

Construction Safety Guidelines No. 12

Bench Grinders

		
<p>DETAILS OF MACHINE</p> <ul style="list-style-type: none"> RPM to be displayed on the machine. Emergency stop button must be located on the machine. Keep the area around machine clear of all materials. Keep the machine switched off when not in use. 	<p>GURADING</p> <ul style="list-style-type: none"> Ensure that the guard is fixed to the machine. Guard must be replaced after carrying out any maintenance work if any. Cover the abrasive wheels after work is completed. 	<p>REST BRACKETS</p> <ul style="list-style-type: none"> Rest bracket should be properly secured & must be adjustable. Maintain a gap of 3mm between the rest bracket and the face of abrasive wheel. Keep the rest bracket in horizontal position.
		
<p>ABRASIVE WHEELS</p> <ul style="list-style-type: none"> Select the correct wheel for the job to be grinded. Ensure that the safe peripheral speed of the wheel is not exceeded. Abrasive wheels shall be mounted, balanced & dressed by trained and experienced person. Ensure that wheels are mounted using washers / blotters. Do not use wheels that have been dropped or cracked. It should give clear ringing sound. Worn out wheels must be replaced immediately. 	<p>SAFETY NOTICES / PPE</p> <ul style="list-style-type: none"> Display safety notices in the languages easily understood by the operators. Display names of the operators authorized to operate the machine. It is the responsibility of the contractor to provide appropriate PPE like face shield or safety goggles. Area supervisors will ensure that the operator uses the issued PPE. 	<p>TRAINING & USE</p> <ul style="list-style-type: none"> Provide appropriate training to the workers. Do not apply excessive pressure on to the wheels. Never grind on sides of the wheel. Do not try to stop the rotating wheel by hand. Any person mounting, balancing or dressing an abrasive wheel must be trained & appointed in writing.