

19 A hammer with 10 J of kinetic energy hits a nail and pushes it 5.0 mm into a plank.

Both the hammer and nail come to rest after the collision.

What is the approximate average force that acts on the nail while it moves through 5.0 mm?

A 0.050 N

B 2.0 N

C 50 N

D 2000 N

20 A number of identical springs are joined in four arrangements