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# **HYDRAULIC PUNCH DRIVER USER'S MANUAL**

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

**SYK-8B/SYK-8B-1/SYK-15**



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Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there is any technology or software updates on our product.

# INTRODUCTION

SYK Series hydraulic punching tool is a professional tool for punching metal sheet, such as steel sheet, copper sheet, aluminum sheet. Before use the tool, please read the instruction and the requirement carefully. The mounting and disassembling of spare parts need to be carried out by trained person.

Warranty is 12 months from the time of delivery under proper operation

## Attention

Make sure the oil pipe is (No. 13) well connected with coupler on the cylinder (No. 5) and pump.

- ✳ Make sure to turn the rotary screw (No. 9) 180 degrees, otherwise it will cause leakage.
- ✳ Make sure the pump is in the horizontal during working.
- ✳ Make sure the cover (No. 8) covers the coupler without working, it will protect the tools from dusty.



## Warning

- 1) A component failure could cause broken parts.
  - Do not allow anyone to stand in front of the punch or behind the hydraulic ram.
  - Close access doors or covers on any equipment that is in line with the punch or ram.
- 2) Do not attempt to punch a hole through two or more layers of material. This will bend or break the draw stud, and could throw parts with great force
- 3) Set up the tool properly. An improper setup could cause a component to fail and strike nearby personnel with great force.
  - Thread the punch completely onto the draw stud. All of the punch threads must be engaged by the draw stud threads. Incomplete assembly could cause a component failure.
- 4) Replace worn, damaged or missing components with Vevor replacement parts. Worn or damaged components can fail, resulting in injury or property damage.
  - Inspect the pump, hoses, couplers, and fittings for wear or damage.
  - Inspect all punch components (punch, die, draw stud, etc.) for wear or damage.
- 5) Do not exceed the rated capacity of this tool. Exceeding the rated capacity could cause a component failure, which could throw broken parts with.

Failure to observe these warnings could result in severe injury or death.

## Caution

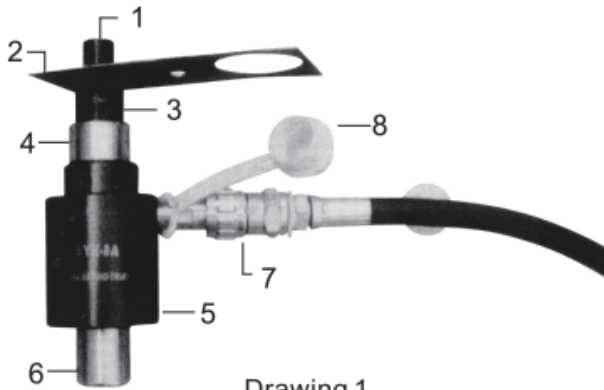
The punch driver will fall free when the punch is complete.

- Support the weight of the tool when punching.
- Do not allow anyone to stand beneath an overhead punch.

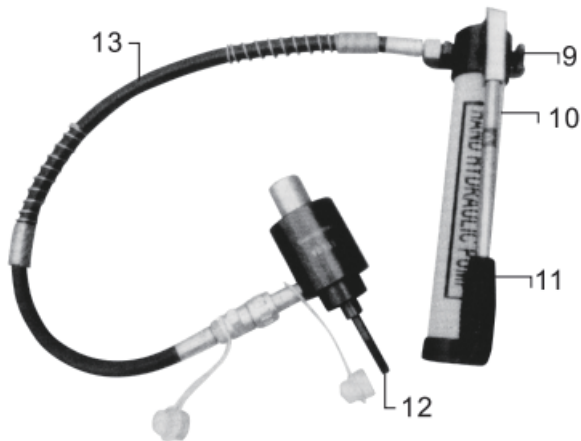
Failure to observe this warning may result in injury or property damage.

Use this tool for the manufacturer's intended purpose only. Any other use may result in injury or property damage.

## DESCRIPTION OF PRODUCT



Drawing 1



Drawing 2

### PROHIBIT PUMP WITHOUT PUNCHES!!!

1.upper punch	2.metal sheet	3.down punch	4.metal gasket
5.cylinder	6.Piston	7.coupler	8.cover
9.tum screw	10.pump body	11.movable handle	12. bolt
13.oil pipe			

## PRODUCT SPECIFICATION

Model SPEC.	SYK-8B		SYK-8B-1		SYK-15	
Max. Punch Force	10T		10T		15T	
Stroke	15~18mm		15~18mm		15~18mm	
Thread Specification	M20X1.5/ M10X1		M20X1.5/ M10X1		M20X1.5/ M10X1	
Materials	carbon steel	201 stainless steel	carbon steel	201 stainless steel	carbon steel	201 stainless steel
Sheet Thickness	T=3mm	T=1mm	T=3mm	T=1.2mm	T=3mm	T=2mm (≤2inch) T=1.5mm (> 2inch)
Punch Type	Three-petal punching type		Double punching type		Double punching type	
G.W	10.3Kg		9.8Kg		19.8Kg	
N.W	8.1Kg		7.7Kg		16.3Kg	

Model Parts	SYK-8B	SYK-8B-1	SYK-15
Hydraulic Punch Driver	1	1	1
Bolt	2	2	2
Round Punch(inch)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 3-1/2, 4
Round Punch(mm)	Φ22, Φ27.5, Φ34, Φ43, Φ49, Φ60	Φ22, Φ27.5, Φ34, Φ43, Φ49, Φ60	Φ22, Φ27.5, Φ34, Φ43, Φ49, Φ60, Φ76, Φ89, Φ101, Φ114
Multiple Diameter Drill	1	1	1
Toolbox	1	1	1
User Manual	1	1	1

## OPERATION

Step1: Before punching, drill a lead hole  $\Phi$  11.5mm by electric drill on the metal sheet.(No.2) Select appropriate punch(No.3 and No. 1) set and the right bolt (No. 12) at first.

Attention: The diameter of round punch below 22mm, use M 10X1" bolt(called small bolt). The diameter of round punch above 22mm,use M 20X1.5" it(called big bolt). Each square punch accessorily with one bolt.

Step2: then Screw the bolt into the cylinder(No.5),put the metal gasket(No.4) into the bolt to protect the cylinder surface, following screw the down punch(No.3) and put the metal sheet(-No.2)after screw the upper punch (No.1), made the knife edge next to the machined surface closely.

Step3: In order to start punching procedure,the turn screw (no.9) must be turned 180degree anticlockwise while movable handle is pushed towards the pump body (No.10). A punching process is initiated by pumping the movable handle(No.11),the piston in the head is pushed by the oil pressure and the piston drive the upper and down punch move towards ahead, make sure the two punches touched slightly,the punching process will be finished by the metal punching through completely.

Attention: make sure the punching completely during the operation to avoid the scrap remaining the down punch.

## MAINTENANCE AND SERVICE

The products should be storage in right way . Avoid and strike or hard hit. Do not use beyond the working range.keep clean afte operation and apply grease to prevent rust. Structure of assembling strict,without any disassembles at will. Keep clean during disassembly to prevent dust from entering the equipment. It is normal that little oil leaked and file the oil in time after long-time using.

Maintenance: please unscrew the nut of head, spring, steel ball. pull out the steel ball and then reset the steel ball meanwhile knock the steel ball a bit, make sure the space between the steel ball and inner aide. Last reset the spring and screw the nut tightly.

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