

FIG. 7060

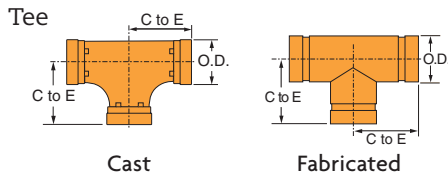


FIG. 7076

Gr x Thd Concentric Reducers

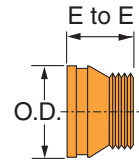


FIGURE 7060 TEE			
Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
1 25	1.315 33.4	2¼ C 57	0.9 0.4
1¼ 32	1.660 42.2	2¾ C 70	1.5 0.7
1½ 40	1.900 48.3	2¾ C 70	1.8 0.8
2 50	2.375 60.3	3¼ C 83	2.4 1.1
2½ 65	2.875 73.0	3¾ C 95	4.0 1.8
3 O.D. 76.1	2.996 76.1	4 C 101	4.6 2.1
3 80	3.500 88.9	4¼ C 108	5.8 2.6
3½ 90	4.000 101.6	4½ C 114	9.8 4.4
4¼ O.D. 108.0	4.250 108.0	4¾ C 121	9.3 4.2
4 100	4.500 114.3	5 C 127	10.3 4.7
5¼ O.D. 133.0	5.236 133.0	5¼ C 133	14.1 6.4
5½ O.D. 139.7	5.500 139.7	5½ C 140	16.1 7.3
5 125	5.563 141.3	5½ C 140	16.2 7.3
6¼ O.D. 159.0	6.259 159.0	6 C 152	20.8 9.4
6½ O.D. 165.1	6.500 165.1	6½ C 165	24.4 11.1
6 150	6.625 168.3	6½ C 165	25.7 11.7
8 200	8.625 219.1	7¾ C 197	41.1 18.6
10 250	10.750 273.1	9 C 229	74.5 33.8
12 300	12.750 323.9	10 C 254	94.7 43.0
14 350	14.000 355.6	11 279	118.0 53.5
16 400	16.000 406.4	12 305	146.0 66.2
18 450	18.000 457.2	15½ 394	218.0 98.9
20 500	20.000 508.0	17¼ 438	275.0 125
24 600	24.000 609.6	20 508	379.0 172

FIGURE 7076 CONCENTRIC REDUCER- GROOVE BY THREAD					
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
1½ x 1 40 x 25	2½ 64	0.6 0.3	3 x 2½ 80 x 65	2½ 64	1.5 0.7
2 x ¾ 50 x 80	2½ 64	1.0 0.5	4 x 1 100 x 25	3 76	2.2 1.0
2 x 1 50 x 25	2½ 64	0.8 0.4	4 x 1¼ 100 x 32	3 76	2.3 1.0
2 x 1¼ 50 x 32	2½ 64	1.3 0.6	4 x 1½ 100 x 40	3 76	2.3 1.0
2 x 1½ 50 x 40	2½ 64	1.3 0.6	4 x 2 100 x 50	3 76	2.3 1.0
2½ x 1 65 x 25	2½ 64	1.0 0.5	4 x 2½ 100 x 65	3 76	2.3 1.0
2½ x 1¼ 65 x 32	2½ 64	1.0 0.5	4 x 3 100 x 80	3 76	2.6 1.2
2½ x 1½ 65 x 40	2½ 64	1.3 0.6	5 x 4 125 x 100	3½ 89	4.5 2.0
2½ x 2 65 x 50	2½ 64	1.2 0.5	6 x 1 150 x 25	4 102	6.0 2.7
3 x ¾ 80 x 80	2½ 64	1.2 0.5	6 x 1¼ 150 x 32	4 102	6.0 2.7
3 x 1 80 x 25	2½ 64	1.2 0.5	6 x 1½ 150 x 40	4 102	6.0 2.7
3 x 1¼ 80 x 32	2½ 64	1.3 0.6	6 x 2 150 x 50	4 102	6.0 2.7
3 x 1½ 80 x 40	2½ 64	1.3 0.6	6 x 3 150 x 80	4 102	6.0 2.7
3 x 2 80 x 50	2½ 64	1.3 0.6	6 x 4 150 x 100	4 102	5.9 2.7

All are Fabricated Steel.
See Fitting Size chart on next page for O.D.

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



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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.



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	19.4	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.