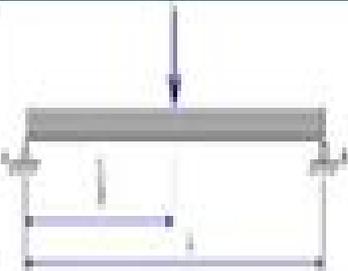


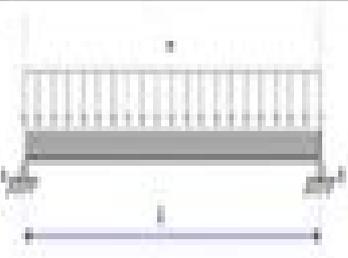
# Formula Chart of Civil Engineering



Reaction  $R_A = R_B = \frac{P}{2}$

Moment  $M_{max} = \frac{Pl}{4}$  (at point of load)

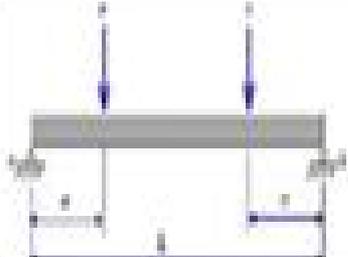
Deflection  $\Delta_{max} = \frac{Pl^3}{48EI}$  (at point of load)



Reaction  $R_A = R_B = \frac{wL}{2}$

Moment  $M_{max} = \frac{wl^2}{8}$  (at center)

Deflection  $\Delta_{max} = \frac{5wl^4}{384EI}$  (at center)



Reaction  $R_A = R_B = P$

Moment  $M_{max} = Pa$  (between loads)

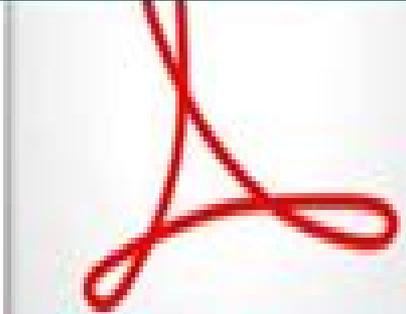
Deflection  $\Delta_{max} = \frac{Pa}{384EI} (3L^2 - 4a^2)$  (at center)



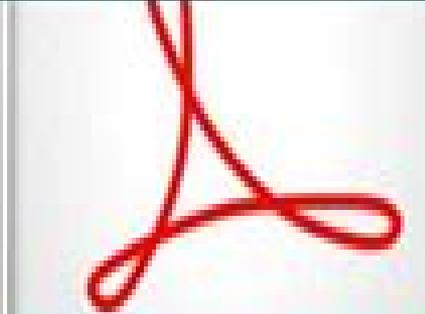
Reaction  $R_A = \frac{Pb}{L}$  and  $R_B = \frac{Pa}{L}$

Moment  $M_{max} = \frac{Pab}{L}$  (at Point of Load)

Deflection  $\Delta_{max} = \frac{Pab(a+b)\sqrt{3a^2+3b^2+2ab}}{27EI}$   
(at  $x = \sqrt{\frac{a(b+3a)}{3}}$  when  $a > b$ )

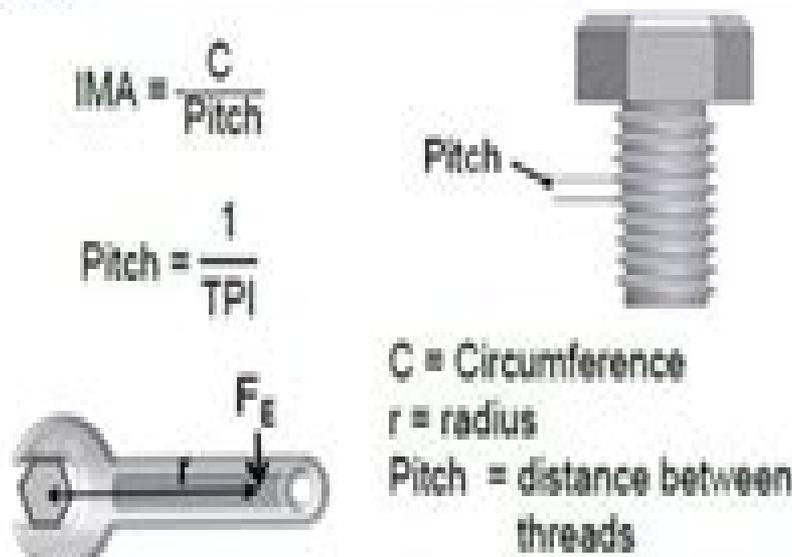


Engineering Formula  
PDF Sheet 1



Engineering Formula  
PDF Sheet 2

## Screw



$IMA = \frac{C}{Pitch}$

$Pitch = \frac{1}{TPI}$

C = Circumference  
r = radius  
Pitch = distance between threads  
TPI = Threads Per Inch

# Civil Engineering Measurement Formula

**B Lingard**



**Civil Engineering Measurement Formula:**

## Whispering the Strategies of Language: An Psychological Journey through **Civil Engineering Measurement Formula**

In a digitally-driven earth wherever monitors reign great and instant communication drowns out the subtleties of language, the profound secrets and psychological nuances concealed within words often get unheard. However, nestled within the pages of **Civil Engineering Measurement Formula** a fascinating fictional treasure pulsing with raw feelings, lies a fantastic journey waiting to be undertaken. Written by an experienced wordsmith, this charming opus encourages visitors on an introspective trip, lightly unraveling the veiled truths and profound affect resonating within the very fabric of every word. Within the emotional depths of the poignant evaluation, we will embark upon a heartfelt exploration of the book is key subjects, dissect their fascinating writing design, and succumb to the powerful resonance it evokes serious within the recesses of readers hearts.

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