

## Conversion Charts

### Unit of Length **Millimeters (mm) to Inches**

MM	Decimal of inch	Approx. Inch	MM	Decimal of inch	Approx. inch
1	0.0394	3/64	14	0.5512	9/16
2	0.0787	5/64	15	0.5906	19/32
3	0.1181	1/8	16	0.6299	5/8
4	0.1575	5/32	17	0.6693	43/64
5	0.1969	13/64	18	0.7087	23/32
6	0.2362	15/64	19	0.7480	3/4
7	0.2756	9/32	20	0.7874	51/64
8	0.3150	5/16	21	0.8268	27/32
9	0.3543	23/64	22	0.8662	7/8
10	0.3937	13/32	23	0.9055	29/32
11	0.4331	7/16	24	0.9449	61/64
12	0.4724	15/32	25	0.9843	63/64
12.7	0.5000	1/2	25.4	1.0000	1
13	0.5118	33/64	26	1.0244	1 1/1932

### Decimal Equivalents of Fractions of an Inch

1/64 = .015625	17/64 = .265625	33/64 = .515625	49/64 = .765625
1/32 = .03125	9/32 = .28125	17/32 = .53125	25/32 = .78125
3/64 = .46875	19/64 = .296875	35/64 = .546875	51/64 = .796875
1/16 = .0625	5/16 = .3125	9/16 = .5625	13/16 = .8125
5/64 = .078125	21/64 = .328125	37/64 = .578125	53/64 = .828125
3/32 = .09375	11/32 = .34375	19/32 = .59375	27/32 = .84375

$7/64 = .109375$	$23/64 = .359375$	$39/64 = .609375$	$55/64 = .859375$
$1/8 = .125$	$3/8 = .375$	$5/8 = .625$	$7/8 = .875$
$9/64 = .140625$	$25/64 = .390625$	$41/64 = .640625$	$57/64 = .890625$
$5/32 = .15625$	$13/32 = .40625$	$21/32 = .65625$	$29/32 = .90625$
$11/64 = .171875$	$27/64 = .421875$	$43/64 = .671875$	$59/64 = .921875$
$3/16 = .1875$	$7/16 = .4375$	$11/16 = .6875$	$15/16 = .9375$
$13/64 = .203125$	$29/64 = .453125$	$45/64 = .703125$	$61/64 = .953125$
$7/32 = .21875$	$15/32 = .46875$	$23/32 = .71875$	$31/32 = .96875$
$15/64 = .234375$	$31/64 = .484375$	$47/64 = .734375$	$63/64 = .984375$
$1/4 = .25$	$1/2 = .5$	$3/4 = .75$	$1 = 1.$

(Approximate conversions) **Metric Conversion Table**

Symbol	When you know	Multiply by	To find	Symbol	When you know	Multiply by	To find
		<b>LENGTH</b>				<b>VOLUME</b>	
in	inches	2.54	centimeters	Tsp	teaspoons	5	milliliters
ft	feet	30	centimeters	Tbsp	tablespoons	15	milliliters
yd	yards	0.9	meters	fl oz	fluid ounces	30	milliliters
mi	miles	1.6	kilometers	C	cups	0.24	liters
mm	millimeters	0.04	inches	Pt	pints	0.47	liters
cm	centimeters	0.4	inches	Qt	quarts	0.95	liters
m	meters	3.3	feet	Gal	gallons	3.8	liters
m	meters	1.1	yards	ft <sup>3</sup>	cubic feet	0.03	cubic meters
km	kilometers	0.6	miles	yd <sup>3</sup>	cubic yards	0.76	cubic meters
<b>MASS (weight)</b>				ml	milliliters	0.03	fluid ounces
oz	ounces	28	grams	L	liters	2.1	pints

lb	pounds	0.45	kilograms	L	liters	1.06	quarts
	short tons (2000 lb)	0.9	tonnes	L	liters	0.26	gallons
g	grams	0.0035	ounces	m <sup>3</sup>	cubic meters	35	cubic feet
kg	kilograms	2.2	pounds	m <sup>3</sup>	cubic meters	1.3	cubic yards
t	tonnes (1000 kg)	1.1	short tons				

## Liquid Units

### Liquid Measure **Equivalent Measure**

	Minims	Drams	Ounces	Gills	CC	Liter
1 Drams	60	1	0.125	0.03125	3.69661	0.0037
1 Ounce	480	8	1	0.25	29.5729	0.0296
1 Gill	1920	32	4	1	118.292	0.1183
1 Milliliter	16.231	0.2705	0.0338	0.0084	1	0.001
1 Liter	16231.1	270.518	33.8147	8.4536	1000	1
1 Pints	7680	128	16	4	473.167	0.4731
1 Imperial Pints			19.21	4.803	568.095	0.5681
1 Quart			32	8	946.333	0.94633
1 Imperial Quart			38.43	9.607	1136.49	1.1365
1 Gallon			128	32	3785.33	3.7853
1 Imperial Gallon			153.72	38.43	4545.95	4.54595

### Cubic Centimeter (cc) or Milliliter (ml) to Ounces **Unit of Capacity**

ML or CC	OUNCES	ML or CC	OUNCES
1	0.0338	40	1.3524
2	0.0676	50	1.6905
3	0.1014	60	2.0286

4	0.1352	75	2.5358
5	0.1691	100	3.381
6	0.2029	125	4.2263
7	0.2367	150	5.0715
8	0.2705	200	6.762
9	0.3043	250	8.4525
10	0.3381	300	10.143
15	0.5072	400	13.524
20	0.6762	500	16.905
25	0.8453	750	25.3575
30	1.0143	1000	33.81

## HEADSPACE

To determine headspace in ounces, subtract capacity to fill point from the overflow capacity. To determine headspace in percentage, divide the capacity to fill point, into the capacity above the fill point. Example: The overflow capacity of 16oz. Boston Rounds is 17 ounces; therefore the headspace is 1oz. or 6.25% (1 divided by 16x100).