

Safe Operating Procedure

Concrete Grinder



PERSONAL SAFETY



PRE OPERATIONAL SAFETY CHECKS

- Check grinding wheel is firmly secured and that the wheel is the correct type for the job;
- Inspect the grinding wheel before turning on the power;
- Visually inspect the equipment for wear or damage;
- Ensure all guards are in place and functioning properly;
- Inspect accessories and ensure that the correct accessory is installed for the work and is installed properly;
- Inspect the work area to determine the presence and location of deck inserts, pipes, columns and objects protruding from the slab surface;
- Test equipment for proper operation;
- Work area to be clean and unobstructed;
- Ensure adequate lighting and appropriate ventilation is provided;
- Ensure you are trained in the operation of the grinder.

POTENTIAL HAZARDS

- Noise;
- Eye Injuries;
- Electrical;
- Manual Handling;
- Dust;
- Vibration;
- Skin irritation;
- Contact with rotating blade.

OPERATIONAL SAFETY PRACTICES (CONTROLS)

- Ensure signage is erected that state concrete grinding is in progress and that respiratory protection is required;
- Beware of your environment; keep other people and animals away from the work area;
- Ensure barricades are erected to ensure that unsuspecting or unprotected personal do not enter into the work area where active work is in progress;
- Ensure an abatement system is used in areas where vacuums, water or barriers will not provide adequate protection from silica dust or where these controls are ineffective;
- Maintain adequate ventilation;
- Stand to one side of the wheel before turning on the power;
- Before starting the engine raise the front of the machine clear of the working area;
- Bring the engine to full speed before lowering the grinder onto the slab surface;
- When grinding use the operating face of the wheel only;

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- When wet grinding – water is required, attach the water hose to the water hook-up valve;
- When dry grinding – ensure a respirator and dust control system is used;
- Disconnect the grinder from the power source when making equipment adjustments or wheel changes;
- Ensure the wheel is facing up when placing the grinder down.

DO NOT:

- **Use wheels that are chipped or cracked;**
- **Operate a grinder with one hand;**
- **Use a wheel that vibrates;**
- **Over reach when operating grinder;**
- **Operate the grinder if tired or fatigued;**
- **Operate grinder guards are in place or secure.**

HOUSEKEEPING

- Disconnect the grinder from the power source before storing;
- Before putting down a grinder the wheel must have stopped;
- Clean up work area;
- Ensure clean up and disposal of silica dust is done in a controlled manner ensuring that there is no accidental release of the dust;
- Place mixer in a secure area or return to storage.