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$$I_{xy} = -\left(\frac{b}{4}\right)\left(\frac{b}{4}\right)\left(\pi\left(\frac{b}{8}\right)^2\right) - \left(-\frac{b}{4}\right)\left(-\frac{b}{4}\right)\left(\pi\left(\frac{b}{8}\right)^2\right) = -\frac{\pi b^4}{512}$$

$$I_{xz} = I_{yz} = 0$$