



HDPE WATER/SEWER IPS

PRESSURE-RATED PVC PIPE

Product One Sheet >

HDPE Water/Sewer | IPS



PRESSURE-RATED HDPE PIPE



ANSI/AWWA C906, ASTM F714, FM1613
ASTM D3350 Cell Class 445574C/E (CC3-Potable water only FM1613),
PPI (TR-4) PE 4710 ANSI/NSF 61/14

MARKETS



POTABLE



IRRIGATION



RECLAIM



SEWER



DRAINAGE



REHABILITATION



FIRE PROTECTION

DESCRIPTION

Standard HDPE



Coiled HDPE



HDPE WATER/SEWER - IPS

Nominal Laying Length:

40/50 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards)

PIPE SIZES

4", 5", 6", 7", 8", 10",
12", 14", 16", 18", 20",
22", 24", 26", 28", 30",
32", 34", 36", 42", 48",
54", 63"

PIPE COLOR

BLACK

ADDITIONAL OPTIONS

Perforated*: 4", 5", 6", 7", 8"

Coil*: 4", 5", 6"

BLACK W/ COLOR STRIPES:



BLACK/BLUE



BLACK/PURPLE



BLACK/GREEN

ADDITIONAL COLOR OPTIONS

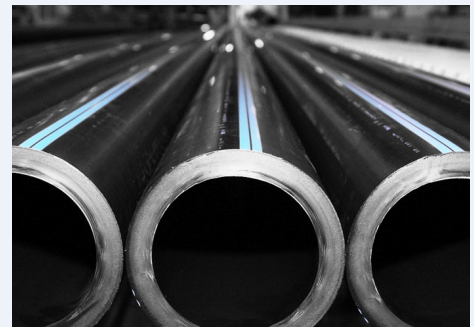
GREY

AWWA C906

DR 7	335 psi
DR 9	250 psi
DR 11	200 psi
DR 13.5	160 psi
DR 17	125 psi

AWWA C906

DR 19	111 psi
DR 21	100 psi
DR 26	80 psi
DR 32.5	63 psi
DR 41	50 psi



BENEFITS

INSTALLATION

- Lightweight, with long laying length, great for easy transportation and installation.
- Pipe applicable for open-trench and slip-lining installation.

FEATURES

- Extremely durable; corrosion, gouging and abrasion resistant.
- Features 100 years design life per Florida DOT.
- Great flexibility, and highly suitable for earth-quake-prone areas.
- Highest PE pressure rating, resistance to slow crack growth and rapid crack propagation.



*50 year warranty only applicable to C900/Eagle Loc 900, C909, AWWA C901/C906. Check www.jmeagle.com/warranty for full details.

PRESSURE-RATED HDPE PIPE

SUBMITTAL AND DATA SHEET

HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)
		DR 7 (335 psi)			DR 9 (250 psi)			DR 11 (200 psi)		
4*	4.500	0.643	3.317	3.40	0.500	3.440	2.75	0.409	3.633	2.30
5*	5.563	0.795	3.747	4.85	0.618	4.109	3.92	0.506	4.338	3.29
6*	6.625	0.946	4.616	7.36	0.736	5.065	5.96	0.602	5.349	4.99
7*	7.125	1.018	5.056	8.52	0.792	5.446	6.89	0.648	5.751	5.78
8*	8.625	1.232	6.013	12.48	0.958	6.594	10.09	0.784	6.963	8.46
10*	10.750	1.536	7.494	19.40	1.194	8.219	15.68	0.977	8.679	13.14
12*	12.750	1.821	8.889	27.28	1.417	9.746	22.07	1.159	10.293	18.49
14*	14.000	2.000	9.760	32.90	1.556	10.107	26.61	1.273	11.301	22.30
16*	16.000	2.286	11.154	42.97	1.778	12.231	34.75	1.455	12.915	29.12
18*	18.000	2.571	12.549	54.37	2.000	13.760	43.97	1.636	14.532	36.84
20*	20.000	2.857	13.943	67.13	2.222	15.289	54.28	1.818	16.146	45.49
22*	22.000	3.143	15.337	81.23	2.444	16.819	65.68	2.000	17.760	55.05
24*	34.000	3.429	16.732	96.67	2.667	18.346	78.18	2.182	19.374	65.52
26	26.000	-	-	-	2.889	19.857	91.75	2.364	20.988	76.90
28	28.000	-	-	-	3.111	21.405	106.40	2.545	22.605	89.15
30	30.000	-	-	-	3.333	22.934	122.13	2.727	24.219	102.35
32	32.000	-	-	-	3.556	24.461	138.98	2.909	25.833	116.46
34	34.000	-	-	-	3.778	25.991	156.89	3.091	27.447	131.48
36	36.000	-	-	-	4.000	27.520	175.88	3.273	29.061	147.41

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PRESSURE-RATED HDPE PIPE

SUBMITTAL AND DATA SHEET

HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)
		DR 13.5 (160 psi)			DR 17 (125 psi)			DR 19 (111 psi)		
4	4.500	0.333	3.794	1.91	0.265	3.938	1.55	0.237	3.998	1.39
5	5.563	0.412	4.531	2.73	0.327	4.705	2.21	0.283	4.775	1.99
6	6.625	0.491	5.584	4.15	0.390	5.798	3.35	0.349	5.885	3.02
7	7.125	0.528	6.006	4.80	0.420	6.237	3.88	0.375	6.330	3.49
8	8.625	0.639	7.270	7.03	0.507	7.550	5.68	0.454	7.663	5.12
10	10.750	0.796	9.062	10.92	0.632	9.410	8.82	0.566	9.550	7.95
12	12.750	0.944	10.749	15.36	0.750	11.160	12.41	0.671	11.327	11.19
14	14.000	1.037	11.802	18.52	0.824	12.253	14.98	0.737	12.438	13.49
16	16.000	1.185	13.488	24.19	0.941	14.005	19.55	0.842	14.215	17.61
18	18.000	1.333	15.174	30.61	1.059	15.755	24.75	0.947	15.992	22.29
20	20.000	1.481	16.860	37.76	1.176	17.507	30.53	1.053	17.768	27.52
22	22.000	1.630	18.544	45.75	1.294	19.257	36.86	1.158	19.545	33.30
24	24.000	1.778	20.231	54.44	1.412	21.007	43.99	1.263	21.322	39.63
26	26.000	1.926	21.917	63.89	1.529	22.759	51.61	1.368	23.100	46.51
28	28.000	2.074	23.603	74.09	1.647	24.508	59.87	1.474	24.875	53.94
30	30.000	2.222	25.289	85.04	1.765	26.258	68.74	1.579	26.653	61.92
32	32.000	2.370	26.967	96.76	1.882	28.010	78.18	1.684	28.430	70.45
34	34.000	2.519	28.660	109.26	2.000	29.760	88.28	1.790	30.205	79.54
36	36.000	2.667	30.346	122.49	2.118	31.510	98.98	1.895	31.983	89.17
42	42.000	3.111	35.404	166.70	2.471	36.761	134.72	2.211	37.314	121.37
48	48.000	3.556	40.462	217.76	2.824	42.013	175.97	2.526	42.644	158.52
54	54.000	4.000	45.520	275.56	3.176	47.265	222.67	2.842	47.975	200.63
63	63.000	-	-	-	3.706	55.143	303.09	3.316	55.970	273.09
65	65.000	-	-	-	3.824	56.893	322.66	3.421	57.747	290.68

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SUBMITTAL AND DATA SHEET

HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)
		DR 21 (100 psi)			DR 26 (80 psi)			DR 32.5 (63 psi)		
4	4.500	0.214	4.046	1.27	0.173	4.133	1.03	0.138	4.207	0.83
5	5.563	0.265	4.832	1.81	0.214	4.936	1.48	0.171	5.025	1.19
6	6.625	0.315	5.957	2.74	0.255	6.084	2.24	0.204	6.193	1.81
7	7.125	0.340	6.406	3.18	0.274	6.544	2.59	0.219	6.661	2.09
8	8.625	0.411	7.754	4.66	0.332	7.921	3.80	0.265	8.063	3.06
10	10.750	0.512	9.665	7.24	0.413	9.874	5.90	0.331	10.048	4.77
12	12.750	0.607	11.463	10.17	0.490	11.711	8.30	0.392	11.919	6.69
14	14.000	0.667	12.586	12.28	0.538	12.895	10.00	0.431	13.086	8.08
16	16.000	0.762	14.385	16.03	0.615	14.696	13.07	0.492	14.957	10.54
18	18.000	0.857	16.183	20.28	0.692	16.533	16.54	0.554	16.826	13.36
20	20.000	0.952	17.982	25.03	0.769	18.370	20.43	0.615	18.969	16.48
22	22.000	1.048	19.778	30.31	0.846	20.206	24.72	0.677	20.565	19.95
24	24.000	1.143	21.577	36.06	0.923	22.043	29.42	0.738	22.435	23.72
26	26.000	1.238	23.375	42.32	1.000	23.880	34.53	0.800	24.304	27.86
28	28.000	1.333	25.174	49.07	1.077	25.717	40.05	0.862	26.173	32.33
30	30.000	1.429	26.971	56.36	1.154	27.554	45.98	0.923	28.043	37.09
32	32.000	1.542	28.730	64.11	1.231	29.390	52.31	0.985	29.912	42.22
34	34.000	1.619	30.568	72.36	1.308	31.227	59.06	1.046	31.782	47.63
36	36.000	1.714	32.366	81.12	1.385	33.064	66.22	1.108	33.651	53.42
42	42.000	2.000	37.760	110.43	1.615	38.576	90.08	1.292	39.261	72.68
48	48.000	2.286	43.154	144.25	1.846	44.086	117.68	1.477	44.869	94.95
54	54.000	2.571	48.549	182.51	2.077	49.597	148.95	1.662	50.447	120.20
63	63.000	3.000	56.640	248.46	2.423	57.863	202.73	1.938	58.891	163.53
65	65.000	3.095	58.439	264.46	2.500	59.700	215.80	2.000	60.760	174.11

SUBMITTAL AND DATA SHEET

HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	MIN. T. (IN)	AVG. I.D. (IN)	APPROX. WGT (LBS/FT)
DR 41 (50 psi)				
30	30.000	0.732	28.448	29.61
32	32.000	0.780	30.346	33.66
34	34.000	0.829	32.243	38.01
36	36.000	0.878	34.139	42.62
42	42.000	1.024	39.829	58.00
48	48.000	1.171	45.517	75.80
54	54.000	1.317	51.208	95.91

PRODUCT STANDARD

ANSI/AWWA C906
ASTM F714
FM1613 4" ~ 24" DR 7, 9, 11

PIPE COMPOUND

PPI TR-4 PE 4710, ASTM D3350
Cell Class 445574 C/E

NOMINAL LAYING LENGTH

40/50 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards) Coil option available upon request for size 6" and below.

ADDITIONAL OPTION

Perforated (4" - 8")*

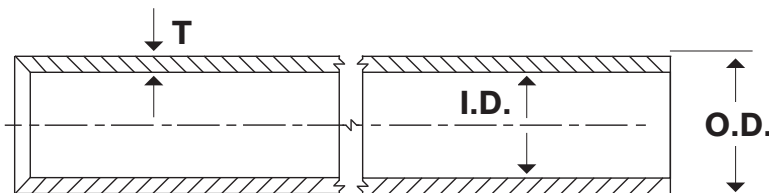
CERTIFICATIONS

ANSI/NSF 61,
ANSI/NSF 14

INSTALLATION

JM Eagle™ HDPE Water/Sewer
Installation Guide

Manning Coefficient (n) = 0.009 -
Hazen-Williams Coefficient (c) = 150



I.D. - Inside Diameter **O.D.** - Outside Diameter **T** - Wall Thickness

