

Overview

This standard identifies the competences you need to prepare bench, pedestal grinding machines, and belt finishing machines for spring end grinding operations, in accordance with approved procedures. You will be expected to prepare the equipment to grind the ends flat and square, and to the correct dimensional requirements. This will involve selecting the appropriate grinding machine/equipment and spring holding device.

In preparing the machines, you will need to check that an appropriate grinding wheel or finishing belt is fitted, and that they are free from defects. You will be expected to prepare the grinding wheels for operation by dressing the wheels, and creating any necessary relief, as applicable to the operation to be performed. You must set up the machine work rest to give sufficient wheel clearance, in keeping with safe operating methods.

Your responsibilities will require you to comply with organisational policy and procedures for the spring end hand grinding activities undertaken, and to report any problems with the grinding machines, equipment or grinding activities that you cannot personally resolve, or that are outside your permitted authority, to the relevant people. You will be expected to work with a minimum of supervision, taking personal responsibility for your own actions and for the quality and accuracy of the work that you carry out.

Your underpinning knowledge will provide a good understanding of your work, and will provide an informed approach to the grinding of spring ends using hand methods. You will understand the spring end hand grinding equipment used, and its application, and will know about the spring holding devices, grinding wheels, wheel dressing, spring materials and consumables, in adequate depth to provide a sound basis for carrying out the activities, correcting faults and ensuring that the work output is to the required specification.

You will understand the safety precautions required when working with the spring end hand grinding machines, and with their associated tools and equipment. You will be required to demonstrate safe working practices throughout, and will understand your responsibility for taking the necessary safeguards to protect yourself and others in the

workplace.

SEMMME3124

Grinding spring ends by hand



Performance criteria

You must be able to: