

### Panel Punch

#### Descriptions

The panel punch is designed for punching mild metal plate, like switch board, power transmission panel, meter plate, and steel plate. It carries many advantages of good design, easy operation, high pressure, high efficiency etc. They are the perfect tool to be used in electricity, construction site.

Cutout Dimensions: 45 x 92mm (1.772" x 3.622").

Designed for 1/8" DIN.



#### Operating Instructions

1. Select the appropriate punch, die and draw stud for appropriate size hole.

Do not exceed the rated capacity of this tool; otherwise it will caused a component failure, which could throw broken parts with great force. Failure to observe this warning can result injury or death.

2. Drill a lead hole 11.5mm diameter by electric drill on the metal sheet, use a drill bit that is slightly larger than the draw stud, drill a hole.
3. Thread the draw stud completely into the ram.
4. Slide the spacer onto the draw stud to protect the cylinder, and the die after, then let the metal sheet go through the draw stud by the hole. Last thread the punch facing the steel plate. Make sure the spacer, punch, die and material are parallel close.

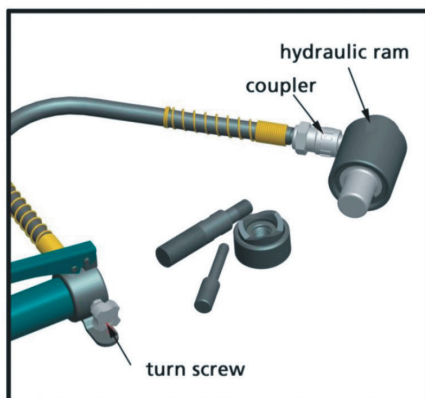
An improper setup could cause the components damaged.

5. Pump the pump handle till completely punching.

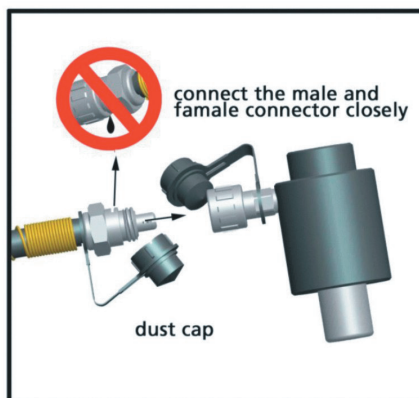
Do not operate the pump after ram motion stops. Continuing to operate the pump lever after the ram stops will damage the ram. If the ram stops before the hole is complete, stop pumping, check that the setup is correct and that you have not exceeded the tool's capacity. See the setup instruction. if necessary, disassemble the setup and add or remove the spacer. make sure the punching completely during the operation to avoid the scrap remaining the down punch.

6. Turn the screw anticlockwise to release the pressure at the pump.

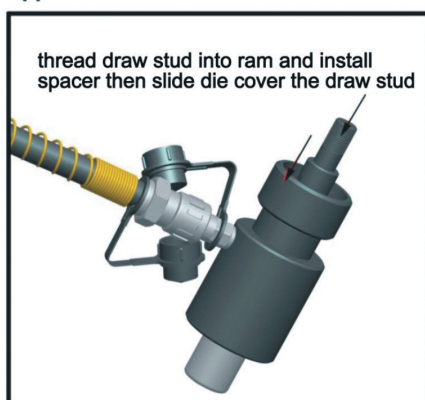
Do not allow anyone to stand in front of the punch or behind the hydraulic ram. Ignore this warning can result in injury or damage.



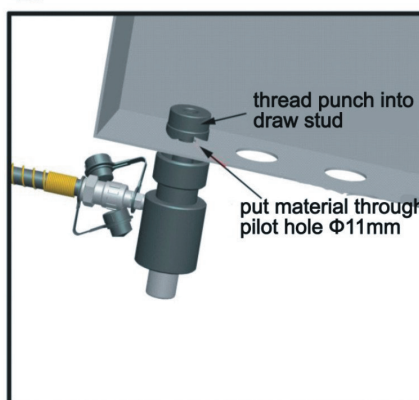
1.



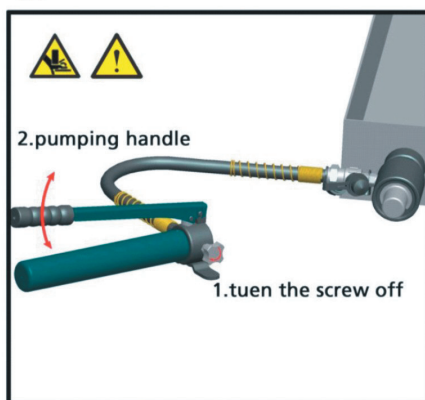
2.



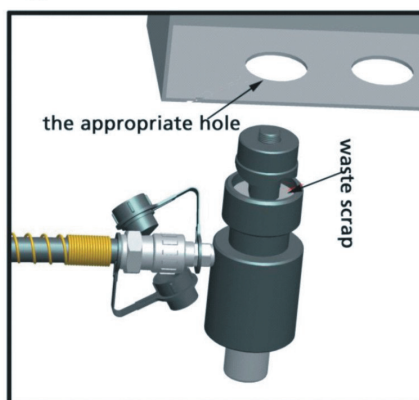
3.



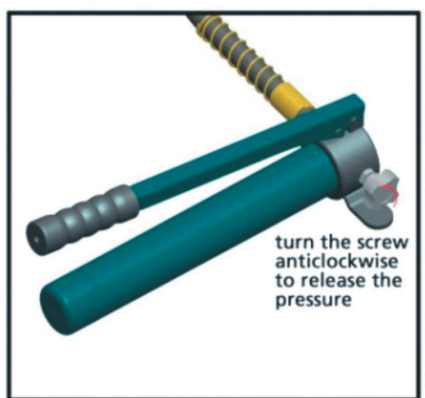
4.



5.



6.



7.

**Maintenance**

Damaged equipment may cause serious personal injury. Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further using.

1. Before each using, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, or any other condition that may affect its safe operation.
2. After using, clean external surfaces of the tool with clean, moist, smear the rust preventing oil on the metal surface of the tool and the dies to avoid rusty. Store the tool in the dry environment.
3. Service to the tool should only be done by a qualified Service Technician.
4. After a long time using, the sealing kits will be damaged, if there is leakage please contact with the manufacturer and/or the distributor to change the sealing kits.

Please wear the rubber gloves to avoid skin touching the oil directly, if touches it in careless, please wash the skin by soap water in timely. In order to protect the environment please drain the waste oil to the treatment center where was approved by government.

**Trouble Shooting**

<b>Fault</b>	<b>Analysis</b>	<b>Solution</b>
A. No pressure or the pressure is not enough during operation	1. The pump lack oil 2. There is dust exist in oil 3. Inner leakage	1. Fulfill or replace the oil 2. Change the oil 3. Contact manufacturer or distributor
B. Oil leakage on the head or on the ram	1. Sealing kit broken	1. Contact manufacturer or distributor and replace it by trained person