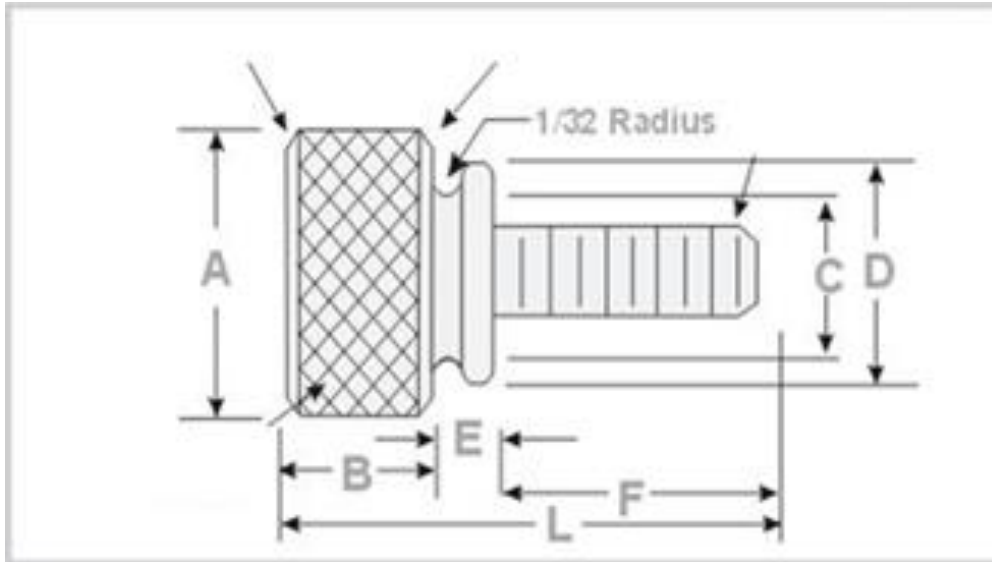


MEE2006 Machining Processes and Metrology G1

1. Explain the operations involved and their sequence of in producing the component given below.



What are the methods by which support is provided while turning a long cylindrical bar ?

2. Explain the role of the following components in a lathe with neat diagram(s).

1. Feed rod and lead screw.
2. Compound rest.

3. A part measuring 250 mm x 100 mm is to be machined using a shaper along its wide face. Calculate the machining time taking the approach and overtravel as 20 mm each. The shaper has a cutting-to-return ratio of 3/2. A machining allowance of 5 mm is given on one side of the plate width. Take cutting speed as 5m/min and feed as 1mm/stroke.