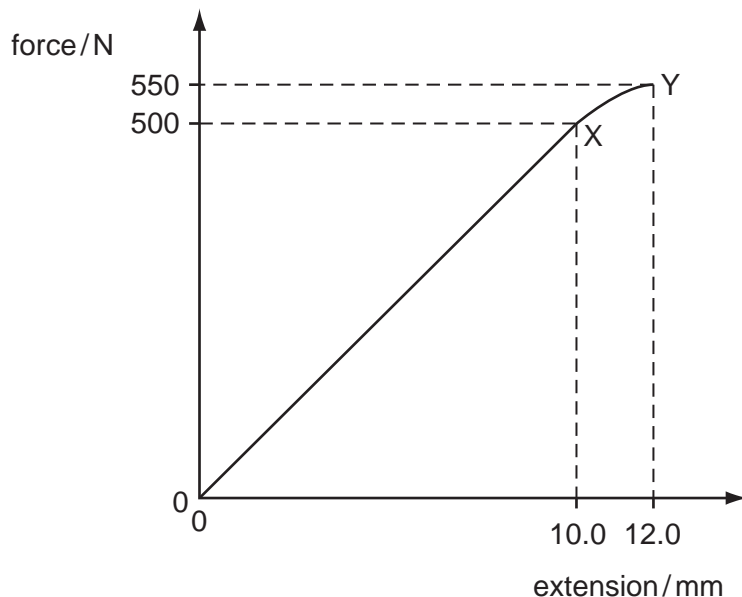


- 22** The graph shows the behaviour of a sample of a metal when it is stretched until it starts to undergo plastic deformation.



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

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