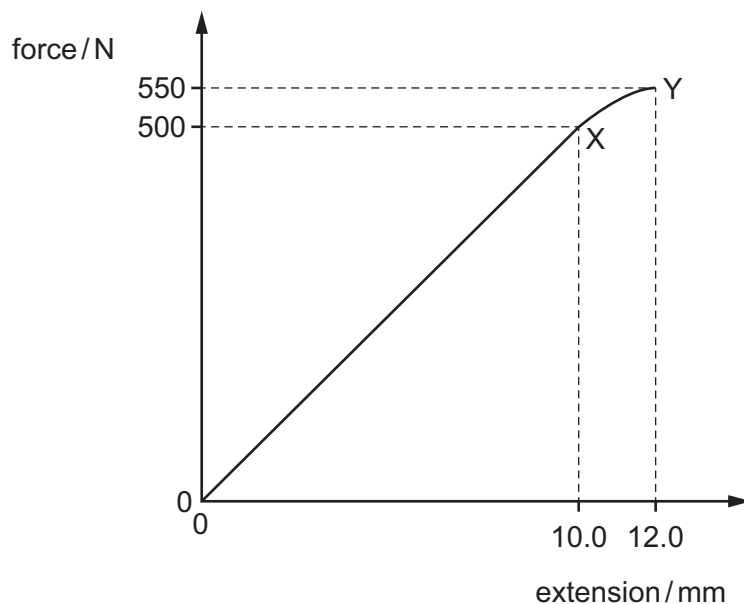24 The graph shows the behaviour of a sample of a metal when it is stretched until it starts to undergo plastic deformation.

What is the total work done in stretching the sample from zero to 12.0 mm extension?
Simplify the calculation by treating the curve XY as a straight line.

A 3.30 J   **B** 3.55 J   **C** 3.60 J   **D** 6.60 J

Space for working