

$$\therefore \text{(d)} : R' = 2R$$

$$I_0 = \frac{E}{R} \quad \dots\text{(i)} ; \quad I'_0 = \frac{E}{2R} \quad \dots\text{(ii)}$$

From (i) and (ii), $I'_0 = \frac{I_0}{2}$