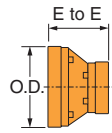
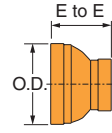


FIG. 7072

Gr x Gr Concentric Reducer



Cast



Fabricated

FIGURE 7072 CONCENTRIC REDUCER

Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	Lbs/Kg	In./DN(mm)	In./mm	Lbs/Kg	In./DN(mm)	In./mm	Lbs/Kg	In./DN(mm)	In./mm	Lbs/Kg
1¼ x 1 32 x 25	2½ 64	0.6 0.3	4 x 1½ 100 x 40	3 76	2.3 1.0	8 x 5 200 x 125	5 127	11.5 5.2	18 x 10 450 x 250	15 381	82.3 37.3
1½ x 1 40 x 25	2½ 64	0.6 0.3	4 x 2 100 x 50	3 C 76	2.4 1.1	8 x 6 200 x 150	5 C 127	10.6 4.8	18 x 12 450 x 300	15 381	83.6 37.9
1½ x 1¼ 40 x 32	2½ 64	0.6 0.3	4 x 2½ 100 x 65	3 C 76	2.6 1.2	10 x 4 250 x 100	6 152	20 9.1	18 x 14 450 x 350	15 381	86.2 39.1
2 x 1 50 x 25	2½ 64	0.8 0.4	4 x 3 100 x 80	3 C 76	3.2 1.5	10 x 5 250 x 125	6 152	20 9.1	18 x 16 450 x 400	15 381	87.2 39.6
2 x 1¼ 50 x 32	2½ C 64	1.3 0.6	4 x 3½ 100 x 90	3 76	3.6 1.6	10 x 6 250 x 150	6 C 152	20 9.1	20 x 10 500 x 250	20 508	123.0 55.8
2 x 1½ 50 x 40	2½ C 64	1.3 0.6	5 x 2 125 x 50	3½ 89	4.6 2.1	10 x 8 250 x 200	6 152	23.9 10.8	20 x 12 500 x 300	20 508	125.0 56.7
2½ x 1 65 x 25	2½ 64	1.0 0.5	5 x 2½ 125 x 65	3½ 89	4.5 2.0	12 x 4 300 x 100	7 178	25 11.3	20 x 14 500 x 350	20 508	129.0 58.5
2½ x 1¼ 65 x 32	2½ 64	1.0 0.5	5 x 3 125 x 80	3½ 89	4.4 2.0	12 x 6 300 x 150	7 178	29 13.2	20 x 16 500 x 400	20 508	131.0 59.4
2½ x 1½ 65 x 40	2½ 64	1.3 0.6	5 x 4 125 x 100	3½ C 89	4.5 2.0	12 x 8 300 x 200	7 178	29 13.2	20 x 18 500 x 450	20 508	133.0 60.3
2½ x 2 65 x 50	2½ C 64	1.6 0.7	6 x 1 150 x 25	4 102	6.8 3.1	12 x 10 300 x 250	7 178	32.4 14.7	24 x 10 600 x 250	20 508	147.0 66.7
3 x 1 80 x 25	2½ 64	1.2 0.5	6 x 1½ 150 x 40	4 102	6.9 3.1	14 x 6 350 x 150	13 330	54.3 24.6	24 x 12 600 x 300	20 508	149.0 67.6
3 x 1¼ 80 x 32	2½ 64	1.3 0.6	6 x 2 150 x 50	4 C 102	6.0 2.7	14 x 8 350 x 200	13 330	54.5 24.7	24 x 14 600 x 350	20 508	152.0 68.9
3 x 1½ 80 x 40	2½ 64	1.3 0.6	6 x 2½ 150 x 65	4 102	6.0 2.7	14 x 10 350 x 250	13 330	55.7 25.3	24 x 16 600 x 400	20 508	153.0 69.4
3 x 2 80 x 50	2½ C 64	1.4 0.6	6 x 3 150 x 80	4 C 102	5.4 2.4	14 x 12 350 x 300	13 330	57.3 26.0	24 x 18 600 x 450	20 508	154.0 69.9
3 x 2½ 80 x 65	2½ C 64	1.5 0.7	6 x 4 150 x 100	4 C 102	5.6 2.5	16 x 8 400 x 200	14 356	65.4 29.7	24 x 20 600 x 500	20 508	155.0 70.3
3½ x 3 90 x 80	3 76	1.8 0.8	6 x 5 150 x 125	4 C 102	6.0 2.7	16 x 10 400 x 250	14 356	66.7 30.3			
4 x 1 100 x 25	3 76	2.2 1.0	8 x 3 200 x 80	5 127	12.0 5.5	16 x 12 400 x 300	14 356	68.1 30.9			
4 x 1¼ 100 x 32	3 76	2.2 1.0	8 x 4 200 x 100	5 C 127	9.0 4.1	16 x 14 400 x 350	14 356	71.0 32.2			

C - Cast ductile iron, all others are fabricated steel.



For Listings/Approval Details and Limitations, visit our website at www.anvilintl.com or contact an Anvil® Sales Representative.

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

Gruvlok fittings are available through 24" nominal pipe size in a variety of styles. Use the Fitting Size Table to convert nominal pipe size to corresponding pipe O.D.

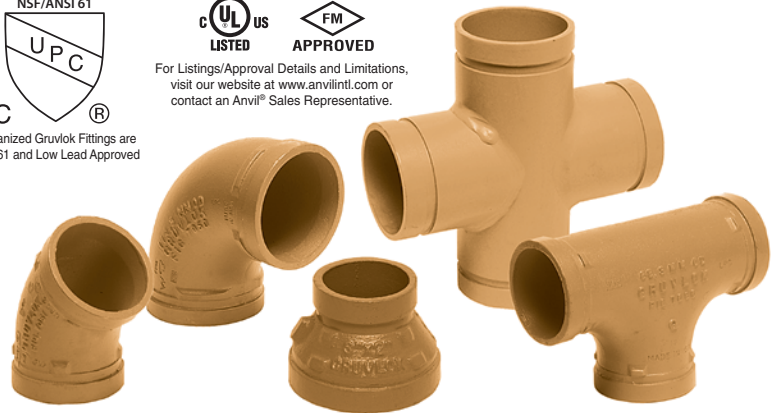
These fittings are designed to provide minimum pressure drop and uniform strength.

Depending on styles and size, Gruvlok fittings are provided in various materials including ductile iron, forged steel or fabricated steel.

Pressure ratings of Gruvlok standard fittings conform to those of Fig. 7001 Gruvlok coupling.



Galvanized Gruvlok Fittings are NSF-61 and Low Lead Approved



FLOW DATA – FRICTIONAL RESISTANCE (EXPRESSED AS EQUIVALENT STRAIGHT PIPE)

Nom. Size	O.D.	Pipe Wall Thickness	Elbow		Tee	
			90°	45°	Branch	Run
In./DN(mm)	In./mm	In./mm	Ft./m	Ft./m	Ft./m	Ft./m
1	1.315	0.133	1.7	0.9	4.4	1.7
25	33.4	3.4	0.5	0.3	1.3	0.5
1¼	1.660	0.140	2.3	1.2	5.8	2.3
32	42.2	3.6	0.7	0.4	1.8	0.7
1½	1.900	0.145	2.7	1.3	6.7	2.7
40	48.3	3.7	0.8	0.4	2.0	0.8
2	2.375	0.154	3.4	1.7	8.6	3.4
50	60.3	3.9	1.0	0.5	2.6	1.0
2½	2.875	0.203	4.1	2.1	10.3	4.1
65	73.0	5.2	1.2	0.6	3.1	1.2
3 O.D.	2.996	0.197	4.3	2.2	10.8	4.3
76.1	76.1	5.0	1.3	0.7	3.3	1.3
3	3.500	0.216	5.1	2.6	12.8	5.1
80	88.9	5.5	1.6	0.8	3.9	1.6
4¼ O.D.	4.250	0.220	6.4	3.2	16.1	6.4
108.0	108.0	5.6	2.0	1.0	4.9	2.0
4	4.500	0.237	6.7	3.4	16.8	6.7
100	114.3	6.0	2.0	1.0	5.1	2.0
5¼ O.D.	5.236	0.248	8.0	4.0	20.1	8.0
133.0	133.0	6.3	2.4	1.2	6.1	2.4
5½ O.D.	5.500	0.248	8.3	4.2	20.9	8.3
139.7	139.7	6.3	2.5	1.3	6.4	2.5
5	5.563	0.258	8.4	4.2	21.0	8.4
125	141.3	6.6	2.6	1.3	6.4	2.6
6¼ O.D.	6.259	0.280	9.7	4.9	24.3	9.7
159.0	159.0	7.1	3.0	1.5	7.4	3.0
6½ O.D.	6.500	0.280	10.0	5.0	24.9	10.0
165.1	165.1	7.1	3.0	1.5	7.6	3.0
6	6.625	0.280	10.1	5.1	25.3	10.1
150	168.3	7.1	3.1	1.6	7.7	3.1
8	8.625	0.322	13.3	6.7	33.3	13.3
200	219.1	8.2	4.1	2.0	10.1	4.1
10	10.750	0.365	16.7	8.4	41.8	16.7
250	273.1	9.3	5.1	2.6	12.7	5.1
12	12.750	0.375	20.0	10.0	50.0	20.0
300	323.9	9.5	6.1	3.0	15.2	6.1
14	14.000	0.375	22.2	11.7	64.2	22.9
350	355.6	9.5	6.8	3.4	19.6	7.0
16	16.000	0.375	25.5	12.4	73.9	26.4
400	406.4	9.5	7.8	4.0	22.5	8.0
18	18.000	0.375	28.9	14.1	87.2	31.1
450	457.2	9.5	8.8	4.5	26.6	9.5
20	20.000	0.375	32.2	16.1	97.3	34.8
500	508.0	9.5	9.8	5.0	29.7	10.6
24	24.000	0.375	38.9	19.5	113.0	40.4
600	609.6	9.5	11.9	6.0	34.4	12.3

For the reducing tee and branches, use the value that is corresponding to the branch size. For example: for 6" x 6" x 3" tee, the branch value of 3" is 12.8 ft (3.9).

MATERIAL SPECIFICATIONS

CAST FITTINGS:

Ductile iron conforming to ASTM A 536, Grade 65-45-12
Malleable iron conforming to ASTM A 47

FABRICATED FITTINGS:

1-12" Carbon steel, Schedule 40, conforming to ASTM A 53, Grade B
14-24" Carbon steel, 0.375 wall, conforming to ASTM A 53, Grade B

COATINGS:

Rust inhibiting paint – Color: ORANGE (standard)
Hot Dipped Zinc Galvanized conforming to ASTM A 153 (optional)
Other Colors Available (IE: RAL3000 and RAL9000)

FITTING SIZE			
Nominal Size	O.D.	Nominal Size	O.D.
In./DN(mm)	In./mm	In./DN(mm)	In./mm
1	1.315	5	5.563
25	33.4	140	141.3
1¼	1.660	6¼ O.D.	6.259
32	42.4	159.0	159.0
1½	1.900	6½ O.D.	6.500
40	48.3	165.1	165.1
2	2.375	6	6.625
50	60.3	150	168.3
2½	2.875	8	8.625
65	73.0	200	219.1
3 O.D.	2.996	10	10.750
76.1	76.1	250	273.0
3	3.500	12	12.750
80	88.9	300	323.9
3½	4.000	14	14.000
90	101.6	350	355.6
4¼ O.D.	4.250	16	16.000
108.0	108.0	400	406.4
4	4.500	18	18.000
100	114.3	450	457.2
5¼ O.D.	5.236	20	20.000
133.0	133.0	500	508.0
5½ O.D.	5.500	24	24.000
139.7	139.7	600	609.6

The Fitting Size Chart is used to determine the O.D. of the pipe that the fittings is to be used with. Gruvlok Fittings are identified by either the Nominal size in inches or the Pipe O.D. in/mm.