

# WL102 – IPS PIPE SIZES AND PRESSURE CLASS



<b>PE4710</b>		<b>PC<sup>B</sup>, psi</b>	<b>335</b>	<b>320</b>	<b>250</b>	<b>200</b>	<b>160</b>	<b>150</b>	<b>140</b>	<b>125</b>	<b>110</b>	<b>100</b>	<b>80</b>	<b>65</b>
<b>IPS SIZE<sup>A</sup></b>	<b>AVG OD, in</b>	<b>DR</b>	<b>7</b>	<b>7.3</b>	<b>9</b>	<b>11</b>	<b>13.5</b>	<b>14.3</b>	<b>15.5</b>	<b>17</b>	<b>19</b>	<b>21</b>	<b>26</b>	<b>32.5</b>
3/4	1.050	Min wall, in	0.150	0.144	0.117	0.095								
		Avg ID <sup>C</sup> , in	0.732	0.745	0.803	0.848								
		Weight, lb/ft	0.187	0.177	0.148	0.124								
1	1.315	Min wall, in	0.188	0.180	0.146	0.120								
		Avg ID <sup>C</sup> , in	0.917	0.933	1.005	1.062								
		Weight, lb/ft	0.288	0.278	0.232	0.195								
1 1/4	1.660	Min wall, in	0.237	0.227	0.184	0.151								
		Avg ID <sup>C</sup> , in	1.157	1.178	1.269	1.340								
		Weight, lb/ft	0.459	0.442	0.369	0.310								
1 1/2	1.900	Min wall, in	0.271	0.260	0.211	0.173								
		Avg ID <sup>C</sup> , in	1.325	1.348	1.452	1.534								
		Weight, lb/ft	0.600	0.580	0.485	0.406								
2	2.375	Min wall, in	0.339	0.325	0.264	0.216	0.176	0.166	0.153	0.140				
		Avg ID <sup>C</sup> , in	1.656	1.685	1.816	1.917	2.002	2.023	2.050	2.079				
		Weight, lb/ft	0.939	0.906	0.758	0.634	0.526	0.499	0.462	0.425				
2 1/2	2.875	Min wall, in	0.411	0.394	0.319	0.261	0.213	0.201	0.185	0.169				
		Avg ID <sup>C</sup> , in	2.004	2.040	2.198	2.321	2.424	2.449	2.482	2.516				
		Weight, lb/ft	1.377	1.329	1.109	0.928	0.771	0.731	0.677	0.622				
3	3.500	Min wall, in	0.500	0.479	0.389	0.318	0.259	0.245	0.226	0.206	0.184	0.167		
		Avg ID <sup>C</sup> , in	2.440	2.484	2.676	2.825	2.950	2.981	3.021	3.064	3.109	3.147		
		Weight, lb/ft	2.040	1.968	1.646	1.376	1.141	1.084	1.006	0.923	0.830	0.757		
4	4.500	Min wall, in	0.643	0.616	0.500	0.409	0.333	0.315	0.290	0.265	0.237	0.214	0.173	0.138
		Avg ID <sup>C</sup> , in	3.137	3.193	3.440	3.633	3.793	3.833	3.885	3.939	3.998	4.046	4.133	4.206
		Weight, lb/ft	3.372	3.253	2.720	2.275	1.887	1.793	1.660	1.526	1.374	1.247	1.018	0.819
5	5.563	Min wall, in	0.795	0.762	0.618	0.506	0.412	0.389	0.359	0.327	0.293	0.265	0.214	0.171
		Avg ID <sup>C</sup> , in	3.878	3.947	4.253	4.491	4.689	4.738	4.802	4.869	4.942	5.001	5.109	5.200
		Weight, lb/ft	5.154	4.975	4.156	3.479	2.886	2.737	2.540	2.328	2.100	1.909	1.557	1.254
6	6.625	Min wall, in	0.946	0.908	0.736	0.602	0.491	0.463	0.427	0.390	0.349	0.315	0.255	0.204
		Avg ID <sup>C</sup> , in	4.619	4.701	5.064	5.348	5.585	5.643	5.719	5.799	5.886	5.956	6.085	6.193
		Weight, lb/ft	7.305	7.059	5.894	4.930	4.095	3.879	3.599	3.307	2.978	2.703	2.209	1.781
8	8.625	Min wall, in	1.232	1.182	0.958	0.784	0.639	0.603	0.556	0.507	0.454	0.411	0.332	0.265
		Avg ID <sup>C</sup> , in	6.013	6.120	6.593	6.963	7.271	7.346	7.445	7.549	7.663	7.754	7.922	8.062
		Weight, lb/ft	12.385	11.963	9.988	8.359	6.939	6.578	6.100	5.597	5.044	4.591	3.744	3.012
10	10.750	Min wall, in	1.536	1.473	1.194	0.977	0.796	0.752	0.694	0.632	0.566	0.512	0.413	0.331
		Avg ID <sup>C</sup> , in	7.494	7.628	8.218	8.678	9.062	9.156	9.280	9.409	9.551	9.665	9.873	10.049
		Weight, lb/ft	19.245	18.581	15.515	12.983	10.774	10.224	9.490	8.695	7.838	7.128	5.805	4.689
12	12.750	Min wall, in	1.821	1.747	1.417	1.159	0.944	0.892	0.823	0.750	0.671	0.607	0.490	0.392
		Avg ID <sup>C</sup> , in	8.889	9.047	9.747	10.293	10.748	10.860	11.006	11.160	11.327	11.463	11.710	11.918
		Weight, lb/ft	27.062	26.138	21.837	18.267	15.155	14.383	13.348	12.238	11.021	10.023	8.169	6.587
14	14.000	Min wall, in	2.000	1.918	1.556	1.273	1.037	0.979	0.903	0.824	0.737	0.667	0.538	0.431
		Avg ID <sup>C</sup> , in	9.760	9.934	10.702	11.302	11.801	11.925	12.085	12.254	12.438	12.587	12.858	13.087
		Weight, lb/ft	32.635	31.511	26.329	22.030	18.279	17.334	16.082	14.763	13.292	12.093	9.848	7.952

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<b>IPS SIZE<sup>A</sup></b>	<b>AVG OD, in</b>	<b>DR</b>	<b>7</b>	<b>7.3</b>	<b>9</b>	<b>11</b>	<b>13.5</b>	<b>14.3</b>	<b>15.5</b>	<b>17</b>	<b>19</b>	<b>21</b>	<b>26</b>	<b>32.5</b>
16	16.000	Min wall, in	2.286	2.192	1.778	1.455	1.185	1.119	1.032	0.941	0.842	0.762	0.615	0.492
		Avg ID <sup>C</sup> , in	11.154	11.353	12.231	12.916	13.487	13.628	13.812	14.005	14.215	14.385	14.695	14.956
		Weight, lb/ft	42.629	41.157	34.384	28.777	23.872	22.643	21.005	19.269	17.355	15.789	12.866	10.375
18	18.000	Min wall, in	2.571	2.466	2.000	1.636	1.333	1.259	1.161	1.059	0.947	0.857	0.692	0.554
		Avg ID <sup>C</sup> , in	12.549	12.773	13.760	14.531	15.173	15.332	15.538	15.755	15.992	16.183	16.532	16.826
		Weight, lb/ft	53.940	52.089	43.513	36.403	30.210	28.660	26.584	24.395	21.959	19.977	16.286	13.142
20	20.000	Min wall, in	2.857	2.740	2.222	1.818	1.481	1.399	1.290	1.176	1.053	0.952	0.769	0.615
		Avg ID <sup>C</sup> , in	13.943	14.192	15.289	16.145	16.859	17.035	17.265	17.506	17.768	17.981	18.369	18.695
		Weight, lb/ft	66.599	64.307	53.715	44.947	37.294	35.385	32.820	30.102	27.129	24.658	20.109	16.211
22	22.000	Min wall, in	3.143	3.014	2.444	2.000	1.630	1.538	1.419	1.294	1.158	1.048	0.846	0.677
		Avg ID <sup>C</sup> , in	15.337	15.611	16.818	17.760	18.545	18.739	18.991	19.256	19.545	19.779	20.206	20.565
		Weight, lb/ft	80.591	77.812	64.991	54.391	45.149	42.793	39.712	36.433	32.818	29.858	24.335	19.629
24	24.000	Min wall, in	3.429	3.288	2.667	2.182	1.778	1.678	1.548	1.412	1.263	1.143	0.923	0.738
		Avg ID <sup>C</sup> , in	16.731	17.030	18.347	19.375	20.231	20.442	20.717	21.007	21.322	21.577	22.043	22.434
		Weight, lb/ft	95.916	92.603	77.365	64.735	53.726	50.932	47.260	43.369	39.049	35.525	28.963	23.344
26	26.000	Min wall, in	3.714	3.562	2.889	2.364	1.926	1.818	1.677	1.529	1.368	1.238	1.000	0.800
		Avg ID <sup>C</sup> , in	18.126	18.449	19.876	20.989	21.917	22.146	22.444	22.758	23.099	23.375	23.880	24.304
		Weight, lb/ft	114.714	110.769	92.535	77.440	64.261	60.929	56.532	51.856	46.701	42.486	34.648	27.940
28	28.000	Min wall, in	4.000	3.836	3.111	2.545	2.074	1.958	1.806	1.647	1.474	1.333	1.077	0.862
		Avg ID <sup>C</sup> , in	19.520	19.868	21.404	22.604	23.603	23.849	24.170	24.508	24.876	25.173	25.717	26.174
		Weight, lb/ft	133.49	128.466	107.312	89.785	74.522	70.669	65.563	60.154	54.189	49.266	40.187	32.421
30	30.000	Min wall, in			3.333	2.727	2.222	2.098	1.935	1.765	1.579	1.429	1.154	0.923
		Avg ID <sup>C</sup> , in			22.933	24.218	25.289	25.552	25.897	26.259	26.653	26.971	27.554	28.043
		Weight, lb/ft			123.183	103.076	85.543	81.130	75.264	69.068	62.196	56.585	46.135	37.196
32	32.000	Min wall, in			3.556	2.909	2.370	2.238	2.065	1.882	1.684	1.524	1.231	0.985
		Avg ID <sup>C</sup> , in			24.462	25.833	26.975	27.256	27.623	28.009	28.429	28.770	29.391	29.913
		Weight, lb/ft			140.183	117.285	97.324	92.313	85.672	78.557	70.755	64.370	52.494	42.340
34	34.000	Min wall, in			3.778	3.091	2.519	2.378	2.194	2.000	1.789	1.619	1.308	1.046
		Avg ID <sup>C</sup> , in			25.991	27.447	28.661	28.959	29.350	29.760	30.206	30.568	31.228	31.782
		Weight, lb/ft			158.244	132.411	109.905	104.218	96.714	88.700	79.865	72.657	59.264	47.773
36	36.000	Min wall, in			4.000	3.273	2.667	2.517	2.323	2.118	1.895	1.714	1.385	1.108
		Avg ID <sup>C</sup> , in			27.520	29.062	30.347	30.663	31.076	31.511	31.983	32.366	33.065	33.652
		Weight, lb/ft			177.399	148.454	123.208	116.802	108.424	99.457	89.571	81.446	66.444	53.581
42	42.000	Min wall, in				3.818	3.111	2.937	2.710	2.471	2.211	2.000	1.615	1.292
		Avg ID <sup>C</sup> , in				33.906	35.404	35.773	36.255	36.762	37.314	37.760	38.575	39.260
		Weight, lb/ft				202.039	167.675	159.005	147.568	135.372	121.925	110.874	90.393	72.893
48	48.000	Min wall, in					3.556	3.357	3.097	2.824	2.526	2.286	1.846	1.477
		Avg ID <sup>C</sup> , in				40.461	40.883	41.435	42.014	42.644	43.154	44.086	44.869	
		Weight, lb/ft				219.036	207.705	192.774	176.813	159.198	144.833	118.082	95.233	
54	54.000	Min wall, in							3.484	3.176	2.842	2.571	2.077	1.662
		Avg ID <sup>C</sup> , in							46.614	47.266	47.975	48.549	49.597	50.478
		Weight, lb/ft							243.921	223.713	201.502	183.253	149.464	120.556

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