



Ductile Iron Pipe Size (DIPS) and Dimension Data

DriscoPlex[®] Pipe for Municipal Applications

PE4710 (PE3408)

Pressure Ratings are calculated using 0.63 design factor for HDS at 73°F as listed in PPI TR-4 for PE 4710 materials. HDPE can accommodate up to 1.5 times the pipe pressure rating for a recurring surge and up to 2.0 times the pipe pressure rating for an occasional surge. Temperature, Chemical, and Environmental use considerations may require use of additional design factors.

Pressure Rating		335 psi DR 7.0			250 psi DR 9.0			200 psi DR 11.0			160 psi DR 13.5			Nominal Pipe Size
Nominal Pipe Size	DIPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
4"	4.800	0.686	3.346	3.87	0.533	3.670	3.13	0.436	3.876	2.62	0.356	4.045	2.18	4"
6"	6.900	0.986	4.810	8.00	0.767	5.274	6.47	0.627	5.571	5.42	0.511	5.817	4.50	6"
8"	9.050	1.293	6.309	13.76	1.006	6.917	11.13	0.823	7.305	9.32	0.670	7.630	7.75	8"
10"	11.100	1.586	7.738	20.70	1.233	8.486	16.74	1.009	8.961	14.03	0.822	9.357	11.66	10"
12"	13.200	1.886	9.202	29.27	1.467	10.090	23.67	1.200	10.656	19.84	0.978	11.127	16.48	12"
14"	15.300	2.186	10.666	39.33	1.700	11.696	31.80	1.391	12.351	26.65	1.133	12.898	22.15	14"
16"	17.400	2.486	12.130	50.87	1.933	13.302	41.13	1.582	14.046	34.47	1.289	14.667	28.64	16"
18"	19.500	2.786	13.594	63.89	2.167	14.906	51.66	1.773	15.741	43.29	1.444	16.439	35.97	18"
20"	21.600				2.400	16.512	63.38	1.964	17.436	53.12	1.600	18.208	44.14	20"
24"	25.800				2.867	19.722	90.43	2.345	20.829	75.78	1.911	21.749	62.97	24"
30"	32.000							2.909	25.833	116.58	2.370	26.976	96.87	30"
36"	38.300							3.482	30.918	167.01	2.837	32.286	138.77	36"
42"	44.500										3.296	37.512	187.33	42"

Pressure Rating		125 psi DR 17.0			100 psi DR 21.0			80 psi DR 26.0			63 psi DR 32.5			Nominal Pipe Size
Nominal Pipe Size	DIPS OD (in)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	Minimum Wall (in)	Average ID (in)	Weight (lbs/ft)	
4"	4.800	0.282	4.202	1.76	0.229	4.315	1.45							4"
6"	6.900	0.406	6.039	3.64	0.329	6.203	2.99	0.265	6.338	2.43	0.212	6.451	1.96	6"
8"	9.050	0.532	7.922	6.26	0.431	8.136	5.13	0.348	8.312	4.19	0.278	8.461	3.37	8"
10"	11.100	0.653	9.716	9.42	0.529	9.979	7.73	0.427	10.195	6.30	0.342	10.375	5.09	10"
12"	13.200	0.776	11.555	13.31	0.629	11.867	10.93	0.508	12.123	8.91	0.406	12.339	7.19	12"
14"	15.300	0.900	13.392	17.89	0.729	13.755	14.68	0.588	14.053	11.96	0.471	14.301	9.66	14"
16"	17.400	1.024	15.229	23.15	0.829	15.643	18.98	0.669	15.982	15.48	0.535	16.266	12.48	16"
18"	19.500	1.147	17.068	29.07	0.929	17.531	23.84	0.750	17.910	19.44	0.600	18.228	15.69	18"
20"	21.600	1.271	18.905	35.68	1.029	19.419	29.25	0.831	19.838	23.86	0.665	20.190	19.26	20"
24"	25.800	1.518	22.582	50.89	1.229	23.195	41.73	0.992	23.697	34.03	0.794	24.117	27.46	24"
30"	32.000	1.882	28.010	78.26	1.524	28.769	64.18	1.231	29.390	52.37	0.985	29.912	42.26	30"
36"	38.300	2.253	33.524	112.13	1.824	34.433	91.93	1.473	35.177	75.00	1.178	35.803	60.49	36"
42"	44.500	2.618	38.950	151.39	2.119	40.008	124.09	1.712	40.871	101.28	1.369	41.598	81.68	42"

This size and dimension chart is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. Pipe weights are calculated in accordance with PPI TR-7. Average inside diameter is calculated using DIPS OD and Minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary. When designing components to fit the pipe ID, refer to pipe dimension and tolerances in the applicable pipe manufacturing specification.