



# **HDPE WATER/SEWER DIPS**

**PRESSURE-RATED PVC PIPE**

**Product One Sheet >**

# HDPE Water/Sewer | DIPS



## 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



RECLAIM



SEWER



DRAINAGE



REHABILITATION



FIRE PROTECTION

### DESCRIPTION

#### Standard 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", 6", 8", 10", 12",  
14", 16", 18", 20",  
24", 30", 36", 42",  
48"

#### PIPE COLOR

BLACK

#### ADDITIONAL OPTIONS

Perforated\*: 4", 6", 8"

#### BLACK W/ COLOR STRIPES:



BLACK/BLUE



BLACK/GREEN



BLACK/PURPLE

#### ADDITIONAL COLOR OPTIONS

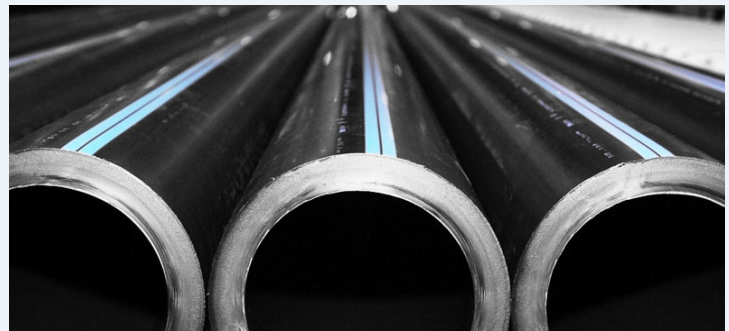
GREY

#### 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



### 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 earthquake-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](http://www.jmeagle.com/warranty) for full details.

## PRESSURE-RATED HDPE PIPE

### SUBMITTAL AND DATA SHEET

#### HDPE DUCTILE IRON OUTSIDE DIAMETER 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*	4.800	0.686	3.346	3.87	0.533	3.670	3.13	0.436	3.876	2.62
6*	6.900	0.986	4.868	7.99	0.767	5.274	6.46	0.627	5.571	5.41
8*	9.050	1.293	6.309	13.75	1.006	6.917	11.12	0.823	7.305	9.32
10*	11.100	1.586	7.738	20.68	1.233	8.486	16.72	1.009	8.961	14.01
12*	13.200	1.886	9.202	29.25	1.467	10.090	23.65	1.200	10.656	19.82
14*	15.300	2.186	10.666	39.29	1.700	11.696	31.77	1.391	12.351	26.63
16*	17.400	2.486	12.130	50.82	1.933	13.302	41.08	1.582	14.046	34.44
18*	19.500	2.786	13.594	63.82	2.167	14.906	51.61	1.773	15.741	43.25
20*	21.600	3.086	15.058	78.31	2.400	16.512	63.32	1.964	17.436	53.07
24*	25.800	-	-	-	2.867	19.722	90.35	2.345	20.829	75.69
30	32.000	-	-	-	3.556	24.461	138.98	2.909	25.833	116.46
36	38.300	-	-	-	4.256	29.277	199.09	3.482	30.918	166.84
42	-	-	-	-	-	-	-	4.045	35.925	225.19
		DR 13.5 (160 psi)			DR 17 (125 psi)			DR 19 (111 psi)		
4	4.800	0.356	4.045	2.18	0.282	4.202	1.76	0.253	4.264	1.59
6	6.900	0.511	5.817	4.50	0.406	6.039	3.64	0.363	6.130	3.27
8	9.050	0.670	7.630	7.74	0.532	7.922	6.25	0.476	8.041	5.63
10	11.100	0.822	9.375	11.64	0.653	9.761	9.41	0.584	9.862	8.47
12	13.200	0.978	11.127	16.47	0.776	11.555	13.30	0.695	11.727	11.99
14	15.300	1.133	12.898	22.12	0.900	13.392	17.88	0.805	13.593	16.10
16	17.400	1.289	14.667	28.61	1.024	15.229	23.13	0.916	15.458	20.84
18	19.500	1.444	16.439	35.92	1.147	17.068	29.04	1.026	17.325	26.15
20	21.600	1.600	18.208	44.09	1.271	18.905	35.64	1.137	19.190	32.10
24	25.800	1.911	21.749	62.90	1.518	22.582	50.84	1.358	22.921	45.80
30	32.000	2.370	26.976	96.76	1.882	28.123	78.18	1.684	28.430	70.45
36	38.300	2.837	32.286	138.62	2.253	33.524	112.02	2.016	34.026	100.94
42	44.500	3.296	37.512	187.12	2.618	38.950	151.24	2.342	39.535	136.24
48	50.800	3.763	42.822	243.87	2.988	44.465	197.05	2.674	45.131	177.57

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### SUBMITTAL AND DATA SHEET

#### HDPE DUCTILE IRON OUTSIDE DIAMETER 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	4.800	0.229	4.315	1.44	0.185	4.408	1.18	0.148	4.486	0.95
6	6.900	0.329	6.203	2.98	0.265	6.338	2.43	0.212	6.451	1.96
8	9.050	0.431	8.136	5.13	0.348	8.312	4.18	0.278	8.461	3.37
10	11.100	0.529	9.979	7.72	0.427	10.195	6.29	0.342	10.375	5.08
12	13.200	0.629	11.867	10.91	0.508	12.123	8.91	0.406	12.339	7.18
14	15.300	0.729	13.755	14.66	0.588	14.053	11.95	0.471	14.301	9.65
16	17.400	0.829	15.643	18.96	0.669	15.982	15.46	0.535	16.429	12.49
18	19.500	0.929	17.531	23.81	0.750	17.910	19.95	0.600	18.228	15.67
20	21.600	1.029	19.419	29.22	0.831	19.838	23.84	0.665	20.190	19.24
24	25.800	1.229	23.195	41.68	0.992	23.697	33.99	0.794	24.117	27.44
30	32.000	1.524	28.769	64.11	1.231	23.390	52.31	0.985	29.912	42.22
36	38.300	1.824	34.433	91.84	1.473	35.177	74.92	1.178	35.873	60.43
42	44.500	2.119	40.008	123.96	1.712	40.871	101.17	1.369	41.480	81.59
48	50.800	2.419	45.672	161.55	1.954	46.658	131.83	1.563	47.486	106.34

#### PRODUCT STANDARD

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

#### PIPE COMPOUND

ASTM D3350 Cell Class  
445574 C/E (CC3-Potable water only)

#### NOMINAL LAYING LENGTH

**40/50 feet**

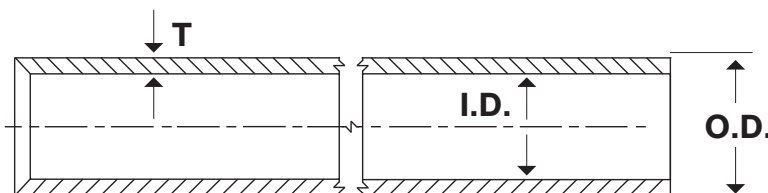
(Laying length tolerances are in accordance with AWWA and ASTM standards)

#### ADDITIONAL OPTION

Perforated (4" - 8")\*

#### CERTIFICATIONS

ANSI/NSF 61,  
ANSI/NSF 14



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

#### INSTALLATION

JM Eagle™ HDPE Water/Sewer  
Installation Guide

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

