

NOTATIONS

σ_o	=	Pre-stress
σ_1	=	Major principal stress
σ_2	=	Intermediate principal stress
σ_3	=	Minor principal stress
σ_n	=	Normal stress
σ_o	=	Normal tangential stress
σ_r	=	Radial compressive stress
σ_{oct}	=	Octahedral stress
$\sigma_{t,To}$	=	Maximum tensile stress
σ_{yp}	=	Yield point stress
E	=	Young's modulus of elasticity
ϵ_1	=	Tensile bending strain at outer fibre
ϵ_2	=	Compressive bending strain at outer fibre
ν	=	Poisson's ratio
τ	=	Shear stress
M_b	=	Bending moment
r_i	=	Internal radius of the ring or cylinder
r_o	=	External radius of the ring or cylinder
r_d	=	Radius of disc
r_p	=	Radius of arc under uniform pressure
q	=	Radii ratio (Inner radius to outer radius)
P,F	=	Applied force or load
P_1	=	Internal hydrostatic stress
t_d, t	=	Thickness of the disc
I	=	Moment of inertia
To	=	Uniaxial tensile strength
C_o	=	Uniaxial compressive strength
λ	=	A Material constant