

# Download Lagu Free Download Lagu Mp3 Full Album (56.03 MB) - Mp3 Free Download

R. Prabhakara, K. U. Muthu, and R. Meenakshi

## 1. 1. Proposed Method for Singly Reinforced Beams

Figure 1 (a) shows the cross section of a singly reinforced beam. The short-term deflection is computed as

$$\delta_s = \frac{\alpha w l^4}{E_c I_e} \quad (1)$$

where  $\delta_s$  = short term deflection

$\alpha$  = elastic deflection coefficient (= 5/384) for a simply supported beams subjected to a uniformly distributed load.

$l$  = span of the beam

$E_c$  = modulus of elasticity of concrete (= 4730  $\sqrt{f'_c}$ )

$I_e$  = effective moment of inertia as per ACI 318-05 [6].

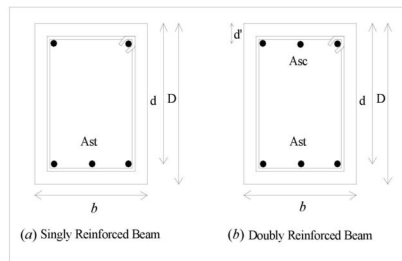


Figure 1. Sectional details of rectangular beams

## 1. 2. Effective Moment of Inertia: $I_e$

The effective moment of inertia is specified as

$$I_e = I_{cr} + (I_g - I_{cr}) \left( \frac{M_{cr}}{M_a} \right)^3 \quad (2)$$

where  $I_g$  and  $I_{cr}$  are the gross and the cracked moment of inertia of the section,  $M_{cr}$  and  $M_a$  are the cracking moment and actual moment respectively.

$$I_g = \frac{b D^3}{12} \quad (3)$$

The cracked moment of inertia is expressed as

$$I_{cr} = k_1 b d^3 \quad (4)$$

where

$$k_1 = \frac{X^3}{3} + m \rho (1 - X)^2 \quad (4 a)$$

DOWNLOAD: <https://tinurli.com/2a1byp>



---

0b01ecef03

Related links:

[https://www.cloudschool.org/activities/ahFzfmNsb3Vkc2Nob29sLWFwcHI5CxEVXNlchiAgMDAtN26CwwLEgZDb3Vyc2UYgICAv9\\_B4ggMCxIIQWN0aXZpdHkYgICA36nh4woMogEQNTcyODg4NTg4Mjc0ODkyOA](https://www.cloudschool.org/activities/ahFzfmNsb3Vkc2Nob29sLWFwcHI5CxEVXNlchiAgMDAtN26CwwLEgZDb3Vyc2UYgICAv9_B4ggMCxIIQWN0aXZpdHkYgICA36nh4woMogEQNTcyODg4NTg4Mjc0ODkyOA)  
<https://assets.pinshape.com/uploads/image/file/459807/kingdom-of-heroes-tactics-war-tier-list-2020.html>  
<http://stonbofulhealth.unblog.fr/2021/12/01/full-download-lagu-nagpuri-singer-pritammp3-33-26-mb-mp3-free-download/>

<https://assets.pinshape.com/uploads/image/file/459805/larolouty.html>  
<https://assets.pinshape.com/uploads/image/file/459807/kingdom-of-heroes-tactics-war-tier-list-2020.html>  
<https://assets.pinshape.com/uploads/image/file/459806/igo-Primo-Europe-Windows-Ce-60-Download.html>