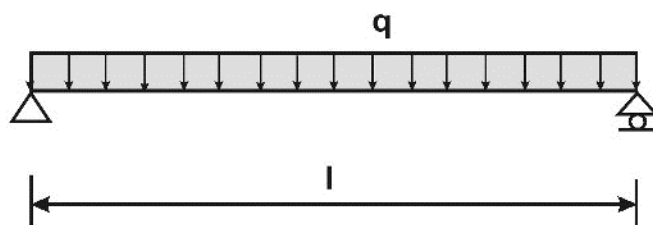


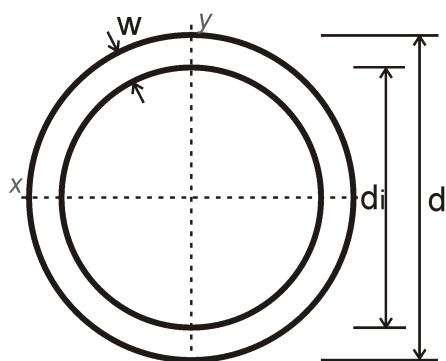


## Report - Simply supported beam



### Input

Length ( $l$ ) : 10610 mm  
Load ( $q$ ) : 0.76 kN/m1  
Material : Steel  
Profile : Round tube



Outside diameter  $d$  : 168 mm

Thickness  $w$  : 4 mm

Inside diameter  $di$  : 160 mm

Moment of Resistance  $W_x$  : 82534 mm<sup>3</sup>  
Moment of Inertia  $I_x$  : 6932816 mm<sup>4</sup>  
Modulus of Elasticity  $E$  : 210000 N/mm<sup>2</sup>

### Results

Max. (bending) moment : 10.69 kNm  
Max. stress : 129.6 N/mm<sup>2</sup>  
Max. deflection distance : 86.1 mm