

GROOVED FLANGE NIPPLES

☐ **FIG. 7084** – Groove x Class 150 Flange Nipple

☐ **FIG. 7085** – Groove x Class 300 Flange Nipple

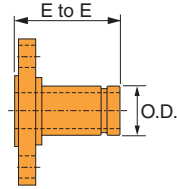


FIGURE 7084 GROOVE X CLASS 150 FLANGE NIPPLE			
Nominal Size	O.D.	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./Kg
1 25	1.315 33.4	3 76	2.5 1.1
1 1/4 32	1.660 42.2	4 102	3.8 1.7
1 1/2 40	1.900 48.3	4 102	4.1 1.9
2 50	2.375 60.3	4 102	6.0 2.7
2 1/2 65	2.875 73.0	4 102	9.2 4.2
3 80	3.500 88.9	4 102	10.4 4.7
3 1/2 90	4.000 101.6	4 102	14.0 6.4
4 100	4.500 114.3	6 152	19.1 8.7
5 125	5.563 141.3	6 152	23.0 10.4
6 150	6.625 168.3	6 152	29.5 13.4
8 200	8.625 219.1	6 152	43.5 19.7
10 250	10.750 273.1	8 203	68.2 30.9
12 300	12.750 323.9	8 203	96.1 43.6
14 350	14.000 355.6	* *	* *
16 400	16.000 406.4	* *	* *
18 450	18.000 457.2	* *	* *
20 500	20.000 508.0	* *	* *
24 600	24.000 609.6	* *	* *

* Contact an Anvil Representative for dimensions & weights.

FIGURE 7085 GROOVE X CLASS 300 FLANGE NIPPLE	
End to End	Approx. Wt. Ea.
In./mm	Lbs./Kg
3 76	3.6 1.6
4 102	4.6 2.1
4 102	7.1 3.2
4 102	8.2 3.7
4 102	11.9 5.4
4 102	15.5 7.0
4 102	21.0 9.5
6 152	28.0 12.7
6 152	35.0 15.9
6 152	50.0 22.7
6 152	72.0 32.7
8 203	* *
8 203	* *
* *	* *
* *	* *
* *	* *
* *	* *
* *	* *

This product is not UL/ULC Listed or FM Approved.



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

PROJECT INFORMATION		APPROVAL STAMP
Project:		☐ Approved
Address:		☐ Approved as noted
Contractor:		☐ 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	11.7	64.2	22.9
350	355.6	9.5	6.8	3.4	19.6	7.0
16	16.000	0.375	25.5	12.7	73.9	26.4
400	406.4	9.5	7.8	4.0	22.5	8.0
18	18.000	0.375	28.9	14.5	87.2	31.1
450	457.2	9.5	8.8	4.4	26.6	9.5
20	20.000	0.375	32.2	16.1	97.3	34.8
500	508.0	9.5	9.8	4.9	29.7	10.6
24	24.000	0.375	38.9	19.5	113.0	40.4
600	609.6	9.5	11.9	5.9	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
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.