

# PROTECTS REPUTATIONS. AND FAMILY JEWELS.

A bad swage can crack a tube and cause system leaks. An errant swing of the hammer could do the same. Avoid both with our newly designed Compact Swage Tool. With less effort, you've got more control to deliver a picture-perfect swage every time. Just be sure to use it on soft tubing materials such as copper, aluminum, brass and steel.

## Swaging Instructions:

1. Prep the tube for swaging by cutting to length and deburring the inside of the tube end.
2. Holding the Compact Swage Tool, choose the correct size expander head for the tube you are swaging, and screw onto the body.
3. Slide the tube onto the expander head to be flush with the back of the insert, and pump the handle until desired swage is made.
4. Depress the green release button on the back of the body of the tool to release the expander head from the swaged tube.
5. Take the tubing off.
6. Use saved energy to conquer next job.

## Compact Swage Maintenance:

After every 20 uses, we recommend the user remove the expander head and re-grease the cone underneath using multi-purpose NLGI1 or NLGI2 grease.

## Adding Hydraulic Fluid to the Compact Swage Tool

After 10,000 uses or more, the hydraulic fluid may need to be replenished.

**NOTE:** The adding of hydraulic fluid should be performed in an appropriate place. There is a probability some may be spilled during the process.

### Instructions:

1. Place tool upside down in vise, or secure in another suitable manner.
2. Unscrew handle counter-clockwise to remove handle and hydraulic fluid reservoir.
3. Unscrew cap from reservoir carefully to avoid spilling fluid.
4. Add fluid until reservoir is full (approximately .281 fluid ounces if empty). HV-15 Hydraulic Fluid is recommended for optimum performance.
5. With reservoir cap off, bleed air out of tool by squeezing pump handle numerous times, followed by pressing the release button.
6. As air bleeds out, the fluid level may decrease. Repeat steps 4 and 5 until the fluid level does not decrease.
7. Screw cap back onto reservoir.
8. Screw handle back onto tool.
9. Clean any excess hydraulic fluid as needed.