

# Standard .093" Pin and Socket Double Crimp Tools

**molex**

Molex Standard .093" pin and socket double crimp tools allow for cost savings and quick setup time. The Molex Mini-Mac applicator allows operators to make crimp height, track or feed adjustments without removing the applicator from the press

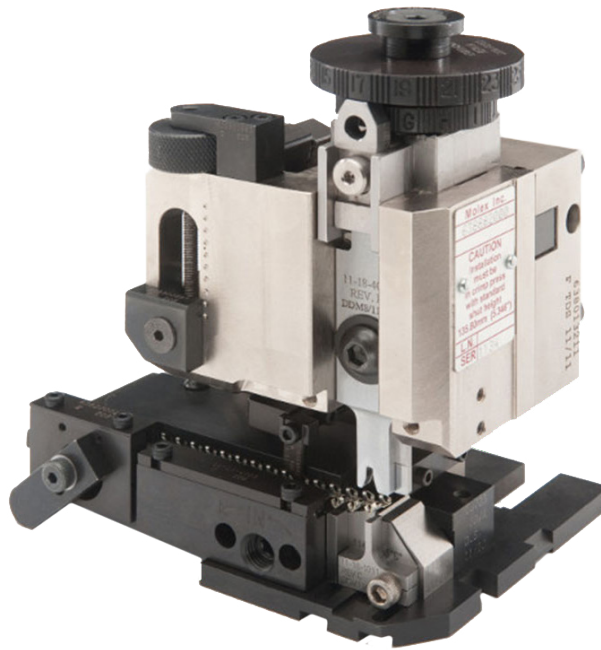
## Features and Advantages

### Quick punch removal with the push of a button

Allows for fast and easy tooling change

### Fine adjustment option

Gives users the ability to achieve target with little effort by adjusting in increments of 0.15mm (.0006") for conductor crimp height and 0.063mm (.0025") for insulation height

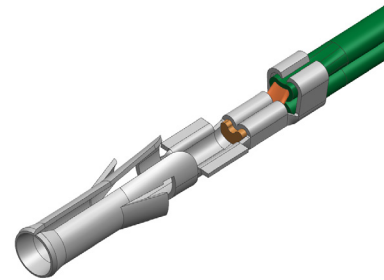


### Applicator designed with mounting and shut height of 135.80mm (5.35")

Meets the industry standard

### Independent adjustment rings

Allow users to quickly adjust the conductor or insulation crimp heights without affecting each other



## Markets and Applications

### Automotive

- Harness manufacturers
- Non-sealed applications
- Inside devices

### Commercial Vehicle

- Electronic control modules

### Consumer

- Gaming equipment
- Gaming machines
- Vending machines

### Data/Computing

- Copiers
- Printers

### Home Appliance

- White goods

### Industrial/Industrial Automation

- Automation equipment
- Food and beverage dispensers

### Medical

- Medical devices
- X-rays machines

### Telecommunications/Networking

- Routers and switches
- Servers
- Backplanes
- Fan-tray assemblies
- Rack-mount servers



White Goods



Robotic Arm



Robotic Floor Vacuum

# Standard .093" Pin and Socket Double Crimp Tools



## Specifications

### REFERENCE INFORMATION

Use With: .093" Pin and Socket Terminals  
Mini-Mac Applicator Series: 63892  
Designed in: Millimeters

### FOR COMPLETE SPECIFICATIONS:

Refer to the Application Tooling Specification Document.

**Note:** Double wire combinations may not pass IPC/WHMA-A-620 insulation crimp requirements.

### TOOL QUALIFICATION NOTES

Pull force should be measured with no influence from the insulation crimp. The wire in contact with the bottom of the crimp barrel should be pulled.

**Warranty Disclaimer:** Molex tooling crimp specifications are valid only when used with Molex terminals and tooling manufactured by Molex and sold by Molex or authorized distributors ("Molex Tooling"). When using tooling other than Molex Tooling with Molex specific connector systems listed in our ATS documents, the Molex tooling qualification does not apply and the responsibility for full qualification of the connector system is the customer's. Molex accepts no liability for connector performance or tooling support where tooling other than Molex Tooling is used or where Molex Tooling is modified.

## Ordering Information

*Products: .093" Pin and Socket Double Crimp Terminals, 18+18 AWG Wire  
Use with: Series 1189, 1190 and 1973-2*

Terminal Series	Terminal Order Number			Wire				Strip Length	
				UL Type	Combinations	Insulation Diameter (Per wire)		mm	In.
						mm	In.		
1189	02-09-1102	63892-7300 (Mini-Mac Applicator)	39-00-0089	1007 1569 1061	18+18 AWG	1.85 max	.073 max	3.96-5.54	.156-.218
	02-09-5100		39-00-0118						
1190	02-09-2101	63892-7300 (Mini-Mac Applicator)	39-00-0167	1007 1569 1061	18+18 AWG	1.85 max	.073 max	3.96-5.54	.156-.218
	02-09-6100		39-00-0185						
1973-2	02-09-8108	63892-7300 (Mini-Mac Applicator)	39-00-0211	1007 1569 1061	18+18 AWG	2.11 max	.083 max	3.96-5.54	.156-.218
Description									
63892-7300 Mini-Mac Applicator for .093" Pin and Socket Double Crimp Applications									
Note: Wires should be presented vertically. Double wire combinations may not pass IPC/WHMA-A-620 insulation crimp requirements.									

[www.molex.com/link/standard\\_093.html](http://www.molex.com/link/standard_093.html)

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