



Heyco® Padded Male Blades

For mating Female Cord Connectors, see page 8-48.

For Male Ground Pins, see pages 8-37 & 8-38.

For Padded Male/Female Combination Terminals, see page 8-55.

NEMA 1-15P & 5-15P – .043” Mold Line Thickness

Lower material content makes for a less expensive UL Approved Blade!

- Heyco Padded Blades are **far less expensive** than their Full Thickness counterparts (pages 8-31 thru 8-34), yet they are **functionally equivalent**.
- Thinner gauge material **lowers cost**, yet full pad configuration meets UL power cord requirements, including **UL 1659**.
- All Heyco Padded Blades feature a 90° “knee” section for **strain relief** and assembly orientation.
- For overmolding, Padded Blades must be **side loaded** due to their shaped profile.
- **Series 112** Padded Blades feature a flow-through hole plus “knee” below the mold line for strain relief pull out protection.
- **Series 112-8** Padded Blades feature an extended 90° knee for additional strain relief.
- **Series 103** Polarized Padded Blades are the “heavier duty, full width designed” choice among these lighter duty blades for 18-14 AWG conductors.
- **Series 103-N** Padded Blades are heavier duty and notched to meet high temperature pull out requirements.
- **Series 104 and 104-E** Polarized Blades feature “full narrow” hot (black wire) blade design i.e., the hot blade does not taper at the tip for added strength and appearance.
- **Series 104-E** Insulation Crimp Blades provide strain relief and wire support for shock and vibration resistance, and support for insertion into the mold block.

| PART DATA | | | PART NO. | | APPLICATION TOOLING* | | | | | |
|--|-----------|----------|---------------|-----------|----------------------|------------|---------------|-------------|-------------------|---------------|
| Length Below Mold Line | AWG Range | Material | Die** | | Feeds | Tool Packs | Crimp | Anvil | | |
| | | | Non-polarized | Polarized | | | | | For Non-polarized | For Polarized |
| Series 112 - Flow-Through Hole Plus “Knee” for Strain Relief Protection | | | | | | | | | | |
| .37 | 22-20 | Brass | 5048 | 5049 | 5048UXX5 | 5049UXX5 | Left to Right | B100L/B101L | C236 | C254 |
| | 18-14 | Brass | - | 5046 | - | 5046UXX5 | | | | |
| | | | 5044 | 5045 | 5044UXX5 | 5045UXX5 | Right to Left | B100R/B101R | | |
| Series 112-8 - Extended Knee for Improved Strain Relief | | | | | | | | | | |
| .37 | 18-14 | Brass | 5080 | 5082 | 5080UXX5 | 5082UXX5 | Left to Right | B100L/B101L | C236 | C254 |
| | | Tin-Pl | 5084 | 5086 | 5084UXX5 | 5086UXX5 | | | | |
| | | Brass | 5081 | 5083 | 5081UXX5 | 5083UXX5 | Right to Left | B100R/B101R | | |
| Tin-Pl | 5085 | 5087 | 5085UXX5 | 5087UXX5 | | | | | | |
| Series 103 - Heavier Duty with Strain Relief Knee | | | | | | | | | | |
| .47 | 18-14 | Brass | 5112 | - | - | 5112UXX5 | Left to Right | B100L/B101L | C236 | C254 |
| Series 103-N - Heavier Duty; Notched for High Temperature | | | | | | | | | | |
| .47 | 18-14 | Brass | 5181 | 5183 | 5181UXX5 | 5183UXX5 | Left to Right | B100L/B101L | C236 | C254 |
| | | Post-Ni | - | 5187 | - | 5187UXX5 | | | | |
| | | Brass | 5180 | 5182 | 5180UXX5 | 5182UXX5 | Right to Left | B100R/B101R | | |
| Series 104 - Extra Crimp Length and Height; Strain Relief Knee | | | | | | | | | | |
| .42 | 18-14 | Brass | 5121 | 5123 | 5121UXX5 | 5123UXX5 | Left to Right | B118L/B119L | C293 | C794 |
| Series 104-E - Length Extended for Insulation Crimp; Strain Relief Knee | | | | | | | | | | |
| .59 | 18-14 | Brass | 5125 | 5127 | 5125UXX5 | 5127UXX5 | Left to Right | B114L/B115L | C294 | C302 |
| | | Tin-Pl | 5133 | 5135 | 5133UXX5 | 5135UXX5 | | | | |

* Heyco high volume Application Tooling, designed for 3-5 ton presses - see page 8-57.

Heyco Mini Applicators, designed for 1.5-3 ton bench top presses, are available - see page 8-57.

** “XX” represents Wire Gauge. Please specify Wire Gauge when ordering.

Materials

Alloy 260 Brass (70% Cu, 30% Zn. Higher Cu content resists dezincification)

Tin-Pl = Brass, Tin plated before or after stamping

Post-Ni = Brass, Nickel plated after stamping

Certifications

Recognized Component under UL File E164169

Certified by the Canadian Standards Association File 91824

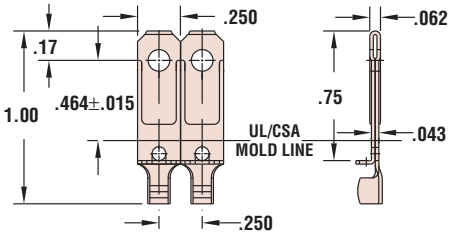
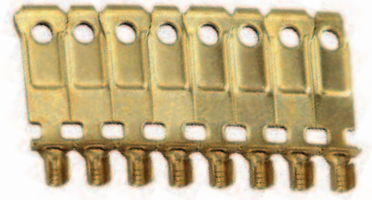
Standards

NEMA 1-15P & NEMA 5-15P

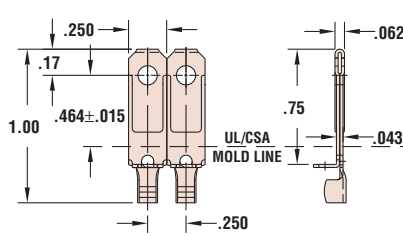


Heyco® Padded Male Blades

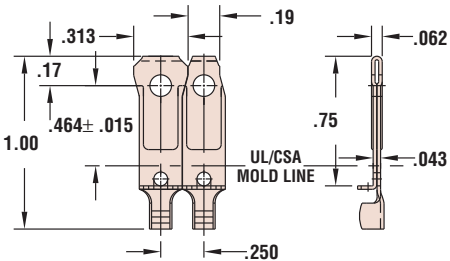
NEMA 1-15P & 5-15P Padded Blade Schematics



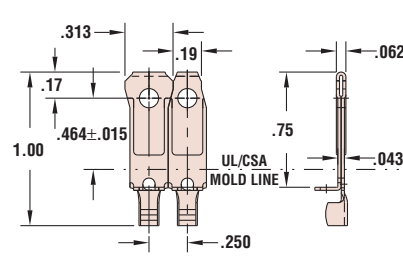
112 Series Non-Polarized



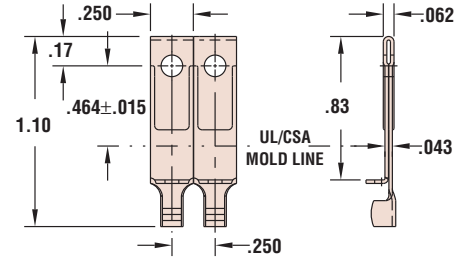
112-8 Series Non-Polarized



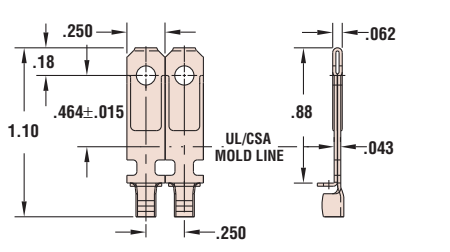
112 Series Polarized



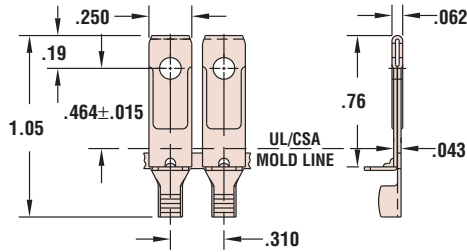
112-8 Series Polarized



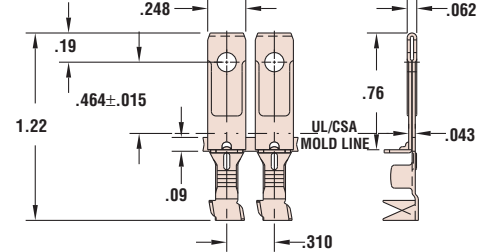
103 Series 1-Hole



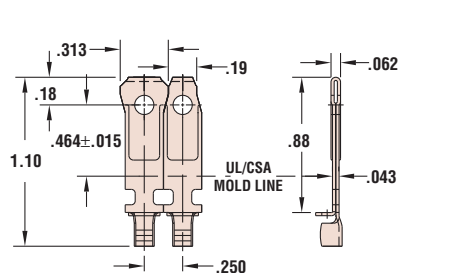
103-N Series Non-Polarized



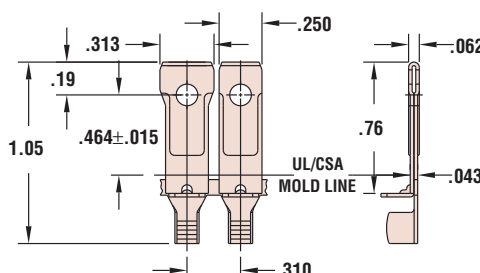
104 Series Non-Polarized



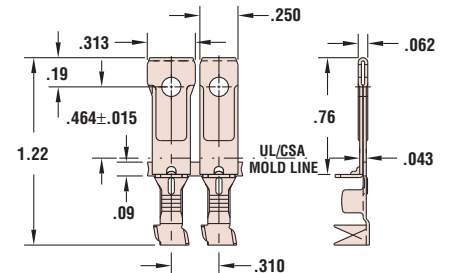
104-E Series Non-Polarized



103-N Series Polarized



104 Series Polarized



104-E Series Polarized