Varaiable Definitions		Equations	Conversions			
T = Thickness of the soil sample [in]		Fsoil [N] = Fpull(A/B)	Sigma =Stress* 0.224809 psi			
A = Distance of pulling force from the hinge [in]		Stress[N/in^2] = Fsoil/(pi*D*T)				
B = Distance of soil sample from the hinge [in]						
Fpull = Pulling force [N]						
Fsoil = Force of the soil sample [N]						
Sigma = Brazilian Tensile Test [psi]						
D = Diameter o	f the soil sample [in]					
D (in)	T (in)	A (in)	B (in)	Fpull (N)	Fsoil (N)	Sigma (psi)
1	3	18	16	15.7	17.6625	0.421875

