

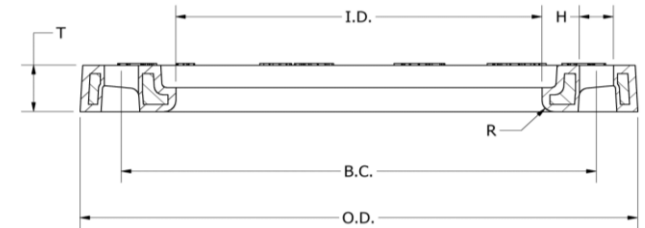
**MATERIAL: GLASS REINFORCED POLYPROPYLENE
WITH IPP DELTAFLEX DUCTILE IRON INSERT**

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	6.46	0.71	2.630	4	0.750	4.750	0.280	2	335	FM(250)
2"	13.5	6.50	0.71	2.46	4	0.75	4.75	0.28	2	160	N/A
3"	7	7.72	0.73	3.75	4	0.75	6.00	0.28	2	335	FM(250)
3"	13.5	7.80	0.71	3.60	4	0.75	6.00	0.35	2	160	N/A
4"	7	9.33	0.98	4.75	8	0.75	7.50	0.35	4	335	FM(250)
4"	13.5	9.21	0.71	4.60	8	0.75	7.50	0.35	3	160	N/A
6"	7	11.69	1.18	7.09	8	0.87	9.50	0.35	7	335	FM(250)
6"	13.5	11.57	0.79	6.75	8	0.87	9.50	0.35	4	160	N/A
8"	7	13.94	1.34	8.88	8	0.87	11.75	0.35	12	335	FM(250)
8"	13.5	13.86	1.10	8.75	8	0.87	11.75	0.35	8	160	N/A
10"	7	16.73	1.52	11.00	12	1.00	14.25	0.35	16	335	FM(250)
10"	13.5	16.61	1.22	10.92	12	1.02	14.25	0.35	11	160	N/A
12"	7	19.57	2.01	13.19	12	1.00	17.00	0.35	28	335	FM(250)
12"	13.5	19.37	1.61	12.92	12	1.02	17.00	0.35	18	160	N/A
14"	7	21.34	2.05	14.38	12	1.14	18.75	0.35	36	335	FM(250)
14"	13.5	21.26	1.61	14.38	12	1.14	18.75	0.35	23	160	N/A
16"	7	23.90	2.44	16.38	16	1.14	21.25	0.35	66	335	FM(250)
16"	13.5	23.82	1.75	16.19	16	1.14	21.25	0.35	30	160	N/A
18"	7	25.51	2.44	18.38	16	1.25	22.75	0.35	61	335	FM(250)
18"	13.5	25.51	1.91	18.38	16	1.26	22.75	0.35	34	160	N/A
20"	7	27.99	2.68	20.38	20	1.25	25.00	0.35	93	335	FM(250)
20"	13.5	27.87	2.13	20.38	20	1.26	25.00	0.35	42	160	N/A
22"	7	30.31	3.19	22.38	20	1.38	27.25	0.35	104	335	FM(250)
24"	7	32.52	3.19	24.38	20	1.38	29.50	0.35	142	335	FM(250)
24"	13.5	32.52	2.24	24.38	20	1.38	29.50	0.35	59	160	N/A
28"	7	37.20	3.90	28.38	28	1.38	34.00	0.35	224	335	FM(250)
28"	13.5	36.95	2.99	28.39	28	1.38	34.00	0.35	105	160	N/A
30"	7	39.21	3.90	30.38	28	1.38	36.00	0.35	247	335	FM(250)
30"	13.5	39.45	3.13	30.38	28	1.38	36.00	0.35	119	160	N/A
36"	7	47.33	6.55	36.46	32	1.61	42.75	0.25	640	200	N/A
36"	13.5	46.65	3.86	36.38	32	1.61	42.75	0.35	197	160	N/A

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

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

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



IPP IMPROVED
PIPING PRODUCTS, INC.

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

UNLESS OTHERWISE NOTED:
AND ALL DIMENSIONS IN INCHES