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IMPORTANT COVINGTON SAFETY DEMANDS

Covington Engineering designs machines with safety in mind. Please read our Safety Demands Sheet carefully and follow for your safety and the safety of others.

ELECTRICAL

Have your licensed electrician electrically ground your machines and equipment (against electrical shock) by complying with federal, state, and local laws. Locate electrical and in-line switch or switches so operator can immediately shut them off in an emergency.

DO NOT allow more than one person to operate a machine, unless you have a switch for each person, which is wired so that any one of the switches will stop the machine in an emergency. Keep children or visitors away from electrical devices and machinery.

DO NOT work on wet floors where electricity is present.

DO NOT plug into electricity until the motor switch is off and the proper voltage is supplied.

DO NOT leave motors running when not in use.

DO NOT wear jewelry or rings around electricity.

Locate all electrical cords away from moisture, rain, and moving parts.

Periodically check all cords for worn-frayed spots and replace or repair to code if needed.

Thermal protected motors will stop if overloaded. When they cool they will start automatically without warning. If the motor stops, shut the switch off for your protection.

OPERATOR AND PERSONS

Protect your person when operating machinery so you will not be injured.

1. Wear tight clothing. Loose clothes can be drawn into machinery.
2. Wear safety goggles to protect your eyes from flying particles.
3. Use a net or cap that will hold your hair inside, so it cannot be exposed. Hair is very dangerous as it can easily fly into machinery from airflow if loose and not covered.
4. Keep your hands and fingers away from “danger spots” or “pinch points” where they might be injured.
5. Keep children and visitors away from machinery.
6. Use a respirator to protect you from dust.
7. Take off loose jewelry before using machines.
8. Be sure that all moving parts are shielded, and all guards are in place before operating any equipment.

CHEMICAL

⚠ California Proposition 65 Warning

WARNING: Some of our products contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

For more information: www.P65Warnings.ca.gov

Very few people are allergic to lapidary chemicals such as polishes, grits, abrasives, sawing solutions, etc. If you show signs of rash or allergies of any kind when using any of the products, determine what one it is and stop using it. Check with your doctor.

Keep all chemicals away from children and never eat or drink these chemicals.

Keep all lapidary chemicals and grits out of your sewer drains or they may clog.

DO NOT allow coolants to get on floors. You could slip and fall.

Sawing solutions such as kerosene, diesel, and other low flash point oils are flammable. Do not smoke or have flame of any kind, such as a water heater in the area. Our #3 Covington Blade Koolerant is fully synthetic and not flammable. Rochound Oil is a great choice for cutting hard materials such as agates and jaspers because it has a raised flashpoint and minimal smell.

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MECHANICAL

Diamond blades will not saw your fingers but they will friction-burn if you press against them.

However, they will saw your finger nails like sawing a rock.

DO NOT use a diamond blade dry.

DO NOT use a diamond blade that is out-of-true or bent.

DO NOT try to straighten a bent blade.

DO NOT run a metal core diamond blade faster than 3800 surface feet per minute.

DO NOT run rubber expand type sanding drums faster than 3800 surface feet per minute and always have a perfect abrasive belt installed before starting.

NEVER MODIFY COVINGTON MACHINES – This will void all warranties and can be very dangerous.

PINCH POINTS – Pinch points on machines can be varied and numerous. These include but are not limited to areas with blades, belts, wheels, pulleys, disks, arbors, bearings, shafts, and other moving parts. This list is not exhaustive so please use discretion and take every precaution when operating equipment or performing maintenance.

Keep rags and foreign objects away from machines.

Be sure that all guards or covers are in place before running machines. The left-hand thread on an arbor must be on the left of the operator and the right-hand thread must be on the right. Arbor must rotate down next to the operator. ***Covington does make three units with reverse threads. These machines run up and away from the user. Make sure all nuts and flanges are on tight before use.***

ABRASIVE WHEELS ARE SAFE - USE BUT DO NOT ABUSE

DO always handle and store grinding wheels in a careful manner.

DO visually inspect all grinding wheels before mounting for possible damage in transit. If imperfect, do not use. If you drop a grinding wheel, do not use.

DO check maximum operating speed established for grinding wheel, against machine speed.

DO check mounting flanges for equal and correct diameter. (Should be at least 1/3 diameter of the wheel and relieved around hole.)

DO be sure work rest is properly adjusted. (Center of grinding wheel or above; no more than 1/8" away from grinding wheel.)

DO always use a guard covering at least one half of the abrading wheel.

DO allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before using and stand to one side of the wheel.

DO always wear safety glasses or some type of eye protection when using grinding wheels.

DO turn off coolant before stopping wheel to avoid creating an out-of-balance condition.

DO NOT leave sponges in contact with grinding wheels after use.

DO NOT force a wheel onto the machine or alter the size of the mounting hole.

DO NOT ever exceed maximum operating speed established for the grinding wheel. See wheel label.

DO NOT use mounting flanges on which the bearing surfaces are not clean and flat.

DO NOT tighten the mounting nut excessively.

DO NOT start the machine until the wheel guard is in place.

DO NOT jam work into the wheel.

DO NOT stand directly in front of abrading wheel whenever a machine is started.

DO NOT abrade material for which the wheel is not designed.

DO NOT allow a wheel to stand in water-always shut off water supply and allow wheels to run a few minutes to give them time to dry out.