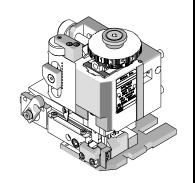


FineAdjust Applicator Specification Sheet Part No. 63900-2000



FEATURES

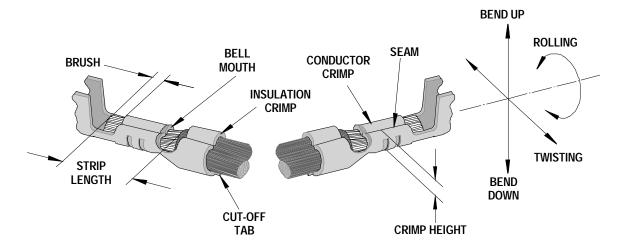
- Directly adapts to most automatic wire processing machines
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can 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: 1.78mm (.070") Tab Female Crimp Terminals, 18-22 AWG.

Terminal Series No.	Torminal Order No.	Wii	Wire Size * Insulatio		n Diameter	Strip Length		
Terrilliai Series No.	Terrilliai Order No.	AWG	mm²	mm	In. mm		ln.	
35028	35028-9010	18-22	0.80-0.35	2.00-2.90	.079114	4.20-5.00	.165197	
* This Applicator provides optimum A-620 Class 2 crimps with insulation O.D. range of 2.30-2.90 mm.								

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-639002000 Release Date: 11-08-07 **UNCONTROLLED COPY** Page 1 of 5 Revision: A Revision Date: 11-08-07

CRIMP SPECIFICATION

Terminal Series No.	Bell n	nouth	Cut-off Tak	Maximum	Conductor Brush	
Terrilliai Series No.	Mm	ln.	mm	ln.	mm	ln.
35028	0.20-0.50	.008020	0.20	.008	0.00-1.00	0.00039

Terminal	Bend up Bend down		Twict	Roll	Punch Width mm (Ref)				Seam
Series No.	•	I WIST KUII		Conductor Ir		Insulation			
Series No.	Degree		Degree		mm	ln	mm	ln	Seam shall not be open
35028	2	2	2	E	2.10	.083	2.80	.110	and no wire allowed out
33020	3	3	3	S	2.10	.003	2.00	.110	of the crimping area

After crimping, the conductor profile should measure the following.

		Wire	Cizo	Conductor				
Terminal S	Terminal Series No.	wire	Size	Crimp	Height	Crimp Width (Ref)		
		AWG	mm ²	mm	ln.	mm	ln.	
		18	0.80	1.27-1.37	.050054	2.10-2.20	.083087	
	35028	20	0.50	1.15-1.25	.045049	2.10-2.20	.083087	
Î		22	0.35	1.07-1.17	.042046	2.10-2.20	.083087	

Terminal	Wire Size			Insulati	Pull Force Minimum			
Series No.			Crimp Height Max.		Crimp	Width	Full FUIGE WIIIIIIIIIII	
Series No.	AWG	mm ²	mm	ln.	mm	ln.	N	Lb.
	18	0.80	3.00	.118	2.85-2.95	.112116	88.9	20.0
35028	20	0.50	2.70	.106	2.85-2.95	.112116	57.8	13.0
	22	0.35	2.55	.100	2.85-2.95	.112116	35.6	8.0

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

The above specifications are guidelines to an optimum crimp.

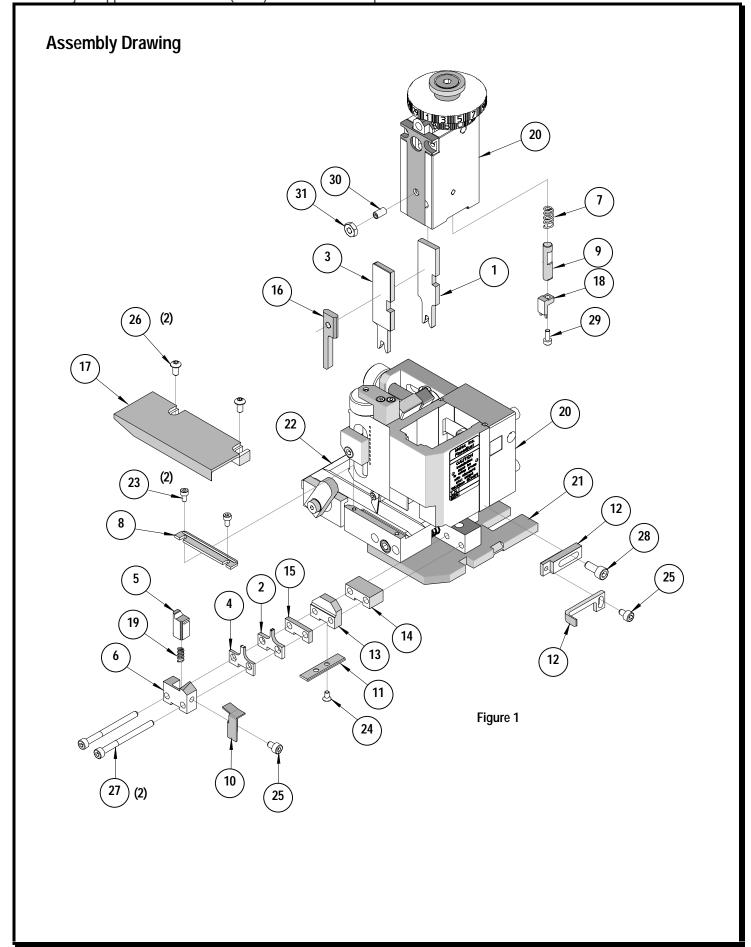
Doc No. ATS-639002000 Revision: A Release Date: 11-08-07 Revision Date: 11-08-07

PARTS LIST

FineAdjust Applicator 63900-2000										
Item	Order No Engineering No. Description									
		Perish	nable Tooling							
	63900-2070	63900-2070	Tool Kit (All "Y" Items)	REF						
1	63444-2125	63444-2125	Conductor Punch	1 Y						
2	63445-2149	63445-2149	Conductor Anvil	1 Y						
3	63454-0065	63454-0065	Insulation Punch	1 Y						
4	63445-2841	63445-2841	Insulation Anvil	1 Y						
5	63443-0035	63443-0035	Front Cut-Off Plunger	1 Y						
6	63443-0036	63443-0036	Front Plunger Retainer	1 Y						
		Other Compo	onents(REF 002050)							
7	11-17-0022	1739-21	Hold Down Spring	1						
8	11-18-4083	60707-8	Feed Guide	1						
9	11-24-1149	4996-37	Shank	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	63443-1719	63443-1719	18.9mm Height Spacer	1						
14	63443-2214	63443-2214	14.0mm Coarse Spacer	1						
15	63443-2317	63443-2317	3.85mm Fine Spacer	1						
16	63443-3160	63443-3160	Plunger Striker	1						
17	63443-6122	63443-6122	Rear Cover	1						
18	63443-7003	63443-7003	Terminal Hold Down	1						
19	63700-0539	63700-0539 63700-0539 Cut-Off Plun		1						
			Frame							
20	63800-4901	63800-4901	Тор	1						
21	63801-3281	63801-3281	Base	1						
22	63801-4650	63801-4650	Track	1						
		H	lardware							
23	N/A	N/A	M3 by 6 Long SHCS	2**						
24	N/A	N/A	M3 by 6 Long FHCS	1**						
25	N/A	N/A	M4 by 6 Long SHCS	2**						
26	N/A	N/A	M4 by 12 Long BHCS	2**						
27	N/A	N/A	M4 by 50 Long SHCS	2**						
28	N/A	N/A	M5 by 12 Lg SHCS	1**						
29	N/A	N/A	#5-40 by 3/8"Long SHCS	1**						
30	N/A N/A #10-32 by 3/8"Long Flat Point SSS		1**							
31	N/A	N/A	#10-32 Hex Jam Nut	1**						
**	** Available from an industrial supply company such as MSC (1-800-645-7270).									

UNCONTROLLED COPY Page 3 of 5 Doc No. ATS-639002000 Release Date: 11-08-07 Revision Date: 11-08-07

Revision: A



Doc No. ATS-639002000 Revision: A

Release Date: 11-08-07 Revision Date: 11-08-07

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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Doc No. ATS-639002000 Release Date: 11-08-07 **UNCONTROLLED COPY** Page 5 of 5 Revision: A Revision Date: 11-08-07