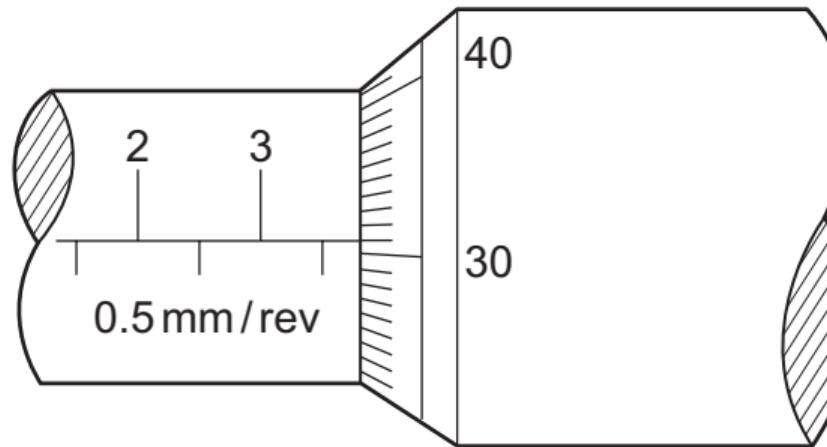


- 4 The diameter of a cylindrical metal rod is measured using a micrometer screw gauge.

The diagram below shows an enlargement of the scale on the micrometer screw gauge when taking the measurement.



What is the cross-sectional area of the rod?

- A 3.81 mm^2 B 11.4 mm^2 C 22.8 mm^2 D 45.6 mm^2

- 5 A mass is dropped from rest, and falls through a distance of 2.0 m in a vacuum. An observer