

sample problem: steps into microsteps

$$\frac{1 \text{ step}}{1.8^\circ} \times \frac{16 \text{ microsteps}}{1 \text{ step}} \times \frac{360^\circ}{1 \text{ rotation}} = 3200 \text{ microsteps per rotation}$$

- 850 steps = 1 revolution

$$\frac{16 \text{ microsteps}}{1 \text{ step}} = \frac{x \text{ microsteps}}{850 \text{ steps}}$$

$$x = 13600 \text{ microsteps per 1 rotation}$$

sample problem:
microsteps into millimeters

$$\frac{3200 \text{ ms}}{1 \text{ rotation}} \times \frac{1 \text{ rotation}}{8.6 \text{ mm}} = 888.89 \text{ microsteps per millimeter}$$

- 13600 microsteps = 1 revolution

$$\frac{13600 \text{ ms}}{1 \text{ rotation}} \times \frac{1 \text{ rotation}}{8.6 \text{ mm}} = 48960 \text{ microsteps per millimeter}$$