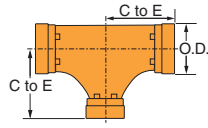
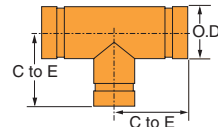


FIG. 7061

Reducing Tee Standard



Cast



Fabricated

FIGURE 7061 STANDARD REDUCING TEE

Nominal Size	Center to End	Approx. Wt. Ea.	Nominal Size	Center to End	Approx. Wt. Ea.	Nominal Size	Center to End	Approx. Wt. Ea.
<i>In./DN(mm)</i>	<i>In./mm</i>	<i>Lbs./Kg</i>	<i>In./DN(mm)</i>	<i>In./mm</i>	<i>Lbs./Kg</i>	<i>In./DN(mm)</i>	<i>In./mm</i>	<i>Lbs./Kg</i>
1 1/4 x 1 1/4 x 1 32 x 32 x 25	2 3/4 70	1.5 0.7	5 x 5 x 2 125 x 125 x 50	5 1/2 140	14 6.4	10 x 10 x 8 250 x 250 x 200	9 229	64.7 29.3
1 1/2 x 1 1/2 x 1 40 x 40 x 25	2 3/4 70	1.8 0.8	5 x 5 x 2 1/2 125 x 125 x 65	5 1/2 140	14.3 6.5	12 x 12 x 4 300 x 300 x 100	10 254	75.1 34.1
1 1/2 x 1 1/2 x 1 1/4 40 x 40 x 32	2 3/4 70	1.8 0.8	5 x 5 x 3 125 x 125 x 80	5 1/2 140	14.6 6.6	12 x 12 x 5 300 x 300 x 125	10 254	75.6 34.3
2 x 2 x 1 50 x 50 x 25	3 1/4 C 83	2.6 1.2	5 x 5 x 4 125 x 125 x 100	5 1/2 C 140	17.9 8.1	12 x 12 x 6 300 x 300 x 150	10 254	76.2 34.6
2 x 2 x 1 1/4 50 x 50 x 32	3 1/4 83	1.7 0.8	6 x 6 x 1 150 x 150 x 25	6 1/2 165	20.5 9.3	12 x 12 x 8 300 x 300 x 200	10 254	76.3 34.6
2 x 2 x 1 1/2 50 x 50 x 40	3 1/4 C 83	2.7 1.2	6 x 6 x 1 1/4 150 x 150 x 32	6 1/2 165	20.7 9.4	12 x 12 x 10 300 x 300 x 250	10 254	77.6 35.2
2 1/2 x 2 1/2 x 1 65 x 65 x 25	3 3/4 95	4.1 1.9	6 x 6 x 1 1/2 150 x 150 x 40	6 1/2 165	21.0 9.5	14 x 14 x 6 350 x 350 x 150	11 279	101 45.8
2 1/2 x 2 1/2 x 1 1/4 65 x 65 x 32	3 3/4 95	4.2 1.9	6 x 6 x 2 150 x 150 x 50	6 1/2 C 165	26.4 12.0	14 x 14 x 8 350 x 350 x 200	11 279	103 46.7
2 1/2 x 2 1/2 x 1 1/2 65 x 65 x 40	3 3/4 95	4.3 2.0	6 x 6 x 2 1/2 150 x 150 x 65	6 1/2 C 165	26.5 12.0	14 x 14 x 10 350 x 350 x 250	11 279	104 47.2
2 1/2 x 2 1/2 x 2 65 x 65 x 50	3 3/4 95	4.4 2.0	6 x 6 x 3 150 x 150 x 80	6 1/2 C 165	26.5 12.0	14 x 14 x 12 350 x 350 x 300	11 279	105 47.6
3 x 3 x 1 80 x 80 x 25	4 1/4 C 108	7.0 3.2	6 x 6 x 4 150 x 150 x 100	6 1/2 C 165	26.5 12.0	16 x 16 x 10 400 x 400 x 250	12 305	129 58.5
3 x 3 x 1 1/4 80 x 80 x 32	4 1/4 108	5.8 2.6	6 x 6 x 5 150 x 150 x 125	6 1/2 C 165	28.0 12.7	16 x 16 x 12 400 x 400 x 300	12 305	130 59.0
3 x 3 x 1 1/2 80 x 80 x 40	4 1/4 108	5.9 2.7	8 x 8 x 2 200 x 200 x 50	7 3/4 197	32.7 14.8	16 x 16 x 14 400 x 400 x 350	12 305	132 59.9
3 x 3 x 2 80 x 80 x 50	4 1/4 C 108	5.5 2.5	8 x 8 x 2 1/2 200 x 200 x 65	7 3/4 197	33.0 15.0	18 x 18 x 10 450 x 450 x 250	15 1/2 394	194 88.0
3 x 3 x 2 1/2 80 x 80 x 65	4 1/4 108	6.3 2.9	8 x 8 x 3 200 x 200 x 80	7 3/4 197	33.5 15.2	18 x 18 x 12 450 x 450 x 300	15 1/2 394	196 88.9
4 x 4 x 1 100 x 100 x 25	3 3/4 95	7.0 3.2	8 x 8 x 4 200 x 200 x 100	7 3/4 C 197	50.0 22.7	18 x 18 x 14 450 x 450 x 350	15 1/2 394	201 91.2
4 x 4 x 1 1/4 100 x 100 x 32	5 127	9.6 4.4	8 x 8 x 5 200 x 200 x 125	7 3/4 197	34.7 15.7	18 x 18 x 16 450 x 450 x 400	15 1/2 394	203 92.1
4 x 4 x 1 1/2 100 x 100 x 40	5 127	10.2 4.6	8 x 8 x 6 200 x 200 x 150	7 3/4 C 197	54.0 24.5	20 x 20 x 12 500 x 500 x 300	17 1/4 438	246 111.6
4 x 4 x 2 100 x 100 x 50	5 C 127	10.2 4.6	10 x 10 x 2 250 x 250 x 50	9 229	52.2 23.7	20 x 20 x 14 500 x 500 x 350	17 1/4 438	248 112.5
4 x 4 x 2 1/2 100 x 100 x 65	5 C 127	11.2 5.1	10 x 10 x 2 1/2 250 x 250 x 65	9 229	52.6 23.9	20 x 20 x 16 500 x 500 x 400	17 1/4 438	250 113.4
4 x 4 x 3 100 x 100 x 80	5 C 127	11.4 5.2	10 x 10 x 3 250 x 250 x 80	9 229	53.0 24.0	20 x 20 x 18 500 x 500 x 450	17 1/4 438	252 114.3
5 x 5 x 1 125 x 125 x 25	5 1/2 140	13.6 6.2	10 x 10 x 4 250 x 250 x 100	9 229	53.6 24.3	24 x 24 x 16 600 x 600 x 400	20 508	342 155.1
5 x 5 x 1 1/4 125 x 125 x 32	5 1/2 140	13.7 6.2	10 x 10 x 5 250 x 250 x 125	9 229	54.2 24.6	24 x 24 x 18 600 x 600 x 450	20 508	345 156.5
5 x 5 x 1 1/2 125 x 125 x 40	5 1/2 140	13.8 6.3	10 x 10 x 6 250 x 250 x 150	9 229	55.0 24.9	24 x 24 x 20 600 x 600 x 500	20 508	347 157.4

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

Center to end dimensions and weights may differ from those shown in chart, contact an Anvil Representative for more information.

See Fitting Size chart on next page for O.D.



For Listings/Approval Details and Limitations, visit our website at www.anvintl.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	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
1 1/4	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
1 1/2	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
2 1/2	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
4 1/4 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
5 1/4 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
5 1/2 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
6 1/4 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
6 1/2 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	4.0	22.5	7.8
18	18.000	0.375	28.9	14.5	70.0	28.9
450	457.2	9.5	8.8	4.5	26.6	8.8
20	20.000	0.375	32.2	16.1	78.0	32.2
500	508.0	9.5	9.8	5.0	29.7	9.8
24	24.000	0.375	38.9	19.5	93.0	38.9
600	609.6	9.5	11.9	6.0	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:

1-12" 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
1 1/4	1.660	6 1/4 O.D.	6.259
32	42.4	159.0	159.0
1 1/2	1.900	6 1/2 O.D.	6.500
40	48.3	165.1	165.1
2	2.375	6	6.625
50	60.3	150	168.3
2 1/2	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
3 1/2	4.000	14	14.000
90	101.6	350	355.6
4 1/4 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
5 1/4 O.D.	5.236	20	20.000
133.0	133.0	500	508.0
5 1/2 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.