

# Heyco® Full Thickness Male Blades

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

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

For Full Thickness Male/Female Combination Terminals, see pages 8-53 & 8-54.

## NEMA 1-15P & 5-15P – .058” Mold Line Thickness

- All Heyco Full Thickness Blades pass UL 1659 crimp area test requirements.
- All Heyco Full Thickness Blades feature a 90° “knee” section for **strain relief** and assembly orientation. Exceptions: 116 and 116-N Series parts.
- All Flat Full Thickness, Non-Polarized Blades are **front loaded** for overmolding.
- All Polarized and 7-Shape Full Thickness Blades are **side loaded** for overmolding.
- **Series 100** Polarized Blades feature a unique full wide/full narrow design i.e., for strength and appearance, both neutral (white wire) and hot (black wire) have straight sides.
- **Series 110-N and 116-N** Full Thickness Blades are notched to meet high temperature pull out requirements.
- **Series 110-E and 102-E** Insulation Crimp Blades provide strain relief and wire support for shock and vibration resistance, as well as support for insertion into the mold block. Series 102-E Blades are stamped with a carrier strip between blades. These parts accept a wider conductor range than the 110-E Series.
- **Series 116 and 116-N** Blades feature a larger crimp section for heavier 14-10 AWG gauge conductors.
- For strain relief protection, the 116 Series feature a flow-through hole below the mold line and 116-N blades are notched.

PART DATA			PART NO.		APPLICATION TOOLING*					
Profile	AWG Range	Material	Die**		For Non-polarized	For Polarized	Feeds	Tool Packs	Crimp Punch	Anvil
			Non-polarized	Polarized						
<b>100 Series - Full Wide / Full Narrow Design with Strain Relief Knee</b>										
Flat	18-14	Brass	-	<b>5060</b>	-	5060UXX5	Right to Left	B176R/B177R	C242	C252
			-	<b>5061</b>	-	5061UXX5	Left to Right	B176L/B177L		
<b>110 Series - Standard Blade with Strain Relief Knee</b>										
Flat	18-14	Brass	<b>5400</b>	<b>5423</b>	5400UXX5	5423UXX5	Left to Right	B184L/B185L	C234, C714	C253, C715
7-Shape	18-14	Brass Tin-PI	<b>5415</b> <b>5445</b>	<b>5421</b> -	5415UXX5 5445UXX5	5421UXX5 -				
Flat	18-14	Brass	<b>5403</b>	<b>5424</b>	5403UXX5	5424UXX5	Right to Left	B184R/B185R		
7-Shape	18-14	Brass	<b>5416</b> <b>5416</b>	<b>5422</b> <b>5422</b>	5416UXX5 5422UXX5	5422UXX5				
<b>110-N Series - Notched for High Temperature</b>										
Flat	18-14	Brass	<b>5460</b>	<b>5462</b>	5460UXX5	5462UXX5	Left to Right	B184L/B185L	C234	C253
7-Shape	18-14	Brass	<b>5470</b>	<b>5472</b>	5470UXX5	5472UXX5				
Flat	18-14	Brass	<b>5461</b>	<b>5463</b>	5461UXX5	5463UXX5	Right to Left	B184R/B185R		
7-Shape	18-14	Brass	<b>5471</b> <b>5471</b>	<b>5473</b> <b>5473</b>	5471UXX5 5473UXX5	5473UXX5				
<b>110-E Series - Length Extended for Insulation Crimp; Strain Relief Knee</b>										
Flat	18-16	Brass	<b>5407</b>	<b>5420</b>	5407UXX5	5420UXX5	Left to Right	B188L/B189L	C234	C260
7-Shape	18-16	Brass	<b>5417</b>	<b>5414</b>	5417UXX5	5414UXX5				
	18-16	Brass	<b>5437</b>	-	5437UXX5	-				
18-16	Tin-PI	<b>5404</b>	-	5404UXX5	-					
Flat	18-16	Brass	<b>5439</b>	-	5439UXX5	-	Right to Left	B188R/B189R		
7-Shape	18-16	Brass	<b>5438</b> <b>5438</b>	<b>5413</b> <b>5413</b>	5438UXX5 5413UXX5	5413UXX5				
<b>102-E Series - Carrier Strip; Extended Length for Insulation Crimp</b>										
Flat	18-14	Brass	<b>5426</b>	<b>5425</b>	5426UXX5	5425UXX5	Left to Right	B976L/B977L	C825	C826
7-Shape	18-14	Brass	<b>5427</b> <b>5427</b>	<b>5428</b> <b>5428</b>	5427UXX5 5428UXX5	5428UXX5				
<b>116-Series - For Heavier AWG Conductors</b>										
Flat	14-10	Brass Tin-PI	<b>5670</b>	<b>5674</b>	5670UXX5	5674UXX5	Left to Right	B196L/B197L	C245	C264
			<b>5673</b>	-	5673UXX5	-				
7-Shape	14-10	Brass	<b>5667</b>	<b>5668</b>	5667UXX5	5668UXX5	Right to Left	B196R/B197R		
			<b>5665</b>	-	5665UXX5	-				
<b>116-N Series - For Heavier AWG Conductors; Notched for High Temperature</b>										
Flat	14-10	Brass	<b>5656</b>	<b>5657</b>	5656UXX5	5657UXX5	Left to Right	B196L/B197L	C245	C264
7-Shape	14-10	Brass	<b>5658</b> <b>5658</b>	<b>5659</b> <b>5659</b>	5658UXX5 5659UXX5	5659UXX5				
Flat	14-10	Brass	<b>5655</b>	-	5655UXX5	-	Right to Left	B196R/B197R		
<b>115-X Series - Side Folded for Round Edges and Tip</b>										
Flat	18-14	Brass Tin-PI	<b>5651</b>	-	5651UXX5	-	Bulk Only			
			<b>5652</b>	-	5652UXX5	-				



7-Shape Blades feature a retention ledge to maintain position during overmolding (mold stop).

\* 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.

Quick Specs

**Materials**

**Alloy 260 Brass** (70% Cu, 30% Zn. Higher Cu content resists dezincification)  
Tin-PI = Brass, Tin plated before or after stamping

**Certifications**

**Recognized Component under UL File E164169**

**Certified by the Canadian Standards Association File 91824**

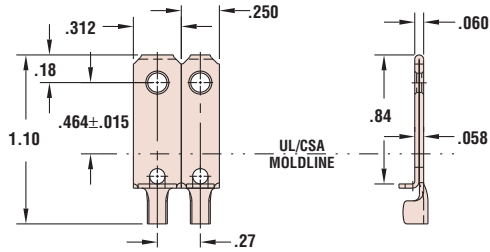
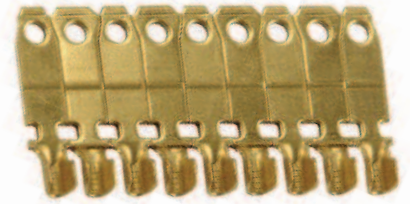
**Standards**

**NEMA 1-15P & NEMA 5-15P**

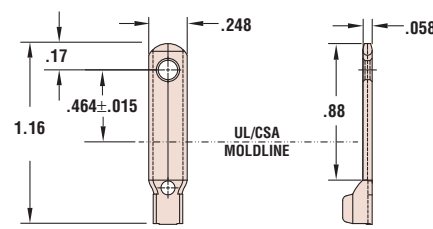


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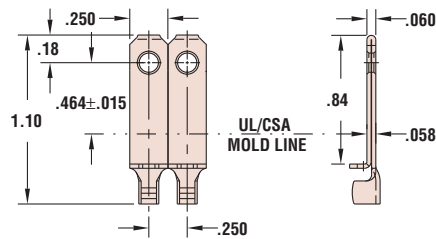
NEMA 1-15P & 5-15P – .058" Mold Line Thickness Schematics



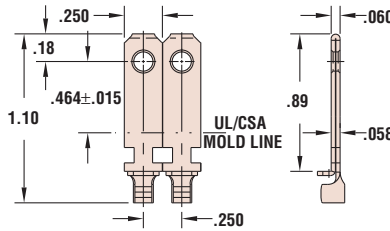
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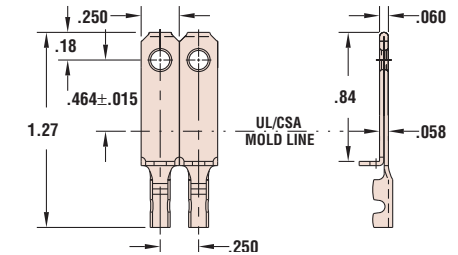
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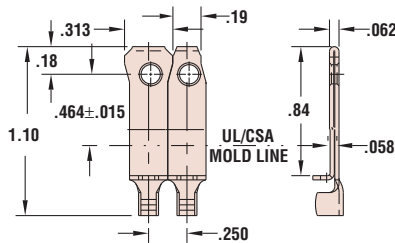
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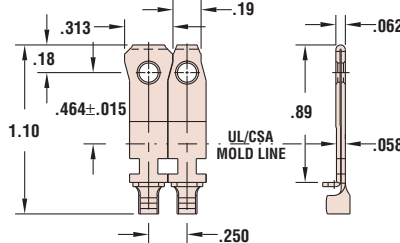
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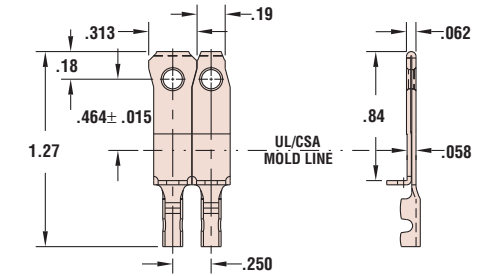
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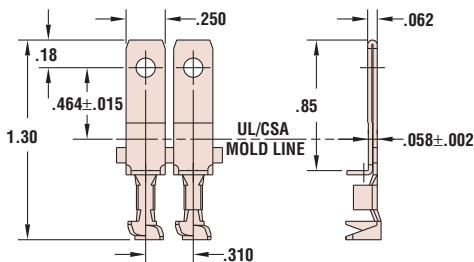
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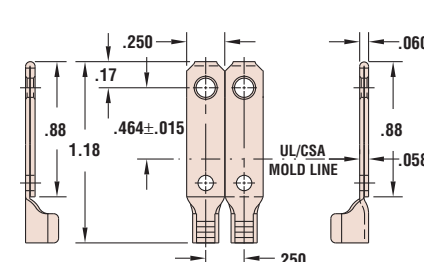
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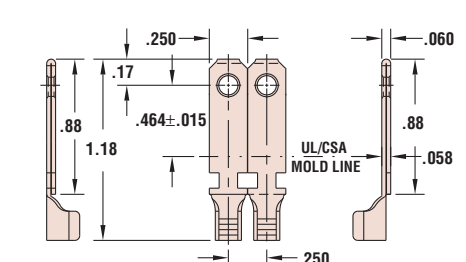
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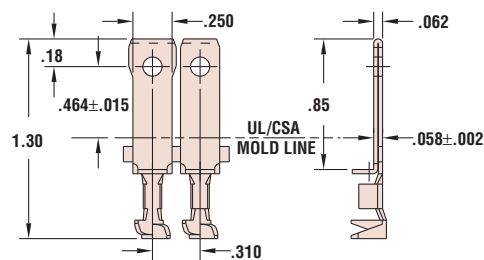
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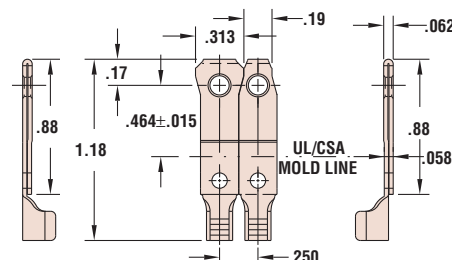
**116 Series Non-Polarized**



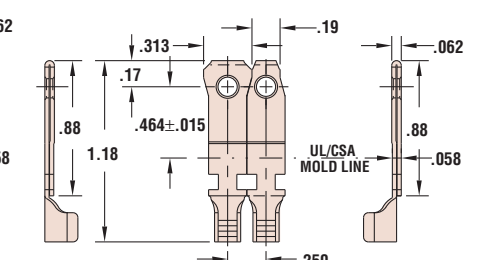
**116-N Series Non-Polarized**



**102-E Series Polarized**



**116 Series Polarized**



**116-N Series Polarized**