

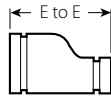
# Grooved End Fittings

## Concentric/Eccentric Reducer

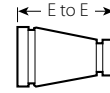
**NO. 50** Concentric  
**NO. 51** Eccentric



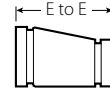
NO. 50



NO. 51



Fabricated Steel  
No.50



Fabricated Steel  
No.51

Size	No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
	Nominal Size Inches mm	E to E Inches mm	Approx. Weight Each Lbs. kg	Approx. Weight Each Lbs. kg
1 1/4 x 3/4	32 x 20	+	1.9 0.9	—
	1 x 25	+	1.9 0.9	—
1 1/2 x 1	40 x 20	+	1.4 0.6	—
	1 x 25	2.50 64	0.8 0.4	8.50sw 216
	1 1/4 x 32	2.50 64	1.0 0.5	—
2 x 1 1/4	50 x 20	2.50 64	0.9 0.3	9.00sw 229
	1 x 25	2.50 64	0.7 0.3	9.00sw 229
	1 1/4 x 32	2.50 64	1.2 0.5	9.00sw 229
	1 1/2 x 40	3.50 89	1.0 0.5	3.50 89
2 1/2 x 1 1/2	65 x 20	+	1.3 0.6	+
	1 x 25	2.50 64	1.1 0.5	9.50 241
	1 1/4 x 32	3.50 89	3.3 1.5	3.50 89
	1 1/2 x 40	2.50 64	3.6 1.6	9.50sw 241
	2 x 50	2.50 64	3.9 1.8	3.50 89
3 x 2 1/2	80 x 20	+	1.5 0.7	+
	1 x 25	2.50 241	1.3 0.6	9.50sw 241
	1 1/4 x 32	2.50 64	1.4 0.6	+
	1 1/2 x 40	2.50 64	5.1 2.3	9.50sw 241
	2 x 50	2.50 64	1.6 0.7	3.50 89
	2 1/2 x 65	2.50 64	1.8 0.8	3.50 89
	76.1	2.50 64	2.1 1.0	—

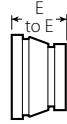
Size	No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
	Nominal Size Inches mm	E to E Inches mm	Approx. Weight Each Lbs. kg	Approx. Weight Each Lbs. kg
3 1/2 x 2	90 x 80	2.50 64	2.0 0.9	9.50sw 241
	4 x 100	3.00 76	3.0 1.4	13.00sw 330
4 x 2 1/2	1 x 25	+	4.6 2.1	—
	1 1/2 x 40	3.00sw 76	2.6 1.2	10.00sw 254
	2 x 50	3.00 76	2.4 1.1	4.00 102
	2 1/2 x 65	3.00 76	2.7 1.2	4.00 102
	3 x 80	3.00 76	3.2 1.4	4.00 102
	3 1/2 x 90	3.00 76	2.9 1.3	10.00sw 254
	5 x 2	125 x 50	11.00sw 279	9.0 4.1
5 x 2 1/2	2 1/2 x 65	4.00 102	4.3 2.0	11.00sw 279
	3 x 80	4.00 102	5.5 2.5	11.00sw 279
	4 x 100	3.50 89	4.3 1.9	5.00 127
	6 x 1	150 x 25	4.00 102	5.0 2.3
6 x 1 1/2	1 1/2 x 40	+	5.5 2.5	+
	2 x 50	4.00 102	6.6 3.0	11.50sw 292
	2 1/2 x 65	4.00 102	6.4 2.9	11.50sw 292
	3 x 80	4.00 102	6.4 2.9	5.50 140
	4 x 100	4.00 102	6.5 2.9	5.50 140
	5 x 125	4.00 102	6.4 2.9	5.50 140
	8 x 2 1/2	200 x 65	16.00 406	7.9 3.6
8 x 3	3 x 80	5.00 127	9.3 4.2	12.00sw 305

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".  
S= Carbon Steel Direct Roll Groove (OGS)  
SW= Carbon Steel Segmentally Welded

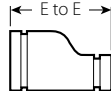
# Grooved End Fittings

## Concentric/Eccentric Reducer

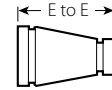
**NO. 50** Concentric  
**NO. 51** Eccentric



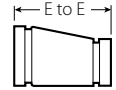
NO. 50



NO. 51



Fabricated Steel  
No.50



Fabricated Steel  
No.51

Size	No. 50 Concentric Reducer		No. 51 Eccentric Reducer			
	Nominal Size Inches mm	E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg	
8 200	4 100	5.00 127	10.4 4.8	12.00sw 305	23.0 10.4	
		5 125	5.00 127	11.6 5.2	12.00sw 305	23.0 10.4
		6 150	5.00 127	11.9 5.4	6.00 152	24.0 10.9
10 250	4 100	6.00 152	19.7 8.9	13.00sw 330	32.0 14.5	
		5 125	+	34.3 15.6	+	34.6 15.7
		6 150	6.00 152	20.0 9.1	13.00sw 330	36.9 16.7
		8 200	6.00 152	22.0 10.0	7.00 178	21.6 9.8
12 300	4 100	+	44.0 20.0	14.00sw 356	48.0 21.8	
		6 150	7.00 178	24.6 11.2	14.00sw 356	50.0 22.7
		8 200	7.00 178	52.0 23.6	14.00sw 356	53.5 24.3
		10 250	7.00 178	39.0 17.7	14.00sw 356	57.0 25.9
# 14 350	6 150	13.00 330	65.0 29.5	13.00 330	60.0 27.2	
		8 200	13.00 330	65.0 29.5	13.00 330	60.0 27.2
		10 250	13.00 330	66.0 29.9	13.00 330	65.0 29.5
		12 300	13.00 330	68.0 30.8	13.00 330	66.0 29.9
# 16 400	8 200	14.00 356	73.0 33.1	14.00 355	73.0 33.1	
		10 § 250	14.00 356	73.0 33.1	14.00 355	73.0 33.1
		12 300	14.00 356	73.0 33.1	14.00 355	73.0 33.1
		14 350	14.00 356	73.0 33.1	14.00 355	73.0 33.1
# 18 450	10 250	15.00 381	91.0 41.3	15.00 381	91.0 41.3	

Size	No. 50 Concentric Reducer		No. 51 Eccentric Reducer			
	Nominal Size Inches mm	E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg	
# 18 450	12 300	15.00 381	91.0 41.3	15.00 381	91.0 41.3	
		14 350	15.00 381	91.0 41.3	15.00 381	91.0 41.3
		16 400	15.00 381	91.0 41.3	15.00 381	91.0 41.3
# 20 500	10 250	20.00 508	110.0 49.9	20.00 508	177.0 80.3	
		12 300	20.00 508	120.0 54.4	20.00 508	120.0 54.4
		14 350	20.00 508	149.0 67.9	20.00 508	149.0 67.9
		16 400	20.00 508	120.0 54.4	20.00 508	120.0 54.4
		18 450	20.00 508	136.0 61.7	20.00 508	136.0 61.7
# 24 600	10 250	20.00 508	142.0 64.4	20.00 508	142.0 64.4	
		12 300	20.00 508	150.0 68.0	20.00 508	150.0 68.0
		14 350	20.00 508	162.0 73.5	20.00 508	162.0 73.5
		16 400	20.00 508	162.0 73.5	20.00 508	162.0 73.5
		18 450	20.00 508	162.0 73.5	20.00 508	162.0 73.5
		20 500	20.00 508	151.0 68.5	20.00 508	190.0 86.2
14 - 24 350 - 600	<b>AGS</b> For AGS fitting information, see publication 20.05					

+ Contact Victaulic for details.

\* Available with male threaded small end No. 52.

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".

S= Carbon Steel Direct Roll Groove (OGS)

SW= Carbon Steel Segmentally Welded

**IMPORTANT NOTE:**

Steel eccentric reducers available through 30"/750mm, contact Victaulic for dimensions.

# For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

§ Cast fitting available for JIS size. Contact Victaulic for details.