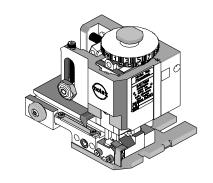


# FineAdjust Applicator **Specification Sheet** Part No. 63860-9000

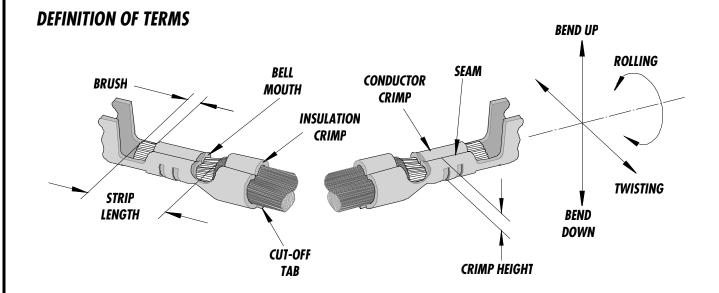


### **FEATURES**

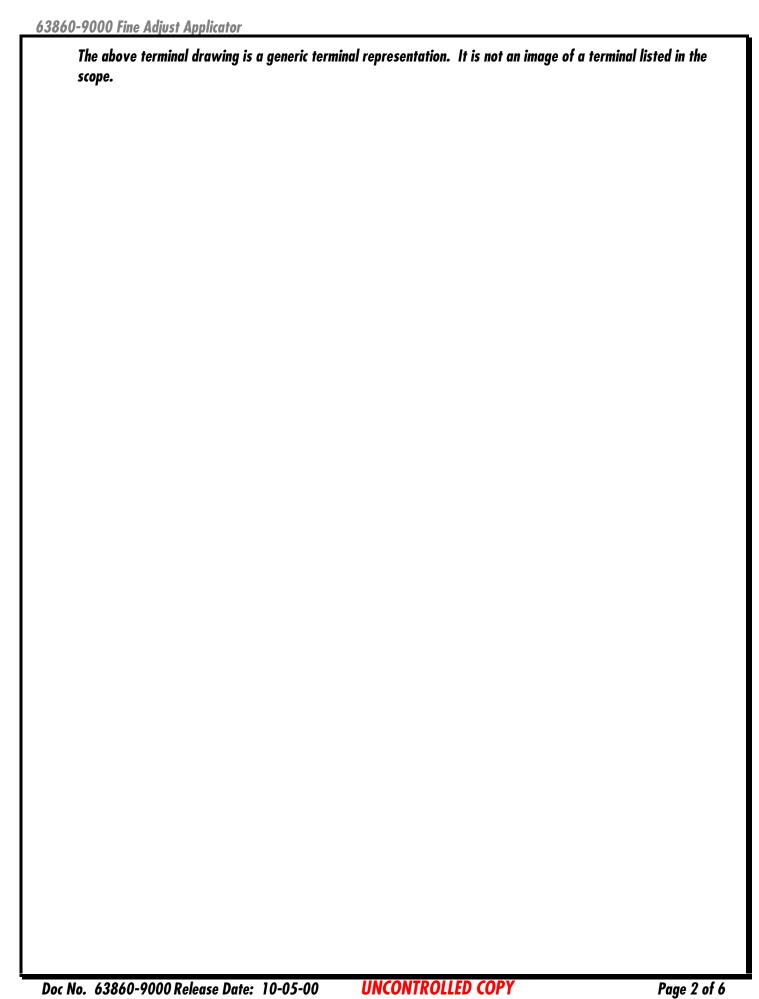
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can be set without removing the applicator from the press
- Fine adjustment allows users to achieve target with little effort by adjusting in increments of 0.15mm (.0006") for conductor crimp height and .063mm (.0025") for insulation height
- Independent adjustment rings allow users to quickly adjust the conductor or insulation crimp height without affecting each other
- Directly adapts to most automatic wire processing machines

### **SCOPE**

Terminal Series No.	Wire Size		Insulation	Diameter	Strip Length		
	AWG	mm²	mm	In.	mm	In.	
35069-*00*	18	0.80	3.60 Max	.142 Max	3.00-3.50	.118138	



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## **CRIMP SPECIFICATION**

Terminal Series No.	Bell r	nouth	Cut-off 1	Tab Max.	Conductor Brush		
	mm	In.	mm	In.	mm	ln.	
35069-*00*	0.20-0.70	.008028	0.30	.012	0.00-1.00	.000039	

Terminal	Bend up Bend down		Twist	Roll	Punch Width mm (Ref)		Ref)	Seam		
Series No.	Degree		Degree		Conductor		Insulation		Seam shall not be open	
Series No.					mm	In	mm	In	and no wire allowed out	
35069-*00*	4	2	3	8	1.80	.070	3.60	.144	of the crimping area	

The above specifications are guidelines to an optimum crimp.

## **CONDITIONS**

After crimping, the conductor profile should measure the following.

Terminal Series No.	Wire Size		Crimp	Pull Force Min.		
rerminai Series No.	AWG	mm²	mm	In.	N	Lb.
35069-*00*	18	0.80	1.08-1.18	.042046	88.0	19.8

Pull Force should be measured with no influence from the insulation crimp.

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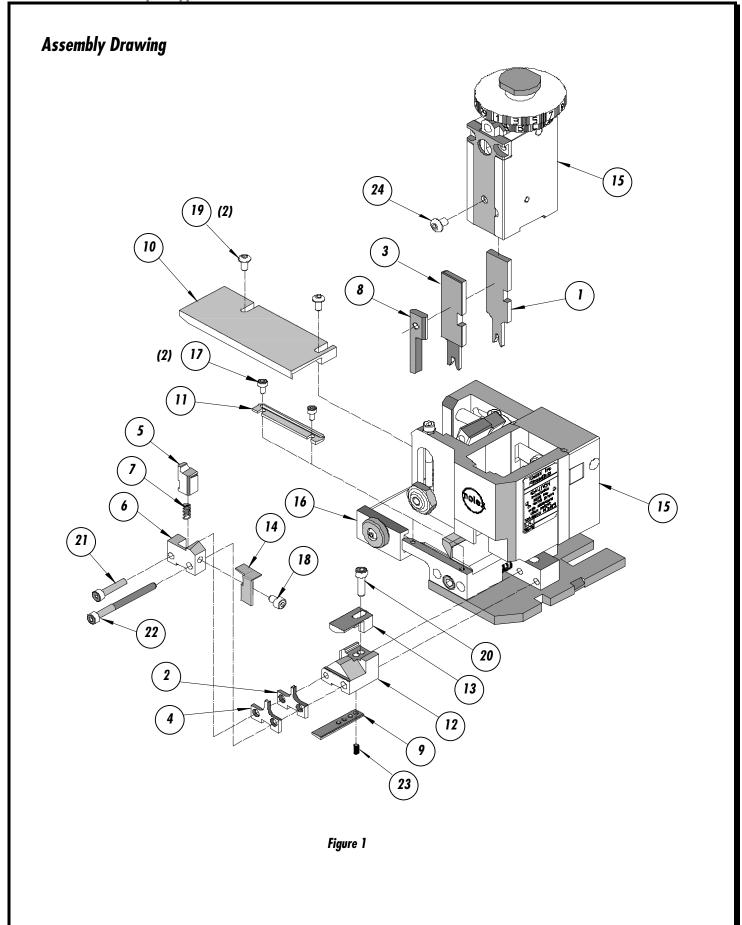
## **PARTS LIST**

Item	Order No	Engineering No.	Description	Quantity
	63860-9000	63860-9000	FineAdjust Applicator (Fig. 1)	REF
1	63444-1816	63444-1816	Conductor Punch	1 Y
2	63445-1831	63445-1831	Conductor Anvil	1 Y
3	63446-3619	63446-3619	Insulation Punch	1 Y
4	63445-3604	63445-3604	Insulation Anvil	1 Y
5	63443-0002	63443-0002	Cut-Off Plunger	1 Y
6	63443-0012	63443-0012	Front Plunger Retainer	1 Y
7	11-24-1067	4996-4	Cut-Off Plunger Spring	1
8	11-40-4039	8302-5	Front Plunger Striker	1
9	63443-0021	63443-0021	Lower Tooling Key	1
10	63443-6003	63443-6003	Rear Cover	1
11	11-18-4094	60709A111	Front Cover	1
12	63443-2409	63443-2409	Anvil Mount	1
13	63443-4005	63443-4005	Wire Stop	1
14	63443-0009	63443-0009	Scrap Chute	1
15	63800-4900	63800-4900	FineAdjust Applicator	1
16	63860-2015	63860-2015	* Drag Frame (Modified)	1
17	N/A	N/A	M3 by 6Lg. SHCS	<b>2</b> **
18	N/A	N/A	M4 by 6Lg. SHCS	1**
19	N/A	N/A	M4 by 12Lg. BHCS	2**
20	N/A	N/A	M4 by 16Lg SHCS	1**
21	N/A	N/A	M4 by 20Lg. SHCS	1**
22	N/A	N/A	M4 by 50Lg. SHCS	<b>1</b> **
23	N/A	N/A	3MM by 6Lg. Roll Pin	1**
24	N/A	N/A	#10-32 by 1/4"Lg. BHCS	1**
	63860-9070	63860-9070	Tool Kit (All Y Items)	REF

<sup>\*</sup> Frame part - To be modified.

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<sup>\*\*</sup> The following purchased parts are available from an Industrial supply company such as MSC (1-800-645-7270).



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### **NOTES**

- 1. Molex recommends an extra perishable tooling kit be maintained at your facility.
- 2. Verify tooling alignment by manually cycling the press and Applicator before crimping under power. Check that all screws are tight.
- 3. Slugs, Terminals, Dirt and Oil should be kept clear of work area.
- 4. Wear safety glasses at all times.
- 5. For recommended maintenance refer to the FineAdjust Manual.

CAUTION: This applicator should only be used in a press with a shut height of 135.8 mm (5.346"). Tooling damage could result at a lower setting.

CAUTION: To prevent injury never operate this Applicator without the guards supplied with the press or wire-processing machine in place. Reference the press or wire processing manufacturer's instruction manual.

CAUTION: Molex crimp specifications are valid only when used with Molex terminals, applicators and tooling.

Molex Application Tooling Group 1150 E. Diehl Road Naperville, IL 60563 Tel: (630) 969-4550 Fax: (630) 505-0049

Visit our Web site at http://www.molex.com

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