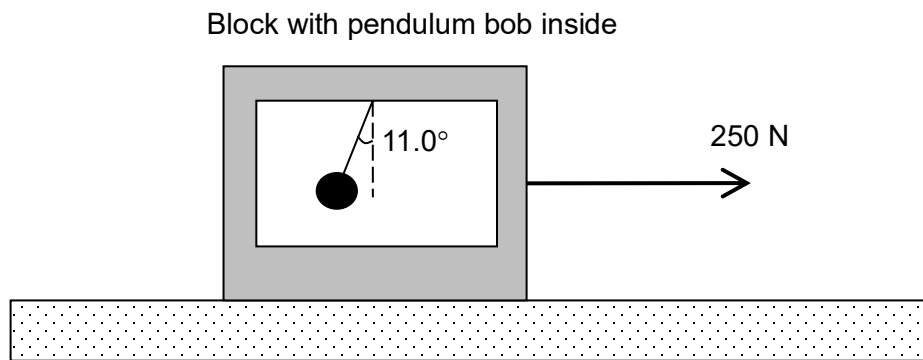


6

A block with a pendulum bob hanging inside lies on a rough horizontal surface. The total mass of the block and the pendulum bob is 100 kg. A force of 250 N is applied to the block and the pendulum bob makes an angle of 11.0° to the vertical axis.



What is the magnitude of the frictional force acting on the block?

A

28 N

B

42 N

C

59 N

D

94 N