

WROUGHT IRON WELDED STEAM, GAS, AND WATER PIPE
TABLE OF STANDARD DIMENSIONS

Diameter			Thick- ness	Circumference		Transverse Areas			Length of Pipe per Sq. Ft. of		Length of Pipe Contain- ing One Cu. Ft.	Nomi- nal Weight per Foot	No. of Threads per Inch of Screw	Tap Drill
Nominal Internal	Actual			Inter- nal	Inter- nal	Exter- nal	Inter- nal	Metal	Exter- nal Surface	Inter- nal Surface				
	Inches	Inches									Inches	Inches	Sq. In.	Sq. In.
1/8	0.405	0.27	0.068	1.272	0.848	0.129	0.0573	0.0717	9.44	14.15	2513	0.241	27	H
1/4	0.54	0.364	0.088	1.696	1.144	0.229	0.1041	0.1249	7.075	10.49	1383.3	0.42	18	H
3/8	0.675	0.494	0.091	2.121	1.552	0.358	0.1917	0.1663	5.657	7.73	751.2	0.559	18	H
1/2	0.84	0.623	0.109	2.639	1.957	0.554	0.3048	0.2492	4.547	6.13	472.4	0.837	14	H
3/4	1.05	0.824	0.113	3.299	2.589	0.866	0.5333	0.3327	3.637	4.635	270	1.115	14	H
1	1.315	1.048	0.134	4.131	3.292	1.358	0.8626	0.4954	2.904	3.645	166.9	1.668	11 1/2	H
1 1/4	1.66	1.38	0.14	5.215	4.335	2.164	1.496	0.668	2.301	2.768	96.25	2.244	11 1/2	H
1 1/2	1.9	1.611	0.145	5.969	5.061	2.835	2.038	0.797	2.01	2.371	70.66	2.678	11 1/2	H
2	2.375	2.067	0.154	7.461	6.494	4.43	3.356	1.074	1.608	1.848	42.91	3.609	11 1/2	2 1/2
2 1/2	2.875	2.468	0.204	9.032	7.753	6.492	4.784	1.708	1.328	1.547	30.1	5.739	8	2 1/2
3	3.5	3.067	0.217	10.996	9.636	9.621	7.388	2.243	1.091	1.245	19.5	7.536	8	3 1/2
3 1/2	4.	3.548	0.226	12.566	11.146	12.566	9.887	2.679	0.955	1.077	14.57	9.001	8	3 1/2
4	4.5	4.026	0.237	14.137	12.648	15.904	12.73	3.174	0.849	0.949	11.31	10.665	8	4 1/2
4 1/2	5.	4.508	0.246	15.708	14.162	19.635	15.961	3.674	0.764	0.848	9.02	12.34	8	4 1/2
5	5.563	5.045	0.259	17.477	15.849	24.306	19.99	4.316	0.687	0.757	7.2	14.502	8	5
6	6.625	6.065	0.28	20.813	19.054	34.472	28.888	5.584	0.577	0.63	4.98	18.762	8	6
7	7.625	7.023	0.301	23.955	22.063	45.664	38.738	6.926	0.501	0.544	3.72	23.271	8	7
8	8.625	7.982	0.322	27.096	25.076	58.426	50.04	8.386	0.443	0.478	2.88	28.177	8	8
9	9.625	8.937	0.344	30.238	28.076	72.76	62.73	10.03	0.397	0.427	2.29	33.701	8	9
10	10.75	10.019	0.366	33.772	31.477	90.763	78.839	11.924	0.355	0.382	1.82	40.065	8	10

CIRCUMFERENCE AND AREAS OF CIRCLES

Dia.	Circum-ference	Area	Dia.	Circum-ference	Area	Dia.	Circum-ference	Area
$\frac{1}{8}$	.3927	0.0123	16	50.265	201.06	54	169.646	2290.2
$\frac{1}{4}$	.7854	0.0491	$\frac{1}{2}$	51.836	213.82	55	172.788	2375.8
$\frac{3}{8}$	1.1781	0.1104	17	53.407	226.98	56	175.929	2463.0
$\frac{1}{2}$	1.5708	0.1963	$\frac{3}{4}$	54.978	240.52	57	179.071	2551.7
$\frac{5}{8}$	1.9635	0.3067	18	56.549	254.46	58	182.212	2642.0
$\frac{3}{4}$	2.3562	0.4417	$\frac{1}{2}$	58.119	268.80	59	185.354	2733.9
$\frac{7}{8}$	2.7489	0.6013	19	59.690	283.52	60	188.496	2827.4
1	3.1416	0.7854	$\frac{3}{4}$	61.261	298.64	61	191.637	2922.4
$\frac{1}{8}$	3.5343	0.9940	20	62.832	314.16	62	194.779	3019.0
$\frac{1}{4}$	3.9270	1.227	$\frac{1}{2}$	64.403	330.06	63	197.920	3117.2
$\frac{3}{8}$	4.3197	1.484	21	65.973	346.36	64	201.062	3216.9
$\frac{1}{2}$	4.7124	1.767	$\frac{3}{4}$	67.544	363.05	65	204.204	3318.3
$\frac{5}{8}$	5.1051	2.073	22	69.115	380.13	66	207.345	3421.2
$\frac{3}{4}$	5.4978	2.405	$\frac{1}{2}$	70.686	397.60	67	210.487	3525.6
$\frac{7}{8}$	5.8905	2.761	23	72.257	415.47	68	213.628	3631.6
2	6.2832	3.141	$\frac{3}{4}$	73.827	433.73	69	216.770	3739.2
$\frac{1}{8}$	6.686	3.976	24	75.398	452.39	70	219.911	3848.4
$\frac{1}{4}$	7.0894	4.908	$\frac{1}{2}$	76.969	471.43	71	223.053	3959.2
$\frac{3}{8}$	7.4921	5.939	25	78.540	490.87	72	226.195	4071.5
$\frac{1}{2}$	7.8948	7.068	26	80.111	510.61	73	229.336	4185.3
$\frac{5}{8}$	8.2975	8.295	27	81.682	530.93	74	232.478	4300.8
$\frac{3}{4}$	8.6999	9.621	28	83.253	551.75	75	235.619	4417.8
$\frac{7}{8}$	9.1024	11.044	29	84.823	572.55	76	238.761	4536.4
3	9.5048	12.566	30	86.394	593.87	77	241.903	4656.0
$\frac{1}{8}$	9.9072	14.137	$\frac{1}{2}$	87.965	615.75	78	245.044	4778.3
$\frac{1}{4}$	10.3096	15.708	31	89.536	638.17	79	248.186	4901.6
$\frac{3}{8}$	10.7120	17.279	32	91.106	660.52	80	251.327	5026.5
$\frac{1}{2}$	11.1144	18.850	33	92.677	683.41	81	254.469	5153.0
$\frac{5}{8}$	11.5168	20.420	34	94.248	706.86	82	257.611	5281.0
$\frac{3}{4}$	11.9192	22.063	35	95.819	730.87	83	260.752	5410.6
$\frac{7}{8}$	12.3216	23.788	36	97.390	755.44	84	263.894	5541.7
4	12.7240	25.569	37	98.961	780.57	85	267.035	5674.5
$\frac{1}{8}$	13.1264	27.400	38	100.532	806.26	86	270.177	5808.8
$\frac{1}{4}$	13.5288	29.271	39	102.103	832.51	87	273.319	5944.6
$\frac{3}{8}$	13.9312	31.192	40	103.674	859.22	88	276.460	6082.1
$\frac{1}{2}$	14.3336	33.163	41	105.245	886.49	89	279.602	6221.1
$\frac{5}{8}$	14.7360	35.184	42	106.816	914.32	90	282.743	6361.7
$\frac{3}{4}$	15.1384	37.255	43	108.387	942.71	91	285.885	6503.8
$\frac{7}{8}$	15.5408	39.376	44	109.958	971.66	92	289.027	6647.6
5	15.9432	41.547	45	111.529	1001.17	93	292.168	6792.9
$\frac{1}{8}$	16.3456	43.768	46	113.100	1031.24	94	295.310	6939.7
$\frac{1}{4}$	16.7480	46.039	47	114.671	1061.87	95	298.451	7088.2
$\frac{3}{8}$	17.1504	48.360	48	116.242	1093.06	96	301.593	7238.2
$\frac{1}{2}$	17.5528	50.731	49	117.813	1124.81	97	304.734	7389.8
$\frac{5}{8}$	17.9552	53.152	50	119.384	1157.12	98	307.876	7542.9
$\frac{3}{4}$	18.3576	55.623	51	120.955	1190.00	99	311.018	7697.7
$\frac{7}{8}$	18.7600	58.144	52	122.526	1223.45			
6	19.1624	60.715	53	124.097	1257.47			