

SIZE (O.D.)	WEIGHT PER FT.	NOM. WALL.	DRIFT DIA.	ALT. DRIFT	5% NOM. WALL.	12-1/2% NOM. WALL.	87-1/2 RBW
4 1/2	9.50	.205	3.965	3.750	0.010	0.026	0.179
	10.50	.224	3.927		0.011	0.028	0.196
	11.00	.237	3.901		0.012	0.030	0.207
	11.60	.250	3.875		0.013	0.031	0.219
	12.60	.271	3.833		0.014	0.034	0.237
	13.50	.290	3.795		0.015	0.036	0.254
	15.10	.337	3.701		0.017	0.042	0.295
	16.60	.373	3.629		0.019	0.047	0.326
	18.80	.430	3.515		0.022	0.054	0.376
5	11.50	.220	4.435		0.011	0.028	0.193
	13.00	.253	4.369		0.013	0.032	0.221
	15.00	.296	4.283		0.015	0.037	0.259
	18.00	.362	4.151		0.018	0.045	0.317
	20.30	.408	4.059		0.020	0.051	0.357
	20.80	.422	4.031		0.021	0.053	0.369
	23.20	.478	3.919		0.024	0.060	0.418
	23.60	.478	3.919		0.024	0.060	0.418
	24.10	.500	3.875		0.025	0.063	0.438
5 1/2	14.00	.244	4.887		0.012	0.031	0.214
	15.50	.275	4.825		0.014	0.034	0.241
	17.00	.304	4.767		0.015	0.038	0.266
	20.00	.361	4.653		0.018	0.045	0.316
	23.00	.415	4.545		0.021	0.052	0.363
	26.00	.476	4.423		0.024	0.060	0.417
	26.80	.500	4.375		0.025	0.063	0.438
	28.40	.530	4.315		0.027	0.066	0.464
	32.30	.612	4.151		0.031	0.077	0.536
	36.40	.705	3.965		0.035	0.088	0.617
6 5/8	20.00	.288	5.924		0.014	0.036	0.252
	23.20	.330	5.840		0.017	0.041	0.289
	24.00	.352	5.796		0.018	0.044	0.308
	28.00	.417	5.666		0.021	0.052	0.365
	32.00	.475	5.550		0.024	0.059	0.416
7	17.00	.231	6.413	6.250	0.012	0.029	0.202
	20.00	.272	6.331		0.014	0.034	0.238
	23.00	.317	6.241		0.016	0.040	0.277
	26.00	.362	6.151		0.018	0.045	0.317
	29.00	.408	6.059		0.020	0.051	0.357
	32.00	.453	5.969		6.000	0.023	0.057
	35.00	.498	5.879	0.025		0.062	0.436
	38.00	.540	5.795	0.027		0.068	0.473
	41.00	.590	5.695	0.030		0.074	0.516
	42.70	.625	5.625	0.031		0.078	0.547
	44.00	.640	5.595	0.032		0.080	0.560
	49.50	.730	5.415	0.037	0.091	0.639	

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<b>7 5/8</b>	24.00	.300	6.900		0.015	0.038	0.263
	26.40	.328	6.844		0.016	0.041	0.287
	29.70	.375	6.750		0.019	0.047	0.328
	33.70	.430	6.640		0.022	0.054	0.376
	39.00	.500	6.500		0.025	0.063	0.438
	45.30	.595	6.310	6.500	0.030	0.074	0.521
	47.10	.625	6.250		0.031	0.078	0.547
<b>7 3/4</b>	46.10	.595	6.500		0.030	0.074	0.521
<b>8 5/8</b>	24.00	.264	7.972		0.013	0.033	0.231
	28.00	.304	7.892		0.015	0.038	0.266
	29.35	.322	7.856		0.016	0.040	0.282
	32.00	.352	7.796	7.875	0.018	0.044	0.308
	36.00	.400	7.700		0.020	0.050	0.350
	40.00	.450	7.600	7.625	0.023	0.056	0.394
	44.00	.500	7.500		0.025	0.063	0.438
	49.00	.557	7.386		0.028	0.070	0.487
	52.00	.595	7.310		0.030	0.074	0.521
<b>8 3/4</b>	49.50	.557	7.500		0.028	0.070	0.487
<b>9 5/8</b>	32.30	.312	8.845		0.016	0.039	0.273
	36.00	.352	8.765		0.018	0.044	0.308
	40.00	.395	8.679	8.750	0.020	0.049	0.346
	43.50	.435	8.599	8.625	0.022	0.054	0.381
	47.00	.472	8.525	8.625	0.024	0.059	0.413
	53.50	.545	8.379	8.500	0.027	0.068	0.477
	58.40	.595	8.279	8.375	0.030	0.074	0.521
	61.10	.625	8.219		0.031	0.078	0.547
<b>9 3/4</b>	59.20	.595	8.404	8.500	0.030	0.074	0.521
<b>9 7/8</b>	62.80	.625	8.469	8.500	0.031	0.078	0.547
<b>10 3/4</b>	32.75	.279	10.036		0.014	0.035	0.244
	40.50	.350	9.894		0.018	0.044	0.306
	45.50	.400	9.794	9.875	0.020	0.050	0.350
	51.00	.450	9.694		0.023	0.056	0.394
	55.50	.495	9.604	9.625	0.025	0.062	0.433
	60.70	.545	9.504		0.027	0.068	0.477
	65.70	.595	9.404	9.500	0.030	0.074	0.521
	71.10	.650	9.294		0.033	0.081	0.569
<b>11 3/4</b>	42.00	.333	10.928	11.000	0.017	0.042	0.291
	47.00	.375	10.844		0.019	0.047	0.328
	54.00	.435	10.724		0.022	0.054	0.381
	60.00	.489	10.616	10.625	0.024	0.061	0.428
	65.00	.534	10.526	10.625	0.027	0.067	0.467
	71.00	.582	10.430		0.029	0.73	0.509

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11 7/8	71.80	.582	10.555	10.625	0.029	0.073	0.509
13 3/8	48.00	.330	12.559		0.017	0.041	0.289
	54.50	.380	12.459		0.019	0.048	0.333
	61.00	.430	12.359		0.022	0.054	0.376
	68.00	.480	12.259		0.024	0.060	0.420
	72.00	.514	12.191	12.250	0.026	0.064	0.450
	77.00	.550	12.119		0.028	0.069	0.481
	80.70	.580	12.059		0.029	0.073	0.508
	85.00	.608	12.003		0.030	0.076	0.532
	86.00	.625	11.969	12.000	0.031	0.078	0.547
	92.00	.672	11.875		0.034	0.084	0.588
98.00	.719	11.781		0.036	0.090	0.629	
13 1/2	81.4	.580	12.184	12.250	0.029	0.073	0.507
13 5/8	88.2	.625	12.219	12.250	0.031	0.078	0.547
14	92.68	.650	12.544		0.033	0.081	0.569
	99.43	.700	12.444		0.035	0.088	0.613
	106.13	.750	12.344		0.038	0.094	0.656
	112.78	.800	12.244		0.040	0.100	0.700
	119.38	.850	12.144		0.043	0.106	0.744
16	65.00	.375	15.062		0.019	0.047	0.328
	75.00	.438	14.936		0.022	0.055	0.383
	84.00	.495	14.822		0.025	0.062	0.433
	97.00	.575	14.662	14.750	0.029	0.072	0.501
	109.00	.656	14.500		0.033	0.082	0.574
18 5/8	87.50	.435	17.567		0.022	0.054	0.381
	99.50	.500	17.437	17.500	0.025	0.063	0.438
	101.00	.510	17.417	17.500	0.026	0.064	0.446
20	94.00	.438	18.936		0.022	0.055	0.381
	106.50	.500	18.812		0.025	0.063	0.438
	133.00	.635	18.542		0.032	0.079	0.556
	169.00	.812	18.188		0.041	0.102	0.711