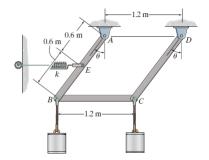## Exercise

11–19. The spring is unstretched when $\theta = 45°$ and has a stiffness of $k = 20$ kN/m. Determine the angle θ for equilibrium if each of the cylinders weighs 250 N. Neglect the weight of the members. The spring remains horizontal at all times due to the roller.

Ans. $\theta = 39.6°$

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