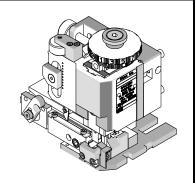


# FineAdjust Applicator Specification Sheet Order Part No. 63866-2000



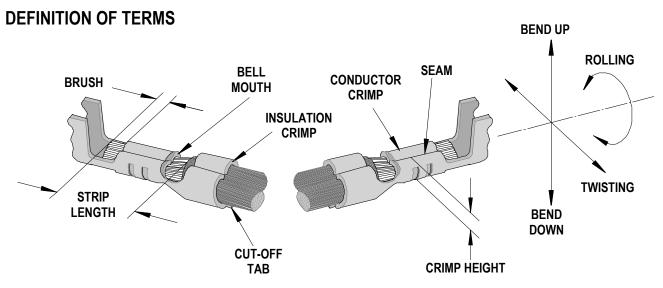
### **FEATURES**

- 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: KK® 3.96mm (.156") Centers Female Terminals 18-20 AWG.

Terminal Series No.	Terminal Order No.	Wire Size		Insulation	Diameter	Strip Length	
	Terminal Order No.	AWG	mm²	mm	ln.	mm	ln.
45570	45570-3000	18-20	0.82-0.52	1.70-2.85	.067112	2.40-3.40	.094134
	45570-3002	18-20	0.82-0.52	1.70-2.85	.067112	2.40-3.40	.094134
	45570-3004	18-20	0.82-0.52	1.70-2.85	.067112	2.40-3.40	.094134



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

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### **CRIMP SPECIFICATION**

Terminal	Bell mouth		Cut-off Tak	Maximum	Conductor Brush	
Series No.	mm	ln.	mm	ln.	mm	ln.
45570	0.20-0.50	.008020	0.40	.015	0.30-0.90	.012035

Terminal	Bend up Bend down		Twist	Roll	Roll Punch		Width (Ref)		Seam	
Series No.	Dograo		Degree		Conductor		Insulation		Seam shall not be open	
Series No. Degree		jiee			mm	In	mm	In	and no wire allowed out of	
45570	5	1	4	8	1.80	.071	3.00	.118	the crimping area	

After crimping, the conductor profile should measure the following.

Terminal	Wire Size		Crimp	Height	Pull Force Minimum		
Series No.	AWG	mm²	mm	ln.	N	Lb.	
45570	18	0.82	1.20-1.30	.047051	89.0	20.00	
	20	0.52	1.10-1.20	.043047	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 63866-2000								
Item	Order No.	Engineering No.	Description	Quantity				
	Perishable Tooling							
	63866-2070	63866-2070	Tool Kit (All "Y" Items)	REF				
1	63444-1820	63444-1820	Conductor Punch	1 Y				
2	63445-1836	63445-1836	Conductor Anvil	1 Y				
3	63446-3002	63446-3002	Insulation Punch	1 Y				
4	63445-3017	63445-3017	Insulation Anvil	1 Y				
5	63443-0002	63443-0002	Cut-Off Plunger	1 Y				
6	63443-0005	63443-0005	Front Cut-Off Plunger	1 Y				
7	63443-0012	63443-0012	Front Plunger Retainer	1 Y				
8	63443-1002	63443-1002	Rear Plunger Retainer	1 Y				
9	63443-1403	63443-1403	Cut-off Die Blade	1 Y				
		Other	Components					
10	11-18-4083	60707-8	Feed Guide	1				
11	11-24-1067	4996-4	Cut-Off Plunger Spring	2				
12	63443-0025	63443-0025	Key	1				
13	63443-0091	63443-0091	Wire Stop	1				
14	63443-1741	63443-1741	17.00mm Height Spacer	1				
15	63443-2204	63443-2204	4.00mm Spacer	1				
16	63443-2310	63443-2310	3.50mm Spacer	1				
17	63443-2802	63443-2802	Front Plunger Striker	1				
18	63443-2907	63443-2907	Wire Hold Down Plunger	1				
19	63443-3060	63443-3060	Rear Plunger Striker	1				
20	63443-6117	63443-6117	Rear Cover	1				
21	63600-0021	63600-0021	Compression Spring	1				
Frame								
22	63800-4901	63800-4901	Тор	1				
23	63801-3281	63801-3281	Base	1				
24	63801-4650	63801-4650	Track	1				
		Н	ardware					
25	N/A	N/A	M3 by 6 Long SHCS	2**				
26	N/A	N/A	M3 by 6 Long FHCS	1**				
27	N/A	N/A	M4 by 6 Long SHCS	1**				
28	N/A	N/A	M4 by 10 Long BHCS	2**				
29	N/A	N/A	M4 by 12 Long BHCS	2**				
30	N/A	N/A	M4 by 30 Long SHCS	1**				
31	N/A	N/A	M4 by 50 Long SHCS	1**				
32	N/A	N/A	M5 by 12 Long SHCS	1**				
33	N/A	N/A	#10-32 by 3/8"Long Flat point SSS	1**				
34	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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