

Auxiliary Systems Common Metric Equivalents

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Approximate Common Equivalent		Conversions Accurate to Parts Per Million	
1 Inch	= 25 Millimeters	Inches x 25.4*	= Millimeters
1 Foot	= 0.3 Meter	Feet x 0.3084*	= Meters
1 Yard	= 0.9 Meter	Yards x 0.9144*	= Meters
1 Mile	= 1.6 Kilometers	Miles x 1.60934	= Kilometers
1 Square Inch	= 6.5 Square Centimeters	Square Inches x 6.4516*	= Square Centimeters
1 Square Foot	= 0.09 Square Meter	Square Feet x 0.0929030	= Square Meters
1 Square Yard	= 0.8 Square Meter	Square Yards x 0.836127	= Square Meters
1 Acre	= 0.4 Hectare *	Acres x 0.404686	= Hectares
1 Cubic Inch	= 16 Cubic Centimeters	Cubic Inches x 16.3871	= Cubic Centimeters
1 Cubic Foot	= 0.03 Cubic Meter	Cubic Feet x 0.0283168	= Cubic Meters
1 Cubic Yard	= 0.8 Cubic Meter	Cubic Yards x 0.764555	= Cubic Meters
1 Quart (lq)	= 1 Liter *	Quarts (lq) x 0.946353	= Liters
1 Gallon	= 0.04 Cubic Meter	Gallons x 0.00378541	= Cubic Meters
1 Ounce (avdp)	= 28 Grams	Ounces (avdp) x 28.3495	= Grams
1 Pound (avdp)	= 0.45 Kilogram	Pounds (avdp) x 0.453592	= Kilograms
1 Horsepower	= 0.75 Kilowatt	Horsepower x 0.745700	= Kilowatts
1 Millimeter	= 0.04 Inch	Millimeters x 0.0393701	= Inches
1 Meter	= 3.3 Feet	Meters x 3.28084	= Feet
1 Meter	= 1.1 Yards	Meters x 1.09361	= Yards
1 Kilometer	= 0.6 Mile	Kilometers x 0.621371	= Miles
1 Sq. Centimeter	= 0.16 Square Inch	Sq. Centimeters x 0.155000	= Square Inches
1 Square Meter	= 11 Square Feet	Square Meters x 10.7639	= Square Feet
1 Square Meter	= 1.2 Square Yards	Square Meter x 1.19599	= Square Yards
1 Hectare *	= 2.5 Acres	Hectares x 2.47105	= Acres
1 Cubic Centimeter	= 0.06 Cubic Inch	Cu. Centimeters x 0.0610237	= Cubic Inches
1 Cubic Meter	= 35 Cubic Feet	Cubic Meters x 35.3147	= Cubic Feet
1 Cubic Meter	= 1.3 Cubic Yards	Cubic Meters x 1.30795	= Cubic Yards
1 Liter *	= 1 Quart (lq)	Liters x 1.05669	= Quarts (lq)
1 Cubic Meter	= 250 Gallons	Cubic Meters x 264.172	= Gallons
1 Gram	= 0.035 Ounces (avdp)	Grams x 0.0352740	= Ounces (avdp)
1 Kilogram	= 2.2 Pounds (avdp)	Kilograms x 2.20462	= Pounds (avdp)
1 Kilowatt	= 1.3 Horsepower	Kilowatts x 1.34102	= Horsepower
* Common term not used in SI.		* Exact	