

Floor and Bench Grinder Checklist

General Requirements	Yes	No	N/A	Comments
1. Do grinding wheels fit freely on the spindle?				
2. Is forcing the grinding wheel on the spindle prohibited?				
3. Are all wheels closely inspected and sound tested by the user (ring test) to make sure they have not been damaged before being mounted? Note: Good wheels should produce crisp ringing type sounds. If wheel has a dead thud type sound, then discard wheel.				
4. Is the RPM or SFM rating of the grinder compatible with the RPM OR SFM rating of the wheel? Note: RPM or SFM rating of the grinder should not exceed that of the wheel or blotter.				
5. Is the spindle nut properly tightened to hold the wheel in place? Note: Spindle nuts should only be hand tightened to prevent over-torqueing of the nut which can result in wheel failure.				
6. Are all abrasive wheel operators required to use eye protection?				
7. Are all contact surfaces of the wheel, blotters, and flanges flat and free of foreign material?				
8. When a bushing is used in the wheel hole, is it positioned so it does not exceed the width of the wheel nor make contact with the flange?				
Floor and Bench-Grinding Machines	Yes	No	N/A	Comments
9. Are all Floor and Bench mounted grinders equipped with functional spark guards and work rests?				
10. Does the safety guard cover the spindle end, nut, and flange projections?				

11. Are work rests provided that are rigidly supported and readily adjustable?				
12. Are work rests kept adjusted closely to the wheel with a maximum opening of 1/8 inch to prevent the work from being jammed between the wheel and the rest?				
Floor and Bench-Grinding Machines	Yes	No	N/A	Comments
13. Do all machines with abrasive wheels greater than 2 inches in diameter have safety guards? Note: Some abrasive wheels may be equipped with flanges.				
14. Is the maximum exposure angle on all grinding wheels 180 degrees or less?				
15. When in use, is the guard on right angle head or vertical portable grinders located between the operator and the wheel?				
16. Is the guard on right angle head or vertical portable grinders adjusted so that pieces of a broken wheel will be deflected away from the operator?				
17. Is the top half of the wheel on other grinders always enclosed?				
Floor and Bench-Grinding Machines	Yes	No	N/A	Comments
18. Are the guard and its fastenings strong enough to retain fragments of the wheel in case of breakage?				
19. Are guards mounted to maintain proper alignment with the wheel?				
20. Are tongue guards at the top of the wheel of bench, floor stand, and cylindrical grinders adjusted to the decreasing diameter of the wheel so that the gap is never more than ¼ of an inch?				

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