



Company Name: _____ Job Site Location: _____

Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

Topic 468: Screw Gun (Electric Screwdriver)

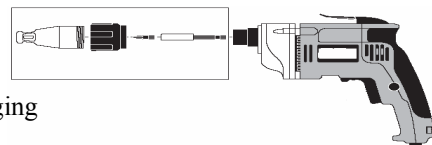
Introduction: A screw gun is a variable speed drill with an adjustable nose piece that will automatically drive a screw to a preset depth. The clutch will disengage when the screw is driven to the selected depth. Follow these safe guidelines for screw gun use.

OSHA requirements state that "Each employer shall be responsible for the safe condition of tools and equipment used by employees, including tools and equipment which may be furnished by employees. All hand-held powered drills shall be equipped with a momentary contact "on-off" control and may have a lock-on control provided that turnoff can be accomplished by a single motion of the same finger, or fingers that turn it on. Electric power operated tools shall either be of the approved double-insulated type, or properly grounded."



Operation Safety: Before operating the screw gun, always keep your work area clean and well lit. Cluttered benches and dark areas invite accidents. Do not operate screw guns in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Screw guns create sparks which may ignite the dust or fumes. Keep bystanders, children, and visitors away while operating a screw gun.

- **When operating** a screw gun outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use and reduce the risk of electric shock. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating.
- **Do not abuse** the cord. Never use the cord to carry the screw gun or pull the plug from an outlet. Keep the cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- **Unsafe practices** and inadequate housekeeping create potentially dangerous work-zones. Keep the work area free of trip hazards such as tangled power cords, cluttered material, scraps, stones, bricks, or other obstacles and obstructions.
- **Prior to beginning** screw gun operations, inspect each work piece for nails, knots, or flaws that could cause the tool to buck.
- **Avoid** body contact with grounded surfaces. There is an increased risk of electric shock if your body is grounded.
- **Do not expose** screw guns to rain, or wet conditions. Water entering a screw gun will increase the risk of electric shock.
- **Do not touch** any of the metal parts when driving screws into walls, floors, or wherever live electrical wires may be encountered.
- **Avoid** accidental starting. Be sure the switch is off before plugging it in. Carrying a screw gun with your finger on the switch, or plugging in guns that have the switch on, invites accidents. Do not force the screw gun.
- **Do not use** the screw gun if the switch does not turn it on or off.
- **Ensure** the selected screws and bits are appropriate for the task at hand.
- **Disconnect** the plug from the power source before making any adjustments, changing accessories, or storing the gun. This reduces the risk of starting the gun accidentally.
- **Remove** adjusting wrenches or switches, before turning the screw gun on. A wrench or key that is left attached to a rotating part of the screw gun may result in personal injury.
- **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the gun in unexpected situations.
- **When possible,** always secure your work on a stable platform using clamps or vices. The work-piece must be secured.



Personal Protective Equipment: Always wear eye protection. Eye protection is extremely important and must be worn when doing overhead operations. When operations present potential eye injuries, appropriate protection must be selected. Use a face shield, protective goggles, or approved safety glasses. **When appropriate,** wear non-skid safety shoes, a hard hat, hearing protection, and leather gloves.

- **Dust masks should be worn** when dust created by the screw gun contain chemicals. Some examples of these chemicals are: lead from lead-based paints, crystalline silica from bricks and cement, other masonry products, and arsenic and chromium from chemically treated lumber. (CCA). Work in a well ventilated area.
- **Do not wear loose clothing or jewelry.** Keep your hair, clothing, and gloves away from moving parts.



Conclusion: Many processes require the use of electric screw guns and are essential for completing the job. However, if screw guns are operated in a careless or unsafe manner, they can cause serious injury. Utilize these safety guidelines for the safe use of screw guns.

Work Site Review

Work-Site Hazards and Safety Suggestions: _____

Personnel Safety Violations: _____

Employee Signatures:

(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)

Foreman/Supervisor's Signature: _____

These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.