

FIG. 7060

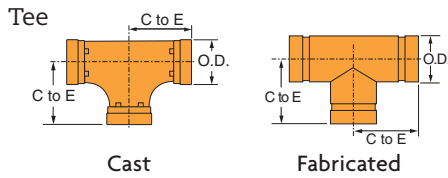


FIG. 7076

Gr x Thd Concentric Reducers

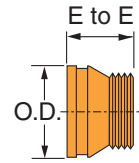


FIGURE 7060 TEE			
Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
1 25	1.315 33.4	2¼ C 57	0.9 0.4
1¼ 32	1.660 42.2	2¾ C 70	1.5 0.7
1½ 40	1.900 48.3	2¾ C 70	1.8 0.8
2 50	2.375 60.3	3¼ C 83	2.4 1.1
2½ 65	2.875 73.0	3¾ C 95	4.0 1.8
3 O.D. 76.1	2.996 76.1	4 C 101	4.6 2.1
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.



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.

Not for use in copper systems.



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 25	1.315 33.4	0.133 3.4	1.7 0.5	0.9 0.3	4.4 1.3	1.7 0.5
1¼ 32	1.660 42.2	0.140 3.6	2.3 0.7	1.2 0.4	5.8 1.8	2.3 0.7
1½ 40	1.900 48.3	0.145 3.7	2.7 0.8	1.3 0.4	6.7 2.0	2.7 0.8
2 50	2.375 60.3	0.154 3.9	3.4 1.0	1.7 0.5	8.6 2.6	3.4 1.0
2½ 65	2.875 73.0	0.203 5.2	4.1 1.2	2.1 0.6	10.3 3.1	4.1 1.2
3 O.D. 76.1	2.996 76.1	0.197 5.0	4.3 1.3	2.2 0.7	10.8 3.3	4.3 1.3
3 80	3.500 88.9	0.216 5.5	5.1 1.6	2.6 0.8	12.8 3.9	5.1 1.6
4¼ O.D. 108.0	4.250 108.0	0.220 5.6	6.4 2.0	3.2 1.0	16.1 4.9	6.4 2.0
4 100	4.500 114.3	0.237 6.0	6.7 2.0	3.4 1.0	16.8 5.1	6.7 2.0
5¼ O.D. 133.0	5.236 133.0	0.248 6.3	8.0 2.4	4.0 1.2	20.1 6.1	8.0 2.4
5½ O.D. 139.7	5.500 139.7	0.248 6.3	8.3 2.5	4.2 1.3	20.9 6.4	8.3 2.5
5 125	5.563 141.3	0.258 6.6	8.4 2.6	4.2 1.3	21.0 6.4	8.4 2.6
6¼ O.D. 159.0	6.259 159.0	0.280 7.1	9.7 3.0	4.9 1.5	24.3 7.4	9.7 3.0
6½ O.D. 165.1	6.500 165.1	0.280 7.1	10.0 3.0	5.0 1.5	24.9 7.6	10.0 3.0
6 150	6.625 168.3	0.280 7.1	10.1 3.1	5.1 1.6	25.3 7.7	10.1 3.1
8 200	8.625 219.1	0.322 8.2	13.3 4.1	6.7 2.0	33.3 10.1	13.3 4.1
10 250	10.750 273.1	0.365 9.3	16.7 5.1	8.4 2.6	41.8 12.7	16.7 5.1
12 300	12.750 323.9	0.375 9.5	20.0 6.1	10.0 3.0	50.0 15.2	20.0 6.1
14 350	14.000 355.6	0.375 9.5	22.2 6.8	17.7 5.4	64.2 19.6	22.9 7.0
16 400	16.000 406.4	0.375 9.5	25.5 7.8	20.4 6.2	73.9 22.5	26.4 8.0
18 450	18.000 457.2	0.375 9.5	28.9 8.8	23.1 7.0	87.2 26.6	31.1 9.5
20 500	20.000 508.0	0.375 9.5	32.2 9.8	25.7 7.8	97.3 29.7	34.8 10.6
24 600	24.000 609.6	0.375 9.5	38.9 11.9	31.1 9.5	113.0 34.4	40.4 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 25	1.315 33.4	5 140	5.563 141.3
1¼ 32	1.660 42.4	6¼ O.D. 159.0	6.259 159.0
1½ 40	1.900 48.3	6½ O.D. 165.1	6.500 165.1
2 50	2.375 60.3	6 150	6.625 168.3
2½ 65	2.875 73.0	8 200	8.625 219.1
3 O.D. 76.1	2.996 76.1	10 250	10.750 273.0
3 80	3.500 88.9	12 300	12.750 323.9
3½ 90	4.000 101.6	14 350	14.000 355.6
4¼ O.D. 108.0	4.250 108.0	16 400	16.000 406.4
4 100	4.500 114.3	18 450	18.000 457.2
5¼ O.D. 133.0	5.236 133.0	20 500	20.000 508.0
5½ O.D. 139.7	5.500 139.7	24 600	24.000 609.6

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.