

Conversion Factors

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		Multiply by		Multiply by	
Length	in	x 25.4	= mm	x 0.03937	= in
	ft	x 0.3048	= m	x 3.281	= ft
	yd	x 0.9144	= m	x 1.094	= yd
Area	in ²	x 645.16	= mm ²	x 0.00155	= in ²
	ft ²	x 0.0929	= m ²	x 10.7639	= ft ²
Volume	in ³	x 16.387	= cm ³	x 0.06102	= in ³
	ft ³	x 0.028317	= m ³	x 35.3147	= ft ³
Mass (weight)	oz	x 28.3495	= g	x 0.035274	= oz
	lb	x 0.453592	= kg	x 2.20462	= lb
	UK ton	x 1.01605	= tonne	x 0.984207	= UK ton
Stress	lbf/in ²	x 0.000703	= kgf/mm ²	x 1422.33	= lbf/in ²
	tonf/in ²	x 1.57488	= kgf/mm ²	x 0.63497	= tonf/in ²
Force (S.I.)	lbf	x 4.44822	= N	x 0.224809	= lbf
	tonf	x 9.96402	= kN	x 0.100361	= tonf
	kgf	x 9.80665	= N	x 0.101972	= kgf
Stress (S.I.)	tonf/in ²	x 15.4443	= N/mm ²	x 0.064749	= tonf/in ²
			= MN/m ²		
	tonf/in ²	x 1.54443	= daN/mm ²	x 0.64749	= tonf/in ²
			= hbar		
	kgf/mm ²	x 9.80665	= N/mm ²	x 0.101972	= kgf/mm ²
	lbf/in ²	x .00689476	= N/mm ²	x 145.04	= lbf/in ²
Miscellaneous	lb/ft	x 1.488	= kg/m	x 0.672	= lb/ft
	ft/lb	x 0.672	= m/kg	x 1.488	= ft/lb
Electrical	ohms/yd	x 1.094	= ohms/m	x 0.9144	= ohms/yd

	ohms/ft	x 3.281	= ohms/m	x 0.3048	= ohms/ft
	Microhms/in ³	x 2.54	= Microhms/cm ³	x 0.3937	= Microhms/in ³
	Microhms	x 0.000001	= ohms	x 1000000	= Microhms
	ohms/g	x 453.6	=ohms/lb	x 0.002205	= ohms/g