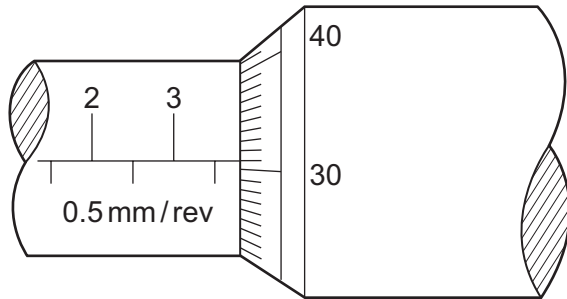4 The diameter of a cylindrical metal rod is measured using a micrometer screw gauge.

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 mm² **B** 11.4 mm² **C** 22.8 mm² **D** 45.6 mm²