



OPERATING & SERVICE INSTRUCTIONS

Model PD-140 Air Operated Post Driver

Your Rhino Air Operated Post Driver has only one moving part, the piston, which strikes directly on the post to be driven. Your post driver is very efficient and with reasonable care and maintenance will give you trouble-free service.

It is **VERY IMPORTANT** to understand that your driver is a very powerful machine; it has to be to drive posts into the ground.

You must read and understand your post driver operating instructions before using your unit. It is also very important that you make sure all operators are trained to operate your post driver safely. If you or any operator doesn't understand any of the instructions, call Rhino collect, at (309) 853-5555 and we will be happy to answer any questions.

▲ WARNING – AVOID SERIOUS INJURY OR DEATH, READ BEFORE USING YOUR POST DRIVER!

- ▲ WARNING UNDERGROUND UTILITIES:** Be absolutely sure you know where all underground utilities are before driving so you can avoid hitting them while driving a post into the ground. Utilities include but are not limited to Electric, Gas, Telephone, Water, Sewer, TV Cable, Lawn Sprinklers, Etc. Hitting an underground utility could be **EXTREMELY DANGEROUS** for the operator and others.
- ▲ WARNING AIR PRESSURE:** You must use a Filter-Regulator-Lubricator combination with your Rhino Air Operated Post Driver. The use of the pressure regulator is required for safety. Set the pressure regulator at 100 PSI (7 kg/cm²). Higher air pressures will not make your driver perform better. High air pressure could cause your post driver to lift off and fall from the post causing serious injury or death. Do not tie down the throttle valve so it will not shut off when released. If the throttle valve does not stop the unit immediately when released, repair or replace it. Slowly squeeze the air throttle valve lever to start the driver. Opening the throttle valve slowly will prevent a violent start of the driver. Never use anything to keep the throttle valve lever in the open position other than the operator's hand. For safety, the valve must close, stopping the drive, when the operator releases the valve lever.
- ▲ WARNING CHUCK SIZING:** A chuck or chuck adapter that is too large for the post being driven may contribute to a condition which would allow the post driver to fall from the post causing serious injury or death. Do not use a chuck or chuck adapter that is too large for the post being driven. The post should be loose in the chuck or chuck adapter with a minimum of 1/8" (3 mm) clearance and not over 5/8" (15.9 mm) clearance. The post driver piston should hit the post as squarely as possible. If the fit is too loose, damage may be caused to the driver, its chuck or chuck adapter causing your driver, its chuck or chuck adapter to fail. Chucks and chuck adapters wear out and should be replaced as needed. Inspect your driver's chuck and chuck adapters frequently. If you are in doubt, return your chuck, chuck adapter, or any other part to the factory, freight prepaid, for a free inspection.
- ▲ WARNING SAFETY EQUIPMENT:** Do not operate the post driver unless the operator and any others near the post driver are wearing hard hats, safety glasses, safety shoes, ear protection, back supports, anti-vibration gloves, and any other safety equipment advised by, ANSI, NIOSH, OSHA, or any other safety regulatory agency, or the employer or the owner of this post driver.
- ▲ WARNING SAFETY CHECKS:** Check your driver daily for loose bolts, cracks, bulges or abnormalities in welds, castings, chuck or chuck adapters, top cover plate, piston, air line, or any other part. Do not repair any parts. Immediately replace worn or defective parts with new parts. Do not run the unit with worn or defective parts. If you are in doubt, return your driver, chuck, chuck adapter, or any other part to the factory, freight prepaid, for a free inspection.

