

# EHS Guidance Notes



## GN # 12 – Bench Grinders

Environment, Health and Safety  
Ports, Customs & Free Zone Corporation

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