

US CUSTOMARY TO SI UNIT CONVERSION TABLES

	To Convert	To	Multiply By
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. ²)	square millimeters (mm ²)	645.16
		square meters (m ²)	0.00064516
	square feet (ft ²)	square millimeters (mm ²)	92903
		square meters (m ²)	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 ² (lb/in. ²)	pascals (Pa)	6894.8
		kilopascals (kPa)	6.8948
	pounds/foot ² (lb/ft ²)	pascals (Pa)	47.88
		kilopascals (kPa)	0.04788
	kips/inch ² (k/in. ²)	pascals (Pa)	6894800
		kilopascals (kPa)	6894.8
	kips/foot ² (k/ft ²)	pascals (Pa)	47880
		kilopascals (kPa)	47.88

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Note: 1.0 Pa = 1.0 N/m²