

**US CUSTOMARY TO SI UNIT CONVERSION TABLES**

	<b>To Convert</b>	<b>To</b>	<b>Multiply By</b>
LENGTH	inches (in.)	millimeters (mm)	25.4
		meters (m)	0.0254
	feet (ft)	millimeters (mm)	304.8
		meters (m)	0.3048
AREA	square inches (in. <sup>2</sup> )	square millimeters (mm <sup>2</sup> )	645.16
		square meters (m <sup>2</sup> )	0.00064516
	square feet (ft <sup>2</sup> )	square millimeters (mm <sup>2</sup> )	92903
		square meters (m <sup>2</sup> )	0.092903
FORCE	pounds (lb)	newtons (N)	4.4482
		kilonewtons (kN)	0.004482
	kips (k)	newtons (N)	4448.2
		kilonewtons (kN)	4.4482
FORCE LENGTH (BENDING MOMENT, TORQUE)	inch-pounds (in.-lb)	newton-millimeters (N-mm)	112.98
		newton-meters (N-m)	0.11298
	foot-pounds (ft-lb)	newton-millimeters (N-mm)	1355.8
		newton-meters (N-m)	1.3558
	inch-kips (in.-k)	kilonewton-millimeters (kN-mm)	112.98
		kilonewton-meters (kN-m)	0.11298
	foot-kips (ft-k)	kilonewton-millimeters (kN-mm)	1355.8
		kilonewton-meters (kN-m)	1.3558
FORCE/LENGTH	pounds/inch (lb/in.)	newtons/millimeter (N-mm)	0.17513
		newtons/meter (N-m)	175.13
	pounds/foot (lb/ft)	newtons/millimeter (N-mm)	0.014594
		newtons/meter (N-m)	14.594
	kips/inch (k/in.)	kilonewtons/millimeter (kN-mm)	0.17513
		kilonewtons/meter (kN-m)	175.13
	kips/foot (k/ft)	kilonewtons/millimeter (kN-mm)	0.014594
		kilonewtons/meter (kN-m)	14.594
FORCE/AREA (MODULUS, PRESSURE, STRESS)	pounds/inch <sup>2</sup> (lb/in. <sup>2</sup> )	pascals (Pa)	6894.8
		kilopascals (kPa)	6.8948
	pounds/foot <sup>2</sup> (lb/ft <sup>2</sup> )	pascals (Pa)	47.88
		kilopascals (kPa)	0.04788
	kips/inch <sup>2</sup> (k/in. <sup>2</sup> )	pascals (Pa)	6894800
		kilopascals (kPa)	6894.8
	kips/foot <sup>2</sup> (k/ft <sup>2</sup> )	pascals (Pa)	47880
		kilopascals (kPa)	47.88

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Note:  $1.0 \text{ Pa} = 1.0 \text{ N/m}^2$