



## **Thomas C. Wilson, Inc.**

21-11 44th Avenue, Long Island City, NY U.S.A. 11101-5088

SM-278

### **OPERATING INSTRUCTIONS FOR HYDRAULIC TUBE PULLER MODEL APP-1500**

#### **Setting Up**(See attached diagram)

1. Fill pump tank with hydraulic oil. Minimum 1 Gallon - Wilson No. 74478-0041
2. Uncoil hydraulic hose and connect quick-connect couplings to the connectors on power unit and the hydraulic ram, screwing in hand tight.
3. Connect air supply hose to air inlet. An minimum air supply of 50 cfm @ 90 psi is required.
4. Bleed air out of the hydraulic hoses. Turn valve at pump to advance piston. Hold for 5 seconds, then turn valve back to return piston. Repeat 2-3 times.

#### **Tube Pulling Procedures**(See attached illustration)

1. Select proper spear.
2. Thread spear into tube end.
3. Attach Notched Extension to spear, drive with an impact wrench and a 3/4" hex. socket.
4. Slide Pulling Ram(with Collar\* in place) over Notched Extension and spear.
  - Collar must be of proper length in order to engage outermost notch on Notched Extension.
5. Engage Notch Lock in Notched Extension.
6. Activate hydraulic pump by turning valve to advance cylinder piston.
7. Hold until tube is pulled free of tube sheet.
8. Turn valve to return piston into Pulling Ram.
9. Release Notch Lock and slide Ram free from spear and Notch Extension.
10. Remove spear from pulled tube.