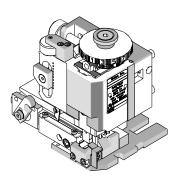
# FineAdjust Applicator Specification Sheet Part No. 63900-1200



## FEATURES

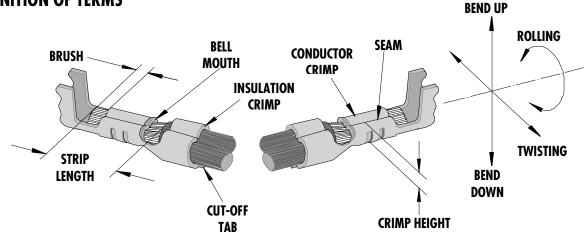
- Directly adapts to most automatic wire processing machines
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can 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

### SCOPE

Products: 4mm Pitch Motor Connector for 22 AWG.

Terminal Series No.	Terminal Order No.	inal Order No. Wire Size Maximum			Strip Length		
		AWG	mm <sup>2</sup>	mm	ln.	mm	ln.
59333	59333-8000	22	0.32	1.75	.069	1.60-2.10	.063083

### **DEFINITION OF TERMS**



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

## **CRIMP SPECIFICATION**

Terminal Series No.	Bell n	nouth	Cut-off 1	ab Max.	Conductor Brush	
Terminur Jeries No.	Mm	ln.	mm	In.	mm	In.
59333	0.05-0.30	.002012	0.15	.006	0.00-0.70	0.0028

	Bend up Bend down		Twict	Roll	Punch Width mm (Ref)				Seam
Terminal Series No.	Della oh D		1 1121	Conductor		r Insulation			
	Degree		Degree		mm	In	mm	In	Seam shall not be open
59333	5	4	3	4	1.10	.043	1.50	.059	and no wire allowed out of the crimping area

After crimping, the conductor profile should measure the following.

	Wire	<b>Ci</b>	Conductor					
<b>Terminal Series No.</b>	wire	JIZe	Crimp	Height	Crimp Width (Ref)			
	AWG	mm <sup>2</sup>	mm	In.	mm	In.		
59333	22	0.32	0.70-0.75	.028030	1.13	.045		

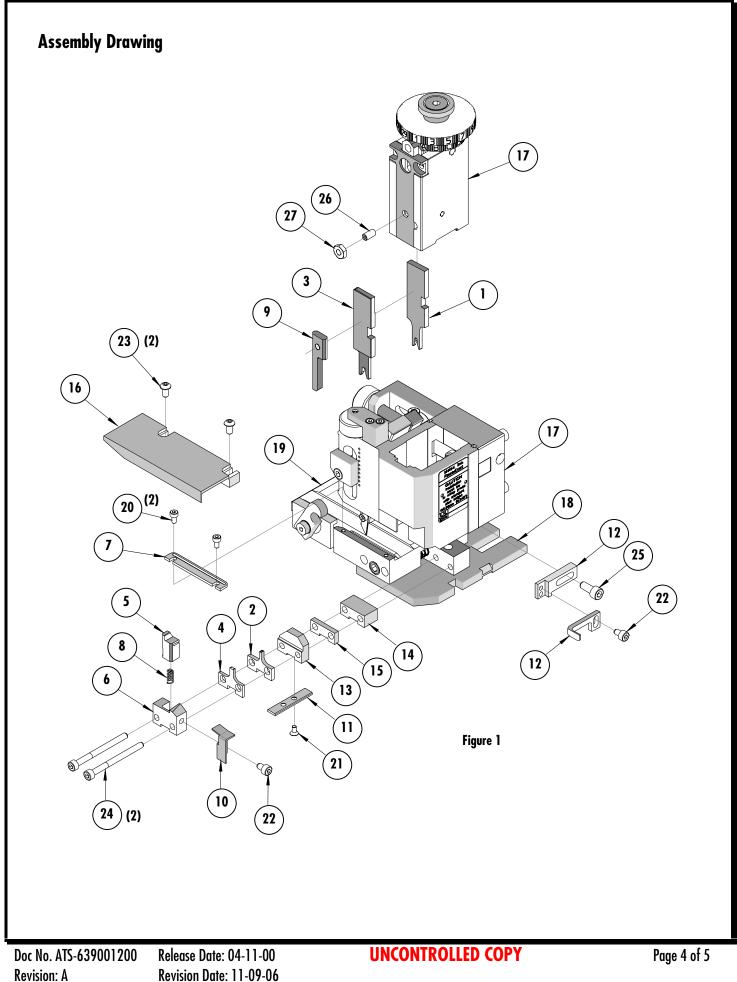
	Wire	Ciro.	l	nsulatio	Pull Force Min.				
<b>Terminal Series No.</b>	wire	JIZe	Crimp	Height	Crimp Width		ruii ruice Min.		
	AWG	mm <sup>2</sup>	mm	In.	mm	In.	N	Lb.	
59333	22	0.32	1.75	.069	1.56	.061	39.2	8.81	

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

The above specifications are guidelines to an optimum crimp.

### **PARTS LIST**

	FineAdjust Applicator 63900-1200								
ltem	Order No	Engineering No.	Description	Quantity					
		Perish	able Tooling						
	63900-1270	63900-1270	Tool Kit (All "Y" Items)	REF					
1	63444-1123	63444-1123	Conductor Punch	1 Y					
2	63445-1104	63445-1104	Conductor Anvil	1 Y					
3	63446-1510	63446-1510	Insulation Punch	1 Y					
4	63445-1505	63445-1505	Insulation Anvil	1 Y					
5	63443-0002	63443-0002	Front Cut-Off Plunger	1 Y					
6	63443-0012	63443-0012	Front Plunger Retainer	1 Y					
		Other Compo	1ents(REF 001250)						
7	11-18-4083	60707-8	Feed Guide	1					
8	11-24-1067	4996-4	Cut-Off Plunger Spring	1					
9	63443-3160	63443-3160	Plunger Striker	1					
10	63443-0009	63443-0009	Front Scrap Chute	1					
11	63443-0024	63443-0024	Кеу	1					
12	63443-0090	63443-0090	Wire Stop	1					
13	63443-1719	63443-1719	18.90mm Spacer	1					
14	63443-2217	63443-2217	17.00mm Spacer	1					
15	63443-2308	63443-2308	3.40mm Spacer	1					
16	63443-6002	63443-6002	Rear Cover	]					
	I		Frame						
17	63800-4901	63800-4901	Тор	1					
18	63801-3281	63801-3281	Base	1					
19	63801-4650	63801-4650	Track	1					
		Ho	irdware						
20	N/A	N/A	M3 by 6 Long SHCS	2**					
21	N/A	N/A	M3 by 6 Long FHCS	]**					
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 Lg SHCS	]**					
26	N/A	N/A	#10-32 by 3/8″Long Flat Point SSS	]**					
27	N/A	N/A	#10-32 Hex Jam Nut	]**					
	** Available fro	m an industrial suppl	y company such as MSC (1-800-645-72	270).					



### 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 135.8mm (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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