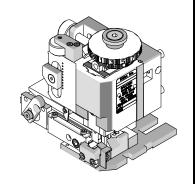


FineAdjust Applicator **Specification Sheet** Order No. 63901-2500



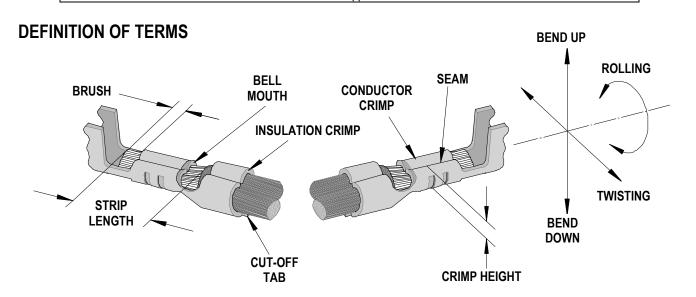
FEATURES

- 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: Sabre™ Flat Blade Crimp Terminal-18-20 AWG, UL1007 wires.

Terminal Series No.	Terminal Order No.	Wi	re Size	★ Insulatio	n Diameter	Strip Length			
		AWG	mm²	mm	ln.	mm	ln.		
43374	43374-2001 18-20 0.80-0.50 1.80-2.03 .071080 3.96-5.5								
43375	43375-2001	18-20	0.80-0.50	1.80-2.03	.071080	3.96-5.54	.156218		
★ Insulation crimp to meet IPC/WHMA-A-620 Class 2 compliance.									
Note: Terminal will accommodate the UL1007 wires.									
For UL1015 wires use Applicator 63901-2600.									



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	Cut-o	ff Tab mum	Conductor Brush Maximum		
	mm	ln.	mm In.		mm	ln.
43374	0.20-0.50	.008020	0.30	.012	0.76	.030
43375	0.20-0.50	.000020	0.30	.012	0.70	.030

	Bend up Bend down		Twist	Roll	Punch Width (Ref)				Seam	
Terminal Series No.			I WIST KOII		Conductor		Insulation			
	Degree (Max)		Degree	(Max)	mm	ln	mm	ln	Seam shall not be open	
43374	2	3	1	Q	2.00	.079	2.40	.095	and no wire allowed out	
43375	J	J	4	O	2.00	.019	2.40	.095	of the crimping area	

After crimping, the conductor profile should measure the following.

Terminal Series No.	Wire Size		Conductor C	Crimp Height	Insulation C	Pull Force Minimum		
	AWG	mm ²	mm In.		mm In.		N	Lb.
43374	18	0.80	1.16-1.26	.046050	2.90	.114	89.0	20.00
	20	0.50	1.10-1.20	.043047	2.50	.098	57.9	13.00
43375	18	0.80	1.16-1.26	.046050	2.90	.114	89.0	20.00
	20	0.50	1.10-1.20	.043047	2.50	.098	57.9	13.00

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

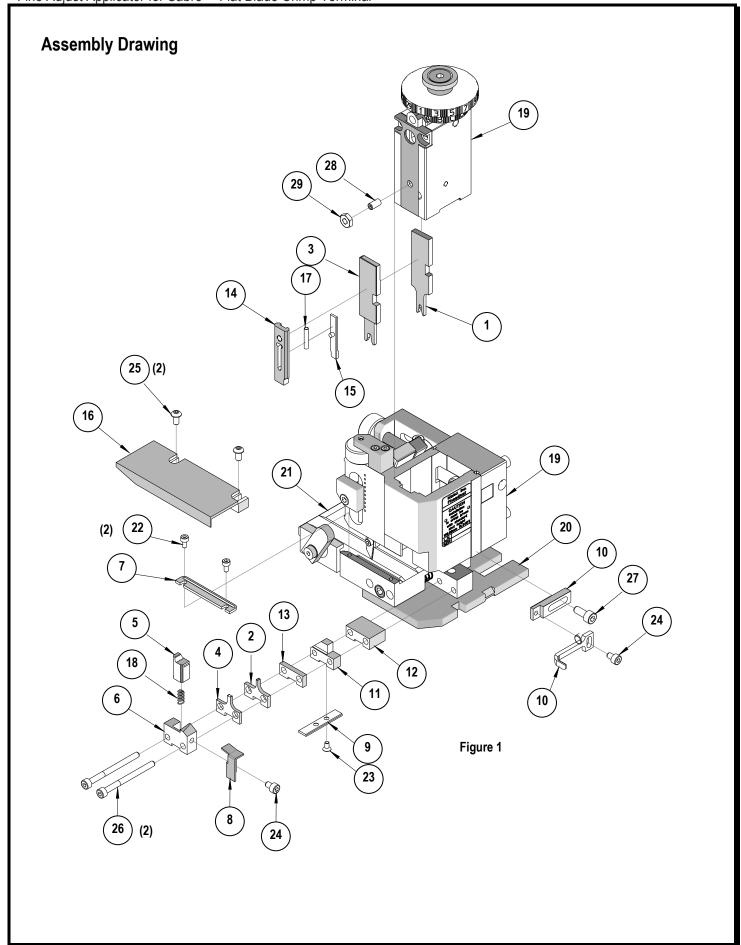
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PARTS LIST

FineAdjust Applicator 63901-2500								
Item	Order No	Engineering No.						
Item Order No Engineering No. Description Quantity Perishable Tooling								
	63901-2570	63901-2570	Tool Kit (All "Y" Items)	REF				
1	63444-2025	63444-2025	Conductor Punch	1 Y				
2	63445-2055	63445-2055	Conductor Anvil	1 Y				
3	63454-0092	63454-0092	Insulation Punch - overlap	1 Y				
4	63445-2432	63445-2432	Insulation Anvil	1 Y				
5	63443-0005	63443-0005	Cut-Off Plunger	1 Y				
6	63443-0012	63443-0012	Front Plunger Retainer	1 Y				
		Other	Components					
7	11-18-4083	60707-8	Feed Guide	1				
8	63443-0009	63443-0009	Scrape Chute	1				
9	63443-0024	63443-0024	Key	1				
10	63443-0090	63443-0090	Wire Stop	1				
11	63443-1719	63443-1719	18.90mm Spacer	1				
12	63443-2215	63443-2215	15.00mm Spacer	1				
13	63443-2302	63443-2302	3.10mm Spacer	1				
14	63443-2801	63443-2801	Front Plunger Striker	1				
15	63443-2913	63443-2913	Wire Hold Down Plunger	1				
16	63443-6121	63443-6121	Rear Cover	1				
17	63600-1057	63600-1057	Striker Plunger Spring	1				
18	63700-0539	63700-0539	Cut-off Plunger Spring	1				
Frame								
19	63800-4901	63800-4901	Тор	1				
20	63801-3281	63801-3281	Base	1				
21	63801-4650	63801-4650	Track	1				
		Н	lardware					
22	N/A	N/A	M3 by 6 Long SHCS	2**				
23	N/A	N/A	M3 by 6 Long FHCS	1**				
24	N/A	N/A	M4 by 6 Long SHCS	2**				
25	N/A	N/A	M4 by 12 Long BHCS	2**				
26	N/A	N/A	M4 by 50 Long SHCS	2**				
27	N/A	N/A	M5 by 12 Long SHCS	1**				
28	N/A	N/A	#10-32 by 3/8"Long Flat Point SSS	1**				
29	N/A	N/A	#10-32 Hex Jam Nut	1**				
*:	** 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 135.8mm (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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