

134 Helpsheet



World Leaders in Computer Controlled Testing
Systems for Geotechnical Engineers and Geologists

Hardware

Triaxial Testing Systems

Useful Unit Conversions

Quantity & Symbol	Units & Multiples	Symbol	Conversion factors
Pressure (p,u)	kilonewton per square metre kilopascal	kN/m ² kPa	1000 Pa = 1 kPa 1000 kPa = 1 MPa 1000 MPa = 1 GPa 1bar=100kPa 1PSI=6.895kPa 1kgf/cm ² =98.07kPa
Volume (V)	cubic metre cubic centimetre cubic millimetre	m ³ cm ³ mm ³	1000 cu millimetres = 1 cu centimetre (cc) 1000 cu centimetres (cc) = 1 cu litre 1000 cu litre = 1 cu metre 1ft ³ =0.02832m ³ 1in ³ =16.39cm ³ 1UK gallon=4546cm ³
Force	meganewton kilonewton Newton	MN KN N	1 tonf=9.964kN 1lbf=4.448N 1kgf=9.807N
Weight (mass)	kilogram	kg	1 pound=0.4536kg
Length	kilometre metre millimetre micrometre	km m mm µm	1mile=1.609km 1yard=0.9144m 1ft=0.3048m 1in=25.40mm
Area (A)	square kilometre square metre square millimetre	km ² m ² mm ²	1 sq. foot=0.0929m ²
Unit Weight (γ)	kilonewton per cu. metre	KN/m ³	100lb/ft ³ =15.708kN/m ³