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$$F = ma$$

$$qvB = \frac{mv^2}{R}$$

$$B = \frac{mv}{qR}$$

inside a solenoid $B = \mu_0 n I$

$$\mu_0 n I = \frac{mv}{qR}$$

$$I = \frac{mv}{qR\mu_0 n} = \frac{(9.11 \times 10^{-31})(10^4)}{(1.6 \times 10^{-19})(0.02)(4\pi \times 10^{-7})(2500)}$$

$$\boxed{I = 9.06 \times 10^{-4} A}$$