

# USEFUL DATA

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**To find circumference** of a circle, multiply diameter by 3.1416.

**To find diameter** of a circle, multiply circumference by .31831.

**To find area** of a circle, multiply square of diameter by .7854.

**Area of a rectangle** = length multiplied by breadth. Doubling the diameter of a circle increases its area four times.

**To find area of a triangle**, multiply base by 1/2 perpendicular height.

**Area of ellipse** = product of both diameters times .7854.

**Area of parallelogram** = base times altitude.

**To find side of an inscribed square**, multiply diameter by 0.7071 or multiply circumference by 0.2251 or divide circumference by 4.4428.

**Side of inscribed cube** = radius of sphere times 1.1547.

**To find side of an equal square**, multiply diameter by .8862 Square. A side multiplied by 1.4142 equals diameter of its circumscribing circle.

A side multiplied by 4.443 equals **circumference of its circumscribing circle**.

A side multiplied by 1.128 equals **diameter of an equal circle**.

A side multiplied by 3.547 equals **circumference of an equal circle**.

**To find cubic inches in a ball**, multiply cube of diameter by .5236.

**To find cubic contents of a cone**, multiply area of base by 1/3 the altitude.

**Surface of frustum of cone or pyramid** = sum of circumference of both ends times 1/2 slant height plus area of both ends.

**Contents of frustum of cone or pyramid** = multiply area of two ends and get square root. Add the 2 areas and multiply 1/3 altitude.

**Doubling the diameter of a pipe** increases its capacity four times.

**A gallon of water** (U.S. standard) weighs 8-1/3 lbs. and contains 231 cubic inches.








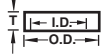
**A cubic foot of water** contains 7-1/2 gallons, 1728 cubic inches, and weighs 62 1/2 lbs.

To find the **pressure in pounds per square inch of a column of water**, multiply the height of the column in feet by .434.

**To find capacity of tanks** any size, given dimensions of a cylinder in inches, to find its capacity in U.S. gallons: square the diameter, multiply by the length and by .0034.

# Weight Formulas

Steel weights are based on 2836 lbs. per cubic inch, aluminum on .0979 lbs. per cubic inch (If 100 alloy). Use conversion factors to convert steel weights to other metals.

Lbs. Per Lineal Foot	Conversion Factors	
	Multiply Steel Weight by	Density Lbs./In. <sup>3</sup>
<b>ROUNDS</b> Steel: $2.6729 \times D^2$  Aluminum: $.924 \times D^2$ D = Size, Inches	Aluminum 1100 .3462 .098 2011 .3604 .102 2014 .3568 .101 2017 .3568 .101 2024 .3533 .100 3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>SQUARES</b> Steel: $3.4032 \times D^2$  Aluminum: $1.18 \times D^2$ D = Size, Inches	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>HEXAGONS</b> Steel: $2.9473 \times D^2$  Aluminum: $1.02 \times D^2$ D = Size, Inches	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>OCTAGONS</b> Steel: $2.8193 \times D^2$  Aluminum: $.974 \times D^2$ D = Size, Inches	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>FLATS</b> Steel: $3.4032 \times T \times W$  Aluminum: $1.18 \times T \times W$ T = Thickness, In. W = Width, Inches	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>TUBING</b> Steel: $10.68 \times (OD - W) \times W$  Aluminum: $3.70 \times (OD - W) \times W$ OD = OD, Inches W = Wall, Inches	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>CIRCLES</b> Steel: $.22274 \times T \times D^2$  Aluminum: $.077 \times T \times D^2$ D = Diameter, In. T = Thickness, In.	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
<b>RINGS</b> Steel: $.22274 \times T \times (OD^2 - ID^2)$  Aluminum: $.077 \times T \times (OD^2 - ID^2)$ OD = OD, Inches ID = ID, Inches T = Thickness, In.	3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7075 .3568 .101 7178 .3604 .102	
	Stainless 300 Series 1.010 .286 400 Series 1.000 .283 Nickel 200 1.132 .321 201 1.132 .321 400 1.125 .319 600 1.072 .304 625 1.075 .305 718 1.047 .297 X750 1.051 .298 800 1.012 .287 800H 1.012 .287 825 1.037 .294 904L 1.026 .291 Hastelloy® C-276 1.132 .321 B-2 1.174 .333 C-4 1.100 .312 G-3 1.058 .300 Magnesium .229 .065 Beryllium .236 .067 Titanium .575 .163 Zirconium .812 .230 Cast Iron .911 .258 Zinc .911 .258 Brass 1.084 .307 Columbium 1.095 .310 Copper 1.144 .324 Molybdenum 1.303 .369 Silver 1.339 .379 Lead 1.448 .410 Tantalum 2.120 .600 Tungsten 2.462 .697 Gold 2.466 .698	

# Circumference and Area of Circles

Dia. in Inches	Circum. in Ft.	In.	Area Sq. Ft.	Dia. in Inches	Circum. in Ft.	In.	Area Sq. Ft.
1/16		13/16		6	1	6 <sup>13/16</sup>	.1964
1/8		25/64		6 <sup>1/8</sup>	1	7 <sup>3/16</sup>	.2046
3/16		19/32		6 <sup>1/4</sup>	1	7 <sup>5/8</sup>	.2131
1/4		25/32		6 <sup>3/8</sup>	1	8	.2217
5/16		63/64		6 <sup>1/2</sup>	1	8 <sup>3/8</sup>	.2304
3/8		11/64		6 <sup>5/8</sup>	1	8 <sup>3/4</sup>	.2394
7/16		1 <sup>3/8</sup>		6 <sup>3/4</sup>	1	9 <sup>3/16</sup>	.2485
				6 <sup>7/8</sup>	1	9 <sup>9/16</sup>	.2578
1/2		1 <sup>37/64</sup>		7	1	9 <sup>15/16</sup>	.2673
9/16		1 <sup>49/64</sup>		7 <sup>1/8</sup>	1	10 <sup>3/8</sup>	.2763
5/8		1 <sup>15/16</sup>		7 <sup>1/4</sup>	1	10 <sup>3/4</sup>	.2867
11/16		2 <sup>5/32</sup>		7 <sup>3/8</sup>	1	11 <sup>1/8</sup>	.2966
3/4		2 <sup>23/64</sup>		7 <sup>1/2</sup>	1	11 <sup>1/2</sup>	.3068
13/16		2 <sup>35/64</sup>		7 <sup>5/8</sup>	1	11 <sup>15/16</sup>	.3164
7/8		2 <sup>3/4</sup>		7 <sup>3/4</sup>	2	5 <sup>5/16</sup>	.3275
15/16		2 <sup>15/16</sup>		7 <sup>7/8</sup>	2	11/16	.3382
1		3 <sup>9/64</sup>	.0055	8	2	1 <sup>1/8</sup>	.3491
1 <sup>1/8</sup>		3 <sup>1/2</sup>	.0069	8 <sup>1/8</sup>	2	1 <sup>1/2</sup>	.3601
1 <sup>1/4</sup>		3 <sup>7/8</sup>	.0085	8 <sup>1/4</sup>	2	1 <sup>7/8</sup>	.3712
1 <sup>3/8</sup>		4 <sup>5/16</sup>	.0103	8 <sup>3/8</sup>	2	2 <sup>1/4</sup>	.3826
1 <sup>1/2</sup>		4 <sup>11/16</sup>	.0123	8 <sup>1/2</sup>	2	2 <sup>11/16</sup>	.3941
1 <sup>5/8</sup>		5 <sup>1/16</sup>	.0144	8 <sup>5/8</sup>	2	3 <sup>1/8</sup>	.4057
1 <sup>3/4</sup>		5 <sup>7/16</sup>	.0167	8 <sup>3/4</sup>	2	3 <sup>7/16</sup>	.4176
1 <sup>7/8</sup>		5 <sup>7/8</sup>	.0192	8 <sup>7/8</sup>	2	3 <sup>7/8</sup>	.4296
2		6 <sup>1/4</sup>	.0218	9	2	4 <sup>1/4</sup>	.4418
2 <sup>1/8</sup>		6 <sup>5/8</sup>	.0246	9 <sup>1/8</sup>	2	4 <sup>5/8</sup>	.4541
2 <sup>1/4</sup>		7	.0276	9 <sup>1/4</sup>	2	5	.4667
2 <sup>3/8</sup>		7 <sup>7/16</sup>	.0308	9 <sup>3/8</sup>	2	5 <sup>7/16</sup>	.4794
2 <sup>1/2</sup>		7 <sup>13/16</sup>	.0341	9 <sup>1/2</sup>	2	5 <sup>13/16</sup>	.4922
2 <sup>5/8</sup>		8 <sup>3/16</sup>	.0376	9 <sup>5/8</sup>	2	6 <sup>3/16</sup>	.5053
2 <sup>3/4</sup>		8 <sup>5/8</sup>	.0412	9 <sup>3/4</sup>	2	5 <sup>5/8</sup>	.5185
2 <sup>7/8</sup>		9	.0451	9 <sup>7/8</sup>	2	7	.5319
3		9 <sup>3/8</sup>	.0491	10	2	7 <sup>3/8</sup>	.5454
3 <sup>1/8</sup>		9 <sup>13/16</sup>	.0533	10 <sup>1/8</sup>	2	7 <sup>3/4</sup>	.5591
3 <sup>1/4</sup>		10 <sup>3/16</sup>	.0576	10 <sup>1/4</sup>	2	8 <sup>3/16</sup>	.5730
3 <sup>3/8</sup>		10 <sup>3/16</sup>	.0621	10 <sup>3/8</sup>	2	8 <sup>9/16</sup>	.5871
3 <sup>1/2</sup>		10 <sup>15/16</sup>	.0668	10 <sup>1/2</sup>	2	8 <sup>7/16</sup>	.6013
3 <sup>5/8</sup>		11 <sup>3/8</sup>	.0717	10 <sup>5/8</sup>	2	9 <sup>3/8</sup>	.6157
3 <sup>3/4</sup>		11 <sup>3/4</sup>	.0767	10 <sup>3/4</sup>	2	9 <sup>3/4</sup>	.6303
3 <sup>7/8</sup>	1	1 <sup>1/8</sup>	.0819	10 <sup>7/8</sup>	2	10 <sup>1/8</sup>	.6450
4	1	9/16		11	2	10 <sup>1/2</sup>	.6600
4 <sup>1/8</sup>	1	15/16	.0873	11 <sup>1/8</sup>	2	10 <sup>15/16</sup>	.6750
4 <sup>1/4</sup>	1	1 <sup>5/16</sup>	.0928	11 <sup>1/4</sup>	2	11 <sup>5/16</sup>	.6902
4 <sup>3/8</sup>	1	1 <sup>11/16</sup>	.0985	11 <sup>3/8</sup>	2	11 <sup>11/16</sup>	.7057
4 <sup>1/2</sup>	1	2 <sup>1/8</sup>	.1044	11 <sup>1/2</sup>	3	1 <sup>1/8</sup>	.7213
4 <sup>5/8</sup>	1	2 <sup>1/2</sup>	.1104	11 <sup>5/8</sup>	3	1 <sup>1/2</sup>	.7371
4 <sup>3/4</sup>	1	2 <sup>7/8</sup>	.1167	11 <sup>3/4</sup>	3	7/8	.7530
4 <sup>7/8</sup>	1	3 <sup>5/16</sup>	.1230	11 <sup>7/8</sup>	3	1 <sup>1/4</sup>	.7690
		3 <sup>11/16</sup>	.1297				
5	1	4 <sup>1/16</sup>	.1364	12	3	1 <sup>11/16</sup>	.7354
5 <sup>1/8</sup>	1	4 <sup>7/16</sup>	.1433	12 <sup>1/8</sup>	3	2 <sup>1/16</sup>	.8019
5 <sup>1/4</sup>	1	4 <sup>7/8</sup>	.1503	12 <sup>1/4</sup>	3	2 <sup>7/16</sup>	.8185
5 <sup>3/8</sup>	1	5 <sup>1/4</sup>	.1575	12 <sup>3/8</sup>	3	2 <sup>7/8</sup>	.8353
5 <sup>1/2</sup>	1	5 <sup>5/8</sup>	.1650	12 <sup>1/2</sup>	3	3 <sup>1/4</sup>	.8523
5 <sup>5/8</sup>	1	6	.1726	12 <sup>5/8</sup>	3	3 <sup>5/8</sup>	.8694
5 <sup>3/4</sup>	1	6 <sup>7/16</sup>	.1803	12 <sup>3/4</sup>	3	4	.8867
5 <sup>7/8</sup>	1		.1883	12 <sup>7/8</sup>	3	4 <sup>7/16</sup>	.9041

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3/8		11/64		6 <sup>5/8</sup>	1	8 <sup>3/4</sup>	.2394
7/16		1 <sup>3/8</sup>		6 <sup>3/4</sup>	1	9 <sup>3/16</sup>	.2485
				6 <sup>7/8</sup>	1	9 <sup>9/16</sup>	.2578
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9/16		1 <sup>49/64</sup>		7 <sup>1/8</sup>	1	10 <sup>3/8</sup>	.2763
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11/16		2 <sup>5/32</sup>		7 <sup>3/8</sup>	1	11 <sup>1/8</sup>	.2966
3/4		2 <sup>23/64</sup>		7 <sup>1/2</sup>	1	11 <sup>1/2</sup>	.3068
13/16		2 <sup>35/64</sup>		7 <sup>5/8</sup>	1	11 <sup>15/16</sup>	.3164
7/8		2 <sup>3/4</sup>		7 <sup>3/4</sup>	2	5 <sup>1/6</sup>	.3275
15/16		2 <sup>15/16</sup>		7 <sup>7/8</sup>	2	11/16	.3382
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1 <sup>1/8</sup>		3 <sup>1/2</sup>	.0069	8 <sup>1/8</sup>	2	1 <sup>1/2</sup>	.3601
1 <sup>1/4</sup>		3 <sup>7/8</sup>	.0085	8 <sup>1/4</sup>	2	1 <sup>7/8</sup>	.3712
1 <sup>3/8</sup>		4 <sup>5/16</sup>	.0103	8 <sup>3/8</sup>	2	2 <sup>1/4</sup>	.3826
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1 <sup>5/8</sup>		5 <sup>1/16</sup>	.0144	8 <sup>5/8</sup>	2	3 <sup>1/8</sup>	.4057
1 <sup>3/4</sup>		5 <sup>7/16</sup>	.0167	8 <sup>3/4</sup>	2	3 <sup>7/16</sup>	.4176
1 <sup>7/8</sup>		5 <sup>7/8</sup>	.0192	8 <sup>7/8</sup>	2	3 <sup>7/8</sup>	.4296
2		6 <sup>1/4</sup>	.0218	9	2	4 <sup>1/4</sup>	.4418
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2 <sup>1/2</sup>		7 <sup>13/16</sup>	.0341	9 <sup>1/2</sup>	2	5 <sup>13/16</sup>	.4922
2 <sup>5/8</sup>		8 <sup>3/16</sup>	.0376	9 <sup>5/8</sup>	2	6 <sup>3/16</sup>	.5053
2 <sup>3/4</sup>		8 <sup>5/8</sup>	.0412	9 <sup>3/4</sup>	2	5 <sup>8</sup>	.5185
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3 <sup>1/4</sup>		10 <sup>3/16</sup>	.0576	10 <sup>1/4</sup>	2	8 <sup>3/16</sup>	.5730
3 <sup>3/8</sup>		10 <sup>9/16</sup>	.0621	10 <sup>3/8</sup>	2	8 <sup>9/16</sup>	.5871
3 <sup>1/2</sup>		10 <sup>15/16</sup>	.0668	10 <sup>1/2</sup>	2	8 <sup>7/16</sup>	.6013
3 <sup>5/8</sup>		11 <sup>3/8</sup>	.0717	10 <sup>5/8</sup>	2	9 <sup>3/8</sup>	.6157
3 <sup>3/4</sup>		11 <sup>3/4</sup>	.0767	10 <sup>3/4</sup>	2	9 <sup>3/4</sup>	.6303
3 <sup>7/8</sup>	1	1 <sup>1/8</sup>	.0819	10 <sup>7/8</sup>	2	10 <sup>1/8</sup>	.6450
4		9/16		11	2	10 <sup>1/2</sup>	.6600
4 <sup>1/8</sup>	1	15/16	.0873	11 <sup>1/8</sup>	2	10 <sup>5/16</sup>	.6750
4 <sup>1/4</sup>	1	1 <sup>5/16</sup>	.0928	11 <sup>1/4</sup>	2	11 <sup>5/16</sup>	.6902
4 <sup>3/8</sup>	1	1 <sup>11/16</sup>	.0985	11 <sup>3/8</sup>	2	11 <sup>11/16</sup>	.7057
4 <sup>1/2</sup>	1	2 <sup>1/8</sup>	.1044	11 <sup>1/2</sup>	3	1 <sup>1/8</sup>	.7213
4 <sup>5/8</sup>	1	2 <sup>1/2</sup>	.1104	11 <sup>5/8</sup>	3	1/2	.7371
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4 <sup>7/8</sup>	1	3 <sup>5/16</sup>	.1230	11 <sup>7/8</sup>	3	1 <sup>1/4</sup>	.7690
		3 <sup>11/16</sup>	.1297				
5	1	4 <sup>1/16</sup>	.1364	12	3	1 <sup>11/16</sup>	.7354
5 <sup>1/8</sup>	1	4 <sup>7/16</sup>	.1433	12 <sup>1/8</sup>	3	2 <sup>1/16</sup>	.8019
5 <sup>1/4</sup>	1	4 <sup>7/8</sup>	.1503	12 <sup>1/4</sup>	3	2 <sup>7/16</sup>	.8185
5 <sup>3/8</sup>	1	5 <sup>1/4</sup>	.1575	12 <sup>3/8</sup>	3	2 <sup>7/8</sup>	.8353
5 <sup>1/2</sup>	1	5 <sup>5/8</sup>	.1650	12 <sup>1/2</sup>	3	3 <sup>1/4</sup>	.8523
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5 <sup>7/8</sup>	1		.1883	12 <sup>7/8</sup>	3	4 <sup>7/16</sup>	.9041

# TANK VOLUME

## U.S. GALLONS IN ROUND TANKS For One Foot In Depth

Dia. of Tank		No. U.S. Gals.	Cu. Ft. and Area in Sq. Ft.	Dia. of Tank		No. U.S. Gals.	Cu. Ft. and Area in Sq. Ft.
1 ft. 0 in.		5.87	.785	4 ft. 6 in.		118.97	15.90
1 1		6.89	.922	4 7		123.42	16.50
1 2		8.00	1.069	4 8		127.95	17.10
1 3		9.18	1.227	4 9		132.56	17.72
1 4		10.44	1.396	4 10		137.25	18.35
1 5		11.79	1.576	4 11		142.02	18.99
1 6		13.22	1.767	5 0		146.88	19.63
1 7		14.73	1.969	5 1		151.82	20.29
1 8		16.32	2.182	5 2		156.83	20.97
1 9		17.99	2.405	5 3		161.93	21.65
1 10		19.75	2.640	5 4		167.12	22.34
1 11		21.58	2.885	5 5		172.38	23.04
2 0		23.50	3.142	5 6		177.72	23.76
2 1		25.50	3.409	5 7		183.15	24.48
2 2		27.58	3.687	5 8		188.66	25.22
2 3		29.74	3.976	5 9		194.25	25.97
2 4		31.99	4.276	5 10		199.92	26.73
2 5		34.31	4.587	5 11		205.67	27.49
2 6		36.72	4.909	6 0		211.51	28.27
2 7		39.21	5.241	6 3		229.50	30.68
2 8		41.78	5.585	6 6		248.23	33.18
2 9		44.43	5.940	6 9		267.69	35.78
2 10		47.16	6.305	7 0		287.88	38.48
2 11		49.98	6.681	7 3		308.81	41.28
3 0		52.88	7.069	7 6		330.48	44.18
3 1		55.86	7.467	7 9		352.88	47.17
3 2		58.92	7.876	8 0		376.01	50.27
3 3		62.06	8.296	8 3		399.88	53.46
3 4		65.28	8.727	8 6		424.48	56.75
3 5		68.58	9.168	8 9		449.82	60.13
3 6		71.97	9.621	9 0		475.89	63.62
3 7		75.44	10.085	9 3		502.70	67.20
3 8		78.99	10.559*	9 6		530.24	70.88
3 9		82.62	11.045	9 9		558.51	74.66
3 10		86.33	11.541	10 0		587.52	78.54
3 11		90.13	12.048	10 3		617.26	82.52
4 0		94.00	12.566	10 6		647.74	86.59
4 1		97.96	13.095	10 9		678.95	90.76
4 2		102.00	13.635	11 0		710.90	95.03
4 3		106.12	14.186	11 3		743.58	99.40
4 4		110.32	14.748	11 6		776.99	103.87
4 5		114.61	15.321	11 9		811.14	108.43

(continued)

### 31<sup>1/2</sup> Gallons equal 1 Barrel

To find the capacity of tanks greater than the largest given in the table, look in the table for a Tank of one-half of the given size and multiply its capacity by 4, or one of one-third its size and multiply its capacity by 9, etc.

# TANK VOLUME

## U.S. GALLONS IN ROUND TANKS For One Foot In Depth

Dia. of Tank	No. U.S. Gals.	Cu. Ft. and Area in Sq. Ft.	Dia. of Tank	No. U.S. Gals.	Cu. Ft. and Area in Sq. Ft.
<i>(continued)</i>					
12 ft. 0 in.	846.03	113.10	22 ft. 6 in.	2974.30	397.61
12 3	881.65	117.86	22 9	3040.80	406.49
12 6	918.00	122.72	23 0	3108.00	415.48
12 9	955.09	127.68	23 3	3175.90	424.56
13 0	201.06	132.73	23 6	3244.60	433.74
13 3	1031.50	137.89	23 9	3314.00	443.01
13 6	1070.80	143.14	24 0	3384.10	452.39
13 9	1110.80	148.49	24 3	3455.00	461.86
14 0	1151.50	153.94	24 6	3526.60	471.44
14 3	1193.00	159.48	24 9	3598.90	481.11
14 6	1235.30	165.13	25 0	3672.00	490.87
14 9	1278.20	170.87	25 3	3745.80	500.74
15 0	1321.90	176.71	25 6	3820.30	510.71
15 3	1366.40	182.65	25 9	3895.60	520.77
15 6	1411.50	188.69	26 0	3971.60	530.93
15 9	1457.40	194.83	26 3	4048.40	541.19
16 0	1504.10	201.06	26 6	4125.90	551.55
16 3	1551.40	207.39	26 9	4204.10	562.00
16 6	1599.50	213.82	27 0	4283.00	572.56
16 9	1648.40	220.35	27 3	4362.70	583.21
17 0	1697.90	226.98	27 6	4443.10	593.96
17 3	1748.20	233.71	27 9	4524.30	604.81
17 6	1799.30	240.53	28 0	4606.20	615.75
17 9	1851.10	247.45	28 3	4688.80	626.80
18 0	1903.60	254.47	28 6	4772.10	637.94
18 3	1956.80	261.59	28 9	4856.20	649.18
18 6	2010.80	268.80	29 0	4941.00	660.52
18 9	2065.50	276.12	29 3	5026.60	671.96
19 0	2120.90	283.53	29 6	5112.90	683.49
19 3	2177.10	291.04	29 9	5199.90	695.13
19 6	2234.00	298.65	30 0	5287.70	706.86
19 9	2291.70	306.35	30 3	5376.20	718.69
20 0	2350.10	314.16	30 6	5465.40	730.62
20 3	2409.20	322.06	30 9	5555.40	742.64
20 6	2469.10	330.06	31 0	5646.10	754.77
20 9	2529.60	338.16	31 3	5737.50	766.99
21 0	2591.00	346.36	31 6	5829.70	779.31
21 3	2653.00	354.66	31 9	5922.60	791.73
21 6	2715.80	363.05	32 0	6016.20	804.25
21 9	2779.30	371.54	32 3	6110.60	816.86
22 0	2843.60	380.13	32 6	6205.70	829.58
22 3	2908.60	388.82	32 9	6301.50	842.39

### 31<sup>1/2</sup> Gallons equal 1 Barrel

To find the capacity of tanks greater than the largest given in the table, look in the table for a Tank of one-half of the given size and multiply its capacity by 4, or one of one-third its size and multiply its capacity by 9, etc.

