

FIG. 7060

Tee

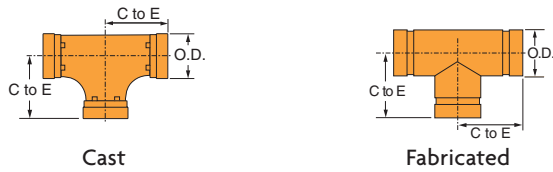


FIGURE 7060 TEE			
Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
1	1.315	2¼ C	0.9
25	33.4	57	0.4
1¼	1.660	2¾ C	1.5
32	42.2	70	0.7
1½	1.900	2¾ C	1.8
40	48.3	70	0.8
2	2.375	3¼ C	2.4
50	60.3	83	1.1
2½	2.875	3¾ C	4.0
65	73.0	95	1.8
3 O.D.	2.996	4 C	4.6
76.1	76.1	101	2.1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

C - Cast ductile iron, all others are fabricated steel.
See Fitting Size chart on page 59 for O.D.



FIG. 7076

Gr x Thd

Concentric Reducers

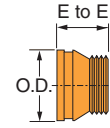


FIGURE 7076 CONCENTRIC REDUCER— GROOVE BY THREAD					
Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	Lbs./Kg	In./DN(mm)	In./mm	Lbs./Kg
1½ x 1	2½	0.6	3½ x 3	3	1.8
40 x 25	64	0.3	90 x 80	76	0.8
2 x ¾	2½	1.0	4 x 1	3	2.2
50 x 80	64	0.5	100 x 25	76	1.0
2 x 1	2½	0.8	4 x 1½	3	2.3
50 x 25	64	0.4	100 x 40	76	1.0
2 x 1¼	2½	1.3	4 x 2	3	2.3
50 x 32	64	0.6	100 x 50	76	1.0
2 x 1½	2½	1.3	4 x 2½	3	2.3
50 x 40	64	0.6	100 x 65	76	1.0
2½ x 1	2½	1.0	4 x 3	3	2.6
65 x 25	64	0.5	100 x 80	76	1.2
2½ x 1¼	2½	1.0	4 x 3½	3	2.5
65 x 32	64	0.5	100 x 90	76	1.1
2½ x 1½	2½	1.3	5 x 4	3½	4.5
65 x 40	64	0.6	125 x 100	89	2.0
2½ x 2	2½	1.2	6 x 1	4	6.0
65 x 50	64	0.5	150 x 25	102	2.7
3 x ¾	2½	1.2	6 x 2	4	6.0
80 x 80	64	0.5	150 x 50	102	2.7
3 x 1	2½	1.2	6 x 3	4	6.0
80 x 25	64	0.5	150 x 80	102	2.7
3 x 1½	2½	1.3	6 x 4	4	5.9
80 x 40	64	0.6	150 x 100	102	2.7
3 x 2	2½	1.3	6 x 5	4	5.8
80 x 50	64	0.6	150 x 125	102	2.6
3 x 2½	2½	1.5			
80 x 65	64	0.7			

All are Fabricated Steel.
See Fitting Size chart on page 59 for O.D.

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	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	11.1	55.0	22.2
350	355.6	9.5	6.8	3.4	16.6	6.8
16	16.000	0.375	25.5	12.8	63.0	25.5
400	406.4	9.5	7.8	3.9	22.5	7.8
18	18.000	0.375	28.9	14.5	70.0	28.9
450	457.2	9.5	8.8	4.4	26.6	8.8
20	20.000	0.375	32.2	16.1	78.0	32.2
500	508.0	9.5	9.8	4.9	29.7	9.8
24	24.000	0.375	38.9	19.5	93.0	38.9
600	609.6	9.5	11.9	5.9	34.4	11.9

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:

1-6" Carbon steel, Schedule 40, conforming to ASTM A 53, Grade B
8-12" Carbon steel, Schedule 30, 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.