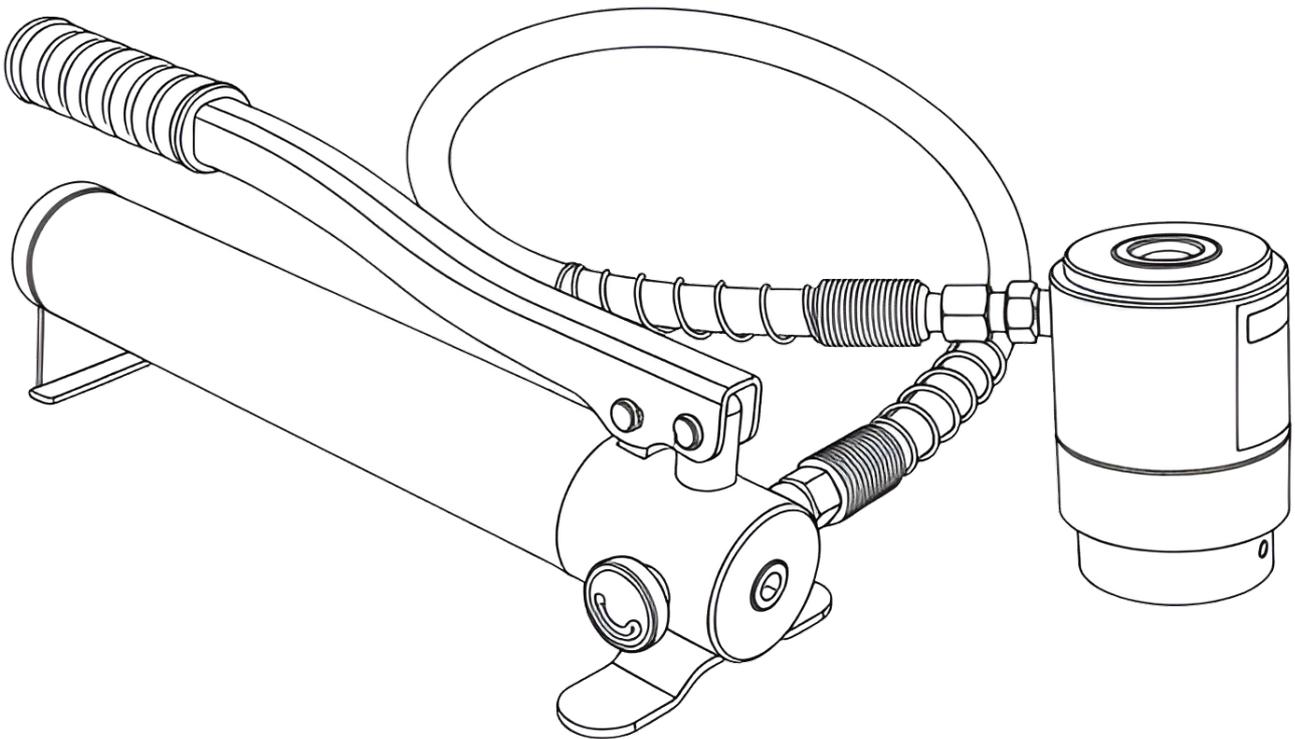


Instruction Manual

Hydraulic Knockout Hole Puncher



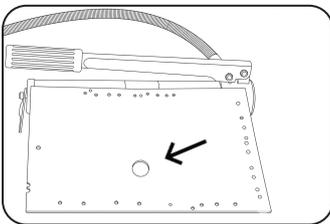
SYK Series

For your safety, please read and understand this instruction carefully before you use it. Please keep this instruction in good order. Please give the instruction to the new user when the product is changed.

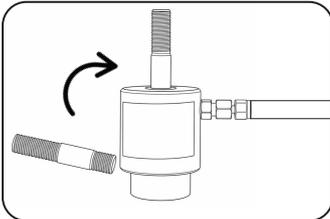
Introduction

The SYK Series Hydraulic Knockout Punch is designed for fast, accurate, and burr-free hole punching in mild steel, stainless steel, aluminum, and similar materials. The system utilizes a manual high-pressure hydraulic pump to drive a punch and die set, producing clean holes with minimal operator effort. These tools are suitable for electrical panel fabrication, switchgear production, conduit installation, and general metalworking applications.

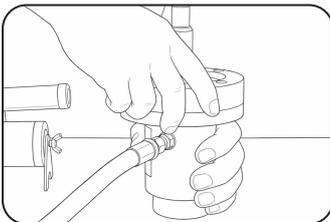
Operating Instructions



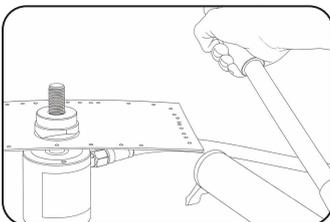
Drill a guide (pilot) hole in the workpiece according to the draw bolt diameter.



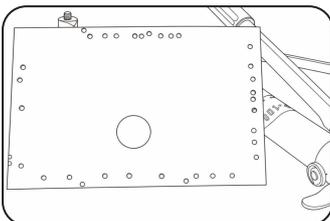
Thread the draw bolt securely into the hydraulic punch cylinder.



Place the lower die on one side of the workpiece and the punch on the opposite side, then insert both onto the draw bolt in correct alignment.



Close the release valve and operate the pump handle to build hydraulic pressure until the punch fully penetrates the material.



Slowly open the release valve to retract the piston, then remove the punch and die set and clear the metal slug.

Safety Precautions

- Always wear proper protective equipment.
- Ensure correct alignment of punch and die before operation.
- Do not exceed the rated punching capacity.
- Keep hands clear during operation.
- Release hydraulic pressure after use.

Troubleshooting (Basic Guide)

Problem	Possible Cause	Solution
Cylinder does not extend	No hydraulic pressure	Check pump and connections
Slow movement	Air in system	Bleed air from cylinder
Oil leakage	Damaged seals or hose	Replace damaged parts
Uneven movement	Off-center load	Reposition load

Maintenance

- Keep all parts clean after use.
- Lubricate threads and moving parts regularly.
- Check hydraulic oil level and refill if necessary.
- Replace worn punch and die to maintain hole quality.
- Store the tool in a dry place.

Specification

Model	SYK-8B	SYK-8A	SYK-15
Pump System	700 Bar / 10000 PSI Pump	700 Bar / 10000 PSI Pump	700 Bar / 10000 PSI Pump
Output	10 Ton	10 Ton	15 Ton
Ram Stroke	25 mm	25 mm	25 mm
Max. Thickness	1.7 mm (Stainless Steel) 3.5 mm (Mild Steel)	1.7 mm (Stainless Steel) 3.5 mm (Mild Steel)	1.7 mm (Stainless Steel) 3.5 mm (Mild Steel)
Punch Range	22-60 mm	16-51 mm	63-114 mm
Punch Dies	22,27.5,34,43,49,60 mm	16,20,26.2,32.6,39,51 mm	63,76,89,101,114 mm

**BARTON
TOOLS**