

# ENGINEERING INFORMATION - CIRCUMFERENCES AND AREAS OF CIRCLES

## Measurements in inches

Dia.	Circum.	Area	Dia.	Circum.	Area	Dia.	Circum.	Area	Dia.	Circum.	Area
1/64	.04909	.00019	3/4	11.781	11.045	1/4	38.485	117.86	1/2	98.960	779.31
1/32	.09818	.00077	13/16	11.977	11.416	1/2	39.270	122.72	3/4	99.746	791.73
3/64	.14726	.00173	7/8	12.174	11.793	3/4	40.055	127.68	<b>32</b>	100.531	804.25
1/16	.19635	.00307	15/16	12.370	12.177	<b>13</b>	40.841	132.73	1/4	101.316	816.86
3/32	.29452	.00690	<b>4</b>	12.566	12.566	1/4	41.626	137.89	1/2	102.102	829.58
1/8	.39270	.01227	1/16	12.763	12.962	1/2	42.412	143.14	3/4	102.887	842.39
5/32	.49087	.01917	1/8	12.959	13.364	3/4	43.197	148.49	<b>33</b>	103.673	855.30
3/16	.58905	.02761	3/16	13.155	13.772	<b>14</b>	43.982	153.94	1/4	104.458	868.31
7/32	.68722	.03758	1/4	13.352	14.186	1/4	44.768	159.48	1/2	105.243	881.41
1/4	.78540	.04909	5/16	13.548	14.607	1/2	45.553	165.13	3/4	106.029	894.62
9/32	.88357	.06213	3/8	13.744	15.033	3/4	46.338	170.87	<b>34</b>	106.814	907.92
5/16	.98175	.07670	7/16	13.941	15.466	<b>15</b>	47.124	176.71	1/4	107.600	921.32
11/32	1.07990	.09281	1/2	14.137	15.904	1/4	47.909	182.65	1/2	108.385	934.82
3/8	1.17810	.11045	9/16	14.334	16.349	1/2	48.695	188.69	3/4	109.170	948.42
13/32	1.27630	.12962	5/8	14.530	16.800	3/4	49.480	194.83	<b>35</b>	109.956	962.11
7/16	1.37440	.15033	11/16	14.726	17.257	<b>16</b>	50.265	201.06	1/4	110.741	975.91
15/32	1.47260	.17257	3/4	14.923	17.721	1/4	51.051	207.39	1/2	111.527	989.80
1/2	1.57080	.19635	13/16	15.119	18.190	1/2	51.836	213.82	3/4	112.312	1003.8
17/32	1.66900	.22166	7/8	15.315	18.665	3/4	52.622	220.35	<b>36</b>	113.097	1017.9
9/16	1.76710	.24850	15/16	15.512	19.147	<b>17</b>	53.407	226.98	1/4	113.883	1032.1
19/32	1.86530	.27688	<b>5</b>	15.708	19.635	1/4	54.192	233.71	1/2	114.668	1046.3
5/8	1.96350	.30680	1/16	15.904	20.129	1/2	54.978	240.53	3/4	115.454	1060.7
21/32	2.06170	.33824	1/8	16.101	20.629	3/4	55.763	247.45	<b>37</b>	116.239	1075.2
11/16	2.15980	.37122	3/16	16.297	21.135	<b>18</b>	56.549	254.47	1/4	117.024	1089.8
23/32	2.25800	.40574	1/4	16.493	21.648	1/4	57.334	261.59	1/2	117.810	1104.5
3/4	2.35620	.44179	5/16	16.690	22.166	1/2	58.119	268.80	3/4	118.596	1119.2
25/32	2.45440	.47937	3/8	16.886	22.691	3/4	58.905	276.12	<b>38</b>	119.381	1134.1
13/16	2.55250	.51849	7/16	17.082	23.221	<b>19</b>	59.690	283.53	1/4	120.166	1149.1
27/32	2.65070	.55914	1/2	17.279	23.758	1/4	60.476	291.04	1/2	120.951	1164.2
7/8	2.74890	.60132	9/16	17.475	24.301	1/2	61.261	298.65	3/4	121.737	1179.3
29/32	2.84710	.64504	5/8	17.671	24.850	3/4	62.046	306.35	<b>39</b>	122.522	1194.6
15/16	2.94520	.69029	11/16	17.868	25.406	<b>20</b>	62.832	314.16	1/4	123.308	1210.0
31/32	3.04340	.73708	3/4	18.064	25.967	1/4	63.617	322.06	1/2	124.093	1225.4
<b>1</b>	3.14160	.78540	13/16	18.261	26.535	1/2	64.403	330.06	3/4	124.878	1241.0
1/16	3.33790	.88660	7/8	18.457	27.109	3/4	65.188	338.16	<b>40</b>	125.664	1256.6
1/8	3.53430	.99400	15/16	18.653	27.688	<b>21</b>	65.973	346.36	1/4	126.449	1272.4
3/16	3.73060	1.10750	<b>6</b>	18.850	28.274	1/4	66.759	354.66	1/2	127.235	1288.2
1/4	3.92700	1.22720	1/8	19.242	29.465	1/2	67.544	363.05	3/4	128.020	1304.2
5/16	4.12330	1.35300	1/4	19.635	30.680	3/4	68.330	371.54	<b>41</b>	128.805	1320.3
3/8	4.31970	1.48490	3/8	20.028	31.919	<b>22</b>	69.115	380.13	1/4	129.591	1336.4
7/16	4.51600	1.62300	1/2	20.420	33.183	1/4	69.900	388.82	1/2	130.376	1352.7
1/2	4.71240	1.76710	5/8	20.813	34.472	1/2	70.686	397.61	3/4	131.161	1369.0
9/16	4.90870	1.91750	3/4	21.206	35.785	3/4	71.471	406.49	<b>42</b>	131.947	1385.4
5/8	5.10510	2.07390	7/8	21.598	37.122	<b>23</b>	72.257	415.48	1/4	132.732	1402.0
11/16	5.30140	2.23650	<b>7</b>	21.991	38.485	1/4	73.042	424.56	1/2	133.518	1418.6
3/4	5.49780	2.40530	1/8	22.384	39.871	1/2	73.827	433.74	3/4	134.303	1435.4
13/16	5.69410	2.58020	1/4	22.776	41.282	3/4	74.613	443.01	<b>43</b>	135.088	1452.2
7/8	5.89050	2.76120	3/8	23.169	42.718	<b>24</b>	75.398	452.39	1/4	135.874	1469.1
15/16	6.08680	2.94830	1/2	23.562	44.179	1/4	76.184	461.86	1/2	136.659	1486.2
<b>2</b>	6.28320	3.14160	5/8	23.955	45.664	1/2	76.969	471.44	3/4	137.445	1503.3
1/16	6.47950	3.34100	3/4	24.347	47.173	3/4	77.754	481.11	<b>44</b>	138.230	1520.5
1/8	6.67590	3.54660	7/8	24.740	48.707	<b>25</b>	78.540	490.87	1/4	139.015	1537.9
3/16	6.87220	3.75830	<b>8</b>	25.133	50.265	1/4	79.325	500.74	1/2	139.801	1555.3
1/4	7.06860	3.97610	1/8	25.525	51.849	1/2	80.111	510.71	3/4	140.586	1572.8
5/16	7.26490	4.20000	1/4	25.918	53.456	3/4	80.896	520.77	<b>45</b>	141.372	1590.4
3/8	7.46130	4.43010	3/8	26.311	55.088	<b>26</b>	81.681	530.93	1/4	142.157	1608.2
7/16	7.65760	4.66640	1/2	26.704	56.745	1/4	82.467	541.19	1/2	142.942	1626.0
1/2	7.85400	4.90870	5/8	27.096	58.426	1/2	83.252	551.55	3/4	143.728	1643.9
9/16	8.05030	5.15720	3/4	27.489	60.132	3/4	84.038	562.00	<b>46</b>	144.513	1661.9
5/8	8.24670	5.41190	7/8	27.882	61.862	<b>27</b>	84.823	572.56	1/4	145.299	1680.0
11/16	8.44300	5.67270	<b>9</b>	28.274	63.617	1/4	85.608	583.21	1/2	146.084	1698.2
3/4	8.63940	5.93960	1/8	28.667	65.397	1/2	86.394	593.96	3/4	146.869	1716.5
13/16	8.83570	6.21260	1/4	29.060	67.201	3/4	87.179	604.81	<b>47</b>	147.655	1734.9
7/8	9.03210	6.49180	3/8	29.452	69.029	<b>28</b>	87.965	615.75	1/4	148.440	1753.5
15/16	9.22840	6.77710	1/2	29.845	70.882	1/4	88.750	626.80	1/2	149.226	1772.1
<b>3</b>	9.42480	7.06860	5/8	30.238	72.760	1/2	89.535	637.94	3/4	150.011	1790.8
1/16	9.62110	7.36620	3/4	30.631	74.662	3/4	90.321	649.18	<b>48</b>	150.796	1809.6
1/8	9.81750	7.66990	7/8	31.023	76.589	<b>29</b>	91.106	660.52	1/4	151.582	1828.5
3/16	10.01400	7.97980	<b>10</b>	31.416	78.540	1/4	91.892	671.96	1/2	152.367	1847.5
1/4	10.21000	8.29580	1/4	32.201	82.516	1/2	92.677	683.49	3/4	153.153	1866.5
5/16	10.40700	8.61790	1/2	32.987	86.590	3/4	93.462	695.13	<b>49</b>	153.938	1885.7
3/8	10.60300	8.94620	3/4	33.772	90.763	<b>30</b>	94.248	706.86	1/4	154.723	1905.0
7/16	10.79900	9.28060	<b>11</b>	34.558	95.033	1/4	95.033	718.69	1/2	155.509	1924.4
1/2	10.99600	9.62110	1/4	35.343	99.402	1/2	95.819	730.62	3/4	156.294	1943.9
9/16	11.19200	9.96780	1/2	36.128	103.870	3/4	96.604	742.64	<b>50</b>	157.080	1963.5