

21 When a force of 0.80 N is applied to a spring, the length of the spring is 90 mm.

When a force of 1.30 N is applied to the same spring, its length is 115 mm.

The spring obeys Hooke's law.

What is the spring constant of the spring?

A 8.9 N m^{-1}

B 10 N m^{-1}

C 11 N m^{-1}

D 20 N m^{-1}