

GENERAL INFORMATION

1. YJQ-W2DT is widely used for DEUTSCH solid contact (12#, 16#, 20#)
2. Contacts crimp range: 12AWG (3.33mm²) to 22AWG (0.52mm²), wire size range: 4mm²-0.35mm².

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:

Selector NO. mm ² /AWG	Intender Working Diameter mm/INCH	
	A (GO)	B (NO GO)
3.0/12	0.049 /1.24	0.054/1.37
2.5/14	0.045/1.14	0.050/1.27
2.0	0.041/1.04	0.046/1.17
1.5	0.037/0.94	0.042/1.07
1.0/16	0.0330/0.838	0.0385 /0.978
0.75/18	0.030 /0.76	0.035 /0.89
0.50/20	0.026 /0.66	0.031 /0.79
0.35/22	0.022 /0.56	0.027 /0.69

CAUTIONS

1. Keep the crimping tool and other units clean and properly stored when not in use or no operator maintenance.
2. Don't try to immerse tools in cleaning solution or spray oil into tools to lubricate.
3. If finding anomalies due to the incorrect ways, don't attempt to disassemble tools or make repairs. Please stop using it and connect us as soon as possible, our company will offer complete refurbishing and recalibration services.

Gaging Instructions

Please Keep the selector No. 1.0/16, using G454 gauge to Calibration.

- "GO" Gaging: keep the tool in fully closed position, insert the green "GO" gage end into the indenter, 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 into the indenter, it can't pass through completely, otherwise, the selector gear is incorrect.

(CAUTION! DO NOT CRIMP THE GAGE!)

CRIMPING INSTRUCTIONS

1. Insert the contact and prepare the wire through the indenter from the opposite side.
2. Squeeze the handles together until ratchet releases. Then the handle will return to its open position automatically.



CRIMPING SAMPLE



Indent Section View



Make sure the wire can be seen through the hole

.25-.100inch (.63-.54mm)

Insulator length

The crimping center locates in the middle position between inspection hole and the bottom of crimping bobbin

Contact SIZE	Contact Part Number	WIRE Range AWGs WIRE Range [mm ² s]	Strip Dim INCH Strip Dim [mm]
20 PIN	0460-202-20**	20	.156-.218
20 Socket	0462-201-20**	[0.50]	[3.96-5.54]
16 PIN	0460-202-16**	16, 18, 20	.250-.312
16 Socket	0462-201-16**	[1.5/1.0/0.75/0.50]	[6.35-7.92]
16 PIN	0460-215-16**	14	.250-.312
16 Socket	0462-209-16**	[2.0]	[6.35-7.92]
12 PIN	0460-204-12**	12, 14	.222-.284
12 Socket	0462-203-12**	[3.0/2.5/2.0]	[5.64-7.21]