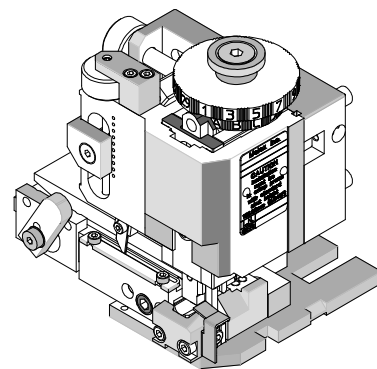




## FineAdjust Applicator Specification Sheet Order No. 63862-9000



### FEATURES

- 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 0.15mm (.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
- Directly adapts to most automatic wire processing machines

### SCOPE

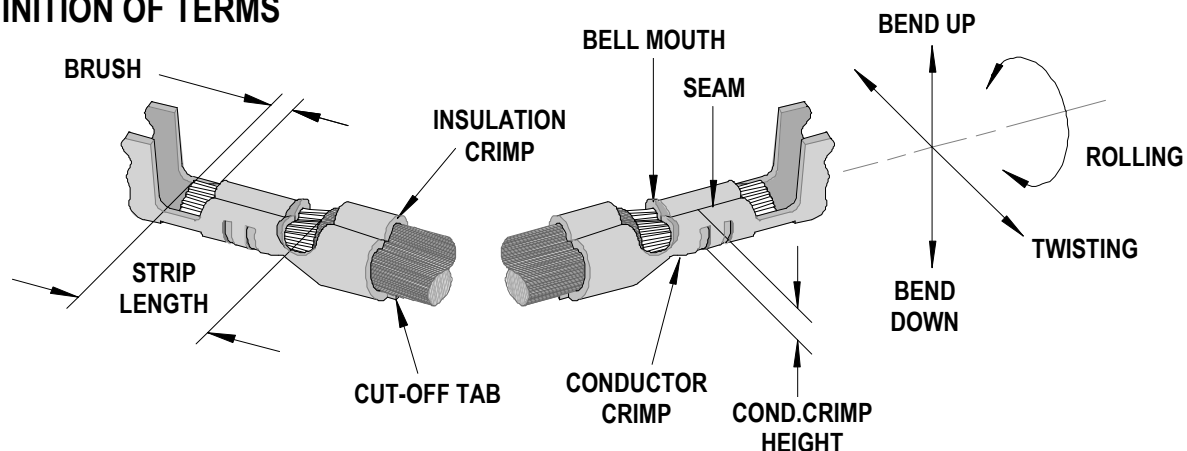
Products: Male and Female Crimp Terminals, 20-22 AWG.

| Terminal Series No. | Terminal Order No. |            | Wire Size |           | Insulation Diameter |           |                     |      | Strip Length |           |
|---------------------|--------------------|------------|-----------|-----------|---------------------|-----------|---------------------|------|--------------|-----------|
|                     |                    |            |           |           | IPC/WHMA-A620 ♦     |           | Terminal ♦♦ Maximum |      |              |           |
|                     |                    |            | AWG       | mm²       | mm                  | In.       | mm                  | In.  | mm           | In.       |
| 35745               | 35745-0110         |            | 20-22     | 0.50-0.35 | 2.36-2.60           | .093-.102 | 2.60                | .102 | 4.00-4.80    | .157-.189 |
| 35746               | 35746-0110         | 35746-0111 | 20-22     | 0.50-0.35 | 2.36-2.60           | .093-.102 | 2.60                | .102 | 4.00-4.80    | .157-.189 |
| 35747               | 35747-0110         |            | 20-22     | 0.50-0.35 | 2.36-2.60           | .093-.102 | 2.60                | .102 | 4.00-4.80    | .157-.189 |
| 35748               | 35748-0110         | 35748-0111 | 20-22     | 0.50-0.35 | 2.36-2.60           | .093-.102 | 2.60                | .102 | 4.00-4.80    | .157-.189 |

♦ To achieve optimum IPC-A620 insulation crimps, use this insulation OD range.

♦♦ Overall insulation OD specification for terminal.

### DEFINITION OF TERMS



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

**CRIMP SPECIFICATION**

| Terminal Series No. | Bell mouth |           | Cut-off Tab Maximum |      | Conductor Brush |           |
|---------------------|------------|-----------|---------------------|------|-----------------|-----------|
|                     | mm         | In.       | mm                  | In.  | mm              | In.       |
| 35745               | 0.20-0.50  | .008-.020 | 0.30                | .012 | 0.30-0.80       | .012-.032 |
| 35746               | 0.20-0.50  | .008-.020 | 0.30                | .012 | 0.30-0.80       | .012-.032 |
| 35747               | 0.20-0.50  | .008-.020 | 0.30                | .012 | 0.30-0.80       | .012-.032 |
| 35748               | 0.20-0.50  | .008-.020 | 0.30                | .012 | 0.30-0.80       | .012-.032 |

| Terminal Series No. | Bend up   Bend down |   | Twist   Roll |   | Punch Width (Ref) |      |            |      | Seam                                                                |
|---------------------|---------------------|---|--------------|---|-------------------|------|------------|------|---------------------------------------------------------------------|
|                     |                     |   |              |   | Conductor         |      | Insulation |      |                                                                     |
|                     | Degree              |   | Degree       |   | mm                | In   | mm         | In   |                                                                     |
| 35745               | 3                   | 3 | 3            | 5 | 1.80              | .070 | 3.00       | .118 | Seam shall not be open and no wire allowed out of the crimping area |
| 35746               | 3                   | 3 | 3            | 5 | 1.80              | .070 | 3.00       | .118 |                                                                     |
| 35747               | 3                   | 3 | 3            | 5 | 1.80              | .070 | 3.00       | .118 |                                                                     |
| 35748               | 3                   | 3 | 3            | 5 | 1.80              | .070 | 3.00       | .118 |                                                                     |

After crimping, the conductor profile should measure the following.

| Terminal Series No. | Wire Size |                 | Conductor Crimp Height |           | Pull Force Minimum |      |
|---------------------|-----------|-----------------|------------------------|-----------|--------------------|------|
|                     | AWG       | mm <sup>2</sup> | mm                     | In.       | N                  | Lb.  |
| 35745               | 20        | 0.50            | 1.30-1.40              | .051-.055 | 58.7               | 13.2 |
|                     | 22        | 0.35            | 1.20-1.30              | .047-.051 | 39.1               | 8.8  |
| 35746               | 20        | 0.50            | 1.30-1.40              | .051-.055 | 58.7               | 13.2 |
|                     | 22        | 0.35            | 1.20-1.30              | .047-.051 | 39.1               | 8.8  |
| 35747               | 20        | 0.50            | 1.30-1.40              | .051-.055 | 58.7               | 13.2 |
|                     | 22        | 0.35            | 1.20-1.30              | .047-.051 | 39.1               | 8.8  |
| 35748               | 20        | 0.50            | 1.30-1.40              | .051-.055 | 58.7               | 13.2 |
|                     | 22        | 0.35            | 1.20-1.30              | .047-.051 | 39.1               | 8.8  |

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

**PARTS LIST**

| <b>FineAdjust Applicator 63862-9000</b> |                 |                        |                                    |                 |
|-----------------------------------------|-----------------|------------------------|------------------------------------|-----------------|
| <b>Item</b>                             | <b>Order No</b> | <b>Engineering No.</b> | <b>Description</b>                 | <b>Quantity</b> |
| <b>Perishable Tooling</b>               |                 |                        |                                    |                 |
|                                         | 63862-9070      | 63862-9070             | Tool Kit (All "Y" Items)           | REF             |
| 1                                       | 63444-1836      | 63444-1836             | Conductor Punch                    | 1 Y             |
| 2                                       | 63445-1867      | 63445-1867             | Conductor Anvil                    | 1 Y             |
| 3                                       | 63446-3028      | 63446-3028             | Insulation Punch                   | 1 Y             |
| 4                                       | 63445-3033      | 63445-3033             | Insulation Anvil                   | 1 Y             |
| 5                                       | 63443-0002      | 63443-0002             | Cut-Off Plunger                    | 1 Y             |
| 6                                       | 63443-0012      | 63443-0012             | Front Plunger Retainer             | 1 Y             |
| <b>Other Components (REF 629050)</b>    |                 |                        |                                    |                 |
| 7                                       | 11-18-4083      | 60707-8                | Front Cover                        | 1               |
| 8                                       | 11-24-1067      | 4996-4                 | Cut-off Plunger Spring             | 1               |
| 9                                       | 63443-0009      | 63443-0009             | Scrap Chute Front                  | 1               |
| 10                                      | 63443-0021      | 63443-0021             | Lower Tooling Key                  | 1               |
| 11                                      | 63443-2415      | 63443-2415             | Anvil Mount                        | 1               |
| 12                                      | 63443-3160      | 63443-3160             | Front Plunger Striker              | 1               |
| 13                                      | 63443-4006      | 63443-4006             | Wire Stop                          | 1               |
| 14                                      | 63443-6011      | 63443-6011             | Rear Cover                         | 1               |
| <b>Frame</b>                            |                 |                        |                                    |                 |
| 15                                      | 63800-4901      | 63800-4901             | Top                                | 1               |
| 16                                      | 63801-3281      | 63801-3281             | Base                               | 1               |
| 17                                      | 63801-4650      | 63801-4650             | Track                              | 1               |
| <b>Hardware</b>                         |                 |                        |                                    |                 |
| 18                                      | N/A             | N/A                    | M3 by 6 Long SHCS                  | 2**             |
| 19                                      | N/A             | N/A                    | M4 by 6 Long SHCS                  | 1**             |
| 20                                      | N/A             | N/A                    | M4 by 12 Long BHCS                 | 2**             |
| 21                                      | N/A             | N/A                    | M4 by 16 Long SHCS                 | 1**             |
| 22                                      | N/A             | N/A                    | M4 by 20 Long SHCS                 | 1**             |
| 23                                      | N/A             | N/A                    | M4 by 50 Long SHCS                 | 1**             |
| 24                                      | N/A             | N/A                    | 3MM by 6 Long Roll Pin             | 1**             |
| 25                                      | N/A             | N/A                    | #10-32 by 3/8" Long Flat Point SSS | 1**             |
| 26                                      | N/A             | N/A                    | #10-32 Hex Jam Nut                 | 1**             |

\*\* Available from an industrial supply company such as MSC (1-800-645-7270).

# Assembly Drawing

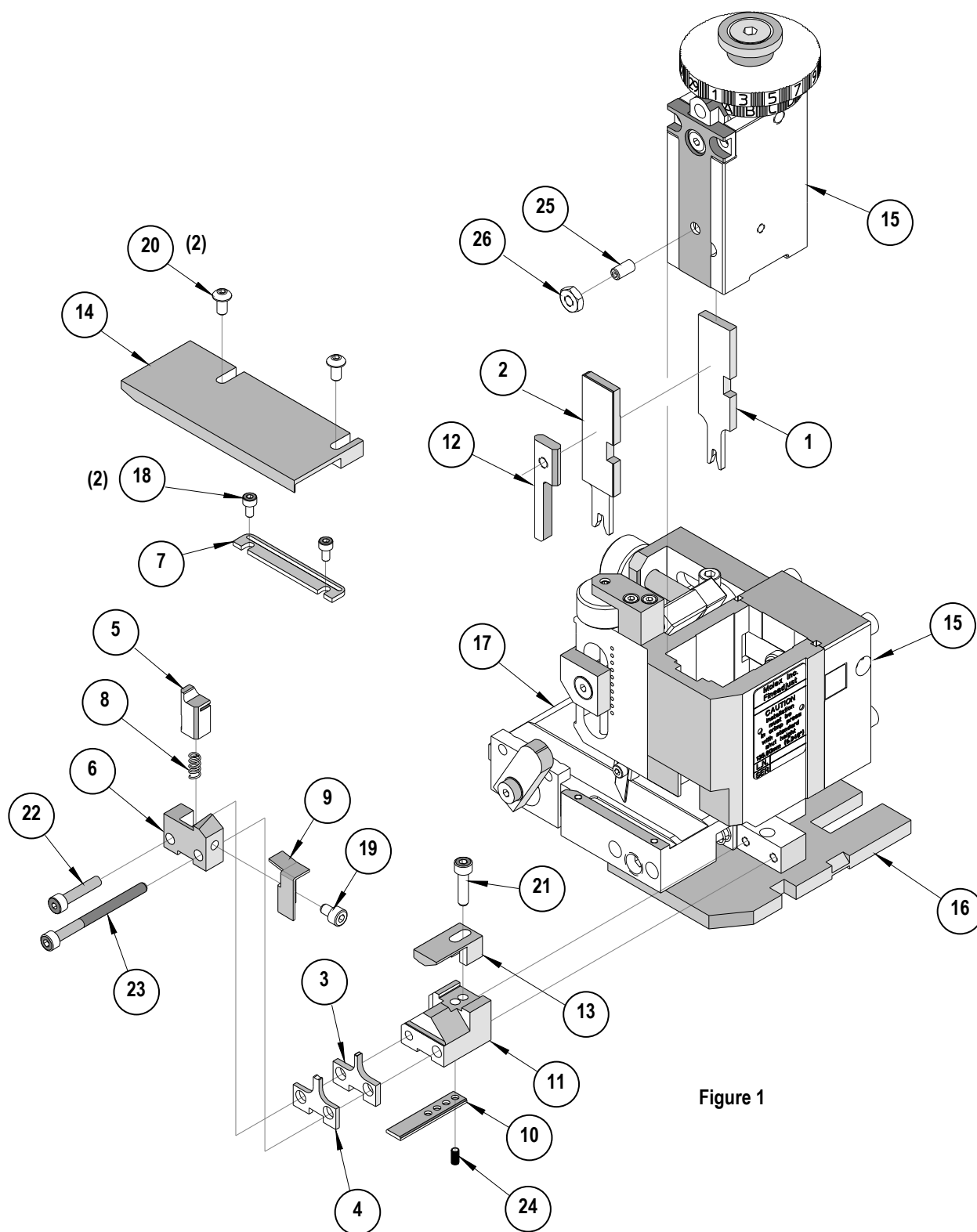


Figure 1

## 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 135.8 mm (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.

**Americas Headquarters**  
Lisle, Illinois 60532 U.S.A.  
1-800-78MOLEX  
amerinfo@molex.com

**Far East North Headquarters**  
Yamato, Kanagawa, Japan  
81-462-65-2324  
feninfo@molex.com

**Far East South Headquarters**  
Jurong, Singapore  
65-6-268-6868  
fesinfo@molex.com

**European Headquarters**  
Munich, Germany  
49-89-413092-0  
eurinfo@molex.com

**Corporate Headquarters**  
2222 Wellington Ct.  
Lisle, IL 60532 U.S.A.  
630-969-4550  
Fax: 630-969-1352

Visit our Web site at <http://www.molex.com>

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)