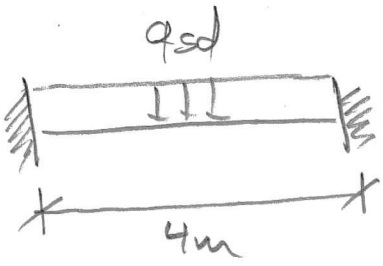
B2T5MA0508

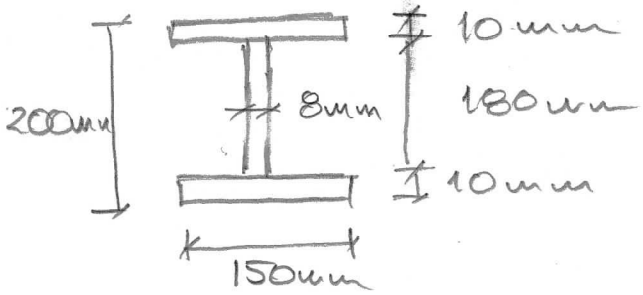
0,4 POROS

→ AÇO MR250

→ VIGA CONTIDA LATERALMENTE

→ DESPREZAR FLA/FLM;





$M_{Rd} = Z_x \cdot f_y / \gamma_{a1}$

$Z_x = 2(15 \times 1 \times 9{,}5 + 19 \times 0{,}8 \times 9/2) = 349{,}8\ cm^3$

$M_{Rd} = 349{,}8\ cm^3 \times 25\ kN/cm^2 / 1{,}1 = 7950\ kN\,cm$

$= \underline{79{,}50\ kN\,m}$

$M_{Rd} = qL^2/12 \qquad q = \frac{12\,M_{Rd}}{L^2}$

$q = \frac{12 \times 79{,}5\ kN\,m}{(5\,m)^2} = \boxed{38{,}16\ kN/m}$