



# PT HYDRAULIC HOLE PUNCH KIT



- Fast, easy punch kit for 10 gauge mild steel conduit
- Compact design for field use on jobsites and maintenance work.
- Punches much faster than wrench method.
- Can be used with non-round punches (with adapter).
- 3-foot hose
- Powerful 11-ton hydraulic ram.
- Heavy duty steel carrying case

## PT® 1/2" to 2" Punch Kit

Driver, hand pump, standard punches dies and draw studs for 1/2" thru 2" conduit, adapter, spacers, step bit and steel case  
(33-20-850)

## PT® 1/2" to 2" and 2-1/2" to 4" Punch Kit

Driver, hand pump, standard punches dies and draw studs for 1/2" thru 2" and 2-1/2" thru 4" conduit, adapter, spacers, step bit & steel case  
(33-20-870)



FOR PRODUCT OR WARRANTY INFORMATION CONTACT  
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**DESCRIPTION:**

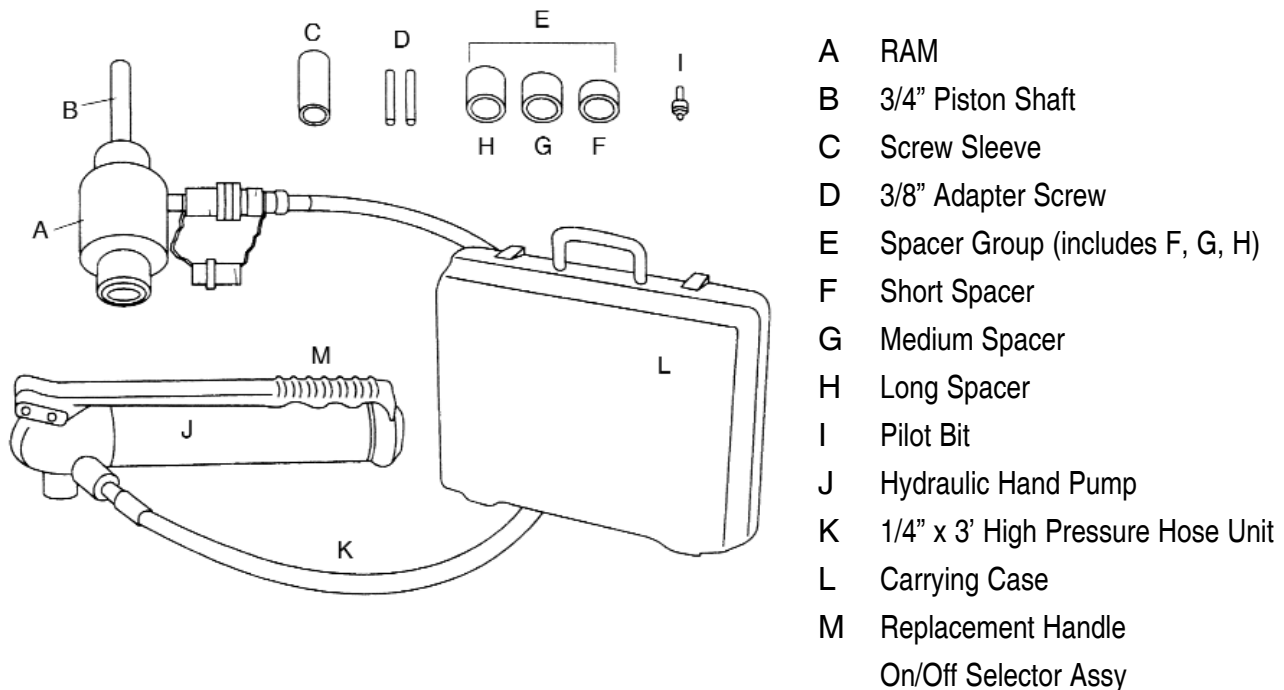
The PT hydraulic punch driver sets combine with the PT Hydraulic Ram with the PT hand pump or the PT Foot pump. These hydraulic driver sets are intended to be used with either PT punches and dies to punch holes through plastic, fiberglass, aluminum and steel.

Round punches are available for punching holes from 1/2" to 5-5/8" in diameter, including 1/2" through 5" conduit and pipe sizes.

The maximum thickness of material that the punch can penetrate depends on the size and shape of the punch.

**SAFETY:**

Safety is essential in the use and maintenance of PT tools. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe the safety information provided.



**OPERATING INSTRUCTIONS:**

1. Remove dust caps from couplers; attach hose to the ram and to the pump. Thread the dust caps together.  
*Note: Hand-tighten the couplers completely until all threads are engaged. Do not use tools for this.*
2. Select the punch, die and draw stud that will make your appropriate size hole.
3. Determine and mark the exact location for the hole. Using a drill bit that is slightly larger than the draw stud, drill a hole. This will be your pilot hole.
4. Thread the 3/4" piston shaft (B) completely into the ram (A). See illustration.  
*Note: For a punch and die with a 3/8" center hole, thread the 3/8" stainless steel adapter screw (G) into the end of the piston shaft. For a punch and die with a 1-1/8" center hole, thread the screw sleeve (F) onto the piston shaft*
5. Install spacers as necessary. See illustrations below.
6. Slide the die over the draw stud with the open end of the die facing away from the ram.
7. Insert the draw stud with the open end of the die facing away from the ram.
8. Thread the punch onto the draw stud with the cutting surfaces of the punch facing the material. Tighten the punch by hand until the spacers, die, material and punch are snug.  
*Note: All of the punch threads must be engaged by the draw stud threads. If any of the punch threads are not engaged, disassemble the setup, remove one of the spacers and reassemble the setup.*

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**CAUTION: DO NOT OPERATE THE PUMP AFTER RAM MOTION STOPS.  
CONTINUING TO OPERATE THE PUMP LEVER AFTER THE RAM STOPS WILL DAMAGE THE RAM**

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*Note: If the ram stops before the hole is complete, stop pumping. Check that the setup is correct and that you have not exceeded the tool's capacity. See the setup instructions. If necessary, disassemble the setup and add a spacer*

9. Activate the pump. For specific instructions, see the operating instructions supplied with the pump.  
*Note: Support the weight of the ram when operating the pump. This will prevent the ram from falling when the punch is complete.*
10. Release the pressure at the pump.

