

### Temperature Correction Formula

$$D_{23} = D_t - .00027 (T - 23) D_t$$

$D_{23}$  = Deflection at a temperature of 23 Degrees C

$D_t$  = Deflection – Proving Ring Reading in divisions

T = Temperature at which the Proving Ring is used. This should be the same scale to which the correction is being made.

There are 2 formulas you can use to determine  $D_t$  in the following formula

$$D_t = D_{23} / (1 - 0.00027 * (23 - T))$$

or the precise formula solving for  $D_t$

$$D_t = D_{23} / (1 - 0.00027 * (T - 23))$$