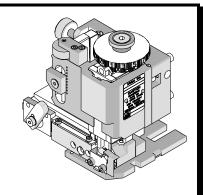


FineAdjust Applicator Specification Sheet Order No. 63900-7900



FEATURES

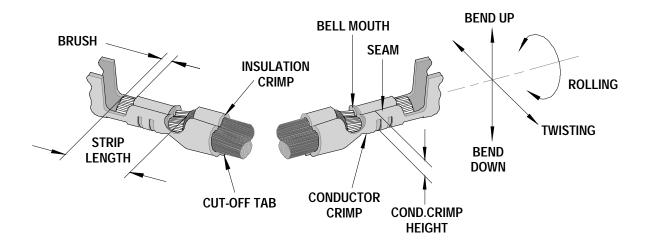
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can be set without removing the applicator from the press
- Fine 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 Wire-to-Wire Male Crimp Terminal, 22-28 AWG.

Terminal Series No	Terminal Order No.	Wi	re Size	Insulation	Diameter	Strip Length	
	Terrimai Order No.	AWG	mm²	mm	ln.	mm	ln.
35053	35053-9002	22-28	0.35-0.08	1.15-1.90	.045075	2.30-2.90	.091114

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-639007900 Release Date: 04-08-08 **UNCONTROLLED COPY** Page 1 of 5 Revision: A Revision Date: 04-08-08

CRIMP SPECIFICATION

	Terminal Series No.	Bell n	nouth	Cut-off Tab	Maximum	Conductor Brush	
		mm	In.	mm	In.	mm	ln.
	35053	0.20-0.50	.008020	0.30	.012	0.00-1.00	.000039

	Bend up Bend down		Twist Roll		Punch Width mm (Ref)				Seam
Terminal Series No.	Degree		Degree		Conductor		Insulation		
					mm	ln	mm	In	Seam shall not be open and
35053	4	4	3	8	1.40	.055	1.90	.075	no wire allowed out of the crimping area

After crimping, the conductor profile should measure the following.

Terminal Series No.	Wire Size		Conductor C	Crimp Height	Pull Force Minimum		
Terminal Series No.	AWG	mm ²	mm	ln.	N	Lb.	
35053	22	0.35	0.82-0.87	.032034	39.1	8.8	
	24	0.20	0.75-0.80	.030031	29.3	6.6	
	26	0.12	0.70-0.75	.028030	19.6	4.4	
	28	0.08	0.66-0.71	.026028	9.8	2.2	

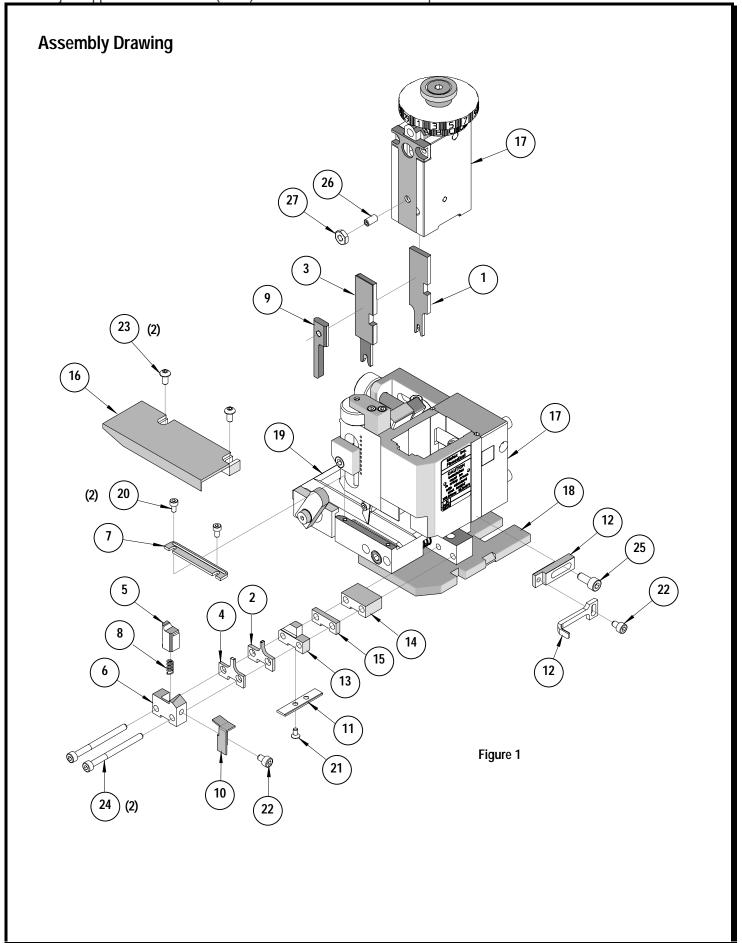
Pull Force should be measured with no influence from the insulation crimp. The above specifications are guidelines to an optimum crimp.

Page 2 of 5 Doc No: ATS-639007900 Release Date: 04-08-08 Revision Date: 04-08-08 Revision: A

PARTS LIST

FineAdjust Applicator 63900-7900							
Item	Order No	Engineering No.	Description	Quantity			
Perishable Tooling							
	63900-7970	63900-7970	Tool Kit (All "Y" Items)	REF			
1	63444-1417	63444-1417	Conductor Punch	1 Y			
2	63445-1436	63445-1436	Conductor Anvil	1 Y			
3	63446-1914	63446-1914	Insulation Punch	1 Y			
4	63445-1918	63445-1918	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 Compo	onents (REF 007950)				
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	63443-0025	63443-0025	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	63443-2306	63443-2306	3.30mm 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			
		Н	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	N/A	N/A	#10-32 Hex Jam Nut	1**			
** Available from an industrial supply company such as MSC (1-800-645-7270).							

Doc No: ATS-639007900 Release Date: 04-08-08 **UNCONTROLLED COPY** Page 3 of 5 Revision: A Revision Date: 04-08-08



Doc No: ATS-639007900 Revision: A

Release Date: 04-08-08 Revision Date: 04-08-08

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-639007900 Release Date: 04-08-08 **UNCONTROLLED COPY** Page 5 of 5 Revision: A Revision Date: 04-08-08