



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

CUSTOMER: _____ COMPLETED BY: _____ DATE: _____