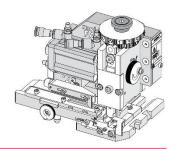
Order Number 63808-2610







### **FEATURES**

- Applicator designed to industry-standard mounting and 135.80mm (5.346") shut height
- Quick setup 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 .025mm (.001") for insulation height
- Fine adjustment of the bend is achieved using the bend adjust dial
- 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
- This applicator is configured with a pneumatic feed, which requires a 4-way pneumatic valve for operation

## **SCOPE**

**Products:** MX150 18 Grip Receptacle for 20 AWG and 0.75mm<sup>2</sup> wire.

Terminal Series No.	Terminal Order No.	Wire		<b>Insulation Diameter</b>		Strip Length	
		Wire Type	Wire Size	mm	In.	mm	In.
33001 33012 34750	33001-3004 33001-5002 33012-3002 34750-1002	GXL	20 AWG	1.60-2.54	.063100	4.70-5.60	.185220
		HIFLON	20 AWG	1.60-2.54	.063100	4.70-5.60	.185220
		TXL	20 AWG	1.60-2.54	.063100	4.70-5.60	.185220
		EXRAD BLOCKED	0.75 mm <sup>2</sup>	1.60-2.54	.063100	4.70-5.60	.185220
		PSA FTP 00949_10_00768	0.75 mm <sup>2</sup>	1.60-2.54	.063100	4.70-5.60	.185220
		FLR91X-A-XLPO M1I-126A1 EXRAD UNBLOCKED	0.75 mm²	1.60-2.54	.063100	4.70-5.60	.185220

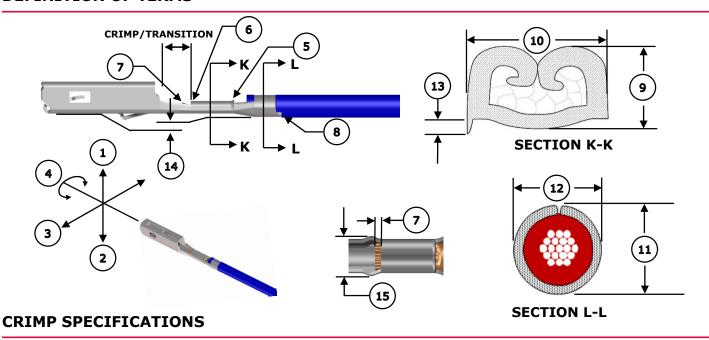
**CAUTION:** This applicator was designed for use in a wire processor only.

**CAUTION:** To operate the pneumatic feed, a 4-way pneumatic valve is required.

Page 1 of 7 Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** 

Revision: A1 Revision Date: 10-03-18

## **DEFINITION OF TERMS**



The following crimp specifications are based on document AS-33012-002 Rev. E:

Feature	Requirement							
1. Bend Up	3° Max							
2. Bend Down	3° Max							
3. Twist	3° Max							
4. Roll	3° Max							
5. Bell Mouth Rear	0.30-0.70mm (.012028")							
6. Bell Mouth Front	Not Applicable							
7. Conductor Brush	0.40mm (.016") Not to extend above conductor crimp/transition height							
8. Cut-Off Tab	0.50mm (.020") Max No Burr							
	Wire Type	Wire Size	9. Crim	Height	10. Crim	p Width		
	GXL	20 AWG	1.10-1.20mm	.043047 in.	2.05-2.25mm	.081089 in.		
	HIFLON	20 AWG	1.10-1.20mm	.043047 in.	2.05-2.25mm	.081089 in.		
Conductor Crimp	TXL	20 AWG	1.10-1.20mm	.043047 in.	2.05-2.25mm	.081089 in.		
Conductor Crimp	EXRAD BLOCKED	0.75 mm <sup>2</sup>	1.10-1.20mm	.043047 in.	2.05-2.25mm	.081089 in.		
	PSA FTP 00949_10_00768	0.75 mm <sup>2</sup>	1.25-1.35mm	.049053 in.	2.05-2.25mm	.081089 in.		
	FLR91X-A-XLPO M1l-126A1 EXRAD UNBLOCKED	0.75 mm²	1.20-1.30mm	.047051 in.	2.05-2.25mm	.081089 in.		
	Wire Type	Wire Size	11. Crim	p Height	12. Crim	p Width		
	GXL	20 AWG	1.90-2.10mm	.075083 in.	2.20-2.40mm	.087094 in.		
	HIFLON	20 AWG	1.80-2.35mm	.071093 in.	2.00-2.20mm	.079087 in.		
Insulation Crimp	TXL	20 AWG	1.80-2.00mm	.071079 in.	2.00-2.20mm	.079087 in.		
Thisulation Crimp	EXRAD BLOCKED	0.75 mm <sup>2</sup>	2.25-2.35mm	.089093 in.	2.00-2.20mm	.079087 in.		
	PSA FTP 00949_10_00768	0.75 mm <sup>2</sup>	2.25-2.35mm	.089093 in.	2.00-2.20mm	.079087 in.		
	FLR91X-A-XLPO M1l-126A1 EXRAD UNBLOCKED	0.75 mm²	.089093mm	.089093 in.	2.00-2.20mm	.079087 in.		

Doc. No: 638082610 Page 2 of 7 Release Date: 09-21-18 **UNCONTROLLED COPY** 

Revision: A1 Revision Date: 10-03-18

	Wire Type	Wire Size	Minimum Force		
	GXL	20 AWG	75 N	16.9 lb.	
	HIFLON	20 AWG	75 N	16.9 lb.	
Pull Force	TXL	20 AWG	75 N	16.9 lb.	To be measured with no
Pull Force	EXRAD BLOCKED	0.75 mm <sup>2</sup>	90 N	20.3 lb.	influence from the insulation
	PSA FTP 00949_10_00768	0.75 mm <sup>2</sup>	90 N	20.3 lb.	crimp.
	FLR91X-A-XLPO M1l-126A1 EXRAD UNBLOCKED	0.75 mm²	90 N	20.3 lb.	
13. Conductor Anvil Flash	0.22mm (.009") Max				
14. Insulation Grip Step	0.20-0.40mm (.008016")				
15. Crimp Bulge	2.65mm (.104") Max within crimp/transition area				

#### **NOTES**

#### **Applicator Notes**

- This applicator is for automatic wire processor use only.
- This applicator does not include a cutting insert.
- Installing a cutting insert will cause jamming in this applicator.

# **Specification Notes**

- It is very important that the brush length is consistently within specification for this sealed connector system to work properly.
- This applicator should only be run in a properly set up wire processor to consistently achieve the brush length.

**CUTTING INSERT** 

#### **General Notes**

- 1. Molex recommends that an extra perishable tooling kit be maintained at your facility.
- 2. Verify tooling alignment by hand 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 the work area.
- 4. Wear safety glasses at all times.
- 5. For recommended maintenance, refer to the FA2 manual (TM-638080200).
- 6. Molex recommends crimping standard copper wire only.
- 7. Lubrication must be used when crimping gold and select gold terminals to prevent terminals from sticking in the conductor punch. Use 63801-7240 oiler or equivalent.

#### WARNINGS

**CAUTION:** This applicator must be installed in a press with a standard shut height of 135.80mm (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 tooling crimp specifications are valid only when used with Molex terminals and tooling manufactured by Molex and sold by Molex or authorized distributors ("Molex Tooling"). When using tooling other than Molex Tooling with Molex-specific connector systems listed in our ATS documents, the Molex Tooling qualification does not apply, and the responsibility for full qualification of the connector system is that of the customer. Molex accepts no liability for connector performance or tooling support where tooling other than Molex Tooling is used or where Molex Tooling is modified.

Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** Page 3 of 7 Revision: A1 Revision Date: 10-03-18

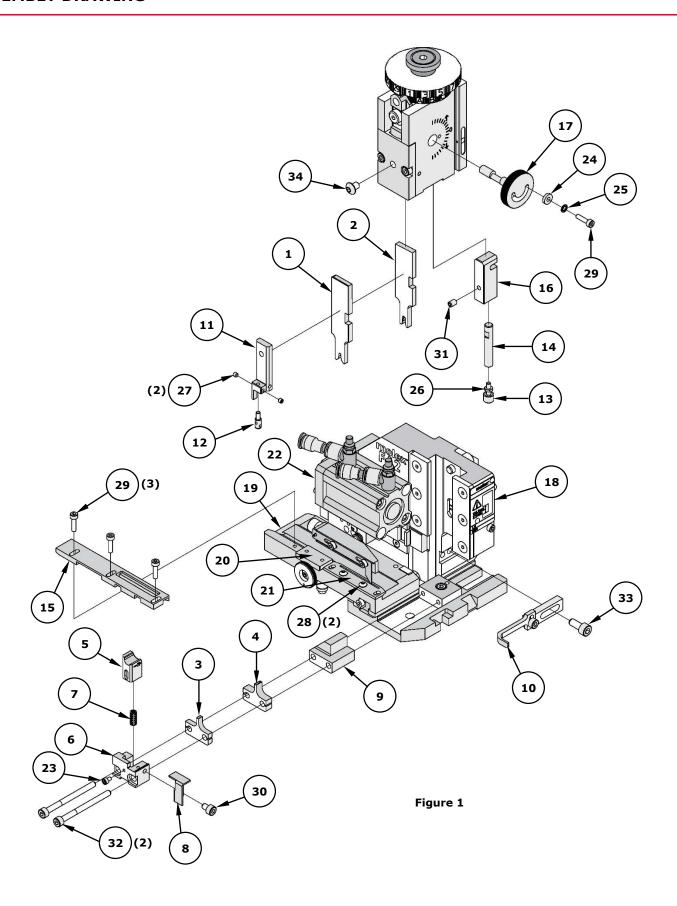
## **PARTS LIST**

Section   Color   Co	FA2 Applicator 63808-2610								
G3808-2670   G3808-2670   Tool Kit (All "Y" Items)   Ref	Item	Order No.			Quantity				
1         63454-0171         63454-0171         Insulation Punch         1 Y           2         63457-0117         63457-0117         Conductor Punch         1 Y           3         63456-2002         63456-2002         Insulation Anvil         1 Y           4         63455-0145         63455-0145         Conductor Anvil         1 Y           5         63443-0034         Front Plunger         1 Y           Non-Perishable Components           6         63443-0128         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-0117         Front Scrap Shute         1           10         63443-017         63443-0117         Front Scrap Shute         1           11         63443-017         63443-0117         Front Scrap Shute         1           12         63443-3002         Anvil Mount         1           13         63600-5776         63600-576         Mire Hold Down Plunger         1           14         63403-3702         63403-3702 <td< th=""><th colspan="8"></th></td<>									
2         63457-0117         63457-0117         Conductor Punch         1 Y           3         63456-2002         63456-2002         Insulation Anvil         1 Y           4         63455-0145         63455-0145         Conductor Anvil         1 Y           5         63443-0034         Front Plunger         1 Y           Non-Perishable Components           6         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0909         Wire Stop         1           11         63443-3601         63443-0909         Wire Stop         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           15         63443-4714         63443-4714         Terminal Guide         1           16         63808-0229         63808-0229         Bend Adjust Dial         1		63808-2670	63808-2670	Tool Kit (All "Y" Items)	Ref				
3         63456-2002         63456-2002         Insulation Anvil         1 Y           4         63455-0145         63455-0145         Conductor Anvil         1 Y           5         63443-0034         Front Plunger         1 Y           Non-Perishable Components           6         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0990         Wire Stop         1           11         63443-3601         Front Plunger Striker         1           12         63443-3702         63443-3601         Front Plunger Striker         1           11         63443-3702         63443-3601         Front Plunger Striker         1           12         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           15         63443-4714         63443-4714         Terminal Guide         1           16	1	63454-0171	63454-0171	Insulation Punch	1 Y				
4         63455-0145         63455-0145         Conductor Anvil         1 Y           5         63443-0034         63443-0034         Front Plunger         1 Y           Non-Perishable Components           6         63443-0128         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         Anvil Mount         1           10         63443-0090         63443-090         Wire Stop         1           11         63443-3601         63443-3702         Wire Hold Down Plunger         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           15         63443-4714         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           18         63808-0200         63808-020         App		63457-0117	63457-0117	Conductor Punch	1 Y				
5         63443-0034         63443-0034         Front Plunger         1 Y           Non-Perishable Components           6         63443-0128         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0090         Wire Stop         1           11         63443-3601         63443-3601         Front Plunger Striker         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           18         63808-0200         63808-020         Applicator Core		63456-2002	63456-2002	Insulation Anvil	1 Y				
Non-Perishable Components		63455-0145	63455-0145	Conductor Anvil	1 Y				
6         63443-0128         63443-0128         Front Plunger Retainer         1           7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0090         G3443-0090         Wire Stop         1           11         63443-3601         Front Plunger Striker         1           12         63443-3702         G3443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1         1           14         63600-5775         63600-5775         Nose Hold Down Block         1         1           15         63443-4714         Terminal Guide         1         1         1         63808-0220         Hold Down Block         1         1         1         63808-0220         Hold Down Block         1         1         1         63808-0229         Bend Adjust Dial         1         1         1         63443-4601         63443-4601         Track Assembly         1         2         63443-4601         63443-4601	5	63443-0034	63443-0034	Front Plunger	1 Y				
7         11-24-1067         4996-4         Cut-Off Plunger Spring         1           8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0090         Wire Stop         1           11         63443-3601         Front Plunger Striker         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Plunger         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           18         63808-0220         63808-0229         Bend Adjust Dial         1           19         63443-4601         63443-4801         Track Assembly         1           20         63443-4801         Drag Pad         1           21         63443-4602         Carrier Cover         1									
8         63443-0117         63443-0117         Front Scrap Shute         1           9         63443-7502         63443-7502         Anvil Mount         1           10         63443-0090         63443-0090         Wire Stop         1           11         63443-3601         63443-3601         Front Plunger Striker         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           14         63600-5775         63600-5775         Nose Hold Down Block         1           15         63443-4714         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           18         63808-0229         Bend Adjust Dial         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4601         63443-4601         Drag Pad         1           21         63443-4602         Carrier Cover         1           22         63808-0196         <	6	63443-0128		Front Plunger Retainer	1				
9 63443-7502 63443-7502 Anvil Mount 1 10 63443-0090 63443-0090 Wire Stop 1 11 63443-3601 63443-3601 Front Plunger Striker 1 12 63443-3702 63443-3702 Wire Hold Down Plunger 1 13 63600-5776 63600-5776 Nose Hold Down Shank 1 15 63443-4714 63443-4714 Terminal Guide 1 16 63808-0220 63808-0220 Hold Down Block 1 17 63808-0229 63808-0229 Bend Adjust Dial 1 18 63808-0200 63808-0200 Applicator Core 1 19 63443-4601 63443-4601 Track Assembly 1 20 63443-4801 63443-4801 Drag Pad 1 21 63443-4602 63443-4602 Carrier Cover 1 22 63808-0196 63808-0196 Pneumatic Feed Assembly 1  Hardware  23 — — M2.5 by 4 Long SHCS 1* 24 — — M3 Flat Washer Hard 1* 25 — — M3 Inner Tooth Lock Washer 1* 26 — — M3 Hex Nut 1* 27 — M3 by 3 Long SSS 2* 28 — — M3 by 6 long BHCS 2* 29 — M3 by 6 long BHCS 4*		11-24-1067		Cut-Off Plunger Spring					
10         63443-0090         63443-0090         Wire Stop         1           11         63443-3601         63443-3601         Front Plunger Striker         1           12         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           18         63808-0200         63808-0229         Bend Adjust Dial         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4601         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M3 Flat Washer Hard         1*	8	63443-0117	63443-0117	Front Scrap Shute	1				
11         63443-3601         63443-3601         Front Plunger Striker         1           12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4602         Carrier Cover         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M3 Flat Washer Hard         1*           25	9	63443-7502	63443-7502	Anvil Mount					
12         63443-3702         63443-3702         Wire Hold Down Plunger         1           13         63600-5776         63600-5776         Nose Hold Down Shank         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0220         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M3.5 by 4 Long SHCS         1*           24         —         —         M3 Inner Tooth Lock Washer         1*           25 </td <td>10</td> <td>63443-0090</td> <td>63443-0090</td> <td>Wire Stop</td> <td>1</td>	10	63443-0090	63443-0090	Wire Stop	1				
13         63600-5776         63600-5776         Nose Hold Down         1           14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0229         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4601         63443-4801         Drag Pad         1           21         63443-4602         Carrier Cover         1           Hardware           23         —         —         M2.5 by 4 Long SHCS         1*           24         —         —         M3 Flat Washer Hard         1*           25         —         —         M3 Hax Nut         1* <td>11</td> <td>63443-3601</td> <td>63443-3601</td> <td>Front Plunger Striker</td> <td>1</td>	11	63443-3601	63443-3601	Front Plunger Striker	1				
14         63600-5775         63600-5775         Nose Hold Down Shank         1           15         63443-4714         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M3 Flat Washer Hard         1*           24         —         —         M3 Inner Tooth Lock Washer         1*           25         —         —         M3 Hex Nut         1*           26         —         —         M3 by 3 Long SSS         2*           28         —         —         M3 by 6 long BHCS         2*	12	63443-3702	63443-3702	Wire Hold Down Plunger					
15         63443-4714         63443-4714         Terminal Guide         1           16         63808-0220         63808-0220         Hold Down Block         1           17         63808-0229         Bend Adjust Dial         1           Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M3 Flat Washer Hard         1*           24         —         —         M3 Inner Tooth Lock Washer         1*           25         —         —         M3 Hex Nut         1*           26         —         —         M3 by 3 Long SSS         2*           28         —         —         M3 by 6 long BHCS         4*	13	63600-5776	63600-5776	Nose Hold Down	1				
16       63808-0220       63808-0220       Hold Down Block       1         17       63808-0229       Bend Adjust Dial       1         Frame         18       63808-0200       63808-0200       Applicator Core       1         19       63443-4601       63443-4601       Track Assembly       1         20       63443-4801       63443-4801       Drag Pad       1         21       63443-4602       63443-4602       Carrier Cover       1         22       63808-0196       Pneumatic Feed Assembly       1         Hardware         23       —       —       M2.5 by 4 Long SHCS       1*         24       —       —       M3 Flat Washer Hard       1*         25       —       —       M3 Inner Tooth Lock Washer       1*         26       —       —       M3 by 3 Long SSS       2*         28       —       —       M3 by 6 long BHCS       2*         29       —       —       M3 by 12 Long SHCS       4*	14	63600-5775	63600-5775	Nose Hold Down Shank	1				
Frame           Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M2.5 by 4 Long SHCS         1*           24         —         —         M3 Flat Washer Hard         1*           25         —         —         M3 Inner Tooth Lock Washer         1*           26         —         —         M3 Hex Nut         1*           27         —         —         M3 by 3 Long SSS         2*           28         —         —         M3 by 6 long BHCS         2*           29         —         —         M3 by 12 Long SHCS         4*	15	63443-4714	63443-4714	Terminal Guide	1				
Frame           18         63808-0200         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M2.5 by 4 Long SHCS         1*           24         —         —         M3 Flat Washer Hard         1*           25         —         —         M3 Inner Tooth Lock Washer         1*           26         —         —         M3 Hex Nut         1*           27         —         —         M3 by 3 Long SSS         2*           28         —         —         M3 by 6 long BHCS         2*           29         —         —         M3 by 12 Long SHCS         4*	16	63808-0220	63808-0220	Hold Down Block	1				
18         63808-0200         Applicator Core         1           19         63443-4601         63443-4601         Track Assembly         1           20         63443-4801         63443-4801         Drag Pad         1           21         63443-4602         63443-4602         Carrier Cover         1           22         63808-0196         63808-0196         Pneumatic Feed Assembly         1           Hardware           23         —         —         M2.5 by 4 Long SHCS         1*           24         —         —         M3 Flat Washer Hard         1*           25         —         —         M3 Inner Tooth Lock Washer         1*           26         —         —         M3 Hex Nut         1*           27         —         —         M3 by 3 Long SSS         2*           28         —         —         M3 by 6 long BHCS         2*           29         —         —         M3 by 12 Long SHCS         4*	17	63808-0229	63808-0229	Bend Adjust Dial	1				
19       63443-4601       63443-4601       Track Assembly       1         20       63443-4801       63443-4801       Drag Pad       1         21       63443-4602       63443-4602       Carrier Cover       1         22       63808-0196       Pneumatic Feed Assembly       1         Hardware         23       —       —       M2.5 by 4 Long SHCS       1*         24       —       —       M3 Flat Washer Hard       1*         25       —       —       M3 Inner Tooth Lock Washer       1*         26       —       —       M3 Hex Nut       1*         27       —       —       M3 by 3 Long SSS       2*         28       —       —       M3 by 12 Long SHCS       4*									
20       63443-4801       Brag Pad       1         21       63443-4602       63443-4602       Carrier Cover       1         22       63808-0196       Pneumatic Feed Assembly       1         Hardware         23       —       —       M2.5 by 4 Long SHCS       1*         24       —       —       M3 Flat Washer Hard       1*         25       —       —       M3 Inner Tooth Lock Washer       1*         26       —       —       M3 Hex Nut       1*         27       —       —       M3 by 3 Long SSS       2*         28       —       —       M3 by 6 long BHCS       2*         29       —       —       M3 by 12 Long SHCS       4*	18	63808-0200	63808-0200	Applicator Core	1				
21       63443-4602       63443-4602       Carrier Cover       1         22       63808-0196       Pneumatic Feed Assembly       1         Hardware         23       —       —       M2.5 by 4 Long SHCS       1*         24       —       —       M3 Flat Washer Hard       1*         25       —       —       M3 Inner Tooth Lock Washer       1*         26       —       —       M3 Hex Nut       1*         27       —       —       M3 by 3 Long SSS       2*         28       —       —       M3 by 6 long BHCS       2*         29       —       —       M3 by 12 Long SHCS       4*	19	63443-4601	63443-4601	Track Assembly	1				
22     63808-0196     Pneumatic Feed Assembly     1       Hardware       23     —     —     M2.5 by 4 Long SHCS     1*       24     —     —     M3 Flat Washer Hard     1*       25     —     —     M3 Inner Tooth Lock Washer     1*       26     —     —     M3 Hex Nut     1*       27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     —     M3 by 12 Long SHCS     4*	20	63443-4801	63443-4801	Drag Pad	1				
Hardware         23       —       —       M2.5 by 4 Long SHCS       1*         24       —       —       M3 Flat Washer Hard       1*         25       —       —       M3 Inner Tooth Lock Washer       1*         26       —       —       M3 Hex Nut       1*         27       —       —       M3 by 3 Long SSS       2*         28       —       —       M3 by 6 long BHCS       2*         29       —       —       M3 by 12 Long SHCS       4*		63443-4602	63443-4602	Carrier Cover					
23     —     M2.5 by 4 Long SHCS     1*       24     —     M3 Flat Washer Hard     1*       25     —     M3 Inner Tooth Lock Washer     1*       26     —     —     M3 Hex Nut     1*       27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     M3 by 12 Long SHCS     4*	22	63808-0196	63808-0196	Pneumatic Feed Assembly	1				
24     —     M3 Flat Washer Hard     1*       25     —     M3 Inner Tooth Lock Washer     1*       26     —     —     M3 Hex Nut     1*       27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     —     M3 by 12 Long SHCS     4*									
25     —     —     M3 Inner Tooth Lock Washer     1*       26     —     —     M3 Hex Nut     1*       27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     —     M3 by 12 Long SHCS     4*		_	_	M2.5 by 4 Long SHCS					
26     —     —     M3 Hex Nut     1*       27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     —     M3 by 12 Long SHCS     4*	24	_	_	M3 Flat Washer Hard	1*				
27     —     —     M3 by 3 Long SSS     2*       28     —     —     M3 by 6 long BHCS     2*       29     —     —     M3 by 12 Long SHCS     4*	25	_	_	M3 Inner Tooth Lock Washer	1*				
28         —         —         M3 by 6 long BHCS         2*           29         —         —         M3 by 12 Long SHCS         4*	26	1	_	M3 Hex Nut	1*				
28     —     —     M3 by 6 long BHCS     2*       29     —     M3 by 12 Long SHCS     4*	27	_	_	M3 by 3 Long SSS	2*				
	28	_	_	M3 by 6 long BHCS	2*				
30 — — M4 by 6 Long SHCS 1*	29		_	M3 by 12 Long SHCS	4*				
	30		_	M4 by 6 Long SHCS	1*				
31 – M4 by 6 Long SSS 1*	31		_						
32 — — M4 by 50 Long SHCS 2*	32		_	M4 by 50 Long SHCS	2*				
33 M5 by 12 Long SHCS 1*	33		_	M5 by 12 Long SHCS	1*				
34 — #10-32UNF by .25" Long BHCS 1*	34		_	#10-32UNF by .25" Long BHCS	1*				

<sup>\*</sup>Fastener parts can be purchased through most industrial suppliers by using the description in the table above.

Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** Page 4 of 7 Revision: A1 Revision Date: 10-03-18

## **ASSEMBLY DRAWING**



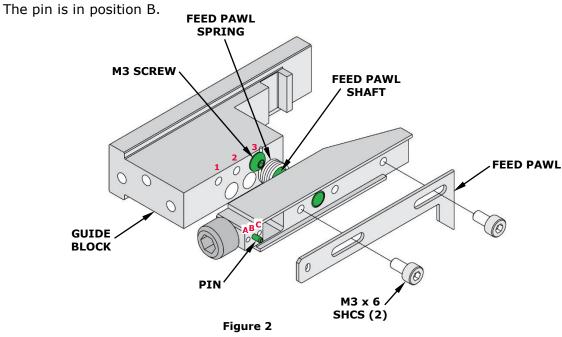
Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** Page 5 of 7 Revision: A1 Revision Date: 10-03-18

### **FACTORY SETTINGS**

### **Feed Pawl Assembly**

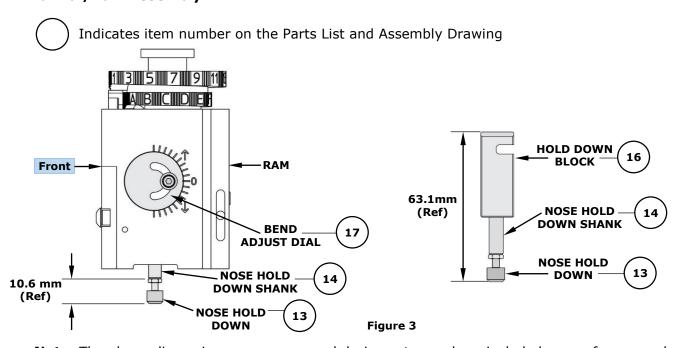
The FA2 applicator number 63808-2610 ships with the following factory settings. See Figure 2:

• The feed pawl shaft and M3 screw that holds the feed pawl spring are in position 3.



**Note:** Each applicator is configured and tested by Molex prior to shipping, and the above settings were used to produce the included sample crimps.

## Third Dial/Ram Assembly



**Note:** The above dimensions were measured during setup and are included as a reference only. Additional adjustments may be required before crimping for production.

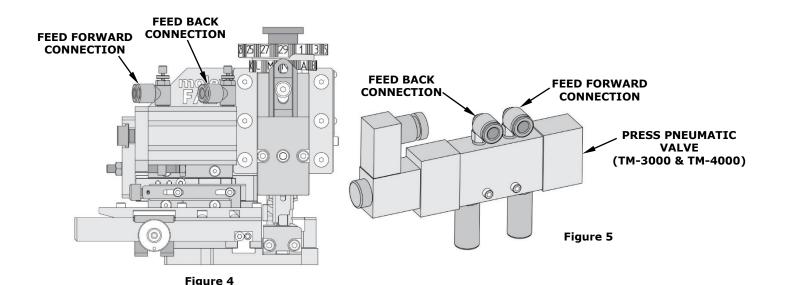
Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** Page 6 of 7 Revision: A1 Revision Date: 10-03-18

### PNEUMATIC CONNECTION (AIR FEED)

- The pneumatic feed applicator uses a double-acting air cylinder that must be actuated by a 4-way pneumatic valve.
- The air cylinder is equipped with push-in fittings for 6mm diameter vinyl or Nylon tube. Adapters are included for ¼" diameter and 4mm diameter vinyl or Nylon tube.

**Note:** The TM-3000 and TM-4000 presses have pneumatic valves with  $\frac{1}{4}$ " diameter tube fittings. Be sure to install the  $\frac{1}{4}$ " diameter adapters in the air cylinder fittings and use  $\frac{1}{4}$ " diameter vinyl or Nylon tube.

- Pneumatic tubes must be connected as shown in Figure 4. Tubes are typically connected so the terminal feed is forward when the applicator ram is up.
- When using the TM-3000 or TM-4000 presses, connect the tubes to the press pneumatic valve as shown in Figure 5.



#### **Application Tooling Support**

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Doc. No: 638082610 Release Date: 09-21-18 **UNCONTROLLED COPY** Page 7 of 7 Revision: A1 Revision Date: 10-03-18