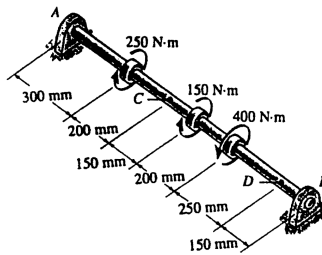


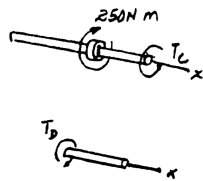
1-2 Determine the resultant internal torque acting on the cross sections through points *C* and *D*. The support bearings at *A* and *B* allow free turning of the shaft.



$$\Sigma M_x = 0; \quad T_C - 250 = 0$$

$$T_C = 250 \text{ N} \cdot \text{m} \quad \text{Ans}$$

$$\Sigma M_x = 0; \quad T_D = 0 \quad \text{Ans}$$



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