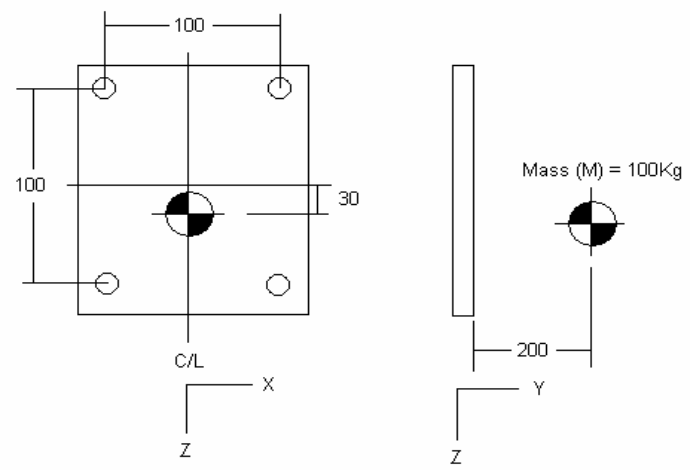

Standard Gravity	9.81 m/s2
g Factor	1

Force (Fx) = 100 * 1 * 9.81	981 N
Force (Fy) = 100 * 1 * 9.81	981 N
Force (Fz) = 100 * 1 * 9.81	981 N

Calculation(x)

Direct Shear (x) = Fx / 4	245.25 N
Moment(x) = Fx * 200	196200 N.mm
Tension(x) = Moment(x) / (2 *100)	981 N

Calculation (y)

Moment(y) = Fy * 30	29430 N.mm
Tension (y) = Moment(y) / (2 & 100)	147.15 N
Direct Tension(y) = Fy / 4	245.25 N

Calculation (z)

Moment(z) = Fz * 200	196200 N.mm
Tension(z) = Moment(z) / (2 * 100)	981 N
Direct Shear (z) = Fz / 4	245.25 N