

# WIRE STRIPPING BASICS

There are two basic levels of wire stripping—precision and non-precision. The first type, precision wire stripping, is employed where extreme reliability and critical tolerances must be achieved. Aircraft, computers, aerospace, missiles, radar guidance systems, and communications systems are examples of applications where precision wire stripping is required. In many cases, the military standard is called for and meeting that standard is rigidly enforced and calls for the highest quality precision wire stripping.

The second, non-precision stripping, is used in the manufacturing of lighting fixtures, electrical appliances, automotive harnesses, etc. This requires wire strips that assure product reliability and are obtained at a relatively low cost.

For each type of wire stripping and production requirement, the best tool and/or method to get the job done right must be determined, and IDEAL Electrical is there to assist with free wire analysis.

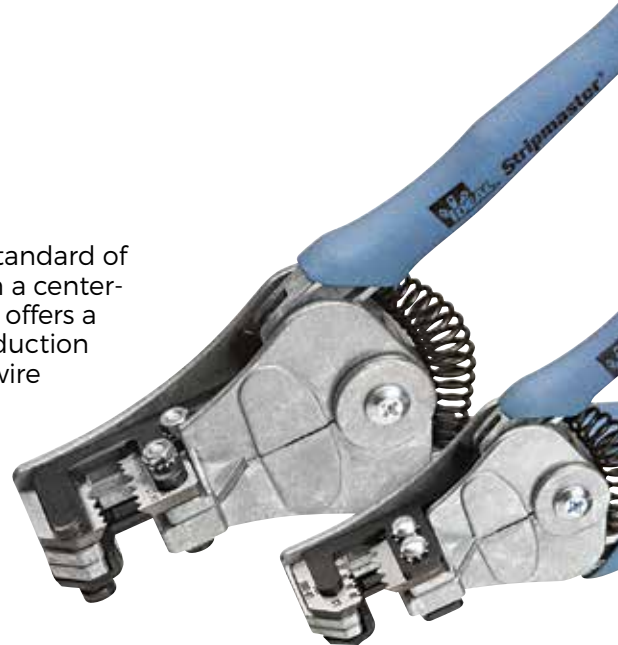
AEROSPACE



# STRIPMASTER® WIRE STRIPPERS

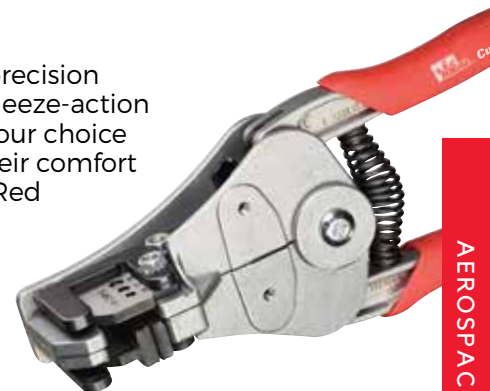
## Stripmaster® & Stripmaster® Lite Wire Strippers

The versatile Stripmaster®/Stripmaster® Lite Wire Strippers are the standard of the industry. They incorporate a gripper that firmly holds the wire in a center-line position with the stripping hole. The lever action of the stripper offers a mechanical advantage that makes stripping easier. This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 7/8 in. (22mm). The jaws are automatically held open to allow removal of the wire without damaging its end. This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.



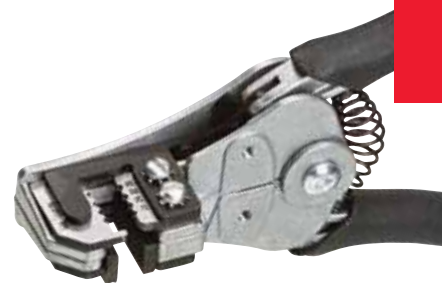
## Custom Stripmaster® Wire Strippers

Custom Stripmaster® Wire Strippers set the industry standard in hand-held, precision wire stripping. They provide fast, accurate wire stripping with its one-step, squeeze-action stripping and unique precision blade design. They can be customized with your choice of gripper pads and blade sets to match your wire stripping requirements. Their comfort grip handles are color-coded to help quickly identify compatible wire gage. Red handles are used for larger wire (10-14 AWG) and black handles are used for smaller wire (16-30 AWG). The blades and grippers installed in the tool are specific to the application. Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.



## Custom Stripmaster® Lite Wire Strippers

The Custom Stripmaster® Lite Wire Stripper marks the beginning of a new era of light-weight, precision wire strippers designed specifically for improved operator comfort. It utilizes the same type of precision die-blade construction and features an optional short-stop latch and transparent wire stop. Built of sturdy die-cast zinc, this compact stripper weighs 50% less than its full-sized counterparts, and will impress you with both its ease of operation and durable performance.



## Ergo Elite Stripmaster® Wire Stripper

The Ergo-Elite Stripmaster® Wire Stripper offers the latest light-weight, ergonomically engineered wire stripper for the aerospace industry. The tilted wire stripping head in this sleek 5 oz. design provides better leverage and clear view for wire positioning. The advanced jaw position ensures a quality strip on a wide range of wire gauges while eliminating potential scraping of the inner conductor and leaving a squared finish. Advanced blade design has a built-in guiding system for loading the wire properly into position.



## Stripmaster® Lite Wire Strippers

### Stripmaster® Lite Wire Strippers and Knife-Type Blades for Metric Wire

| Specifications – Stripping Holes Offered |     |      |      |      |     |      |   |     | Replacement<br>Blades (Pair)<br>Part No. | Replacement<br>Frame<br>Part No. | Tool w/Blade<br>Part No. |
|------------------------------------------|-----|------|------|------|-----|------|---|-----|------------------------------------------|----------------------------------|--------------------------|
| Wire Size mm²                            |     |      |      |      |     |      |   |     |                                          |                                  |                          |
| 0.05                                     | 0.1 | 0.15 | 0.22 | 0.34 | 0.5 | 0.75 | 1 | 1.5 |                                          |                                  |                          |
|                                          |     |      |      | •    | •   | •    | • | •   | LB-1001M                                 | H-2909                           | 45-671-341               |
| •                                        | •   | •    | •    |      |     |      |   |     | LB-1002M                                 | H-2909                           | 45-672-341               |

## Coax Stripmaster® Wire Strippers & Blades



| Description                           | Repl. Blade<br>Part No. | Tool w/Blade<br>Part No. |
|---------------------------------------|-------------------------|--------------------------|
| Coax Stripmaster® for RG-6            | LB-740                  | 45-262                   |
| Coax Stripmaster® for RG-58           | LB-742                  | 45-264                   |
| Coax Stripmaster® for RG-59           | LB-743                  | 45-265                   |
| Coax Stripmaster® for RG-6 QuadShield | LA-3953                 | 45-282                   |

Coaxial Cables: two-step strip for termination, jacket and dielectric.

## Stripmaster® Wire Strippers with Rectangular Holes



| Description                                      | Replacement<br>Blades (Pair)<br>Part No. | Tool w/<br>Blade<br>Part No. |
|--------------------------------------------------|------------------------------------------|------------------------------|
| For Flat Telephone Cable<br>(.060 in. or 1.52mm) | LB-1155                                  | N/A                          |
| For European Flat Lamp<br>Cord                   | L-8762                                   | 45-089                       |
| For SP-SPT Lamp Cord                             | L-4452                                   | 45-095*                      |

\*Also strips 2- and 3-conductor low-voltage wire used in E.E. and Touchplate remote control wiring system.

## Optional Accessories



- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.

| Description                                                               | Part No. |
|---------------------------------------------------------------------------|----------|
| Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)        | L-5270   |
| Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)   | LB-1195  |
| Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers) | 45-2019  |

## Replacement Parts

| Description                                                       | Part No. |
|-------------------------------------------------------------------|----------|
| Replacement Frame for Stripmaster® Wire Strippers                 | L-5620   |
| Replacement Frame for Stripmaster® Lite Wire Strippers            | LB-1421  |
| Replacement Moveable Gripper for Stripmaster® Wire Strippers      | L-1953   |
| Replacement Moveable Gripper for Stripmaster® Lite Wire Strippers | K-6603   |