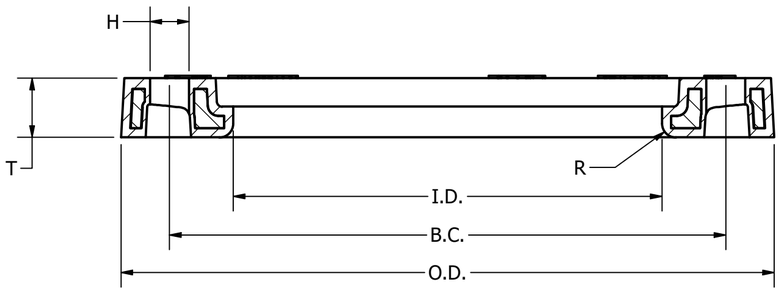
MATERIAL: GLASS REINFORCED POLYPROPYLENE WITH IPP DELTAFLEX DUCTILE IRON INSERT

Pipe Diameter (in)	SDR	O.D.	T	I.D.	Bolt Count	Bolt hole Size (H)	Bolt Hole Circle (BC)	R	Weight (lbs)	Operating Pressure (psi)	FM Approved
2"	7	6.460	0.710	2.630	4	0.750	4.750	0.280	2	335	FM(250psi)
2"	13.5	6.500	0.710	2.460	4	0.750	4.750	0.280	2	160	N/A
3"	7	7.720	0.730	3.750	4	0.750	6.000	0.280	2	335	FM(250psi)
3"	13.5	7.800	0.710	3.600	4	0.750	6.000	0.350	2	160	N/A
4"	7	9.330	0.980	4.750	8	0.750	7.500	0.350	4	335	FM(250psi)
4"	13.5	9.210	0.710	4.600	8	0.750	7.500	0.350	3	160	N/A
6"	7	11.690	1.180	7.090	8	0.870	9.500	0.350	7	335	FM(250psi)
6"	13.5	11.570	0.790	6.750	8	0.870	9.500	0.350	4	160	N/A
8"	7	13.940	1.340	8.880	8	0.870	11.750	0.350	12	335	FM(250psi)
8"	13.5	13.860	1.100	8.750	8	0.870	11.750	0.350	8	160	N/A
10"	7	16.730	1.520	11.000	12	1.000	14.250	0.350	16	335	FM(250psi)
10"	13.5	16.610	1.220	10.920	12	1.020	14.250	0.350	11	160	N/A
12"	7	19.570	2.010	13.190	12	1.000	17.000	0.350	28	335	FM(250psi)
12"	13.5	19.370	1.610	12.920	12	1.020	17.000	0.350	18	160	N/A
14"	7	21.340	2.050	14.380	12	1.140	18.750	0.350	36	335	FM(250psi)
14"	13.5	21.260	1.610	14.380	12	1.140	18.750	0.350	23	160	N/A
16"	7	23.900	2.440	16.380	16	1.140	21.250	0.350	66	335	FM(250psi)
16"	13.5	23.820	1.750	16.190	16	1.140	21.250	0.350	30	160	N/A
18"	7	25.510	2.440	18.380	16	1.250	22.750	0.350	61	335	FM(250psi)
18"	13.5	25.510	1.910	18.380	16	1.260	22.750	0.350	34	160	N/A
20"	7	27.990	2.680	20.380	20	1.250	25.000	0.350	93	335	FM(250psi)
20"	13.5	27.870	2.130	20.380	20	1.260	25.000	0.350	42	160	N/A
22"	7	30.310	3.190	22.380	20	1.380	27.250	0.350	104	335	FM(250psi)
24"	7	32.520	3.190	24.380	20	1.380	29.500	0.350	142	335	FM(250psi)
24"	13.5	32.520	2.240	24.380	20	1.380	29.500	0.350	59	160	N/A
28"	7	37.200	3.900	28.380	28	1.380	34.000	0.350	224	335	FM(250psi)
28"	13.5	36.950	2.990	28.390	28	1.380	34.000	0.350	105	160	N/A
30"	7	39.210	3.900	30.380	28	1.380	36.000	0.350	247	335	FM(250psi)
30"	13.5	39.450	3.130	30.380	28	1.380	36.000	0.350	119	160	N/A
36"	7	47.334	6.551	36.459	32	1.610	42.750	0.250	640	335	N/A
36"	13.5	46.650	3.860	36.380	32	1.610	42.750	0.350	197	160	N/A
42"	11	53.660	4.060	42.380	36	1.630	49.500	0.600	350	200	N/A
48"	11	60.178	4.960	48.500	44	1.625	56.000	0.750	541	200	N/A

REVISION HISTORY		
REV	DESCRIPTION	DATE
1	VALID	8/02/11
2	ADD CORRECTIONS PER PHYSICAL DRAWING	5/20/2013
3	OPERATING PRESSURE	10/26/2017
4	ADD SDR7-36"	9/24/2020
5	NOTE REVISE	6/24/2021
6	ADD SDR11-42"	11/01/2021
7	ADDED SDR11 48"	06/05/2026
8	ADDED "FM Approved" COLUMN TO DIMENSIONS TABLE	08/17/2026
9	Revised SDR Column to show Decimal Place of SDR13.5	09/30/2026





NOTE: OVERSIZED WASHERS OF SUFFICIENT DIAMETER SHOULD BE USED IN CONJUNCTION WITH POLYENCAPSULATED RINGS TO PREVENT DAMAGE TO THE POLYECAPSULATED COATING DURING INSTALLATION.

Ongoing engineering design efforts may affect the technical information listed in our publications.

UNLESS OTHERWISE NOTED:
AND ALL DIMENSIONS IN INCHES

IMPROVED PIPING PRODUCTS, INC.

TITLE
Polypropylene Encapsulated Ductile Iron, ANSI Flanges / Backup Rings Submittal