

# Safety First

## *Twenty tips for safe grinding*

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# Twenty Do's and Don'ts for Safe Grinding

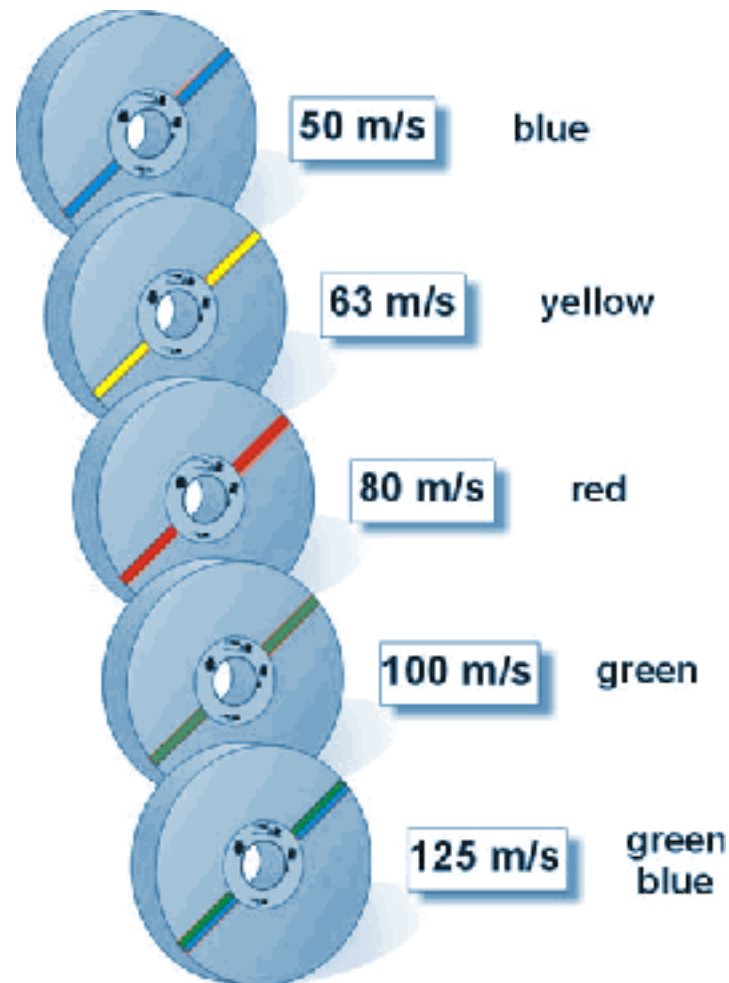
1. Always stand on the side when starting the wheel.
2. Allow newly mounted wheel to run at least for one minute before using.
3. Never grind on the side of the wheel.
4. Always shut off the coolant before stopping the grinder.
5. Never force the wheel by suddenly jamming work into it.
6. Grind only materials for which the wheel is designed.
7. Never force a grinding wheel onto a machine spindle.

## Twenty Do's and Don'ts for Safe Grinding

8. Diameter of the flange should be as recommended by the manufacturer.
9. Use flanges that are flat and clean.
10. Always wear safety glasses.
11. Always use a wheel guard that covers at least  $\frac{1}{2}$  of the wheel.
12. Stop the pneumatic grinding m/c , when the m/c is not in grinding operation.
13. Avoid excessive tightening of mounting nut.
14. Wheels should not be stored for excessive period before use.

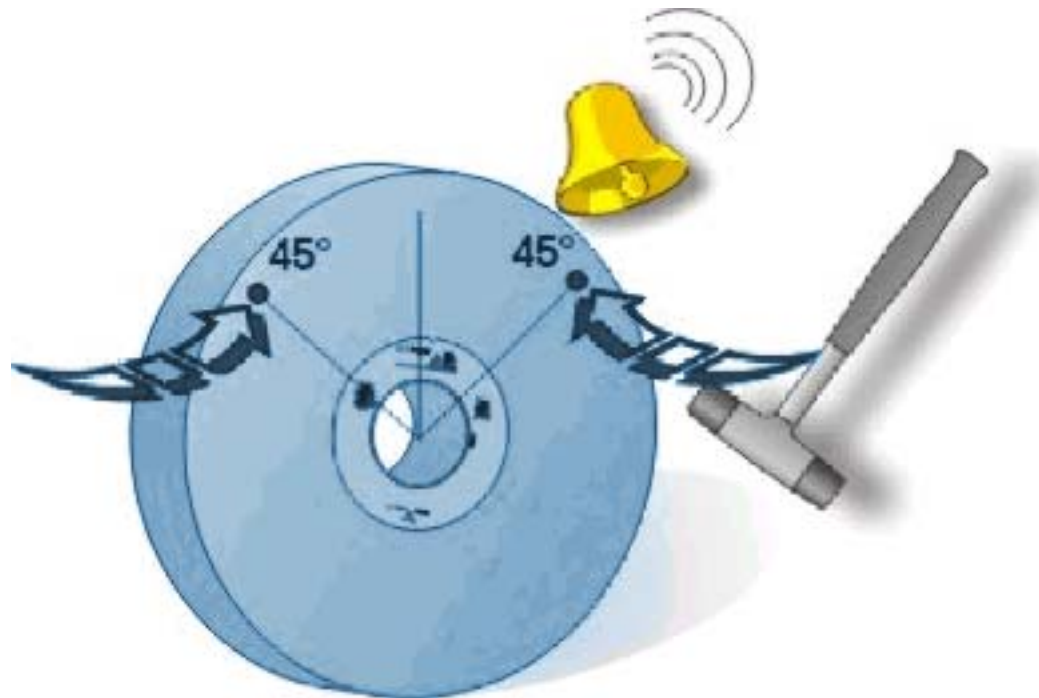
# Twenty Do's and Don'ts for Safe Grinding

## 15. Check Maximum Operating Speed against machine speed



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16. Vitrified Bonded Grinding Wheels: Every wheel should be sound tested before mounting. A clear bell like sound shows that the wheel is undamaged.



## Twenty Do's and Don'ts for Safe Grinding

17. Avoid excessive lateral pressure on the disc and cut off.
18. Avoid hacking of the wheel for increased cutting.
19. In case of depressed center discs, the difference between the flange depth and hub height should not exceed 0.35mm . If this precaution is not taken the clamping and grinding stress can result in breakage of disc.
20. Loose bearing and bent spindle may cause running out which may lead to wheel breakage.