

CONVERTING FROM		CONVERTING TO		MULTIPLY BY
LENGTH				
meter	m	yard	yd	1.0936133
meter	m	foot	ft	3.2808399
millimeter	mm	inch	in	0.0393701
yard	yd	meter	m	0.9144
foot	ft	meter	m	0.3048
inch	in	millimeter	mm	25.4
AREA				
square meter	m ²	square foot	sq. ft	10.763910
square millimeter	mm ²	square inch	sq. in.	0.00155
square foot	sq. ft	square meter	m ²	0.092903
square inch	sq. in.	square millimeter	mm ²	645.16
VOLUME				
cubic centimeter	cm ³	[US] fluid ounce	oz. fl.	0.033814
cubic centimeter	cm ³	cubic inch	in ³	0.061024
[US] fluid ounce	oz. fl.	cubic centimeter	cm ³	29.57373
cubic inch	in ³	cubic centimeter	cm ³	16.38706
cubic inch	in ³	[US] fluid ounce	oz. fl.	0.5541
[US] fluid ounce	oz. fl.	cubic inch	in ³	1.8047
FORCE				
kilonewton	kN	kilo-pound (force)	kip	0.2248089
newton	N	pound (force)	lbf	0.2248089
kilo-pound (force)	kip	kilonewton	kN	4.44822
pound (force)	lbf	newton	N	4.44822

CONVERTING FROM		CONVERTING TO		MULTIPLY BY
PRESSURE OR STRESS (FORCE PER AREA)				
megapascal	MPa	pound (force) / square inch	psi	145.0377
megapascal	MPa	kilo-pound (force) / square inch	ksi	0.1450377
kilopascal	kPa	pound (force) / square inch	psi	0.1450377
megapascal	MPa	newton / square millimeter	N/mm ²	1
pound (force) / square inch	psi	megapascal	MPa	0.006895
pound (force) / square inch	psi	kilopascal	kPa	6.895
kilo-pound (force) / square inch	ksi	megapascal	MPa	6.895
BENDING MOMENT / TORQUE				
newton - meter	Nm	foot - pound	ft lbs	0.737562
foot - pound	ft lbs	newton - meter	Nm	1.355818
TEMPERATURE				
degree Fahrenheit	°F	degree Celsius	°C	5/9 × (°F - 32)
degree Celsius	°C	degree Fahrenheit	°F	[9/5 × (°C)] + 32
OTHER				
mass per unit area	lb./sq.ft	mass per unit area	kg/m ²	4.882
mass per unit length	lb./ft	mass per unit length	kg/m	1.48