

“Stay Connected” with



Power Components

a PennEngineering® Company



Heyco® Padded Male Blades

For mating Female Cord Connectors, see page 8-50.

For Male Ground Pins, see pages 8-39 & 8-40.

For Padded Male/Female Combination Terminals, see page 8-57.

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.
- DFARS Compliant

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
		Brass	5081	5083	5081UXX5	5083UXX5	Right to Left	B100R/B101R		
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
		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

* Heyco high volume Application Tooling, designed for 3-5 ton presses - see page 8-59.

Heyco Mini Applicators, designed for 1.5-3 ton bench top presses, are available - see page 8-59.

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

Materials
Certifications
Standards

Alloy 260 Brass (70% Cu, 30% Zn. Higher Cu content resists dezincification)
 Recognized Component under UL File E164169
 Certified by the Canadian Standards Association File 91824
 NEMA 1-15P & NEMA 5-15P

“Stay Connected” with

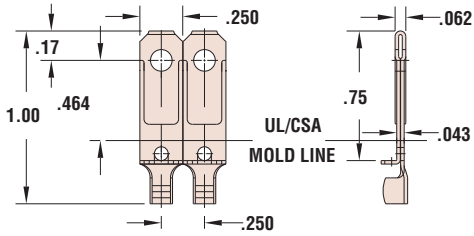
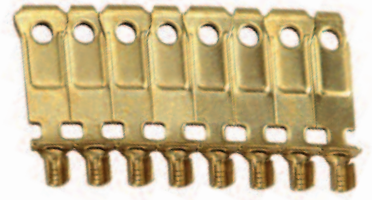


Power Components

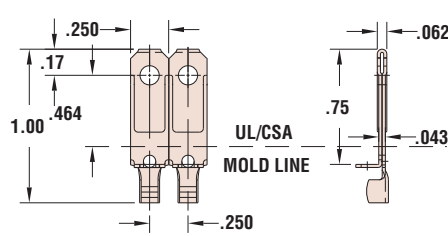
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Heyco® Padded Male Blades

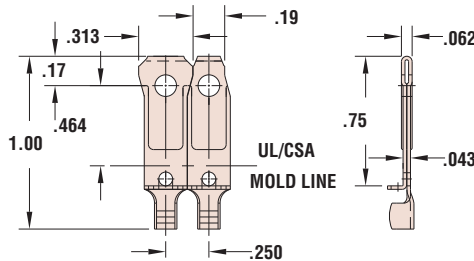
NEMA 1-15P & 5-15P Padded Blade Schematics



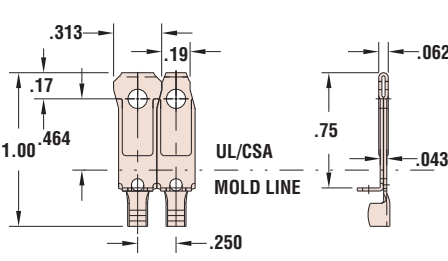
112 Series Non-Polarized



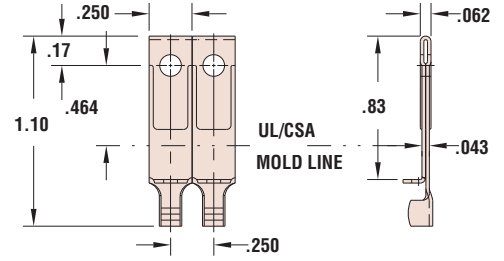
112-8 Series Non-Polarized



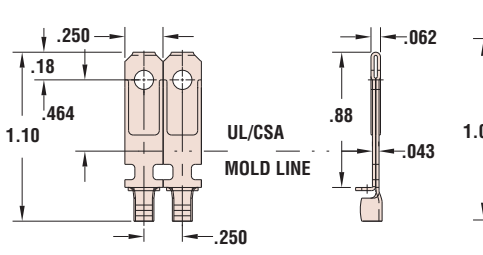
112 Series Polarized



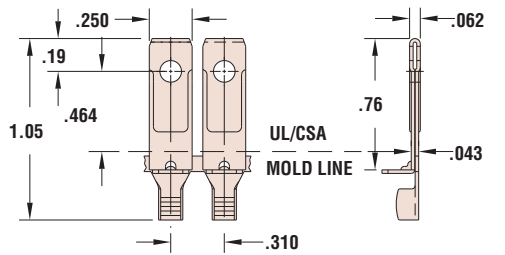
112-8 Series Polarized



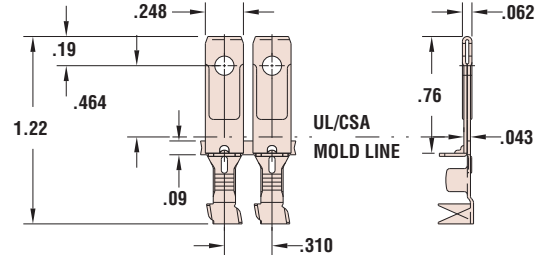
103 Series 1-Hole



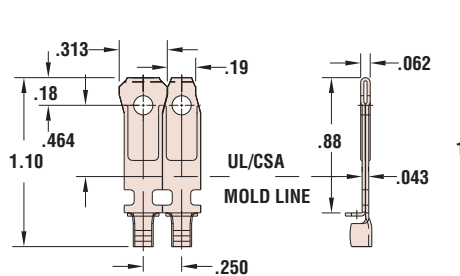
103-N Series Non-Polarized



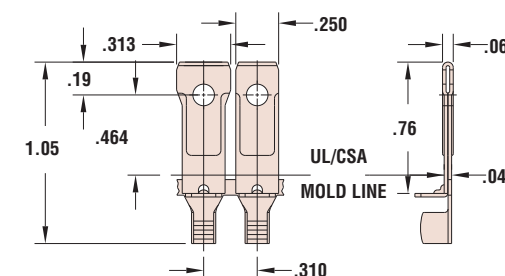
104 Series Non-Polarized



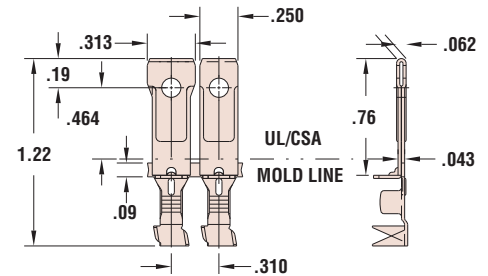
104-E Series Non-Polarized



103-N Series Polarized



104 Series Polarized



104-E Series Polarized