

THE CENTRE LATHE

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

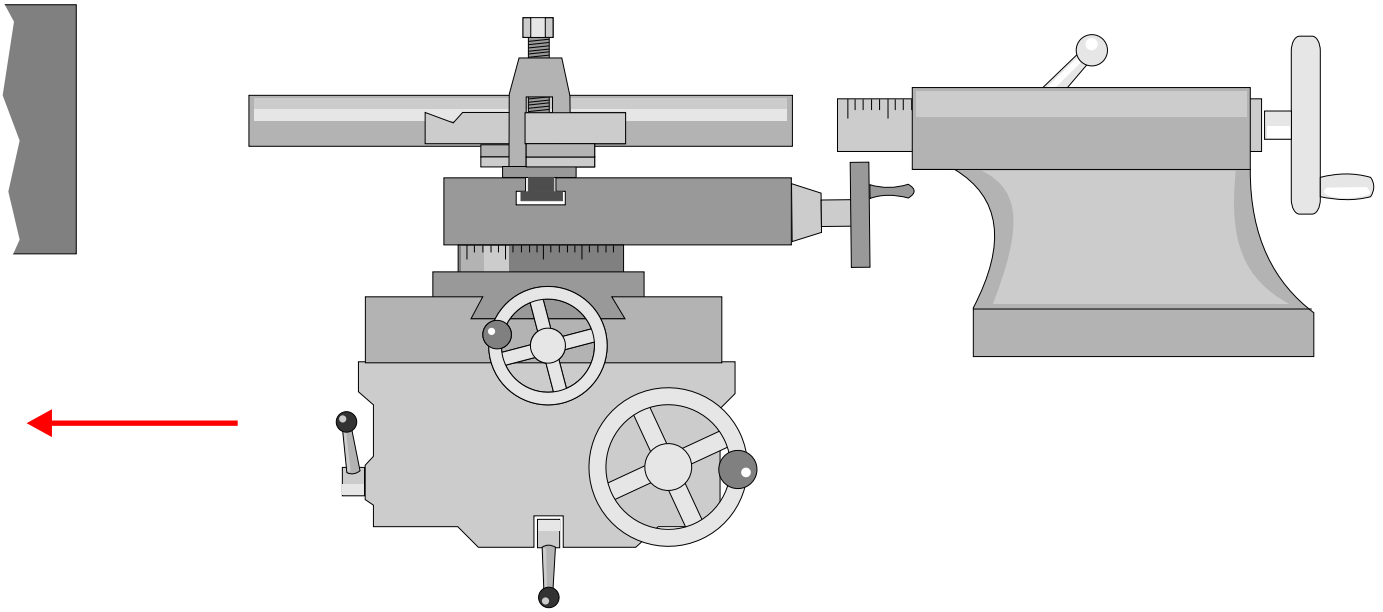
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1. Long pieces of material are secured between two centres when a long taper is being turned. Coolant is also applied. Add the two centres and the coolant supply to the incomplete drawing below.



2. Why is the material **not** secured between a normal three jaw chuck and a tailstock centre, when turning a long taper?

3. Why is it important to apply coolant to the area being turned when a taper is being manufactured.

4. When a lathe is set up to manufacture a long taper, the tailstock is adjusted so that it is 'off centre' (see diagram below). Sketch the side view of a tailstock, clearly identifying the necessary adjustment required for taper turning.

YOUR SKETCH HERE

