



#749-007-637 Sinclair Arbor Press

200 South Front Street • Montezuma, IA 50171 • 800-717-8211
260-482-3670 • www.sinclairintl.com • support@sinclairintl.com

Congratulations! You have purchased another fine Sinclair Reloading Product. Please take a few minutes to read the following instructions for the use and maintenance of your new Arbor Press.

The Sinclair Arbor Press is designed specifically for use with L.E. Wilson neck sizing and bullet seating dies. This press will provide the user with a lifetime of use if it is used and maintained properly.

- It is absolutely not designed for use in any type of full length or body sizing.
- It is not designed for swaging bullets.

The Sinclair Arbor Press has a stainless steel rack and pinion mechanism inside the head. When used with proper dies and bushings the gear ratio of the press only requires the user to use minimal force on the handle to perform routine neck sizing or bullet seating operations. If you have to exert an extreme amount of force on the handle, then something is wrong with the operation and you will potentially damage the gear mechanism.

If you meet with considerable resistance when sizing a case, the problem can be narrowed down to the following two causes:

- 1) Your rifle's chamber is oversized (usually at the base). When this situation occurs, your fired brass can be fire formed beyond SAMMI specifications. When you try to press this brass into a Wilson neck sizing die, you actually begin to size the body of the case.

Prevention Suggestion: To prevent this problem, try inserting a fired case into your Wilson dies (without the bushing installed in the neck sizer). The case should slip into the die with no resistance. If your fired case does not slip into the die(s) in a similar fashion as described, we recommend first cleaning and degreasing the die. If your fired cases still do not slip into the die we recommend sending the die(s) to Wilson as prescribed in the instructions included with all Wilson dies. The other option is to switch to using 7/8-14 threaded dies. If you switch to a full-length die watch for signs of excessive case stretching.

- 2) You may have selected a bushing that is too small. If this is the case you will experience difficulty in pushing the case down into the die. This causes a few problems: 1) it puts too much stress on the Arbor Press, 2) you are potentially causing a pressure increase in your chamber, 3) you are probably shaving off part of the bullet jacket material when you seat bullets into this tight of a neck, and 4) this much neck tension is probably not doing any thing but hurting your overall accuracy.

This same problem can exist if you are neck turning cases for a factory chamber and removing an excessive amount of brass from the neck. Cases that have been turned down too much have to



stretch further to seal the chamber upon firing. They also get overworked because you have to use a smaller bushing to get some bullet grip.

Prevention Suggestion: To prevent these problems select the correct bushing for your neck sizing die. The right bushing for a properly turned neck or unturned neck is usually .002" smaller than the neck diameter of a loaded round. You should never select a bushing for a Wilson neck die that is more than .003" smaller. If you are neck turning for a factory chamber, turn only enough to uniform the neck thickness.

Arbor Press Maintenance

Following the prevention suggestions above and maintenance instructions below will ensure a lifetime of use for your Arbor Press. We suggest cleaning and re-lubing the rack and pinion system of your Arbor Press yearly, depending on the frequency of use. First unscrew the cap screw capturing the spring using a 7/64 Allen wrench, remove the spring, washer and cap screw and set them aside. Next remove the E-clip holding the rack and pinion together from the left side of the aluminum head. Using a flat head screwdriver, gently pry or push the clip out (take care not to scratch the aluminum), there is some tension on this clip so be careful not to allow it to fly out. With the spring, washer, cap screw and E-clip removed, the rack and pinion should disassemble easily by pulling the handle straight out to the right. Degrease the gears on both of these parts thoroughly using Quick Scrub or some other degreasing agent. Re-lubricate using a clean semi-solid grease (we use white lithium for initial assembly) and reassemble.

Maintenance of Wilson Neck Sizing and Bullet Seating Dies

Keep dies cleaned out with an aerosol gun cleaner or some patches and solvent. Also try to keep your cases free from powder residue and other debris before inserting them into your dies. Debris will collect inside your dies from cases and cause some resistance in the die. Continued use of dirty cases will scratch your cases and lap the inside of your dies.

Sinclair International will not be held responsible for damage done to reloading dies or the Arbor Press due to misuse of this tool. Using the Sinclair Arbor Press for operations other than neck sizing and bullet seating with hand dies will void the lifetime warranty on this tool.