

23 A wire is stretched by 8 mm when a load of 60 N is applied.

What will be the extension of a wire of the same material having four times the cross-sectional area and twice the original length, when the same load is applied?

A 2 mm

B 4 mm

C 8 mm

D 16 mm

24 The tension in a spring of natural length l_0 is first increased from zero to T_1 , causing the length to