Mini-Fit Jr. Double Crimp Tools

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Mini-Fit Jr. Double Crimp Tools allow for cost savings and quick set-up time. The Molex Fine Adjust Applicator, for Mini-Fit Double Crimp applications, allows for significant time savings as it does not require removal from the press in order to make height, track or feed adjustments.
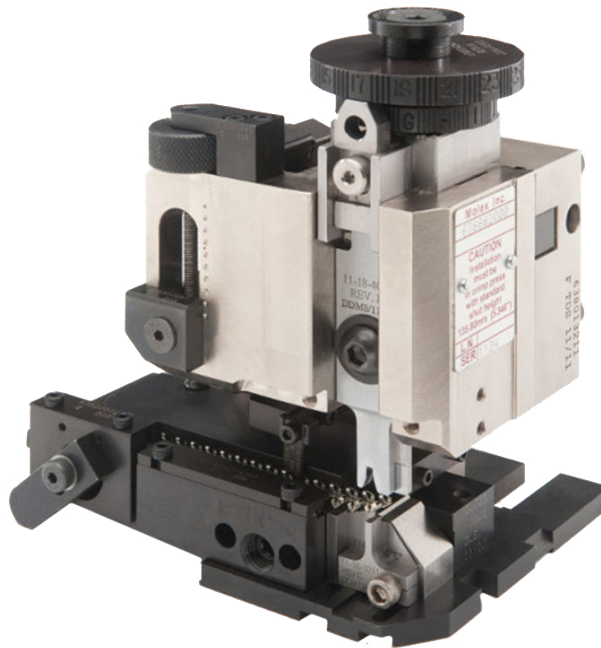
Features and Advantages

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
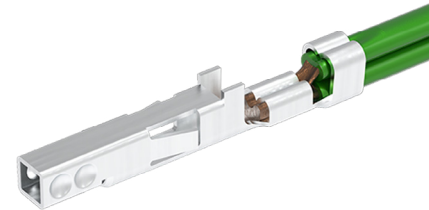
Applicator designed with mounting and shut height of 135.80mm (5.35")
Meets the industry standard

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

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Specifications

REFERENCE INFORMATION
Use With: Mini-Fit and Mini-Fit Plus Terminals
Fine Adjust Applicator: Series: 203702
Terminal Used: Series: 5556 and 5558
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.

TOOL QUALIFICATION NOTES
1. Pull force should be measured with no influence from the insulation crimp.
2. Pull force should be measured by pulling single smallest wire AWG only.
3. The above specifications are guidelines for an optimum crimp.

Warranty Disclaimer: CAUTION: 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: Mini-Fit Jr. Double Crimp Terminals 20+22 AWG, 20+20 AWG and 18+22 AWG
Use with: Series 5556 and 5558

Terminal Series No.	Terminal Order No.			Wire					Strip Length	
				UL Type	Combinations	AWG	Insulation Diameter (per wire)			
							mm	In.	mm	In.
5556	39-00-0077	39-00-0079	39-00-0089	1007	20+22 AWG	20	1.70 to 1.80	0.067 to 0.071	3.00 to 3.50	0.118 to 0.138
	39-00-0093	39-00-0112	39-00-0118			22	1.57 to 1.65	0.061 to 0.065		
	39-00-0141	39-00-0157	39-00-0167	1061	20+22 AWG	20	1.42 to 1.45	0.055 to 0.057		
	39-00-0173	39-00-0179	39-00-0185			22	1.22 to 1.27	0.048 to 0.050		
	39-00-0198	39-00-0204	39-00-0211	1007	20+22 AWG	20	1.70 to 1.80	0.067 to 0.071		
	39-00-0217	39-00-0447	-	1061	20+22 AWG	20	1.42 to 1.45	0.055 to 0.057		
5558	39-00-0081	39-00-0083	39-00-0095	1007	18+22 AWG	18	2.01 to 2.03	0.079 to 0.080		
	39-00-0099	39-00-0124	39-00-0130			22	1.57 to 1.65	0.061 to 0.065		
	39-00-0147	39-00-0223	39-00-0449	1061	18+22 AWG	18	1.68 to 1.70	0.066 to 0.067		
	98-00-0176	40-01-0855	-			22	1.22 to 1.27	0.048 to 0.050		
	Description									
203702	Fine Adjust Applicator for Mini-Fit Double Crimp Applications									
* Wires should be presented vertically. Double wire combinations may not pass IPC/WHMA-A-620 insulation crimp.										

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Ordering Information

Products: Mini-Fit Jr. Double Crimp Terminals 22+22 AWG
Use with: Series 5556 and 5558

Terminal Series No.	Terminal Order No.			Wire					Strip Length			
				Combinations	AWG	UL Type	Insulation Diameter (per wire)			Strip Length		
							mm	In.	mm	In.	mm	In.
5556	39-00-0038	39-00-0055	39-00-0059	22+22 AWG	22	1007	1.57 to 1.65	0.061 to 0.065			3.00 to 3.50	0.118 to 0.138
	39-00-0073	39-00-0108	39-00-0114									
	39-00-0153	39-00-0163	39-00-0169									
	39-00-0175	39-00-0181	39-00-0194									
	39-00-0200	39-00-0207	39-00-0213									
	39-00-0405	39-00-4207	39-00-0410									
	39-00-0419	39-00-0425	39-00-0428									
	39-00-0436	39-00-0440	40-13-0851									
5558	39-00-0040	39-00-0053	39-00-0061			1061	1.22 to 1.27	0.048 to 0.050				
	39-00-0075	39-00-0120	39-00-0121									
	39-00-0120	39-00-0121	39-00-0126									
	39-00-0219	39-00-0411	39-00-0420									
	39-00-0426	39-00-0427	39-00-0120									
	39-00-0437	40-01-0853	40-13-0853									
	98-00-0174	-	-									

	Description
203702	Fine Adjust Applicator for Mini-Fit Double Crimp Applications
	* Wires should be presented vertically. Double wire combinations may not pass IPC/WHMA-A-620 insulation crimp.

www.molex.com/link/minifit.html