

STANDARD OPERATING PROCEDURES

Jaw Crusher

**DO NOT use this machine unless you have received authorization from the Shop Coordinator**



Safety glasses must be worn when operating this equipment.



Hearing protection required when operating this equipment.



Sturdy closed-toe shoes must be worn.



Long and loose hair must be contained.



Respiratory protection must be worn.



Gloves must not be worn during operation.

**Potential Hazards and Injuries**

- ⚠ Hair/clothing/gloves/limbs getting caught in moving jaws (entrapment or amputation possible).
- ⚠ Flying rock chips and dust (eye injury).
- ⚠ Struck by ejected objects e.g., too-large rocks (blunt trauma).
- ⚠ Silica dust inhalation (respiratory damage).

**Pre-Operational Safety Checks**

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Ensure that the wall-mounted dust collection system is turned on before starting the crusher.
- ✓ Position the dust collection intake near the output of the crusher.
- ✓ De-energize and lock-out machine before attempting any maintenance or when adjusting jaw plate distance.
- ✓ Ensure sample materials have been reduced to appropriate size to avoid getting stuck or kicking back from crusher.
- ✓ Ensure sample collection tray is in place under crusher output.
- ✓ Put on required PPE before using equipment.

**Safe Practices During Operation**

- ✓ Before making adjustments or before removing the sample collection tray, switch off and bring the machine to a complete standstill.
- ✓ Feed samples slowly and with care into the hopper to ensure thorough processing.
- ✓ Use the cover plate to block the hopper while samples are being processed.
- ✓ Keep long hair, clothing, and limbs away from the moving pieces of the crusher.

**Ending Operations and Cleaning Up**

- ✓ Switch off the machine and wait until the jaws come to a complete stop.
- ✓ Switch off the dust collection unit.
- ✓ Thoroughly clean jaws, input hopper, and output to avoid contamination.
- ✓ Leave the machine in a safe, clean, and tidy state.
- ✓ Use the shop vac, if necessary, to clean up rock debris on the floor.

**DON'T**

- ⊗ Don't use faulty equipment. Immediately report suspect equipment.
- ⊗ Never leave machine running unattended.
- ⊗ Do not attempt to unjam stuck rocks while the machine is running.

***SOP must be used in conjunction with an effective training program***