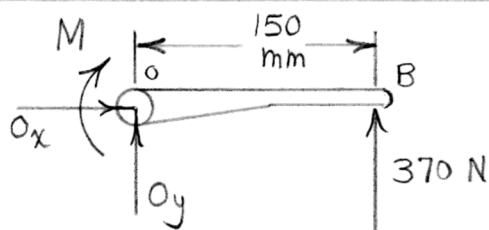


3/48

Arm OB:



$$\sum M_O = 0: 370(0.150) - M = 0$$

$$M = 55.5 \text{ N}\cdot\text{m}$$

$$F \cos 20^\circ (0.375) = M = 55.5$$

$$F = 157.5 \text{ N}$$

WILEY