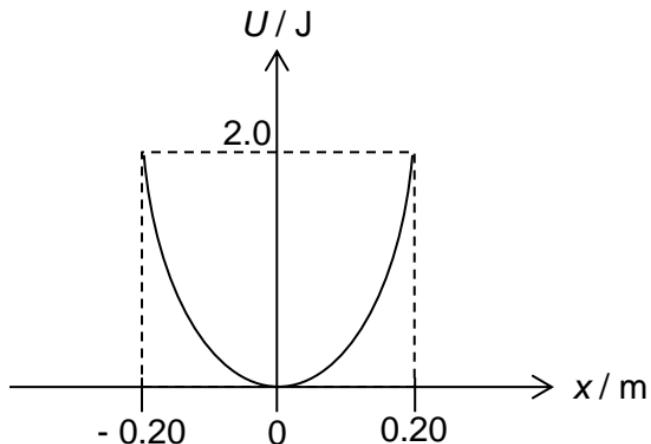


- 14** A particle of mass 5.0 kg is moving in simple harmonic motion.

The variation of the potential energy U with the displacement from the equilibrium position x is as shown in the figure below.



What is the period of oscillation of the particle?

A 0.89 s

B 1.4 s

C 2.2 s

D 2.8 s