

Typical Sizes and Dimensions for Iron Pipe Size (IPS) PE3408 High Density Polyethylene (HDPE) Pipe

Pressure Rating		DR 7 (265psi)			DR 9 (200psi)			DR 11 (160psi)			DR 13.5 (128psi)			DR 15.5 (110psi)		
Nominal Size	Actual O.D.	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf
2"	2.375"	0.339"	1.670"	0.943	0.264"	1.826"	0.762	0.216"	1.926"	0.639	0.176"	2.009"	0.531	0.153"	2.057"	0.467
3"	3.500"	0.500"	2.460"	2.047	0.389"	2.691"	1.656	0.318"	2.839"	1.387	0.259"	2.961"	1.153	0.226"	3.030"	1.015
4"	4.500"	0.643"	3.163"	3.384	0.500"	3.460"	2.737	0.409"	3.649"	2.294	0.333"	3.807"	1.906	0.290"	3.897"	1.678
5"	5.375"	---	---	---	---	---	---	0.489"	4.358"	3.272	---	---	---	---	---	---
5"	5.563"	0.795"	3.909"	5.172	0.618"	4.278"	4.182	0.506"	4.511"	3.505	0.412"	4.706"	2.912	0.359"	4.816"	2.564
6"	6.625"	0.946"	4.657"	7.336	0.736"	5.094"	5.932	0.602"	5.373"	4.971	0.491"	5.604"	4.130	0.427"	5.737"	3.637
7"	7.125"	---	---	---	---	---	---	0.648"	5.777"	5.750	---	---	---	---	---	---
8"	8.625"	1.232"	6.062"	12.433	0.958"	6.632"	10.054	0.784"	6.994"	8.425	0.639"	7.296"	7.001	0.556"	7.469"	6.164
10"	10.750"	1.536"	7.555"	19.314	1.194"	8.266"	15.618	0.977"	8.718"	13.089	0.796"	9.094"	10.875	0.694"	9.306"	9.576
12"	12.750"	1.821"	8.962"	27.170	1.417"	9.803"	21.970	1.159"	10.339"	18.412	0.944"	10.786"	15.298	0.823"	11.038"	13.471
14"	14.000"	2.000"	9.840"	32.758	1.556"	10.764"	26.489	1.273"	11.352"	22.199	1.037"	11.843"	18.445	0.903"	12.122"	16.242
16"	16.00"	2.286"	11.245"	42.786	1.778"	12.302"	34.598	1.455"	12.974"	28.994	1.185"	13.535"	24.092	1.032"	13.853"	21.214
18"	18.00"	2.571"	12.652"	54.151	2.000"	13.840"	43.788	1.636"	14.597"	36.696	1.333"	15.227"	30.491	1.161"	15.585"	26.849
20"	20.00"	2.857"	14.057"	66.853	2.222"	15.378"	54.059	1.818"	16.219"	45.304	1.481"	16.920"	37.643	1.290"	17.317"	33.146
22"	22.00"	---	---	---	2.444"	16.916"	65.412	2.000"	17.840"	54.818	1.630"	18.610"	45.548	1.419"	19.048"	40.107
24"	24.00"	---	---	---	2.667"	18.453"	77.845	2.182"	19.461"	65.237	1.778"	20.302"	54.206	1.548"	20.780"	47.731
26"	26.00"	---	---	---	---	---	---	2.364"	21.083"	76.563	1.926"	21.994"	63.617	1.677"	22.512"	56.018
28"	28.00"	---	---	---	---	---	---	2.545"	22.706"	88.795	2.074"	23.686"	73.781	1.806"	24.244"	64.967
30"	30.00"	---	---	---	---	---	---	2.727"	24.328"	101.934	2.222"	25.378"	84.697	1.935"	25.975"	74.580
32"	32.00"	---	---	---	---	---	---	---	---	---	2.370"	27.070"	96.367	2.065"	27.705"	84.855
36"	36.00"	---	---	---	---	---	---	---	---	---	---	---	---	2.323"	31.168"	107.395
42"	42.00"	---	---	---	---	---	---	---	---	---	---	---	---	2.710"	36.363"	146.176
48.0"	48.00"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
51.5"	51.50"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
54"	54.00"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTE:

- Pressures are based on using water at 23°C (73°F) and are determined by using standard formulas for the industry.
- Average inside diameter calculated using nominal OD and minimum wall plus 4% for use in estimating fluid flows. Actual ID will vary.
- Service factors should be utilized to compensate for the effect of substances other than water, and for other temperatures.
- Fusion equipment rental available for all sizes.
- Other piping sizes or DR's may be available upon request.
- HDPE piping meets ASTM F 714. HDPE pipe meeting ASTM D 2513 is available upon request.

Typical Sizes and Dimensions for Iron Pipe Size (IPS) PE3408 High Density Polyethylene (HDPE) Pipe

Pressure Rating		DR 17 (100psi)			DR 21 (80psi)			DR 26 (65psi)			DR 32.5 (50psi)		
Nominal Size	Actual O.D.	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf	Min. wall	Average I.D.	Weight lb/lf
2"	2.375"	0.140"	2.084"	0.429	---	---	---	---	---	---	---	---	---
3"	3.500"	0.206"	3.072"	0.932	---	---	---	---	---	---	---	---	---
4"	4.500"	0.265"	3.949"	1.540	0.214"	4.055"	1.262	0.173"	4.140"	1.030	0.138"	4.213"	0.831
5"	5.375"	0.316"	4.718"	2.197	0.256"	4.843"	1.801	0.207"	4.944"	1.470	0.165"	5.032"	1.186
5"	5.563"	0.327"	4.883"	2.353	0.265"	5.012"	1.929	0.214"	5.118"	1.574	0.171"	5.207"	1.270
6"	6.625"	0.390"	5.814"	3.338	0.315"	5.970"	2.736	0.255"	6.095"	2.233	0.204"	6.201"	1.801
7"	7.125"	0.419"	6.253"	3.860	0.339"	6.420"	3.165	0.274"	6.555"	2.582	0.219"	6.669"	2.083
8"	8.625"	0.507"	7.570"	5.657	0.411"	7.770"	4.637	0.332"	7.934"	3.784	0.265"	8.074"	3.053
10"	10.750"	0.632"	9.435"	8.788	0.512"	9.685"	7.204	0.413"	9.891"	5.878	0.331"	10.062"	4.742
12"	12.750"	0.750"	11.190"	12.362	0.607"	11.487"	10.134	0.490"	11.731"	8.269	0.392"	11.935"	6.671
14"	14.000"	0.824"	12.286"	14.905	0.667"	12.613"	12.218	0.538"	12.881"	9.970	0.431"	13.104"	8.044
16"	16.00"	0.941"	14.043"	19.467	0.762"	14.415"	15.959	0.615"	14.721"	13.022	0.492"	14.977"	10.506
18"	18.00"	1.059"	15.797"	24.638	0.857"	16.217"	20.198	0.692"	16.561"	16.480	0.544"	16.868"	13.296
20"	20.00"	1.176"	17.554"	30.418	0.952"	18.020"	24.936	0.769"	18.400"	20.346	0.615"	18.721"	16.415
22"	22.00"	1.294"	19.308"	36.805	1.048"	19.820"	30.172	0.846"	20.240"	24.619	0.677"	20.592"	19.863
24"	24.00"	1.412"	21.063"	43.801	1.143"	21.623"	35.907	0.923"	22.080"	29.299	0.738"	22.465"	23.638
26"	26.00"	1.529"	22.820"	51.406	1.238"	23.425"	42.141	1.000"	23.920"	34.385	0.800"	24.336"	27.742
28"	28.00"	1.647"	24.574"	59.618	1.333"	25.227"	48.874	1.077"	25.760"	39.879	0.862"	26.207"	32.174
30"	30.00"	1.765"	26.329"	68.439	1.429"	27.028"	56.105	1.154"	27.600"	45.779	0.923"	28.080"	36.934
32"	32.00"	1.882"	28.085"	77.869	1.524"	28.830"	63.835	1.231"	29.440"	52.086	0.985"	29.951"	42.023
36"	36.00"	2.118"	31.595"	98.553	1.714"	32.435"	80.791	1.385"	33.119"	65.922	1.108"	33.695"	53.186
42"	42.00"	2.471"	36.860"	134.141	2.000"	37.840"	109.966	1.615"	38.641"	89.727	1.292"	39.313"	72.392
48"	48.00"	2.824"	42.126"	175.205	2.286"	43.245"	143.629	1.846"	44.160"	117.194	1.477"	44.928"	94.552
52"	51.50"	---	---	---	2.452"	46.400"	165.339	1.981"	47.380"	134.908	1.585"	48.203"	108.844
54"	54.00"	---	---	---	2.571"	48.652"	181.781	2.077"	49.680"	148.324	1.662"	50.543"	119.668

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