

## GENERAL INFORMATION

YJQ-W2 aviation crimping tool is designed according to the MIL standard MIL-C-22520/1-01 crimping specification. It is applied to the cold-press connection of the wire and the contact in the electrical connector.

### CRIMPING RANGE

CONTACTS: 12-20

WIRE SIZE: 12 AWG-26 AWG (3.33 mm<sup>2</sup>-0.128 mm<sup>2</sup>)

## WORKING PRINCIPLES

### 1. Crimping Method

The crimping tool adopts curve propulsion mechanism, its applied force transfers through four curves in the head cavity of the right plier handle to the four indenters. The four indenters do the centripetal linear motion, which makes its front-end teeth crimp the contact to complete the crimping process. The cycle controlled precision ratchet assures the consistency of impression and the crimping quality of wires and contacts.

### 2. Crimping Range Adjustment

The crimping tool has eight selector numbers, the accurate data is listed as follows:

The crimp tool has a 8-position selector knob that accurately divides the crimping range into 8 positions. The accurate data is listed as follows:

Selector NO.	Intender Working Diameter mm/INCH	
	A (GO)	B (NO GO)
1	0.71/0.028	0.84/0.033
2	0.81/0.032	0.94/0.037
3	0.91/0.036	1.04/0.041
4	0.99/0.039	1.12/0.044
5	1.14/0.045	1.27/0.050
6	1.32/0.052	1.45/0.057
7	1.50/0.059	1.63/0.064
8	1.73/0.068	1.86/0.073

### 3. Crimp lock mechanism

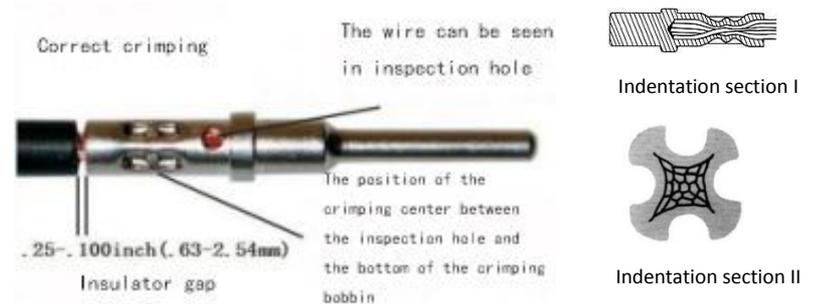
The crimp tool has a self-locking function. When the crimping is not completed correctly, the locking mechanism functions, the crimp handle cannot be opened, and the crimping items cannot be taken out. When the crimping is properly completed, the locking mechanism is opened, and the crimp handle can be opened. The crimped items can be taken out and the crimping is completed.

If a large-diameter contact strayed into the crimp hole for crimping by mistake or the crimp hole is stuck by a hard object, continuing the crimp operation would make the indenters or other mechanical parts damaged. Please contact us at 0573-82326018. 13736819909).

## PRODUCT CONFIGURATION



## CRIMP STYLE



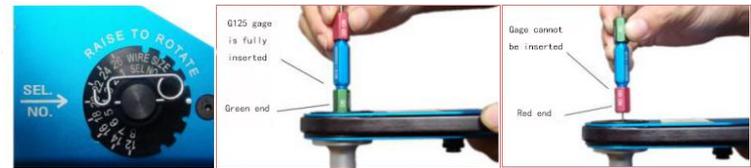
## GAGING INSTRUCTIONS

Set the YJQ-W2 manual crimping tool to the standard 20# size wire (4th selector). Use G125(M22520/3-01) GO-NOGO gage test tool.

"GO" Gaging: keep the tool in fully closed position, insert the green "GO" gage end of G125 into the indenters of XCY-02 crimp tool, it should be easy to enter, otherwise, the selector gear is incorrect

"NO GO" Gaging: keep the tool in fully closed position, insert the red "NO GO" end of G125 into the indenters of XCY-02 crimp tool, it can't pass through completely, otherwise, the selector gear is incorrect.

Set tool to the standard 20# size wire, choose the 4th selector.



**Note:** Operate the tool in fully closed position first, and then use the gage. DO NOT CRIMP THE GAGE!

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