www.oSa-abrasives.org

#SAFE IS SUPER

SAFETY RECOMMENDATIONS
FOR THE USE OF BONDED ABRASIVE WHEELS

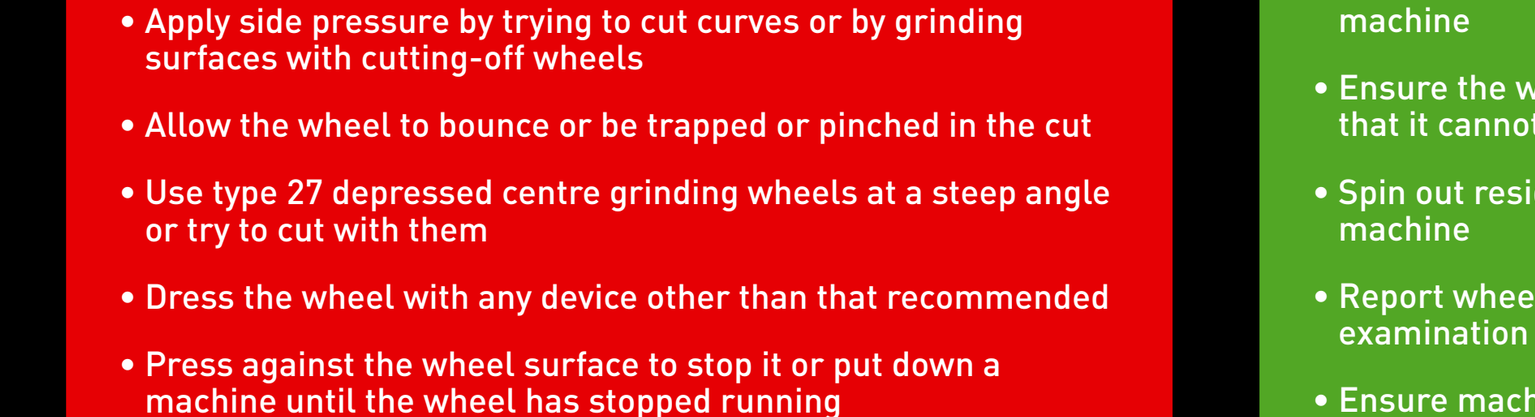
NEVER

- Permit untrained people to handle, store, mount or use abrasives
- Mount or remove a wheel until the machine has been isolated from its power source
- Mount a wheel that cannot be identi(ed or one which does not bear the correct marking
- Mount a wheel on a machine which does not display its spindle speed
- Mount a wheel which is beyond its marked expiry date or recommended shelf life
- Mount a wheel that has been dropped, damaged or incorrectly stored
- Apply force to (t the wheel on the mounting device or alter the bore size or allow the wheel to overheat
- Tighten)anges with excessive force or use a hammer or extension
- Use damaged, distorted or dirty)anges and fastening screws
- Use a machine which is not in good condition or one with a damaged guard
- Turn on the machine until the wheel guard has been re-(tted, secured and adjusted correctly
- Stand in the line of the grinding wheel when starting the motor after (tting or re-(tting a wheel
- Start the wheel in contact with the workpiece or any other object
- Mount a wheel on a machine running at a speed higher than the maximum operating speed marked on the wheel
- Work from a ladder or in a position where you do not have full control of the machine
- Impact the work onto the wheel or the wheel onto the work
- Grind on the side of a wheel unless it is specially designed for this application
- Apply side pressure by trying to cut curves or by grinding surfaces with cutting-off wheels
- Allow the wheel to bounce or be trapped or pinched in the cut
- Use type 27 depressed centre grinding wheels at a steep angle or try to cut with them
- Dress the wheel with any device other than that recommended
- Press against the wheel surface to stop it or put down a machine until the wheel has stopped running
- Wear the wheel down to the mounting)anges
- Allow the gap between the wheel and workrest to exceed 3 mm
- Allow coolant to run on a stationary wheel or leave the wheel running on an unattended machine

ALWAYS

- Observe the safety recommendations of the machine and wheel manufacturer
- Keep the working area well lit, clean, tidy and free from obstructions
- Avoid slippery and uneven)oors and do not work on ice or snow
- Ensure other workers in the vicinity and passers-by are protected from sparks and debris
- Exercise care when handling abrasive wheels – they can easily be damaged
- Store wheels in dry and frost-free conditions avoiding wide variations in temperature and the risk of damage
- Visually check the wheel for damage or defects and conduct a ring test before mounting
- Check that the wheel is the correct speci(cation for the application and that the markings are intact and legible
- Use the correct tools when mounting or removing a wheel
- Ensure mounting)anges are in matched pairs, clean, free from burrs and undistorted
- Use blotters to prevent wheel slippage where required
- Make sure that workrests and workpiece clamping devices are secure and correctly positioned
- Ensure guards are in position and correctly adjusted so that they do not foul the wheel
- Rotate the wheel manually to ensure that it runs true and freely before turning on the power
- Wear suitable protective clothing
- Run the wheel for at least 30 seconds at operating speed after mounting or re-mounting. Stand out of the line of the wheel when turning on the machine
- Dress bench grinding wheels regularly to keep the cutting surface in good condition
- Allow the wheel to come to rest naturally after turning off the machine
- Ensure the workpiece is properly supported or clamped so that it cannot move during grinding or cutting
- Spin out residual coolant from the wheel before turning off the machine
- Report wheel breakages, keeping hold of all of the debris for examination
- Ensure machine spindle speed is checked periodically using a tachometer
- Ensure that damaged or defective wheels and worn-out wheels are destroyed to prevent them from being used
- Ensure that the wheel is removed before transporting or storing portable machines

To minimise accidents due to unsafe abrasives only use products bearing the oSa® logo



THE SYMBOL OF SAFETY

oSa – THE ORGANIZATION FOR THE SAFETY OF ABRASIVES