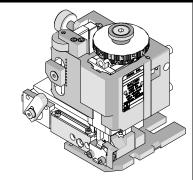


FineAdjust Applicator Specification Sheet Order No. 63901-1700



FEATURES

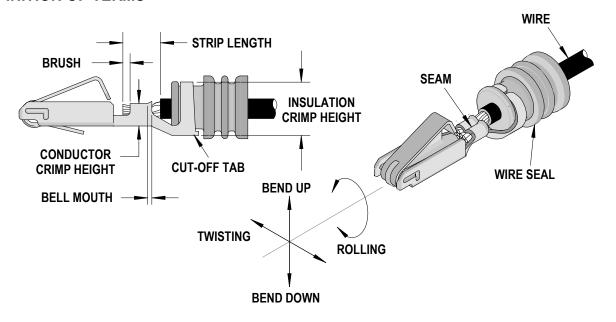
- Directly adapts to most automatic wire processing machines
- Quick punch removal with the push of a button for fast and easy tooling change
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can 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: Sealed PT-Bulb Socket Earth Terminal, 0.50-0.85mm².

Terminal	Terminal	Wire Size		Insulation	Diameter	Strip Length				
Series No.	Order No.			Termi	inal 🔷					
Series No.		AWG	mm²	mm	ln.	mm	ln.			
		AVS-0.50	0.50	2.00-2.10	.079083		.188205			
35465	35465-8000	AVS-0.85	0.85	2.20-2.30	.087091	4.80-5.20				
33403	33403-0000	AVSS-0.50	0.50	1.60-1.70	.063067	4.00-3.20				
		AVSS-0.85	0.85	1.80-1.90	.071075					
	◆Overall insulation OD specification for terminal.									

DEFINITION OF TERMS



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CRIMP SPECIFICATION

Tor	Terminal Series No.	Bell n	nouth	Cut-off Tab	Maximum	Conduct	or Brush
	reminiai Senes No.	mm	ln.	mm	ln.	mm	ln.
	35465	0.30-0.60	.012024	N/A	N/A	0.30-0.80	.012031

	Bend up Bend down		Twist	Roll	Punch Width mm (Ref)				Seam
Terminal Series No.			I WIST ROII		Conductor		Insulation		Seam shall not be open
	Degree	(Max)	Degree	(Max)	mm	ln	mm	ln	and no wire allowed out
35465	3	3	3	5	2.10	.083	4.50	.177	of the crimping area

After crimping, the conductor profile should measure the following.

Terminal Series No.				Pull Force				
	Wire Size	Actual mm ²	Crimp	Height	Crimp Wi	Minimum		
Series No.			mm	ln.	mm	ln.	N	Lb.
35465	0.50	0.50	0.90-1.10	.035043	2.00-2.20	.079087	88.3	19.8
33403	0.85	0.85	1.00-1.20	.039047	2.00-2.20	.079087	127.5	28.7

	Wire Size	Actual mm²		Insulation						
Terminal Series No.			Wire Rear	Crimp Height Maximum		Crimp Width (Ref.)				
			Order No.	Color	mm	ln.	mm	ln.		
35465	0.50	0.50	35903-0075	35003 0075	35003 0075	Blue	4.20	.165	4.40-4.60	.173181
	0.85	0.85		Dide	4.20	.165	4.40-4.60	.173181		

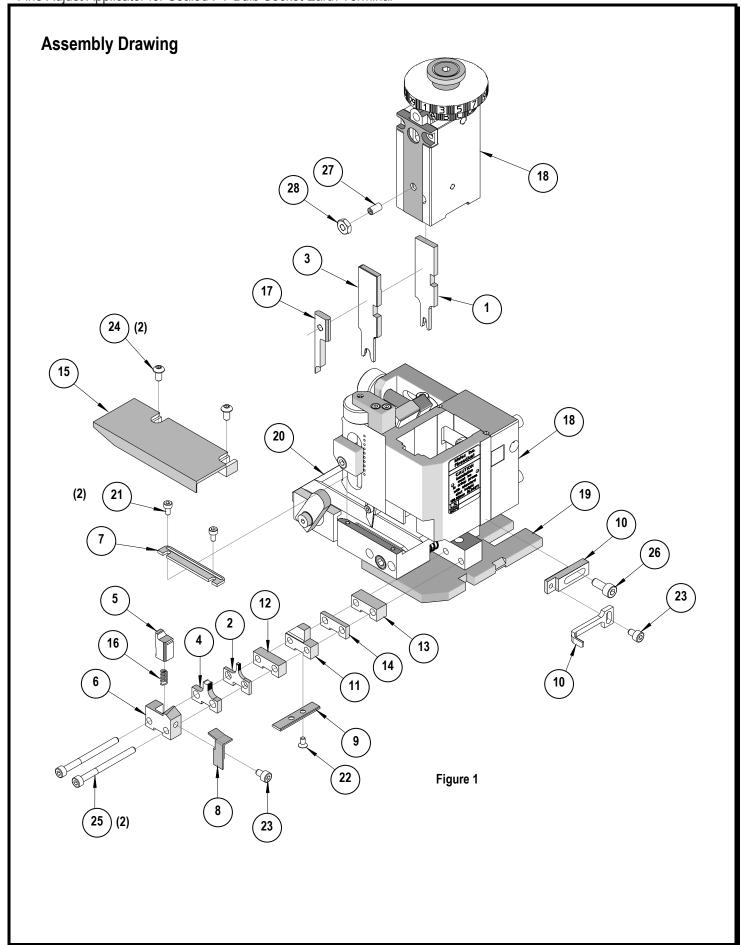
Pull Force should be measured with no influence from the insulation crimp. The above specifications are guidelines to an optimum crimp.

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PARTS LIST

	FineAdjust Applicator 63901-1700										
Item	Order No	Engineering No.	Description	Quantity							
		Perish	nable Tooling								
	63901-1770	63901-1770	Tool Kit (All "Y" Items)	REF							
1	63457-0048	63457-0048	Conductor Punch	1 Y							
2	63445-2107	63445-2107	Conductor Anvil	1 Y							
3	63454-0083	63454-0083	Insulation Punch	1 Y							
4	63456-0057	63456-0057	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 011750)								
7	11-18-4083	60707-8	Feed Guide	1							
8	63443-0009	63443-0009	Front Scrap Chute	1							
9	63443-0025	63443-0025	Key	1							
10	63443-0090	63443-0090	Wire Stop	1							
11	63443-1717	63443-1717	18.70mm Height Spacer	1							
12	63443-2207	63443-2207	7.00mm Coarse Spacer	1							
13	63443-2209	63443-2209	9.00mm Coarse Spacer	1							
14	63443-2305	63443-2305	3.25mm Fine Spacer	1							
15	63443-6123	63443-6123	Rear Cover	1							
16	63700-0539	63700-0539	Cut-Off Plunger Spring	1							
17	63890-0070	63890-0070	Front Plunger Striker	1							
			Frame								
18	63800-4901	63800-4901	Тор	1							
19	63801-3281	63801-3281	Base	1							
20	63801-4650	63801-4650	Track	1							
		Н	ardware								
21	N/A	N/A	M3 by 6 Long SHCS	2**							
22	N/A	N/A	M3 by 6 Long FHCS	1**							
23	N/A	N/A	M4 by 6 Long SHCS	2**							
24	N/A	N/A	M4 by 12 Long BHCS	2**							
25	N/A	N/A	M4 by 50 Long SHCS	2**							
26	N/A	N/A	M5 by 12 Lg SHCS	1**							
27	N/A	N/A	#10-32 by 3/8"Long Flat Point SSS	1**							
28	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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Revision: A

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