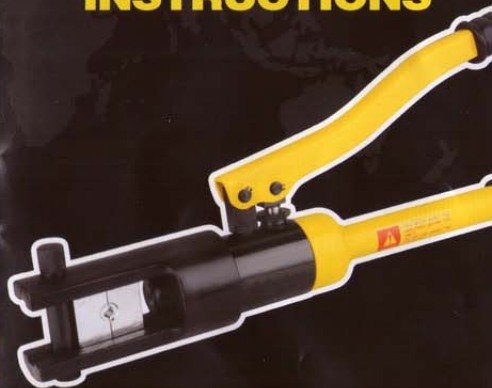


**Hydraulic**  
Crimping Tools  
**INSTRUCTIONS**

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# Hydraulic Crimping Tools

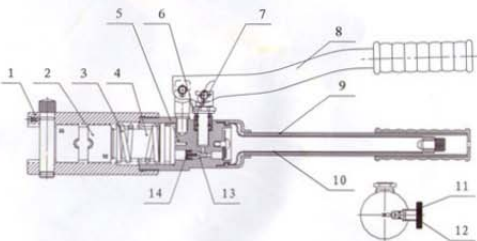
## 1、 Introduction

YQK Series hydraulic crimping tool is a professional tool for crimping lugs, terminals and conductors on cable. Before starting use the tool please read the instruction carefully and as the required to use the tool. The mounting and disassembling of spare parts need to be carried out by trained person.

## 2、 Warranty

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

## 3、 Description of unit



1. Head of tool	2. Dies	3. Piston
4. Oil return spring	5. Vat body	6. Stand
7. Cartridge	8. Movable handle	9. Fixed handle
10. Oil pipe	11. Turn screw	12. Plug
13. Steel ball	14. Valve	

# Hydraulic Crimping Tools

## 4、 Operation of unit

First you have to select the right dies (No.2) in intended application.

### Attention : Do not use the tool without dies

The dies will be inserted consecutively into the crimping head. Then the connecting material must be positioned in the crimping head. In order to start crimping procedure, the turn screw (No.11) must be turned 180 degree anticlockwise while the movable handle (No.8) is pushed towards the fixed handle (No.9).

\* A crimping process is initiated by the movable handle (No.8)

The piston (No.3) will be pushed by the oil pressure and the oil return spring (No.4) is compressed. Afterwards the two dies (No.2) moved towards ahead, make sure the two dies touched slightly. The connecting material is positioned in the stationary half of the crimping dies and the moving part is approaching the compression point. After the crimping cycle is completed, loose the turn screw (No.11) clockwise, the oil would flow into oil pipe (No.10) again under the elasticity of the oil return spring (No.4). Finally, the down dies return to the starting position.

\* Before storing the tool, the turn screw (No.11) has to be turned 180 degree Anticlockwise.

# Hydraulic Crimping Tools

## 5. Attention

- 1). Do not crimp anymore when the upper and down dies touch together, otherwise it would destroy the spare parts.
- 2). Avoid the head of tool and dies from knocked by hard material, otherwise it would damage the tool.
- 3). Keep the tools out of the gas or liquid acid and alkali.
- 4). Make sure the oil full after a long time working and the oil filtered by 200# net)
- 5). Make sure the environment clean before working.
- 6). After finishing the working please smear the antirust grease on the head of tool.
- 7). Do not disassemble at mind.
- 8). The tool should be kept by expert.

## 6. Troubleshooting

### \* Leak

#### 1). Inner leaked: the inner valve of vat leak.

- a. The steel ball fixed caused no oil flow. Please pull the piston out and screw out the valve ( No.14), take out the steel ball ( No.13), then use air gun to make it through. Last equip all the parts.
- b. The problem of the oil return valve. Please check if there clean on the steel ball caused the turn screw can not work normally. Please loss the turn screw, shake the movable handle slightly then turn off the turn screw to check if working. At last equip all the parts to start working.

# Hydraulic Crimping Tools

#### 2). Inner leakage: ( steel ball)

- a. The problem of the oil return valve. Please check the steel ball is clean if not it will cause the turn screw can not work normally. Please loose the turn screw, push the movable handle slightly then turn off the turn screw to check if working again. Last equip all the parts to start working.

- b. Cartridge ,please unload the movable handle and pull out the cartridge then screw out the big bolt change the O-Ring (Φ 14X2 GB3452.1-92)

#### 3). Outer leaked: (the O-Ring)

- a. Turn screw, please unload the turn screw please pull out the piston and change the O-Ring (Φ8X1.9 GB3452.1-92)

#### 4). Loosen of the piston

- a. please check the seal of valve, make sure there is' no air in it.

#### 5). The piston can not return to the position.

- a. please check the big spring and make sure does not deformed or broken.
- 6). Leakage on the plug of piston too much
    - a. there is air in it please expel the air.
    - b. please change the plug of piston.

## 7. Technical Parameters

Item No .	YQK-120	YQK-240	YQK-300	
Crimping Range	Aluminum	10-95(mm <sup>2</sup> )	16-185(mm <sup>2</sup> )	16-240(mm <sup>2</sup> )
	Copper	10-120(mm <sup>2</sup> )	10-240(mm <sup>2</sup> )	10-300(mm <sup>2</sup> )
Max pressure	12T	16T	16T	
Max stroke	14( mm )	22( mm )	22( mm )	
Weight	2.5( kg )	3.4( kg )	4.5( kg )	
Hexagon dies	10. 16.25. 35.50.70. 95.120 (mm <sup>2</sup> )	16.25.35.50. 70.95.120 150.185.240 (mm <sup>2</sup> )	10.16.25.35.50 70.95.120.150 185.240.300 (mm <sup>2</sup> )	
Oil No .	Shell Tullus T 15			