



Safe Operating Procedure



Wirtgen W35 or W35Ri Grinder

Potential Health or Safety Concerns

- > Damage to equipment/vehicles (Accidents, Flying Debris, Spills/Drips)
- > Injuries to workers and public (Flying debris, Spills, Pinch Points, Crushing, Silica exposure, Noise)

Documentation

Complete and review a Hazard Assessment, Traffic Accommodation Plan (TAP) and Emergency Response Plan (ERP). Ensure you have an applicable road use permit (OSCAM, OSCP, etc.) and complete sign logs when required. Complete an equipment pre-trip inspection.

Equipment, PPE, and Apparel Required

CSA Approved 6" footwear, hard hat, gloves, reflective vest (Class 2-3), ear protection, eye protection, CSA Type 2 small first aid kit, fire extinguisher, and spill kit. Respiratory protection and valid mask fit test are required due to silica exposure. Coveralls are required due to silica exposure.

Training Requirements

- > Employees must be deemed competent prior to operating the equipment.
- > If a flagger is required, they must be certified.

Colas Lifesaving Icons

The following Health, Safety, or Environmental icons represent applicable risks to this procedure. Please see the **Lifesaving Icons** document for more information.



Hazard Evaluation and Control



Health Hazards



Impairment



Line of Fire



Energy Isolation



Competency



Safe Operating Procedure



Procedures and Precautions to Offset Hazards

1. **Inspection and preparation** > Check all fluid levels, tires, lights, controls, air filters. Grease grinding head and all accessible greasing points. Use the blower pack to remove dust and debris from the air filters and engine bay. Install the skip line computer, if required, and position pointers. Test all functions prior to doing a test run. Install correct width of grinding teeth on drum. Raise the beacon light so it is positioned above the operators head, visible from all directions while the machine is in use.
2. **Unloading** > Lower trailer ramps individually. Remove chains from machine. Perform inspection on the trailer prior to starting the engine. Start the engine and raise machine for clearance. Ensure truck/trailer hitch is in the closed and locked position. Reverse the machine in a slow and controlled manner, making sure to stay centered on the trailer and ramps. Return trailer ramps to their upright and secure position. Park the machine in a safe area on the jobsite.
3. **Milling Lines** > Ensure all traffic accommodation is in place according to the TAP. Perform a practice run, ensuring everything lines up and is functioning properly. Ensure all other workers are prepared to start operation. Silica will become airborne when the milling head is in contact with the road, ensure proper PPE is in use and proper distances are maintained from the unprotected public. Start the grinding operation. Grind depths need to be checked constantly to make sure the required depth is being maintained. Stay aware of lane line lengths and ensure the pre mark is being followed as close as possible.
4. **Awareness** > Always use a spotter or flag person when moving through any open lanes.
5. **Shut down** > Prepare unit for loading, removing the computer and any other objects that may be stored on the machine. Secure the pointer in an upright position. Lower the beacon light to the lowest setting.
6. **Loading** > Lower trailer ramps individually. Ensure truck/trailer hitch is in the closed and locked position. Start the engine and raise machine for clearance. Drive the machine onto the trailer in a slow and controlled manner, making sure to stay centered on the trailer and ramps. Return trailer ramps to their upright and secure position. Secure the machine as per the NSC regulations.
7. **Safe Keeping** > While the machine is not in use, always park in a safe area away from traffic and make sure the transmission is in the brake setting to prevent the machine from rolling. Place traffic cones around parked equipment.