



Moments in Y-direction (in kN.m)

Determining
$$PC$$
: $k=1$, $L=8000mm$
 $FJ = 72.9 mm$
 $A = \frac{LL}{F} = \frac{1*8000 - 109.239}{92.9}, Ap = 4.71 \frac{2\pi05}{245} = 127$
 $A < Ap$ S in elastic buckling

 $FC = \frac{112E}{32.9} = \frac{112\times2\times10^{5}}{32\times2\times10^{5}} = 163.91 \text{ mpa}$

$$Te = \frac{\pi^2 E}{A^2} = \frac{\pi^2 \times 2 \times 10^5}{109.739^2} = 163.91 \text{ mpg}$$

$$Ter = \left[0.658^{\frac{235}{1039}}\right] \times 275 = 136.26 \text{ mpg}$$

4g = 12800 mm2

$$P_{n} = \frac{12800 \text{ mm}^{2}}{\text{Pr}} = \frac{136.26 \times 12800}{1000} = 2425.385 \Rightarrow \Phi_{n} = 2182.85$$

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$$P_{n} = \frac{136.26 \times 12800}{1000} = 2482.85 \text{ kN} \quad P_{n} = 10000 \text{kN}$$

$$\frac{Determining \ MCX}{L_{b} = 8 \ m} = \frac{2182}{85} \frac{1}{85} \frac{1}{$$

$$Lp = 1.76 \times 72.9 = 3460 \text{ mm}$$

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$$(+s) = 9467x04, 444x03$$

$$(+s) = 765 \times 72.9 \times 72.9 \times 74.746 \text{ mm}$$

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$$Lr = 1.95 \times 82.716 = \frac{72}{5100} + \frac{72}{5100} + \frac{76}{500} = 12105.82 \text{ m}$$
by CamScanner

Let L. Lebelt Sensitive

d by CamScanner