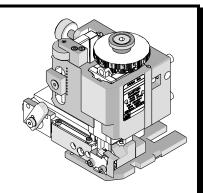


# FineAdjust Applicator Specification Sheet Part No. 63900-4600



### **FEATURES**

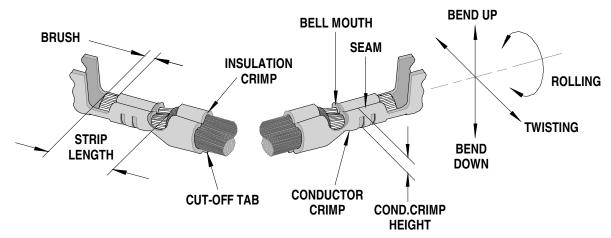
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can be set without removing the applicator from the press
- Fine 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**

Products: 2.50mm (.098") Pitch SPOX™ Wire-to-Board and Wire-to-Wire Crimp Terminal, 22-28 AWG.

Terminal Series No	Terminal Order No.			Wire Size		Insulation Diameter		Strip Length	
				AWG	mm²	mm	ln.	mm	ln.
5103	08-70-0056	39-00-0188	39-00-0389			1.15-1.90	.045075	2.60-3.20	.102126
	08-70-0058	39-00-0388	39-00-0390	22-28	0.35-0.08				
	08-700-0569	39-00-0387			0.55-0.00				
	08-700-0589	39-00-0442							
5241	08-70-0102			22-28	0.35-0.08	1.15-1.90	.045075	2.60-3.20	.102126
50802	50802-8000	50802-9001		22-28	0.35-0.08	1.15-1.90	.045075	2.60-3.20	.102126

### **DEFINITION OF TERMS**



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

Doc No: ATS-639004600 Release Date: 08-17-07 **UNCONTROLLED COPY** Page 1 of 5 Revision: C Revision Date: 11-29-07

## **CRIMP SPECIFICATION**

Terminal Series No.	Bell r	nouth	Cut-off Tab	Maximum	Conductor Brush		
Terrifical Series No.	mm	ln.	mm	ln.	mm	ln.	
5103	0.20-0.50	.008020	0.30	.012	0.00-1.00	.000039	
5241	0.20-0.50	.008020	0.30	.012	0.00-1.00	.000039	
50802	0.20-0.50	.008020	0.30	.012	0.00-1.00	.000039	

	Bend up Bend down		Twist	Roll	Punch Width mm (Ref)			(Ref)	Coom	
Terminal Series No.	Degree		Degree		Conductor		Insulation		Seam	
					mm	In	mm In		Seam shall not be open and	
5103	4	4	3	8	1.40	.055	1.90	.075	no wire allowed out of the	
5241	4	4	3	8	1.40	.055	1.90	.075	crimping area	
50802	4	4	3	8	1.40	.055	1.90	.075	chiliping area	

After crimping, the conductor profile should measure the following.

Terminal Series No.	Wire Size		Conductor C	Crimp Height	Pull Force Minimum		
reminiai Senes No.	AWG	mm²	mm	In.	N	Lb.	
	22	0.35	0.82-0.87	.032034	39.1	8.8	
5103	24	0.20	0.75-0.80	.030031	29.3	6.6	
3103	26	0.12	0.70-0.75	.028030	19.6	4.4	
	28	0.08	0.66-0.71	.026028	9.8	2.2	
	22	0.35	0.82-0.87	.032034	39.1	8.8	
5241	24	0.20	0.75-0.80	.030031	29.3	6.6	
3241	26	0.12	0.70-0.75	.028030	19.6	4.4	
	28	0.08	0.66-0.71	.026028	9.8	2.2	
	22	0.35	0.82-0.87	.032034	39.1	8.8	
50802	24	0.20	0.75-0.80	.030031	29.3	6.6	
30002	26	0.12	0.70-0.75	.028030	19.6	4.4	
	28	0.08	0.66-0.71	.026028	9.8	2.2	

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

The above specifications are guidelines to an optimum crimp.

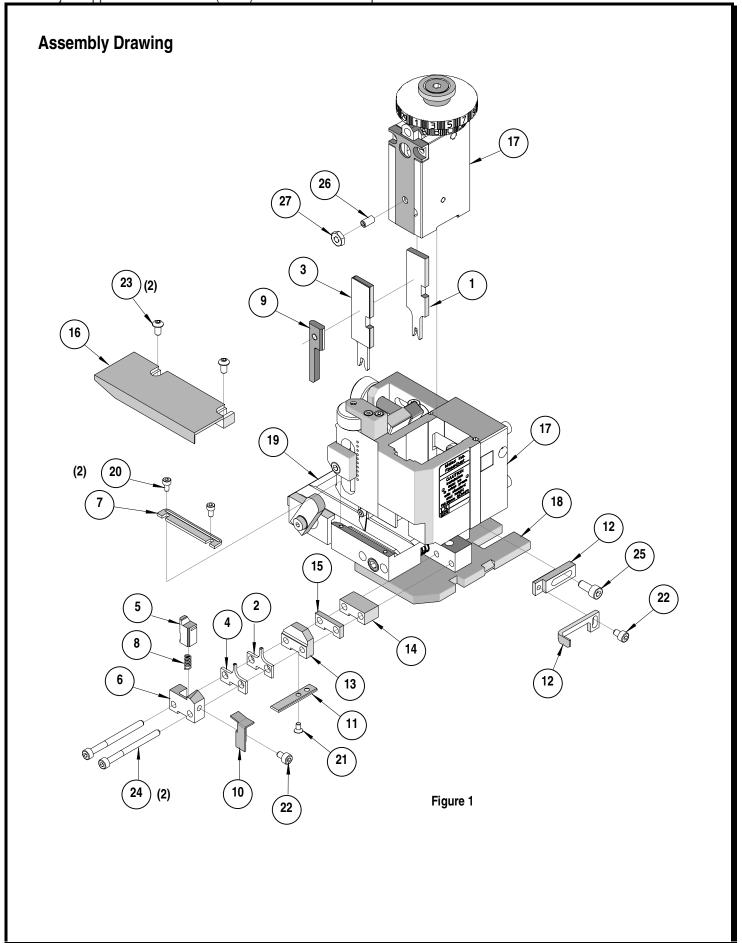
Doc No: ATS-639004600 Release Date: 08-17-07 Revision: C Revision Date: 11-29-07

# **PARTS LIST**

FineAdjust Applicator 63900-4600										
Item	Order No	Engineering No.	Description	Quantity						
Perishable Tooling										
	63900-4670	63900-4670	Tool Kit (All "Y" Items)	REF						
1	63444-1417	63444-1417	Conductor Punch	1 Y						
2	63445-1435	63445-1435	Conductor Anvil	1 Y						
3	63446-1914	63446-1914	Insulation Punch	1 Y						
4	63445-1924	63445-1924	Insulation Anvil	1 Y						
5	63443-0002	63443-0002	Cut-Off Plunger	1 Y						
6	63443-0012	63443-0012	Front Plunger Retainer	1 Y						
	Other Components (REF 004450)									
7	11-18-4083	60707-8	Feed Guide	1						
8	11-24-1067	4996-4	Cut-off Plunger Spring	1						
9	11-40-4039	8302-5	Front Plunger Striker	1						
10	63443-0009	63443-0009	Front Scrap Chute	1						
11	63443-0024	63443-0024	Key	1						
12	63443-0090	63443-0090	Wire Stop	1						
13	63443-1703	63443-1703	17.30mm Height Spacer	1						
14	63443-2216	63443-2216	16.00mm Coarse Spacer	1						
15	63443-2302	63443-2302	3.10mm Fine Spacer	1						
16	63443-6111	63443-6111	Rear Cover	1						
Frame										
17	63800-4901	63800-4901	Тор	1						
18	63801-3281	63801-3281	Base	1						
19	63801-4650	63801-4650	Track	1						
			lardware							
20	N/A	N/A	M3 by 6 Long SHCS	2**						
21	N/A	N/A	M3 by 6 Long FHCS	1**						
22	N/A	N/A	M4 by 6 Long SHCS	2**						
23	N/A	N/A	M4 by 12 Long BHCS	2**						
24	N/A	N/A	M4 by 50 Long SHCS	2**						
25	N/A	N/A	M5 by 12 Long SHCS	1**						
26	N/A	N/A	#10-32 by 3/8"Long Flat Point SSS	1**						
27										
*	** 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.

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Doc No: ATS-639004600 Release Date: 08-17-07 **UNCONTROLLED COPY** Page 5 of 5

Revision: C