric Reducer	
		E-E	Weight	E-E	Weight
<i>in / mm</i>	<i>in / mm</i>	<i>in / mm</i>	<i>Lbs / Kgs</i>	<i>in / mm</i>	<i>Lbs / Kgs</i>
100 x 76.1 mm	4.500 x 3.000 <i>114.3 x 76.1</i>	3.00 <i>76</i>	2.3 <i>1.0</i>	4.00 <i>102</i>	3.3 <i>1.5</i>
4 x 3 <i>100 x 80</i>	4.500 x 3.500 <i>114.3 x 88.9</i>	3.00 <i>76</i>	2.2 <i>1.0</i>	4.00 <i>102</i>	2.9 <i>1.3</i>
5 x 4 <i>125 x 100</i>	5.563 x 4.500 <i>141.3 x 114.3</i>	3.50 <i>89</i>	3.6 <i>1.6</i>	4.00 <i>102</i>	6.2 <i>2.8</i>
6 x 2 <i>150 x 50</i>	6.625 x 2.375 <i>168.3 x 60.3</i>	4.00 <i>102</i>	4.2 <i>1.9</i>	4.00 <i>102</i>	4.4 <i>2.0</i>
6 x 2½ <i>150 x 65</i>	6.625 x 2.875 <i>168.3 x 73.0</i>	4.00 <i>102</i>	4.4 <i>2.0</i>	---	---
6 x 3 <i>150 x 80</i>	6.625 x 3.500 <i>168.3 x 88.9</i>	4.00 <i>102</i>	4.4 <i>2.0</i>	4.00 <i>102</i>	7.8 <i>3.5</i>
6 x 4 <i>150 x 100</i>	6.625 x 4.500 <i>168.3 x 114.3</i>	4.00 <i>102</i>	4.6 <i>2.1</i>	4.00 <i>102</i>	5.8 <i>2.7</i>
6 x 5 <i>150 x 125</i>	6.625 x 5.563 <i>168.3 x 141.3</i>	4.00 <i>102</i>	5.5 <i>2.5</i>	4.00 <i>102</i>	9.9 <i>4.5</i>
165.1 mm x 50	6.500 x 2.375 <i>165.1 x 60.3</i>	4.00 <i>102</i>	4.2 <i>1.9</i>	4.00 <i>102</i>	4.4 <i>2.0</i>
165.1 mm x 76.1 mm	6.500 x 3.000 <i>165.3 x 76.1</i>	4.00 <i>102</i>	4.2 <i>1.9</i>	---	---
165.1 mm x 80	6.500 x 3.500 <i>165.1 x 88.9</i>	4.00 <i>102</i>	4.4 <i>2.0</i>	4.00 <i>102</i>	7.7 <i>3.5</i>
165.1 mm x 100	6.500 x 4.500 <i>165.1 x 114.3</i>	4.00 <i>102</i>	4.6 <i>2.1</i>	4.00 <i>102</i>	5.8 <i>2.7</i>
165.1 mm x 139.7 mm	6.500 x 5.500 <i>165.1 x 139.7</i>	4.00 <i>102</i>	5.5 <i>2.5</i>	4.00 <i>102</i>	9.9 <i>4.5</i>
8 x 3 <i>200 x 80</i>	8.625 x 3.500 <i>219.1 x 88.9</i>	5.00 <i>127</i>	9.5 <i>4.3</i>	---	---
8 x 4 <i>200 x 100</i>	8.625 x 4.500 <i>219.1 x 114.3</i>	5.00 <i>127</i>	11.2 <i>5.1</i>	5.00 <i>127</i>	14.6 <i>6.6</i>
8 x 6 <i>200 x 150</i>	8.625 x 6.625 <i>219.1 x 168.3</i>	5.00 <i>127</i>	11.4 <i>5.2</i>	5.00 <i>127</i>	12.0 <i>5.5</i>
10 x 4 <i>250 x 100</i>	10.750 x 4.500 <i>273.0 x 114.3</i>	6.00 <i>152</i>	19.8 <i>9.0</i>	6.00 <i>152</i>	26.4 <i>12.0</i>
10 x 6 <i>250 x 150</i>	10.750 x 6.625 <i>273.0 x 168.3</i>	6.00 <i>152</i>	19.8 <i>9.0</i>	6.00 <i>152</i>	25.3 <i>11.5</i>
10 x 8 <i>250 x 200</i>	10.750 x 8.625 <i>273.0 x 219.1</i>	6.00 <i>152</i>	20.9 <i>9.5</i>	7.00 <i>178</i>	26.8 <i>12.2</i>
12 x 6 <i>300x150</i>	12.750 x 6.625 <i>323.9 x 168.3</i>	7.00 <i>178</i>	30.9 <i>14.0</i>	7.00 <i>178</i>	39.7 <i>18.0</i>
12 x 8 <i>300 x 200</i>	12.750 x 8.625 <i>323.9 x 219.1</i>	7.00 <i>178</i>	30.9 <i>14.0</i>	7.00 <i>178</i>	40.8 <i>18.5</i>
12 x 10 <i>300 x 250</i>	12.750 x 10.750 <i>323.9 x 273.0</i>	7.00 <i>178</i>	30.1 <i>13.7</i>	7.00 <i>178</i>	44.1 <i>20.0</i>

MODELS W150 WROUGHT CONCENTRIC REDUCER W151 WROUGHT ECCENTRIC REDUCER

Material: ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade

E-E dimensions: conform to ANSI B16.9.



W150

W151

Models W150 Wrought Concentric Reducer / W151 Wrought Eccentric Reducer

Nominal Size		W150 Concentric Reducer		W151 Eccentric Reducer	
	Pipe O.D.	E-E	Weight	E-E	Weight
<i>in / mm</i>	<i>in / mm</i>	<i>in / mm</i>	<i>in / mm</i>	<i>in / mm</i>	<i>Lbs / Kgs</i>
14 x 6	14.000 x 6.625	13.00	67.8	13.00	67.8
350 x 150	355.6 x 168.3	330.0	30.8	330.0	30.8
14 x 8	14.000 x 8.625	13.00	43.5	13.00	70.0
350 x 200	355.6 x 219.1	330.0	19.7	330.0	31.8
14 x 10	14.000 x 10.750	13.00	71.9	13.00	71.9
350 x 250	355.6 x 273.0	330.0	32.7	330.0	32.7
14 x 12	14.000 x 12.750	13.00	73.9	13.00	73.9
350 x 300	355.6 x 323.9	330.0	33.6	330.0	33.6
16 x 8	16.000 x 8.625	14.00	87.8	14.00	87.8
400 x 200	406.4 x 219.1	356.0	39.9	356.0	39.9
16 x 10	16.000 x 10.750	14.00	60.6	14.00	90.9
400 x 250	406.4 x 273.0	356.0	27.5	356.0	41.3
16 x 12	16.000 x 12.750	14.00	92.8	14.00	92.8
400 x 300	406.4 x 323.9	356.0	42.2	356.0	42.2
16 x 14	16.000 x 14.000	14.00	94.8	14.00	94.8
400 x 350	406.4 x 355.6	356.0	43.1	356.0	43.1
18 x 10	18.000 x 10.750	15.00	111.8	15.00	111.8
450 x 250	457.2 x 273.0	381.0	50.8	381.0	50.8
18 x 12	18.000 x 12.750	15.00	114.8	15.00	114.8
450 x 300	457.2 x 323.9	381.0	52.2	381.0	52.2
18 x 14	18.000 x 14.000	15.00	117.7	15.00	117.7
450 x 350	457.2 x 355.6	381.0	53.5	381.0	53.5
18 x 16	18.000 x 16.000	15.00	79.4	15.00	120.8
450 x 400	457.2 x 406.4	381.0	36.0	381.0	54.9
20 x 12	20.000 x 12.750	20.00	159.7	20.00	159.7
500 x 300	508.0 x 323.9	508.0	72.6	508.0	72.6
20 x 14	20.000 x 14.000	20.00	163.7	20.00	163.7
500 x 350	508.0 x 355.6	508.0	74.4	508.0	74.4
20 x 16	20.000 x 16.000	20.00	167.6	20.00	167.6
500 x 400	508.0 x 406.4	508.0	76.2	508.0	76.2
20 x 18	20.000 x 18.000	20.00	171.6	20.00	171.6
500 x 450	508.0 x 457.2	508.0	78.0	508.0	78.0
24 x 16	24.000 x 16.000	20.00	197.6	20.00	197.6
600 x 400	609.6 x 406.4	508.0	89.8	508.0	89.8
24 x 18	24.000 x 18.000	20.00	199.5	20.00	199.5
600 x 450	609.6 x 457.2	508.0	90.7	508.0	90.7
24 x 20	24.000 x 20.000	20.00	203.5	20.00	203.5
600 x 500	609.6 x 508.0	508.0	92.5	508.0	92.5

MATERIAL SPECIFICATIONS

• Fitting body:

Ductile Iron castings to ASTM A536, Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15, Min. tensile strength 65,000 psi (448 MPa).

Wrought fittings to ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.

• Surface Finish:

Orange color painted or red RAL3000 color painted.

- ☐ Hotdip galvanized (Option)
- ☐ Epoxy coated in red RAL3000 or other colors (Option)

General Notes:

- **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.

*Shurjoint product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.*