



PLAY IT SAFE

— AT THE WHEEL —



ABRASIVES SAFETY CHECKLIST – for portable grinding and cutting applications

HANDLING AND STORAGE

YES NO COMMENTS

1. Wheels are handled carefully to prevent bumping/dropping
2. Dropped or damaged wheels are never mounted
3. Wheels are stored indoors in suitable racks, boxes, bins or drawers
4. Wheels are never exposed to water or solvents
5. Wheels are never exposed to temperature or humidity extremes
6. Wheels are used within their recommended shelf life

GENERAL MACHINE CONDITIONS

YES NO COMMENTS

7. The spindle is threaded such that the nut tightens during use
8. There is a visible arrow showing the spindle's direction of rotation
9. When mounted, all the threads of the nut are engaged
10. The machine operates at or below the wheel's max rated speed
11. The machine's operating speed is readily visible to the operator

MACHINE GUARDING

YES NO COMMENTS

12. The machine is equipped with a wheel guard
13. The guard is original to the machine or was obtained from the OEM
14. The guard covers at least 180° of the wheel's periphery
15. Type 01/41 wheels are guarded by side members on both sides
16. The guard in its current condition is able to contain a broken wheel
17. During use the guard is always positioned to protect the operator

FLANGES

YES NO COMMENTS

18. Flanges are at least 1/4 (cut-off) or 1/3 (grinding) of the wheel OD
19. Adaptor flanges are used with Type 27/42 wheels larger than 5"
20. Flanges are recessed
21. Flanges are uniform in diameter
22. Flanges are rigid and do not distort when tightened
23. Bearing surfaces are flat, smooth and uniform one flange to another

MOUNTING

YES NO COMMENTS

24. The user visually inspects each wheel carefully prior to mounting
25. The power source is disconnected during mounting
26. Wheels fit freely on the machine's spindle
27. All mating surfaces are flat and free of foreign particles
28. Sufficient but not excessive torque is used during mounting
29. The mounted wheel does not loosen during cutting/grinding

GENERAL OPERATING RULES

YES NO COMMENTS

30. Abrasive wheels & machines are under the care of trained users
31. Dust control measures are implemented
32. Appropriate PPE is worn (e.g. safety glasses, face shield, gloves, etc.)
33. The maximum operating speed of the wheel is never exceeded
34. Wheels are run for 60 seconds in an enclosure prior to grinding
35. Side grinding is only done with wheels designed for that purpose