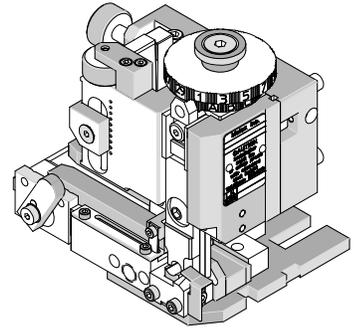




Mini-Mac Applicator Application Tooling Specification Order No. 63832-6300



FEATURES

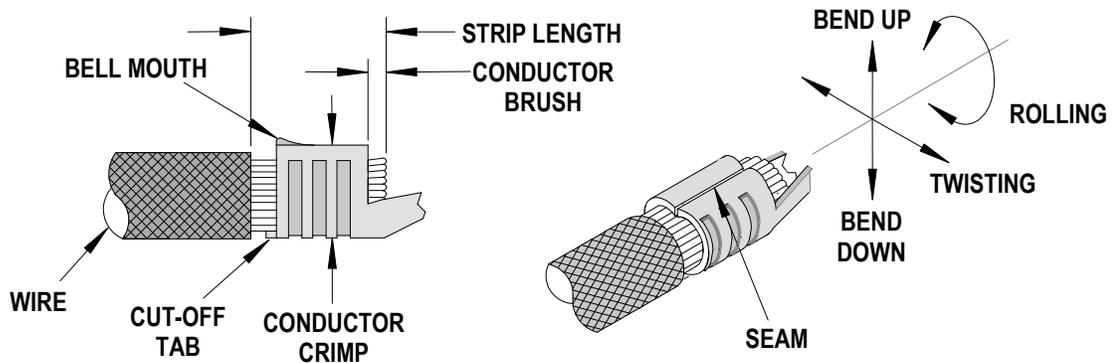
- Directly adapts to most automatic wire processing machines
- Applicator designed to industry standard mounting and shut height 135.80mm (5.346")
- Quick set-up time; plus the crimp height, track and feed adjustments can be set without removing the applicator from the press
- Fine adjustment allows 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: Female Power Contact Crimp Terminals 8 AWG and 12 Doubles.

| Terminal Series No. | Terminal Order No. | | Wire Size | | Insulation Diameter Maximum | | | | Strip Length Maximum | |
|---------------------|--------------------|------------|-------------|------------------|-----------------------------|-----|-----|-----|----------------------|------|
| | | | AWG | mm ² | mm | In. | mm | In. | | |
| 44262 | 44262-4304 | 44262-4334 | 8 and 12(2) | 8.50 and 3.30(2) | N/A | N/A | N/A | N/A | 6.35 | .250 |
| | 44262-4404 | 44262-4434 | | | | | | | | |
| | 44262-4504 | 44262-4534 | | | | | | | | |
| | 44262-4604 | 44262-4634 | | | | | | | | |

DEFINITION OF TERMS



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

CRIMP SPECIFICATION

| Terminal Series No. | Bell mouth | | Cut-off Tab Maximum | | Conductor Brush | |
|---------------------|------------|-----------|---------------------|------|-----------------|-----------|
| | mm | In. | mm | In. | mm | In. |
| 44262 | 0.25-1.25 | .010-.049 | 0.50 | .020 | 0.64-1.90 | .025-.075 |

| Terminal Series No. | Bend up | Bend down | Twist | Roll | Punch Width (Ref) | | | | Seam Seam shall not be open and no wire allowed out of the crimping area |
|---------------------|---------|-----------|--------|------|-------------------|------|------------|-----|---|
| | Degree | | Degree | | Conductor | | Insulation | | |
| | mm | In | mm | In | mm | In | mm | In | |
| 44262 | 3 | 3 | 3 | 3 | 5.70 | .224 | N/A | N/A | |

After crimping, the crimp profiles should measure the following.

| Terminal Series No. | Wire Size | | Conductor | | | | Pull Force Minimum | |
|---------------------|-----------|-----------------|--------------|-----------|--------------------|------|--------------------|------|
| | AWG | mm ² | Crimp Height | | Crimp Width (Ref.) | | N | Lb. |
| | | | mm | In. | mm | In. | | |
| 44262 | 8 | 8.50 | 3.95-4.05 | .156-.160 | 5.90 | .232 | 400.34 | 90.0 |
| | 12 (2) | 3.31 (2) | 3.75-3.85 | .148-.152 | 5.90 | .232 | 311.38 | 70.0 |

* This applicator was qualified to the above specifications with UL 1015 and UL 1028 wire.

The above specifications are guidelines to an optimum crimp.

PARTS LIST

| Mini-Mac Applicator 63832-6300 | | | | |
|--|-----------------|------------------------|---------------------------|-----------------|
| Item | Order No | Engineering No. | Description | Quantity |
| Perishable Tooling | | | | |
| | 63832-6370 | 63832-6370 | Tool Kit (All "Y" Items) | REF |
| 1 | 63465-0055 | 63465-0055 | Conductor Punch | 1 Y |
| 2 | 63455-0050 | 63455-0050 | Conductor Anvil | 1 Y |
| 3 | 63443-0095 | 63443-0095 | Front Cut-Off Plunger | 1 Y |
| 4 | 63890-0487 | 63890-0487 | Front Plunger Retainer | 1 Y |
| Other Components | | | | |
| 5 | 63821-0012 | 63821-0012 | Feed Guide | 1 |
| 6 | 11-18-4848 | 60800A123 | Spring Retainer | 1 |
| 7 | 11-18-4849 | 60800A124 | Wire Hold Down Spring | 1 |
| 8 | 63443-0024 | 63443-0024 | Key | 1 |
| 9 | 63443-1721 | 63443-1721 | 19.10mm Height Spacer | 1 |
| 10 | 63443-1734 | 63443-1734 | 20.40mm Height Spacer | 1 |
| 11 | 63443-2212 | 63443-2212 | 12.00mm Course Spacer | 1 |
| 12 | 63443-6130 | 63443-6130 | Rear Cover | 1 |
| 13 | 63466-0509 | 63466-0509 | Striker-Flat Bottom | 1 |
| 14 | 63700-0539 | 63700-0539 | Compression Spring | 1 |
| 15 | 63821-0015 | 63821-0015 | Wire Stop | 1 |
| 16 | 63890-0866 | 63890-0866 | Bushing-Punch (Conductor) | 1 |
| Frame | | | | |
| 17 | 63801-3201 | 63801-3201 | Top | 1 |
| 18 | 63801-3281 | 63801-3281 | Base | 1 |
| 19 | 63801-4650 | 63801-4650 | Track | 1 |
| Hardware | | | | |
| 20 | N/A | N/A | M3 by 6 Long FHCS | 1** |
| 21 | N/A | N/A | M3 by 6 Long SHCS | 2** |
| 22 | N/A | N/A | M4 by 12 Long BHCS | 2** |
| 23 | N/A | N/A | M4 by 50 Long SHCS | 2** |
| 24 | N/A | N/A | M5 by 12 Long SHCS | 1** |
| 25 | N/A | N/A | M8 by 30 Long BHCS | 1** |
| 26 | N/A | N/A | 2mm by 5 Long Roll Pin | 1** |
| ** Available from an industrial supply company such as MSC (1-800-645-7270). | | | | |

Assembly Drawing

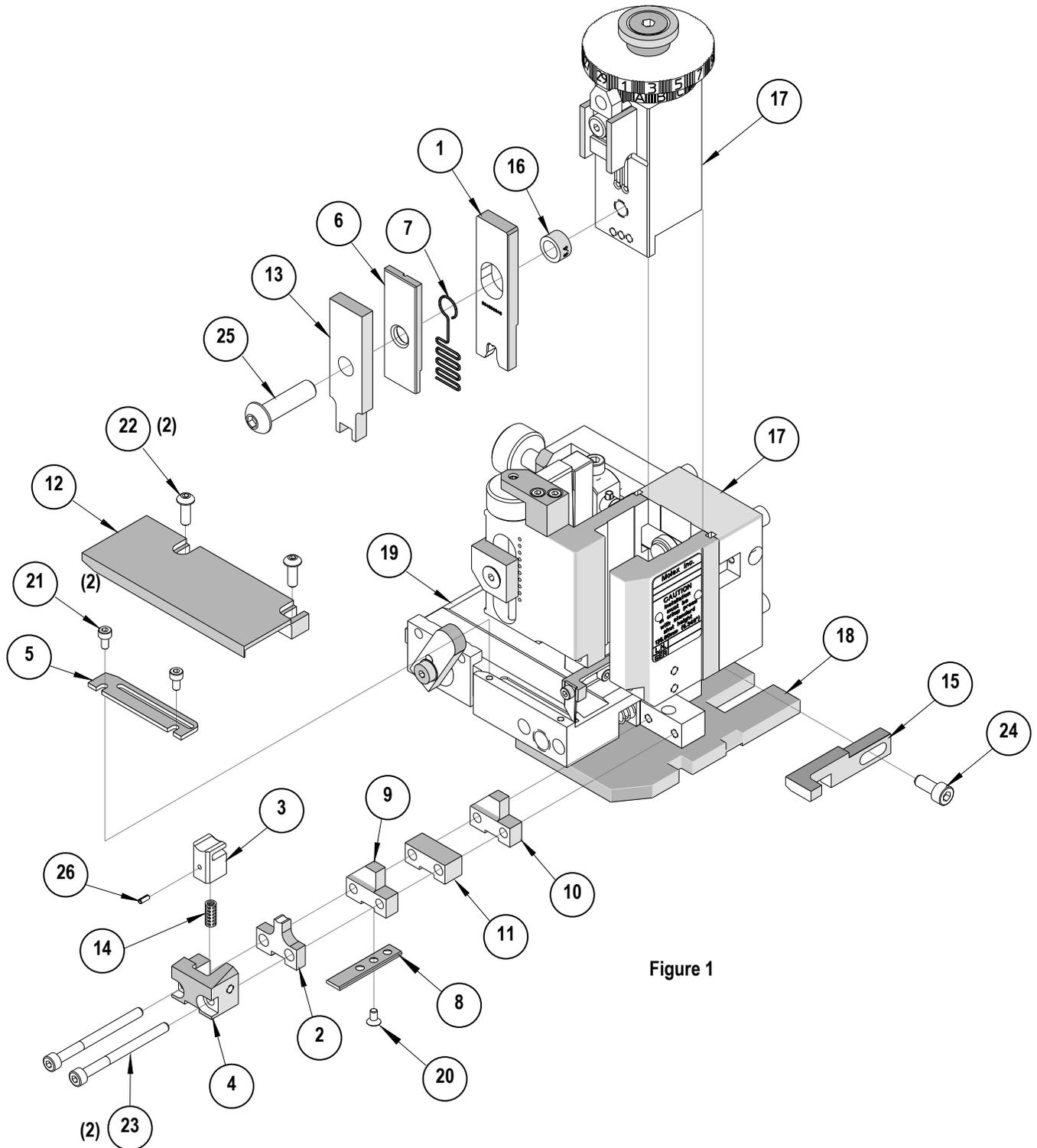


Figure 1

NOTES

1. Molex recommends an extra perishable tooling kit be maintained at your facility.
2. Verify tooling alignment by manually cycling the press with 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 Mini-Mac Applicator Manual (Document no. 63880-0000).

CAUTION: This applicator should only be used in a press with a shut height of 135.80 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.

Contact Information

For more information on Molex Application Tooling please contact Molex at 1-800-786-6539.

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