



TRI-STATE BEARING COMPANY, INC.

Helpful Conversion Tables

*Bearings, Power Transmission, &
Motion Control Specialists
Since 1950*

Volume	To	Multiply by
Cubic centimeters	cubic inches	0.061
	cubic feet	3.53×10^{-5}
	gallons, U.S.	2.64×10^{-4}
Cubic inches	cubic centimeters	16.4
Quart	liters	0.946
	pints	2
	fluid ounces	32
Liters	gallon, U.S.	0.264
	quarts	1.06
	fluid ounces	33.8
	cubic inches	61.0
	cubic centimeters	1,000
Cubic feet	cubic inches	1,730
	cubic centimeters	4,390
	liters	28.3
	fluid ounces	958
Barrels, U.S., Liquid	gallons, U.S.	31.5
Board feet	cubic feet	1/12
Gallons, British	gallons, U.S.	1.20
Gallons, U.S.	Canadian, U.K.	0.833
	cubic feet	0.134
	cubic inches	231
	ounces	128
	liters	3.79
Ounces, U.S. Fluid	cubic centimeters	29.6
	cubic inches	1.80
Bushels, U.S.	bushels, U.K.	0.969
	cubic feet	1.24
	gallons, U.S.	9.31
	liters	35.2

Temperature	To	Multiply by
Degrees Fahrenheit	degrees Celsius	$C = 5/9 (F-32)$
Degrees Rankine	degrees Celsius	$R = F + 459.69$
		$F = (9/5)C + 32$
Degrees Fahrenheit	degrees Kelvin	$K = C + 273.16$

Pressure	To	Multiply by
Pascals	lbs/square inch	0.000145
	lbs/square foot	0.0209
	newtons/square meter	1
lbs/square inch	atmospheres	0.0680
	lbs/square foot	144
	pascals	6985
	foot of water at 60 F	2.30
	grams/square cm	70.3
	mm of mercury, 32 F	51.7
lbs/square foot	kilograms/square meter	4.88
Atmospheres	lbs/square inch	14.7
	lbs/square foot	2117
	pascals	101,325
Inches of water, 60 F	lbs/square inch	0.036
	lbs/square foot	5.20
	pascals	249
Inches of mercury, 68 F	feet of water, 68 F	1.131

Volumetric Flow Rates	To	Multiply by
Gallons, U.S./min	liters/sec	0.00843
	cubic feet/min	0.134
Cubic feet/sec	gallons, U.S./min	449
	gallons, U.K./min	374
	liters/sec	1,700
Liters/sec	cubic feet/min	2.12
	gallons, U.S./min	15.9
	gallons, U.K./min	13.2

Energy	To	Multiply by
BTU	Joules	1.055×10^3
Calories, gram	Joules	4.18

Service—More Than Just A Word

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