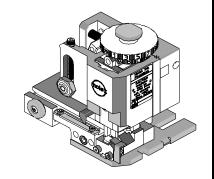


# FineAdjust Applicator **Specification Sheet** Part No. 63867-5000

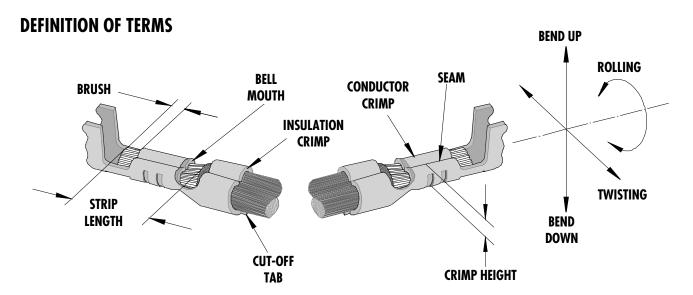


### **FEATURES**

- 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 .015mm (.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.	Wi	re Size	Insulation	Diameter	Strip Length			
Terminui Jeries No.	AWG	mm²	mm	ln.	mm	ln.		
56134-9000	22-28	0.08-0.34	0.90-1.70	.035067	1.60-2.00	.063079		
56134-8000	22-26	0.13-0.34	1.25-1.70	.049067	1.60-2.00	.063079		
Note: Terminal is designed for UL1007 Wire								



The above terminal drawing is a generic terminal representation. It is not an image of any terminal listed in the scope.

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## **CRIMP SPECIFICATION**

Terminal Series No.	Bell n	nouth	Cut-off 1	Tab Max.	Conductor Brush		
Terminal Series No.	mm	ln.	mm	ln.	mm	ln.	
56134-9000	0.05-0.40	.002016	0.30	.012	0.10-0.70	.004028	
56134-8000	0.05-0.40	.002016	0.30	.012	0.10-0.70	.004028	

		Bend down	Twist	Roll	Punch Width (Ref)				C
Terminal Series No.	Bend up				Conductor		Insulation		Seam Seam shall not be
					mm	In	mm	ln	open and no wire allowed
56134-9000	<b>3</b> °	3 °	3 °	6 °	1.20	.047	1.50	.059	out of the crimping area
56134-8000	3 ∘	3 °	3 °	6 °	1.20	.047	1.50	.059	out of the chiliping area

After crimping, the crimp profiles should measure the following:

Tarminal	Wire Size		Conductor				Pull Force Min.					
Terminal Series No.			Crimp Height		Crimp Width (Ref)		Crimp Height		Crimp Width (Ref)		run ruice Milli.	
	AWG	mm²	mm	ln.	mm	ln.	mm	ln.	mm	ln.	N	Lb.
56134-9000	22	0.34	0.70-0.75	.028030	1.18-1.28	.046050	1.85-1.95	.073077	1.55-1.75	.061069	44.1	9.9
56134-9000	24	0.20	0.67-0.72	.026028	1.18-1.28	.046050	1.80-1.90	.071075	1.55-1.75	.061069	29.4	6.6
56134-9000	26	0.13	0.61-0.66	.024026	1.18-1.28	.046050	1.75-1.85	.069073	1.55-1.75	.061069	19.6	4.4
56134-9000	28	0.08	0.57-0.62	.022024	1.18-1.28	.046050	1.75-1.85	.069073	1.55-1.75	.061069	9.8	2.2
56134-8000	22	0.34	0.70-0.75	.028030	1.18-1.28	.046050	1.85-1.95	.073077	1.55-1.75	.061069	44.1	9.9
56134-8000	24	0.20	0.67-0.72	.026028	1.18-1.28	.046050	1.80-1.90	.071075	1.55-1.75	.061069	29.4	6.6
56134-8000	26	0.13	0.61-0.66	.024026	1.18-1.28	.046050	1.75-1.85	.069073	1.55-1.75	.061069	19.6	4.4

# \* Tool Qualification Notes:

- 1. This Applicator was qualified to the above specifications with UL1007 wire.

  \*An insulation diameter larger than .051" may cause the insulation grips to pierce the insulation on both sides of the insulation crimp. The customer should determine the suitability for their application.
- 2. Pull Force should be measured with no influence from the insulation crimp.
- 3. The above specifications are guidelines to an optimum crimp.

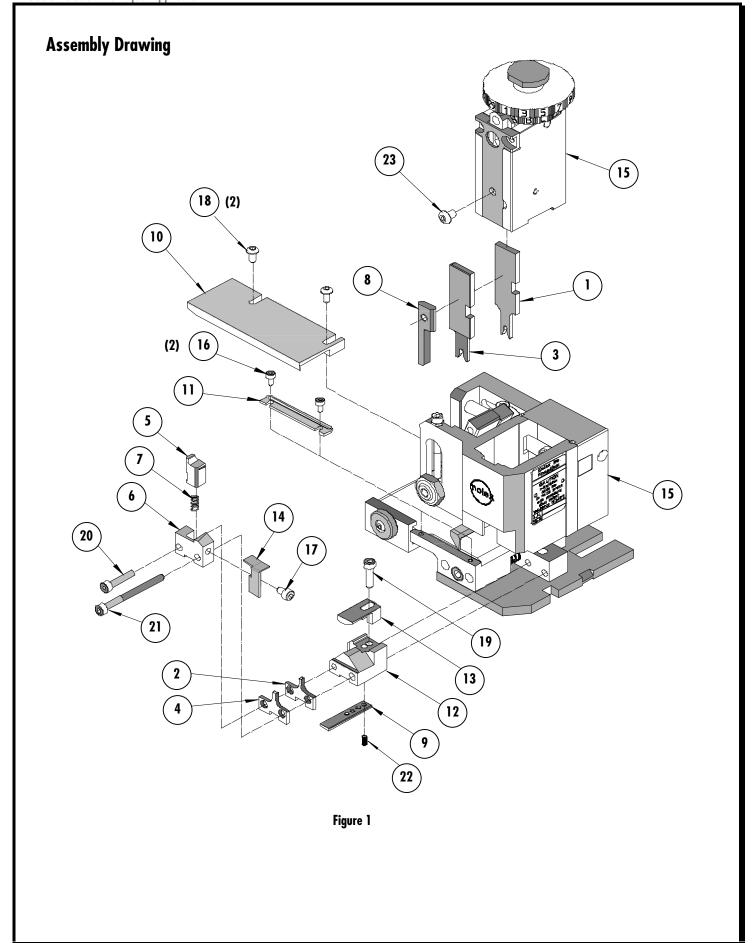
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# **PARTS LIST**

Item	Order No	Engineering No. Description		Quantity
	63867-5000	63867-5000	FineAdjust Applicator (Fig. 1)	REF
1	63444-1207	63444-1207	Conductor Punch	1 Y
2	63445-1213	63445-1213	Conductor Anvil	1 Y
3	63446-1510	63446-1510	Insulation Punch	1 Y
4	63445-1504	63445-1504	Insulation Anvil	1 Y
5	63443-0002	63443-0002	Cut-Off Plunger Front	1 Y
6	63443-0012	63443-0012	Plunger Retainer Front	1 Y
7	11-24-1067	4996-4	Cut-off Plunger Spring	1
8	63443-3160	63443-3160	Plunger Striker Front	1
9	63443-0021	63443-0021	Lower Tooling Key	1
10	63443-6003	63443-6003	Rear Cover	1
11	11-18-4083	60707-8	Front Cover	1
12	63443-2419	63443-2419	Anvil Mount	1
13	63443-4021	63443-4021	Wire Stop	1
14	63443-0009	63443-0009	Scrap Chute Front	1
15	63800-4900	63800-4900	Fine Adjust Applicator Frame	1
16	N/A	N/A	M3 by 6Lg. SHCS	2**
17	N/A	N/A	M4 by 6Lg. SHCS	]**
18	N/A	N/A	M4 by 12Lg. BHCS	2**
19	N/A	N/A	M4 by 16Lg SHCS	]**
20	N/A	N/A	I/A M4 by 20Lg. SHCS	
21	N/A	N/A	M4 by 50Lg. SHCS	]**
22	N/A	N/A	3MM by 6Lg. Roll Pin	]**
23	N/A	N/A	#10-32 by 1/4"Lg. BHCS	]**
	63867-5070	63867-5070	Tool Kit (All Y Items)	REF

<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**

- Molex recommends an extra perishable tooling kit be maintained at your facility.
- Verify tooling alignment by manually cycling the press and Applicator before crimping under power. Check that all screws are tight.
- 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 135.80 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** 

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

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