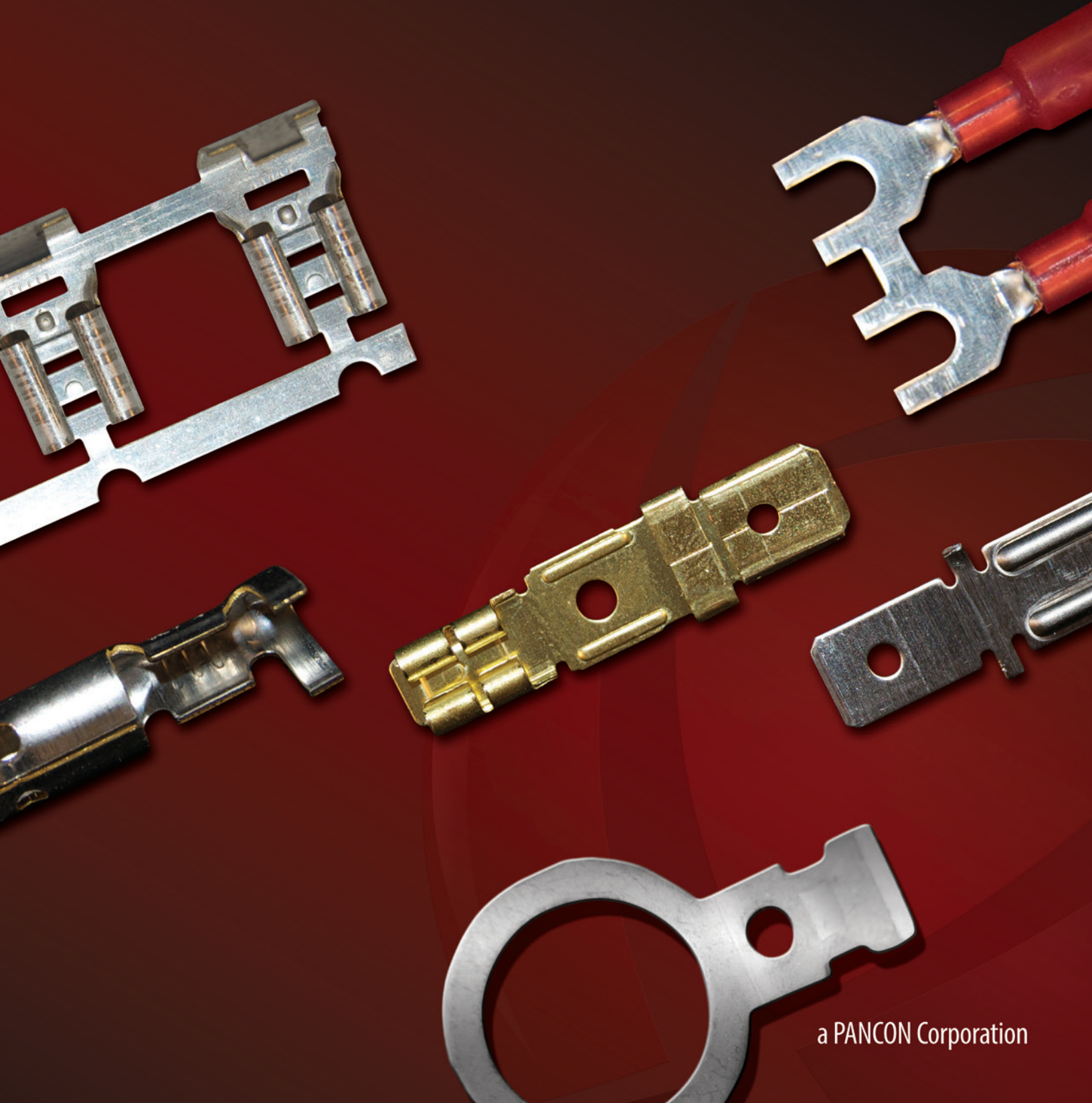




# ARK-LES

## CONNECTORS

TERMINALS AND INTERCONNECTS



a PANCON Corporation



Since 1954 Ark-Les has been a trusted global manufacturer of high-reliability application-specific and commodity terminal and connector solutions servicing the Appliance, Industrial, Transportation and Automotive markets. Our expertise in crimping technologies ensures that our stationary terminals, discrete wire, PCB, and power terminations, combined with our personalized support provide you with innovative and complete engineering solutions.

Paktron's multilayer polymer capacitors primarily serve power conversion and filtering applications. Markets served include telecommunications/datacom, industrial, military, automotive and medical.

Pancon Connectors has been manufacturing and selling electronic connectors for more than 30 years including HI-CON™ DIN 41612 connectors, LAT-CON™ .050" Flat Cable Connectors, and MAS-CON® .100" and .156" IDC connectors along with Flat Ribbon Cable and a variety of Accessories.





Direct All Inquiries To:

Customer Service  
1490 Central St.  
Stoughton, MA 02072  
+1.781.297.6000  
+1.800.342.6472 | Toll Free  
+1.781.344.7238 | Fax

**Quality Assurance:**

Ark-Les terminals are designed, manufactured and closely monitored through statistical process control to insure conformance on critical dimensions and to meet ISO 9001 requirements.

UL/CSA Listing:  

Parts checked in listings are recognized under the component recognition program of UL Inc. and/or CSA certified when applied by Ark-Les power terminating equipment.

For those without a check, please contact Customer Service for the latest update on agency approvals.

*Ark-Les certifies compliance of all of our products, based upon use of raw materials verified to be compliant with RoHS (Restriction of Hazardous Substance) and REACH (Registration, Evaluation, and Authorization of Chemicals) requirements.*

*Ark-Les will continue to review and evaluate any revisions or amendments to the RoHS and REACH legislation to ensure compliance is continually maintained.*

Note: Ark-Les Corp. is updating the catalog to reflect our current and new product offering. Please use this catalog only as a guide for your terminal, connector and wire management requirements. We encourage you to call our customer service department for any questions you may have.

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*If you don't see it, please ask!*  
*We have the capabilities to design and develop  
custom products to meet your specific needs.*

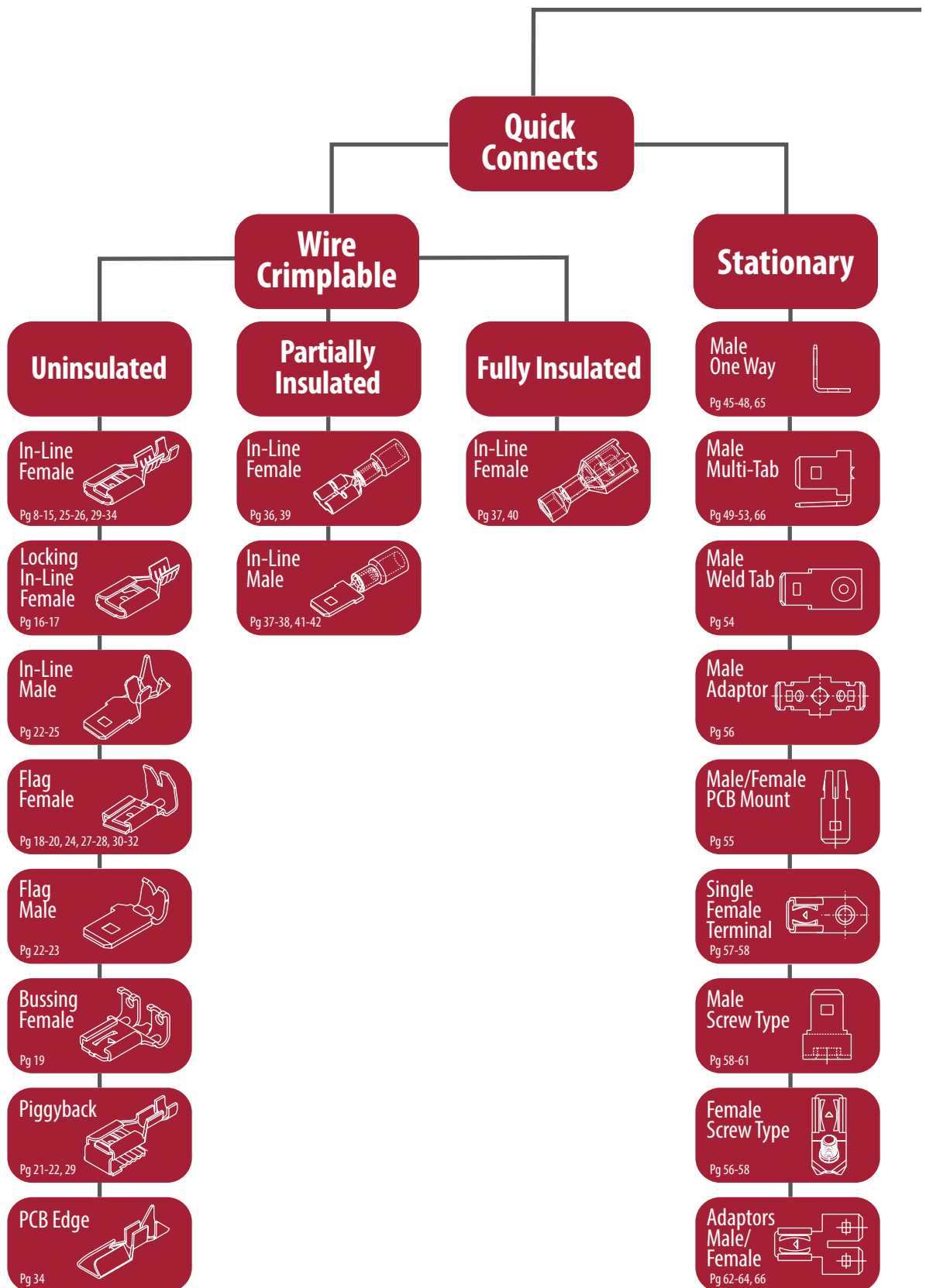
**+1.781.297.6000**

**Toll Free +1.800.342.6472**



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# 1 Terminal Guide



# Terminals

## Spades and Rings (Lugs)

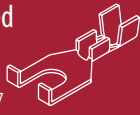
### Uninsulated

Spade



Pgs 70-73

Flanged Spade



Pgs 74-77

Notched Spade



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Ring



Pgs 80-90

Hook



Pg 90

### Partially Insulated

Spade



Pgs 94-97

Flanged Spade



Pgs 98-101

Snap Spade



Pgs 102-104

Square Spade



Pgs 105-108

Ring



Pgs 109-112

Hook



Pg 113

## Splices

### Uninsulated

Broached



Pg 116

Non-Broached



Pg 117-118

Wire/Heating Element Splices



Pg 118

## Specialty Terminals

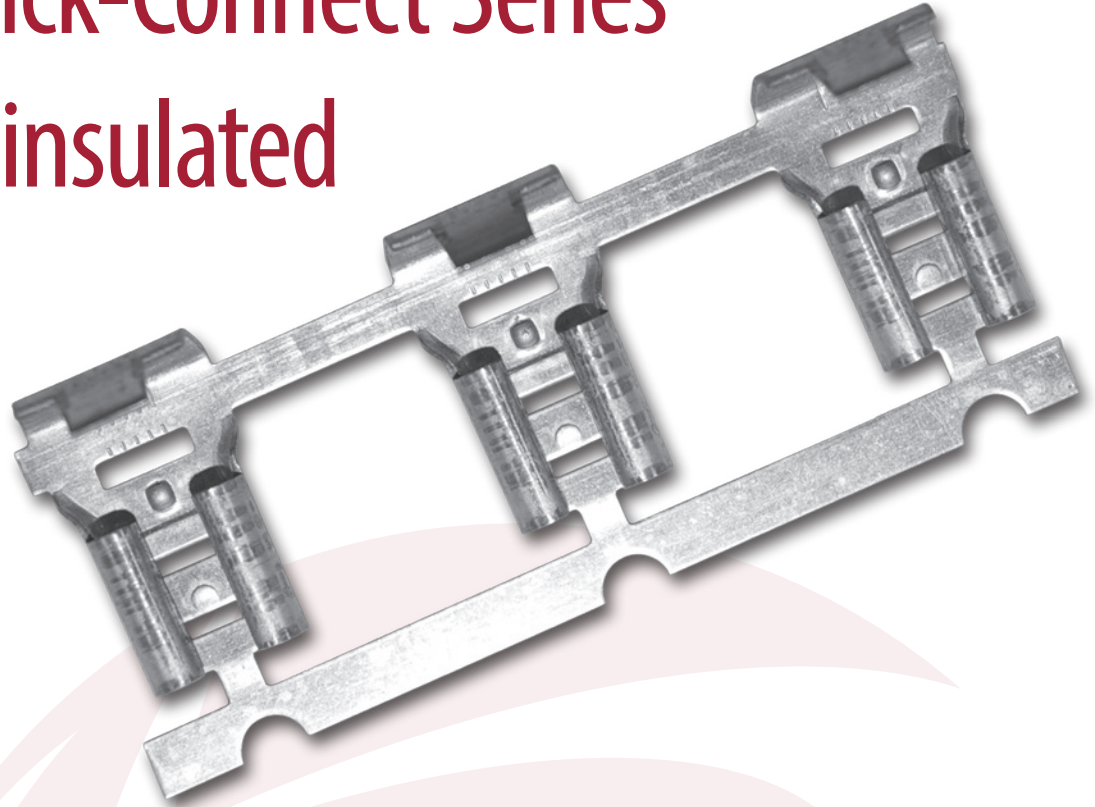
### Special Designs

Pg 120-122



# 2 Quick-Connect Series

## Uninsulated



**.250 Quick-Connect Series** | In-Line Type  
| Locking Type  
| Flag Type  
| Piggyback Flag Type  
| Piggyback In-Line Type

**.205 Quick-Connect Series** | Flag Type

**.187 Quick-Connect Series** | In-Line Type  
| Flag Type  
| Piggyback In-Line Type  
| Piggyback Flag Type

**.110/.125 Quick-Connect Series** | In-Line Type  
| Flag Type

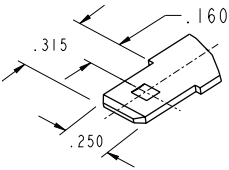
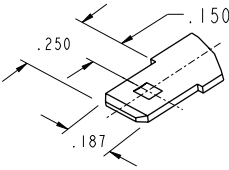
**.093 Quick-Connect Series** | In-Line Type

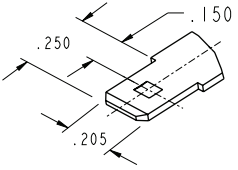
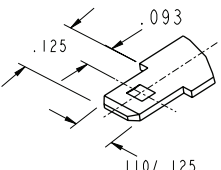
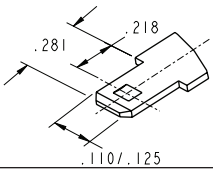
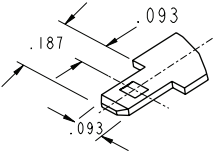
**.062/.093 Quick-Connect Series** | P.C. Edge Type

# Product Guide

QUICK-CONNECT Male and Female terminals have been subdivided into series groups. The series of a terminal is determined by the mating tab size and these are listed below. Note Ark-Les tabs conform to UL 310.

For your convenience, this arrangement has been set up to provide the reader with a most direct method of isolating, among thousands, the right terminal. Dimensions, specifications, and other pertinent information are given for reference information only. Space did not allow the listing of every product manufactured by Ark-Les, therefore, if you do not find what you require, please contact your local representative or the Ark-Les customer service department.

SERIES	MATING TAB SIZE	MATING TAB DIMENSIONS
3000	.250 x .032	
3500	.187 x .020 .187 x .032	

SERIES	MATING TAB SIZE	MATING TAB DIMENSIONS
3600 3620	.205 x .032 .205 x .020	
3650	.110/.125 x .014 .110/.125 x .020 .110/.125 x .032	 
3700	.093 x .032	
3750	.050 to .093 P.C. edge	

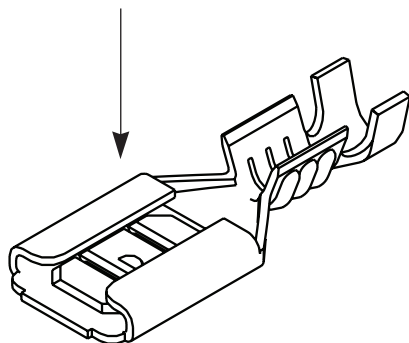
Note: Dimensions in this catalogue are subject to change. Therefore we suggest you secure up-to-date Ark-Les prints before assigning dimensions to your drawings.

Note: Not all part numbers are available in loose piece form. Therefore, contact the factory for verification

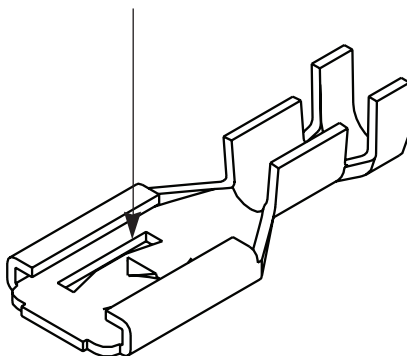


# Terminal Styles and Features

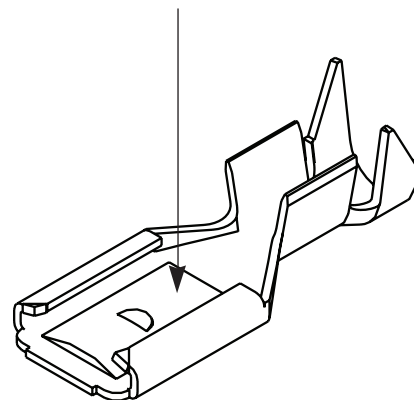
Cross Bridge Contact



Axial (Parallel) Contact



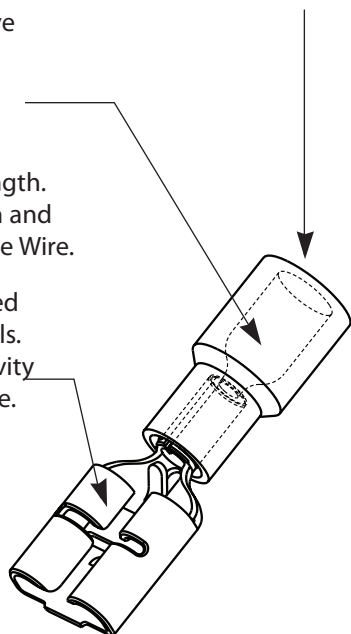
Closed Back Contact



Chamfered, Funnel Entry Barrel  
Ensures Smooth Insertion of Multi-Strand Wire.

Color Coded Nylon Sleeve  
Rated for Use to 105°C  
Red 22-18 AWG  
Blue 16-14 AWG  
Yellow 12-10 AWG  
Has High Dielectric Strength.  
Supports Lead Insulation and  
Prevents Exposure of Bare Wire.

Terminal precision-formed  
from a variety of materials.  
Providing high conductivity  
and good wear resistance.

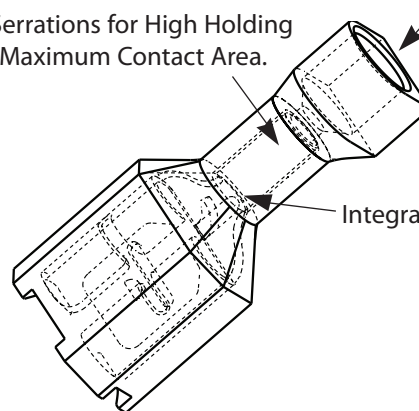


NYLON PARTIALLY INSULATED TERMINAL

Insulation completely covers terminal  
preventing accidental contact with chassis  
and other components.

Barrel has Serrations for High Holding  
Power and Maximum Contact Area.

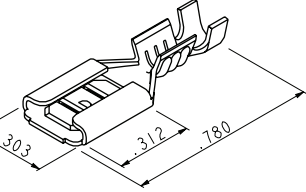
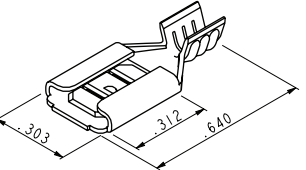
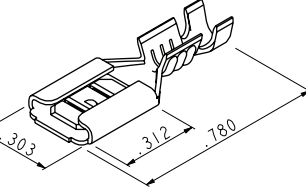
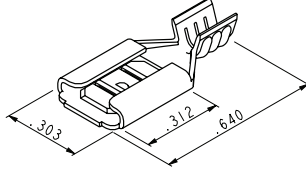
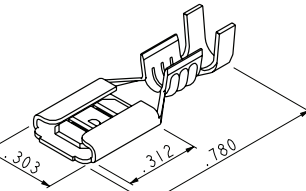
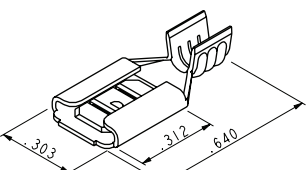
Integral Wire Stop



INSUL<sup>Q</sup>QUICK<sup>®</sup>  
NYLON FULLY INSULATED TERMINALS

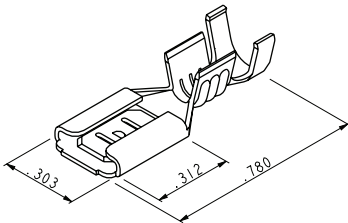
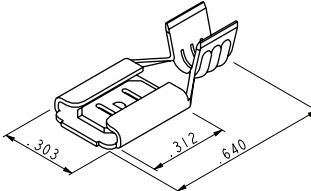
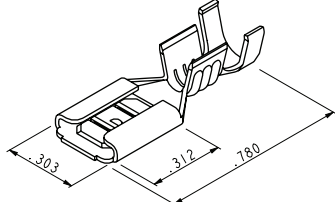
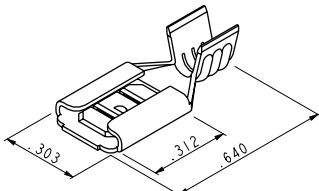
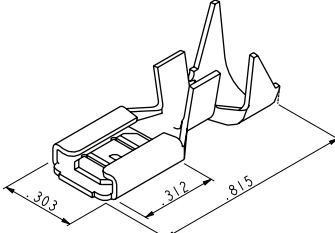
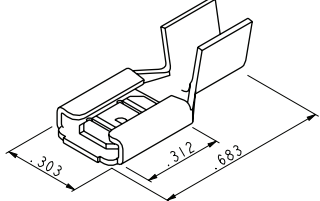
# .250 Quick-Connect Series In-Line Type

Cross Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.060-.115	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 119A-6
							Brass	3000H 119AB-6
	22-18	None	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 119A-6-2
							Brass	3000H 119AB-6-2
	22-18	.060-.115	✓✓	5000	$7/32 \pm 1/32$	.016	Silver Plated Brass	3000H 129AC-6
	22-18	None	✓✓	5000	$7/32 \pm 1/32$	.016	Silver Plated Brass	3000H 129AC-6-2
Note: -6 Series will Accept #24-#18 AWG.								
	22-16	.075-.125	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 119A-4
							Brass	3000H 119AB-4
	22-16	None	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 119A-4-2
							Brass	3000H 119AB-4-2

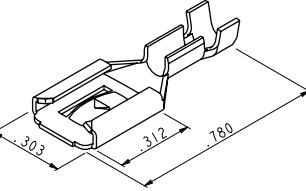
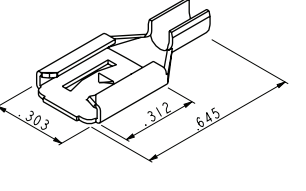
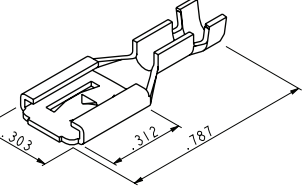
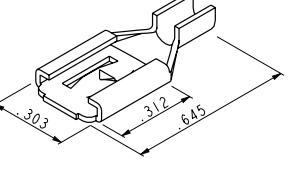
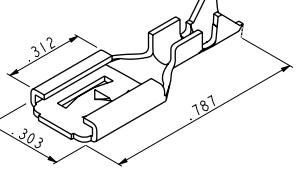
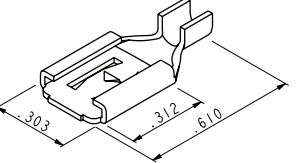
# .250 Quick-Connect Series | In-Line Type

Cross Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	18-14	.110-.175	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 119A-5
							Brass	3000H 119AB-5
	18-14	None	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 119A-5-2
							Brass	3000H 119AB-5-2
	18-14	.115-.170	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Silver Plated Brass	3000H 129AC-5
	18-14	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Silver Plated Brass	3000H 129AC-5-2
	18-10	.150-.250	✓✓	2500	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 109A
							Brass	3000H 109AB
							Silver Plated Brass	3000H 109AC
							Nickel Plated Brass	3000H 109AN
* Plain Brass Terminals Not Recommended for Use with 10 AWG.								
	18-10	None	✓✓	2500	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 109A-2
							Brass	3000H 109AB-2
							Silver Plated Brass	3000H 109AC-2
							Nickel Plated Brass	3000H 109AN-2
* Plain Brass Terminals Not Recommended for Use with 10 AWG.								

# .250 Quick-Connect Series | In-Line Type

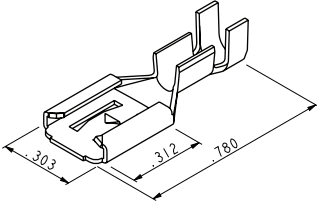
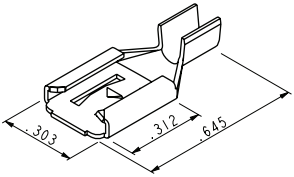
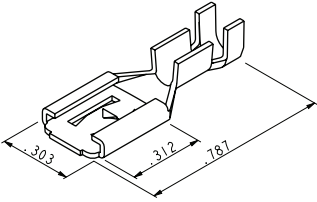
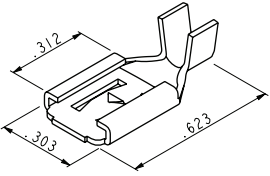
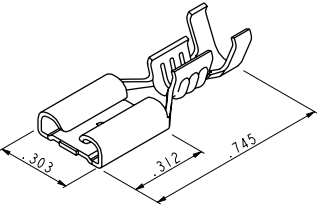
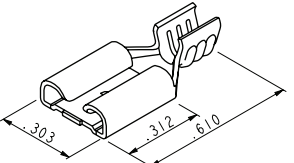
Axial Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.040-.090	✓✓	6000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 219A-6
							Brass	3000H 219AB-6
	22-18	None	✓✓	6000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 219A-6-2
							Brass	3000H 219AB-6-2
Note: the Above Series will Accept #24-#18 AWG.								
	22-18	.040-.090	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A-6
							Brass	3000H 19AB-6
	22-18	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A-6-2
							Brass	3000H 19AB-6-2
	22-18	.040-.090	✓✓	4000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 20A
							Brass	3000H 20AB
							Silver Plated Brass	3000H 20AC
	22-18	None	✓✓	5000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 20A-2
							Brass	3000H 20AB-2
							Silver Plated Brass	3000H 20AC-2

Note: The Above Series will Accept #24-#18 AWG

# .250 Quick-Connect Series | In-Line Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.075-.125	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 219A-4
							Brass	3000H 219AB-4
	22-16	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 219A-4-2
							Brass	3000H 219AB-4-2
	22-16	.075-.125	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A-4
							Brass	3000H 19AB-4
							Silver Plated Brass	3000H 19AC-4
	22-16	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A-4-2
							Brass	3000H 19AB-4-2
							Silver Plated Brass	3000H 19AC-4-2
	20-16	.075-.125	--	3000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Nickel Steel	3000H 222J-4
	18-14	.100-.175					Pre Nickel Steel	3000H 222J-5
	20-16	None	--	3000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Nickel Steel	3000H 222J-4-2
	18-14	None					Pre Nickel Steel	3000H 222J-5-2

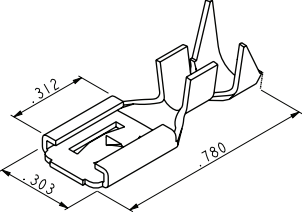
# .250 Quick-Connect Series | In-Line Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-14	.075-.150	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3000H 219A-5 3000H 219AB-5
	20-14	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3000H 219A-5-2 3000H 219AB-5-2
	20-14	.075-.175	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 19A-5 3000H 19AB-5
	20-14	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 19A-5-2 3000H 19AB-5-2
	20-14	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass Silver Plated Brass	3000H 9A 3000H 9AB 3000H 9AC
	20-14	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass Silver Plated Brass	3000H 9A-2 3000H 9AB-2 3000H 9AC-2

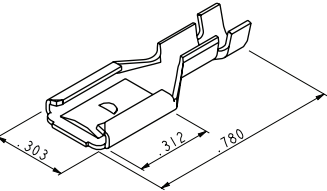
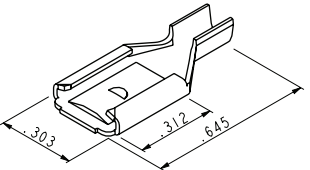
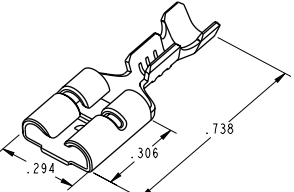
## .250 Quick-Connect Series | In-Line Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-12	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A
							Brass	3000H 19AB
							Silver Plated Brass	3000H 19F
							Pre Tinned Phos. Bronze	3000H 19H
	20-12	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 19A-2
							Brass	3000H 19AB-2
							Silver Plated Brass	3000H 19F-2
							Pre Tinned Phos. Bronze	3000H 19H-2

## .250 Quick-Connect Series | In-Line Type

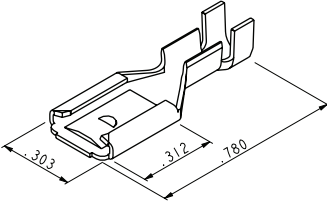
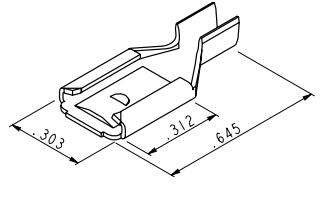
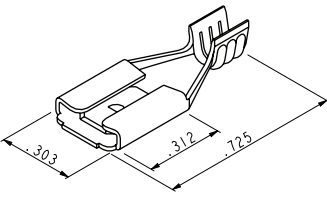
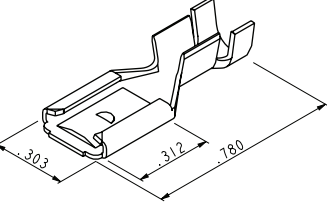
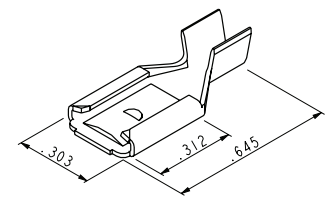
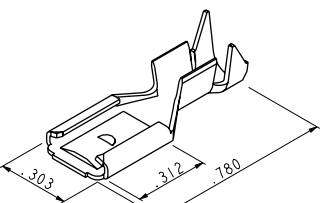
Closed Back Design  
To Accept .250 x .032 Male Tab

	22-18	.040-.090	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 63E-6
							Brass	3000H 63EB-6
	22-18	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 63E-6-2
							Brass	3000H 63EB-6-2
	22-18	.055-.120	✓✓	6000	$\frac{9}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	83000132218

Note: -6 Series will Accept #24-#18 AWG

# .250 Quick-Connect Series | In-Line Type

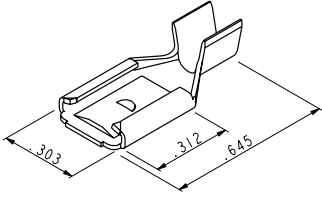
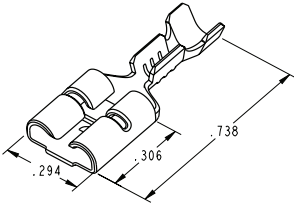
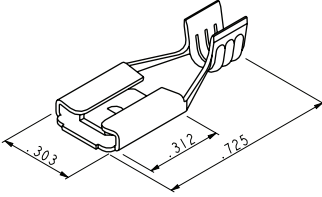
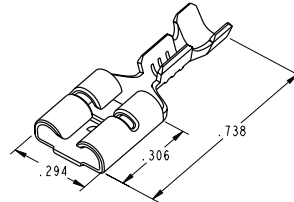
Closed Back Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.075-.125	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 63E-4
							Brass	3000H 63EB-4
	22-16	None	✓✓	5000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 63E-4-2
							Brass	3000H 63EB-4-2
	22-16	None	--	4000	$3/16 \pm 1/32$	.016	Pre Tinned Brass	3000H 214A-4-2
							Brass	3000H 214AB-4-2
	20-14	.075-.175	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 63E-5
							Brass	3000H 63EB-5
	20-14	None	✓✓	5000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 63E-5-2
							Brass	3000H 63EB-5-2
	20-14	.075-.175	✓✓	5000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 63E
							Brass	3000H 63EB
							Silver Plated Brass	3000H 63F



# .250 Quick-Connect Series | In-Line Type

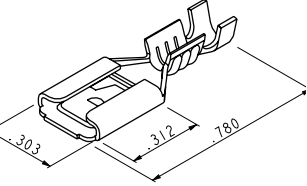
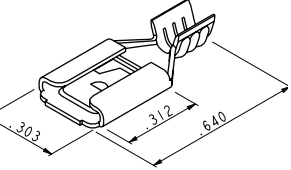
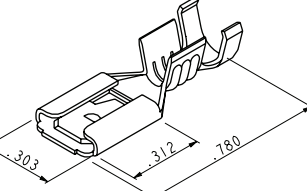
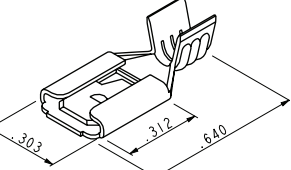
Closed Back Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-14	None	✓✓	5000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 63E-2
							Brass	3000H 63EB-2
							Silver Plated Brass	3000H 63F-2
	16-14	.090-.155	✓✓	6000	$\frac{9}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	83000131614
	14-12	None	--	4000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 214A-5-2
							Brass	3000H 214AB-5-2
	(2) 12s or (1) 10	None	--	4000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 214A-7-2
							Brass	3000H 214AB-7-2
	12-10	.130-.190	✓✓	4000	$\frac{9}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	83000131210

Note: Plain Brass Terminals are Not Recommended for Use with 10 AWG.

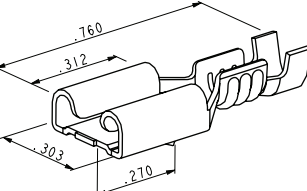
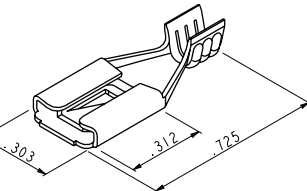
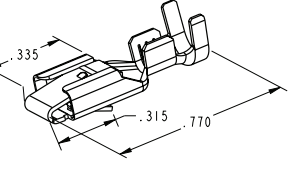
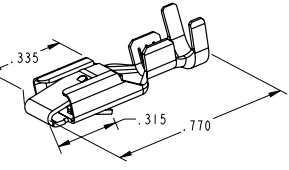
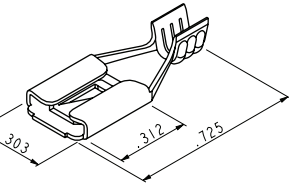
# .250 Quick-Connect Series Locking Type

Closed Back Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.060-.115	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 118A-6
							Brass	3000H 118AB-6
	22-18	None	✓✓	5000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 118A-6-2
							Brass	3000H 118AB-6-2
Note: -6 Series will Accept #24-#18 AWG								
	18-14	.110-.175	✓✓	4000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 118A-5
							Brass	3000H 118AB-5
	18-14	None	✓✓	5000	$7/32 \pm 1/32$	.016	Pre Tinned Brass	3000H 118A-5-2
							Brass	3000H 118AB-5-2

# .250 Quick-Connect Series | Locking Type

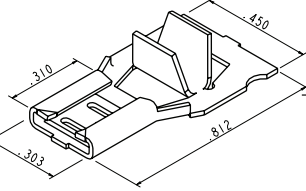
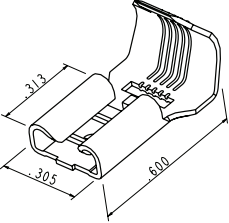
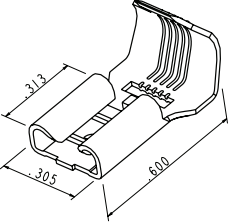
Closed Back Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.075-.125	--	2000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 112A-6*
							Brass	3000H 112AB-6*
*Less Detent Bump								
	22-16	None	--	3000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 114A-4A-2*
							Brass	3000H 114AB-4A-2*
*Less Detent Bump								
	22-14	.080-.120	--	2000	$\frac{3}{16} \pm \frac{1}{32}$	.018	Pre Tinned Brass	3000H 183A
							Brass	3000H 183AB
	12-10	.140-.175	--	1500	$\frac{3}{16} \pm \frac{1}{32}$	.018	Pre Tinned Brass	3000H 187A
							Brass	3000H 187AB
	14-12	None	--	4000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 114A-5A-2*
							Brass	3000H 114AB-5A-2*
	(2) 12's or (1) 10	None	--	4000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 114A-7A-2
							Brass	3000H 114AB-7A-2

Note: Plain Brass Terminals are Not Recommended for Use with 10 AWG  
\*Less Detent Bump

# .250 Quick-Connect Series Flag Type

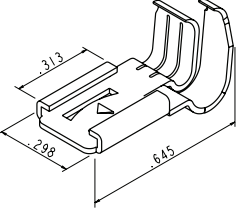
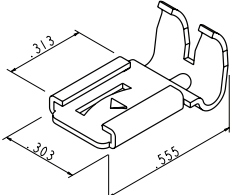
Cross Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-16	None	✓✓	2000	$1\frac{3}{32} \pm \frac{1}{32}$	.018	Pre Tinned Brass	3000H 405A-4
							Brass	3000H 405AB-4
							Silver Plated Brass	3000H 405AC-4
	16-12	None	✓✓	2000	$1\frac{3}{32} \pm \frac{1}{32}$	.018	Pre Tinned Brass	3000H 405A
							Brass	3000H 405AB
							Silver Plated Brass	3000H 405AC
	16-12	None	✓✓	4000	$1\frac{3}{32} \pm \frac{1}{32}$	.018	Pre Tinned Brass	3000H 407A*
							Brass	3000H 407AB*
							Silver Plated Brass	3000H 407AC*
							Pre Tinned Phos Bronze	3000H 407PA*
							Brass	3000H 407PB*
Silver Plated Phos Bronze	3000H 407PC*							

\*Contact factory for special application equipment and pricing information .

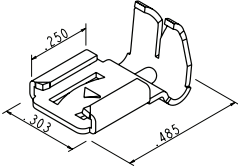
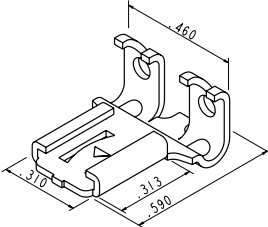
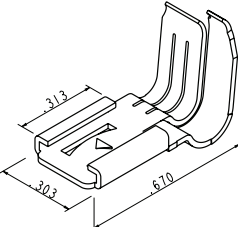
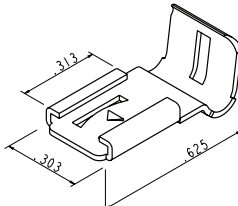
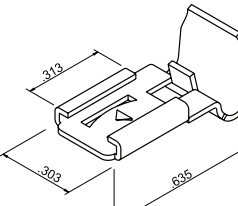
# .250 Quick-Connect Series | Flag Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab

	20-14	.075-.155	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 49A
							Brass	3000H 49AB
							Silver Plated Brass	3000H 49T
							Pre Tinned Phos. Bronze	3000H 49U
							Phos. Bronze	3000H 49UB
	20-14	.075-.155	✓✓	4000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 45A
							Brass	3000H 45AB
							Silver Plated Brass	3000H 45AC
							Pre Tinned Phos. Bronze	3000H 45C
	20-14	None	✓✓	5000	$1\frac{1}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3000H 4A
							Brass	3000H 4AB
							Silver Plated Brass	3000H 4AC

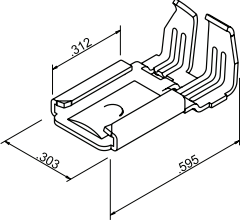
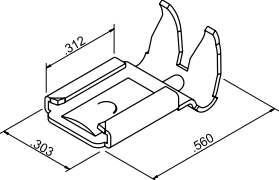
# .250 Quick-Connect Series | Flag Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-14	None	✓✓	4000	$\frac{5}{16} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 484A 3000H 484AB
	18-14	None	✓✓	1500	$\frac{1}{2} \pm \frac{1}{32}$	.025	Pre Tinned Brass Brass Silver Plated Brass	3000H 4 3000H 4B 3000H 4H
	18-12	.125-.210	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass Pre Tinned Phos. Bronze Phos. Bronze Silver Plated Phos. Bronze	3000H 68A 3000H 68AB 3000H 68PA 3000H 68PB 3000H 68PC
	18-12	None	✓✓	5000	$1\frac{1}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass Silver Plated Brass	3000H 4C 3000H 4CB 3000H 4CD
	14-10	None	✓✓	4000	$1\frac{1}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass Silver Plated Brass	3000H 60A 3000H 60AB 3000H 60AC

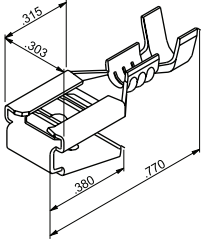
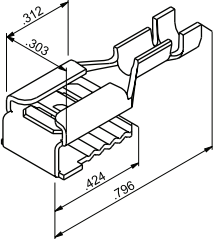
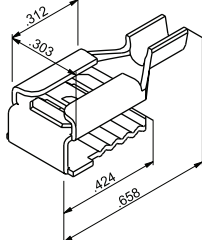
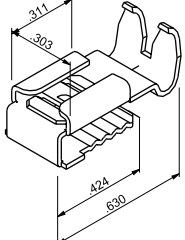
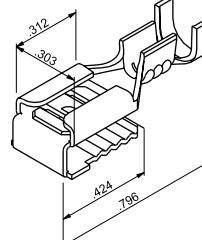
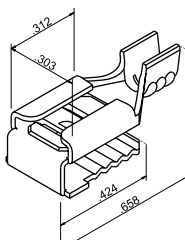
# .250 Quick-Connect Series | Flag Type

Closed Back Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.070-.135	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 4L
							Brass	3000H 4LB
	20-14	None	✓✓	5000	$\frac{1}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3000H 69A
							Brass	3000H 69AB
							Silver Plated Brass	3000H 69F

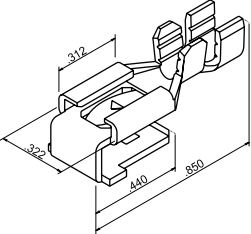
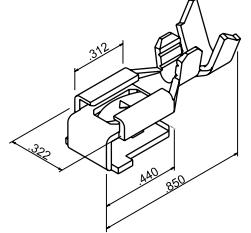
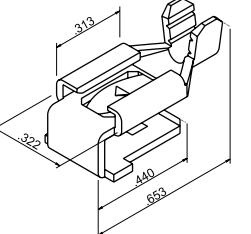
# .250 Quick-Connect Series Piggyback Flag & In-Line Type

Cross Bridge Design  
To Accept .250 x .032 Male Tab  
and Female Quick Connect

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.060-.115	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3000H 221A-6 3000H 221AB-6
	22-18	.040-.090	--	2000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 121A-6 3000H 121AB-6
	22-18	None	--	2000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 121A-6-2 3000H 121AB-6-2
	20-14	None	✓✓	2000	$\frac{1}{2} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 421A 3000H 421AB
	18-14	.110-.175	--	2000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 121A 3000H 121AB
	18-14	None	--	2000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass Brass	3000H 121A-2 3000H 121AB-2

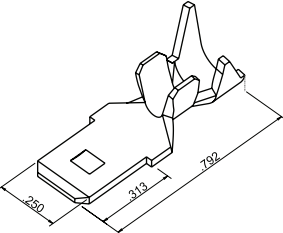
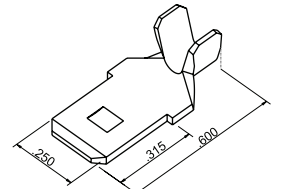
## .250 Quick-Connect Series Piggyback In-Line Type

Axial Bridge Design  
To Accept .250 x .032 Male Tab  
and Female Quick Connect

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-12	.075-.125	✓✓	2000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000H 21A-6
							Brass	3000H 21AB-6
							Silver Plated Brass	3000H 21AC-6
	20-12	.150-.210	✓✓	2000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000H 21A
							Brass	3000H 21AB
							Silver Plated Brass	3000H 21AC
	20-12	None	✓✓	2000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000H 21A-2
							Brass	3000H 21AB-2
							Silver Plated Brass	3000H 21AC-2

## .250 Quick-Connect Series In-Line Type Male

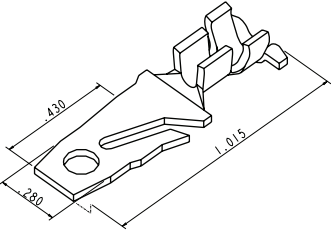
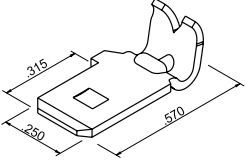
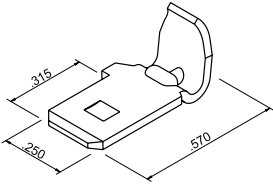
To Accept .250 x .032  
Female Quick Connect

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-16	.075-.145	✓✓	4000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000M 1A-4
							Brass	3000M 1AB-4
	20-14	.075-.145	✓✓	4000			Pre Tinned Brass	3000M 1A
							Brass	3000M 1AB
	20-16	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000M 1A-4-2
							Brass	3000M 1AB-4-2
	20-14	None	✓✓	5000			Pre Tinned Brass	3000M 1A-2
							Brass	3000M 1AB-2



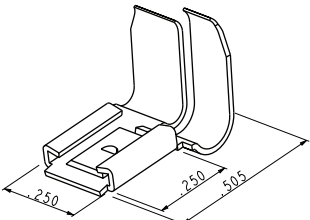
## .250 Quick-Connect Series In-Line Type & Flag Type Male

To Accept .250 x .032  
Female Quick Connect

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-14	.080-.120	--	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000M 774A
							Brass	3000M 774AB
	18-14	None	✓✓	5000	$\frac{9}{32} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000M 3A
							Brass	3000M 3AB
	18-12	None	✓✓	5000	$\frac{9}{32} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3000M 3C
							Brass	3000M 3CB

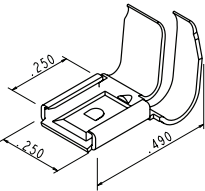
## .205 Quick-Connect Series Flag Type

Closed Back Design  
To Accept .205 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-16	None	--	8000	$\frac{9}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	3620H 69A
							Brass	3620H 69AB
	18-14	.075-.155	--	4000	$\frac{5}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	3620H 11C
							Brass	3620H 11CB

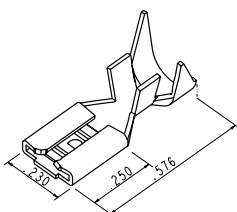
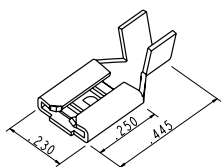
## .205 Quick-Connect Series | Flag Type

Closed Back Design  
To Accept .205 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	18-14	.075-.155	--	4000	$\frac{5}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	3600H 11C
							Brass	3600H 11CB

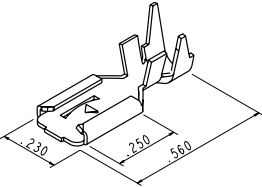
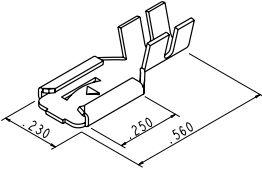
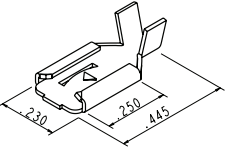
## .187 Quick-Connect Series In-Line Type

Cross Bridge Design  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.135-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	3500H 109A
							Brass	3500H 109AB
	22-16	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	3500H 109A-2
							Brass	3500H 109AB-2

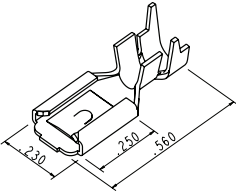
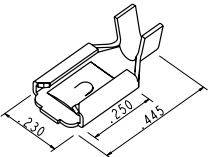
# .187 Quick-Connect Series | In-Line Type

Axial Bridge Design  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.075-.125	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 101A
							Brass	3500H 101AB
	22-16	.040-.085	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 101A-4
							Brass	3500H 101AB-4
	22-16	None	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 101A-2
							Brass	3500H 101AB-2

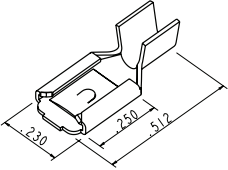
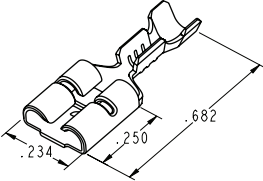
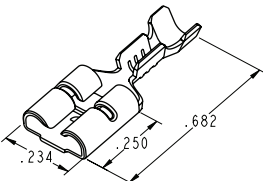
# .187 Quick-Connect Series | In-Line Type

Closed Back Design  
To Accept .187 x .020 Male Tab

	22-16	.075-.125	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 63E
							Brass	3500H 63EB
							Silver Plated Brass	3500H 63EC
	22-16	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 63E-2
							Brass	3500H 63EB-2
							Silver Plated Brass	3500H 63EC-2

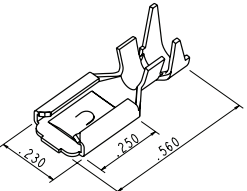
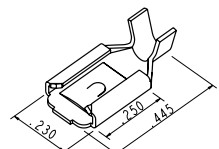
## .187 Quick-Connect Series | In-Line Type

Closed Back Design  
To Accept .187 x .020 Male Tab (Cont.)

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	None	✓✓	6000	$\frac{3}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 62A
							Brass	3500H 62AB
	22-18	.055-.120	✓✓	6000	$\frac{3}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	83500122218
	16-14	.090-.155	✓✓	6000	$\frac{3}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	83500121614

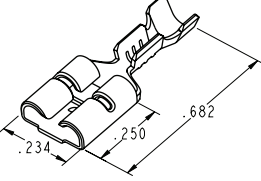
## .187 Quick-Connect Series | In-Line Type

Closed Back Design  
To Accept .187 x .032 Male Tab

	22-16	.075-.125	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 163E
							Brass	3500H 163EB
	22-16	None	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass	3500H 163E-2
							Brass	3500H 163EB-2

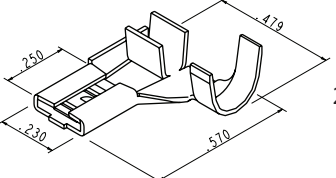
## .187 Quick-Connect Series | In-Line Type

Closed Back Design  
To Accept .187 x .032 Male Tab (Cont.)

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.055-.120	✓✓	6000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	83500132218
	16-14	.090-.155	✓✓	6000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass	83500131614

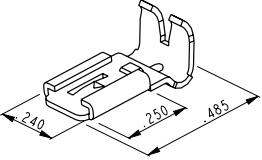
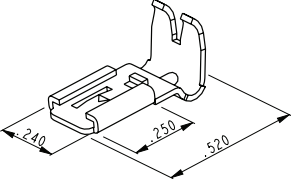
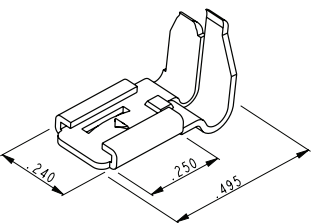
## .187 Quick-Connect Series Flag Type

Cross Bridge Design  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-16	None	✓✓	3000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Pre Tinned Brass Brass	3500H 414A 3500H 414AB
	20-16	.100-.150	--	3000	$\frac{1}{4} \pm \frac{1}{32}$	0.016	Pre Tinned Brass Brass	3500H 405A 3500H 405AB

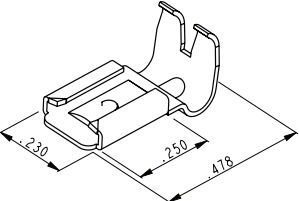
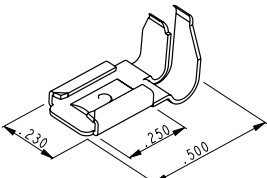
## .187 Quick-Connect Series | Flag Type

Axial Bridge Design  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	None	✓✓	8000	$\frac{1}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 4A 3500H 4AB
	22-16	None	✓✓	6000	$\frac{1}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 404A 3500H 404AB
	20-16	.075-.125	✓✓	6000	$\frac{1}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 11A 3500H 11AB

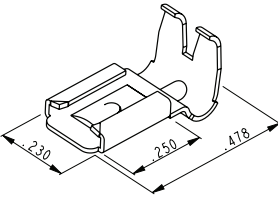
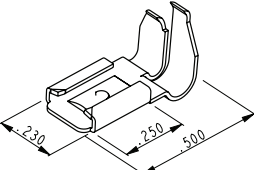
## .187 Quick-Connect Series | Flag Type

Closed Back Design  
To Accept .187 x .020 Male Tab

	22-16	None	✓✓	8000	$\frac{1}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass Brass	3500H 69A 3500H 69AB
	20-18	.075-.125	✓✓	8000	$\frac{1}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass Brass	3500H 411A 3500H 411AB

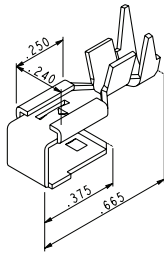
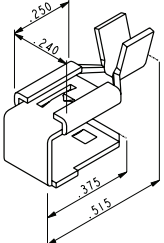
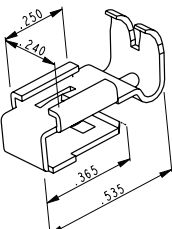
## .187 Quick-Connect Series | Flag Type

Closed Back Design  
To Accept .187 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	None	✓✓	8000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass Brass	3500H 413A 3500H 413AB
	20-18	.075-.125	✓✓	8000	$\frac{5}{32} \pm \frac{1}{32}$	0.014	Pre Tinned Brass Brass	3500H 412A 3500H 412AB

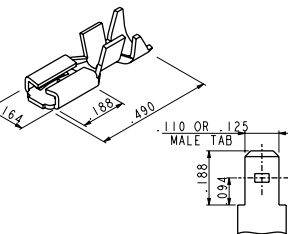
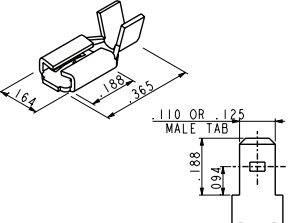
## .187 Quick-Connect Series Piggyback In-Line and Flag Type

Axial Bridge Design  
To Accept .187 x .020 Male Tab  
and Female Quick-Connect

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-14	.100-.175	✓✓	3000	$\frac{5}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 21A 3500H 21AB
	20-14	None	✓✓	3000	$\frac{5}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 21A-2 3500H 21AB-2
	20-14	None	✓✓	3000	$\frac{5}{32} \pm \frac{1}{32}$	0.020	Pre Tinned Brass Brass	3500H 421A 3500H 421AB

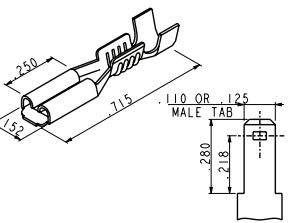
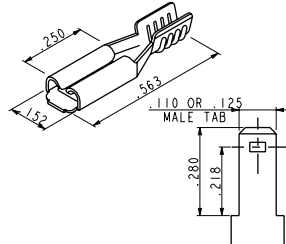
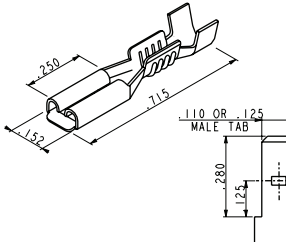
# .110/.125 Quick-Connect Series In-Line Type

Axial & Closed Back Design  
To Accept .110/.125 x .014 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-16	.040-.090	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3650H 1A
							Brass	3650H 1AB
	22-16	None	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3650H 1A-2
							Brass	3650H 1AB-2

# .110/.125 Quick-Connect Series In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .014 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	24-18	.040-.090	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3650H 101A
							Brass	3650H 101AB
	24-18	None	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3650H 101A-2
							Brass	3650H 101AB-2
	24-18	.040-.090	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3650H 301A
							Brass	3650H 301AB



# .110/.125 Quick-Connect Series | In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .014 Male Tab (Cont.)

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	24-18	None	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass Brass	3650H 301A-2 3650H 301AB-2
	24-18	None	--	8,000	$\frac{5}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3650H 401A 3650H 401AB

# .110/.125 Quick-Connect Series | In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .020 Male Tab

	22-16	.040-.090	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3650H 2A 3650H 2AB
	22-16	None	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.016	Pre Tinned Brass Brass	3650H 2A-2 3650H 2AB-2
	22-18	.040-.090	✓✓	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass Brass	3650H 102A 3650H 102AB

# .110/.125 Quick-Connect Series | In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .020 Male Tab (Cont.)

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	None	✓✓	10,000	$7/32 \pm 1/32$	.010	Pre Tinned Brass	3650H 102A-2
							Brass	3650H 102AB-2
	24-18	None	--	8,000	$5/32 \pm 1/32$	.016	Pre Tinned Brass	3650H 402A
							Brass	3650H 402AB

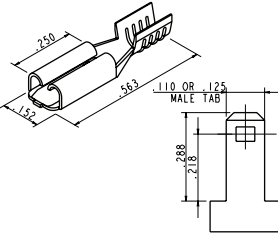
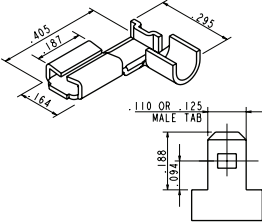
# .110/.125 Quick-Connect Series | In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .032 Male Tab

	22-16	.040-.090	--	10,000	$1/8 \pm 1/32$	.016	Pre Tinned Brass	3650H 3A
							Brass	3650H 3AB
	22-16	None	--	10,000	$1/8 \pm 1/32$	.016	Pre Tinned Brass	3650H 3A-2
							Brass	3650H 3AB-2
	22-18	.040-.090	✓✓	10,000	$7/32 \pm 1/32$	.010	Pre Tinned Brass	3650H 103A
							Brass	3650H 103AB

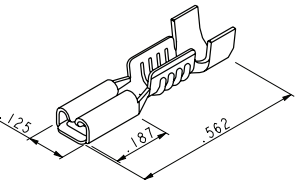
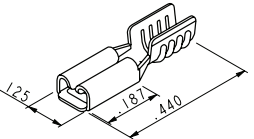
# .110/.125 Quick-Connect Series | In-Line and Flag Type

Axial & Closed Back Design  
To Accept .110/.125 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	None	✓✓	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3650H 103A-2
							Brass	3650H 103AB-2
	24-18	None	--	10,000	$\frac{5}{32} \pm \frac{1}{32}$	.016	Pre Tinned Brass	3650H 403A
							Brass	3650H 403AB

# .093 Quick-Connect Series In-Line Type

Closed Back Design  
To Accept .093 x .020 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	24-18	.040-.090	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3700H 102A
							Brass	3700H 102AB
							Phosphor Bronze	3700H 102PB
							Post-Tin Phosphor Bronze	3700H 102PD
	24-18	None	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3700H 102A-2
							Brass	3700H 102AB-2
							Phosphor Bronze	3700H 102PB-2
							Post-Tin Phosphor Bronze	3700H 102PD-2

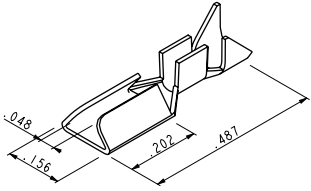
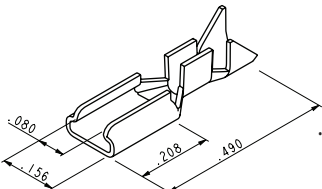
## .093 Quick-Connect Series | In-Line Type

Closed Back Design  
To Accept .093 x .032 Male Tab

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	24-18	.040-.090	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3700H 103A
							Brass	3700H 103AB
							Phosphor Bronze	3700H 103PB
							Post-Tin Phosphor Bronze	3700H 103PD
	24-18	None	--	10,000	$\frac{7}{32} \pm \frac{1}{32}$	.010	Pre Tinned Brass	3700H 103A-2
							Brass	3700H 103AB-2
							Phosphor Bronze	3700H 103PB-2
							Post-Tin Phosphor Bronze	3700H 103PD-2

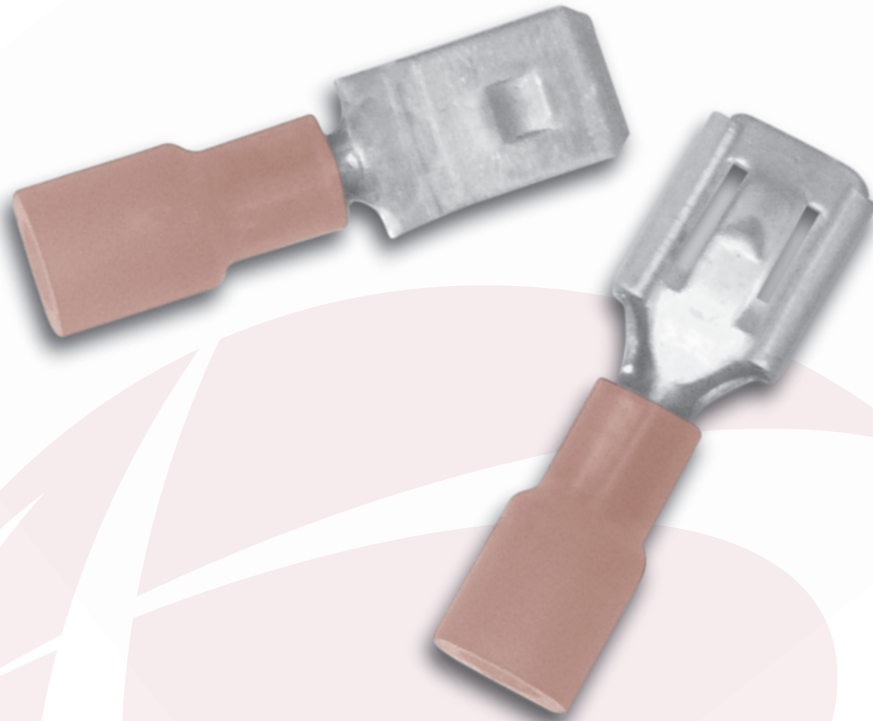
## .062/.093 Quick-Connect Series P.C. Edge Type

Closed Back Design  
To Accept .062 and .093 P.C. Boards

STYLE AND DIMENSIONS	MATING BOARD THICKNESS	WIRE RANGE	MAX INSUL. DIAMETER "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	.062	24-20	.060-.100	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.011	Pre Tinned Brass	3750H 3A
								Brass	3750H 3AB
		Tin Plated Bronze	3750H 3C						
		Pre Tinned Brass	3750H 3B						
		Brass	3750H 3L						
Tin Plated Bronze	3750H 3D								
	.093	24-20	.060-.100	--	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.011	Pre Tinned Brass	3750H 3F
							.013	Nickel Silver	3750H 3K

# 3 Quick-Connect Series

## Nylon Partially and Fully Insulated



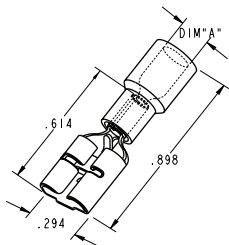
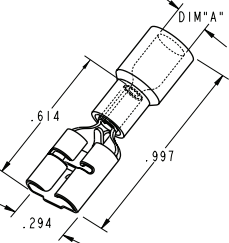
- .250 Quick-Connect Series** | Nylon Partially Insulated In-Line Type  
| Nylon Fully Insulated In-Line Type  
| Nylon Partially Insulated Male In-Line Type
- .205 Quick-Connect Series** | Nylon Partially Insulated Male In-Line Type
- .187 Quick-Connect Series** | Nylon Partially Insulated In-Line Type  
| Nylon Fully Insulated In-Line Type  
| Nylon Partially Insulated Male In-Line Type
- .110 Quick-Connect Series** | Nylon Partially Insulated In-Line Type

# .250 Quick-Connect Series

## Nylon Partially Insulated INSUL◇QUICK® In-Line Type

Closed Back Bridge Design  
Rolled Rail

To Accept .250 x .032 Male Tab

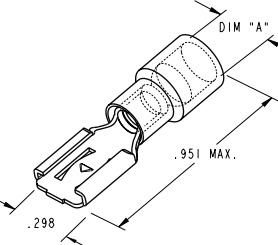
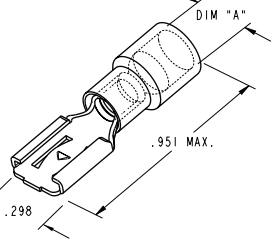
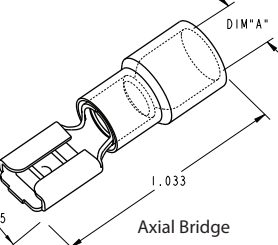
STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.149	✓✓	3000	$\frac{7}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass	7509028 (Red)
	16-14	0.205					Insulator: Nylon 6/6	7509068 (Blue)
Color(s): Red, Blue								
	12-10	0.279	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass	7509388
							Insulator: Nylon 6/6	
Color: Yellow								

# .250 Quick-Connect Series |

## Nylon Partially Insulated INSUL◇QUICK® In-Line Type

Axial and Cross Bridge Design  
Box Receptacle

To Accept .250 x .032 Male tab

	22-18	0.149	--	3000	$\frac{7}{32} \pm \frac{1}{32}$	0.020	Terminal: Pre Tinned Brass	75099018
							Insulator: Nylon 6/6	
Color: Red								
	16-14	0.205	--	3000	$\frac{7}{32} \pm \frac{1}{32}$	0.020	Terminal: Pre Tinned Brass	75099028
							Insulator: Nylon 6/6	
Color: Blue								
	12-10	0.263	--	2000	$\frac{17}{64} \pm \frac{1}{32}$	0.020	Terminal: Pre Tinned Brass	75099038
							Insulator: Nylon 6/6	
Color: Yellow								

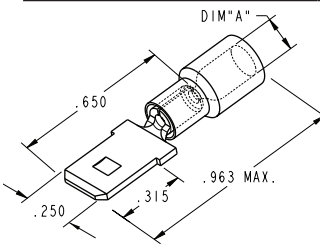
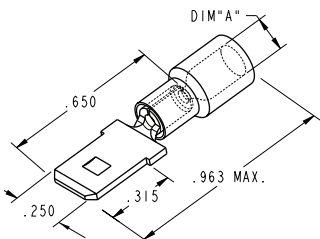
## .250 Quick-Connect Series Nylon Fully Insulated INSUL $\diamond$ QUICK $^{\text{®}}$ In-Line Type

Closed Back Bridge Design  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.153	✓✓	2000	$\frac{3}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	73000132218
	16-14	0.168	✓✓	2000	$\frac{3}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	73000131614
	12-10	0.263	✓✓	1500	$\frac{5}{16} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Yellow	73000131210

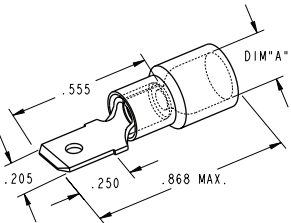
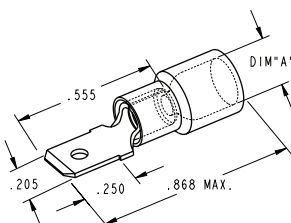
## .250 Quick-Connect Series Nylon Partially Insulated INSUL $\diamond$ QUICK $^{\text{®}}$ Male In-Line Type

To Accept .250 x .032  
Female Quick Connect

	22-18	0.149	✓✓	3000	$\frac{7}{32} \pm \frac{1}{32}$	0.032	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509608
	16-14	0.205	✓✓	3000	$\frac{7}{32} \pm \frac{1}{32}$	0.032	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	7509628

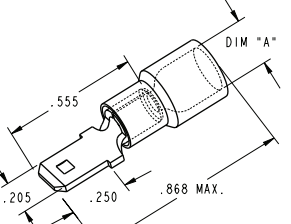
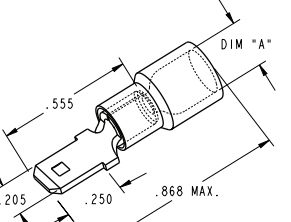
## .205 Quick-Connect Series | Nylon Partially Insulated INSUL◇QUICK® Male In-Line Type

To Accept .205 x .020  
Female Quick Connect

STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.149	--	3000	$\frac{9}{32} \pm \frac{1}{32}$	0.020	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509768
	16-14	0.205	--	3000	$\frac{9}{32} \pm \frac{1}{32}$	0.020	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	7509788

## .205 Quick-Connect Series | Nylon Partially Insulated INSUL◇QUICK® Male In-Line Type

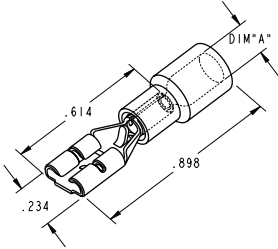
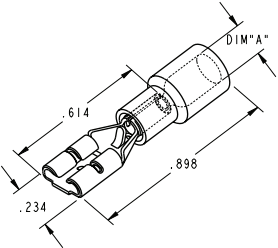
To Accept .205 x .032  
Female Quick Connect

	22-18	0.149	--	3000	$\frac{9}{32} \pm \frac{1}{32}$	0.032	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509808
	16-14	0.205	--	3000	$\frac{9}{32} \pm \frac{1}{32}$	0.032	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	7509828



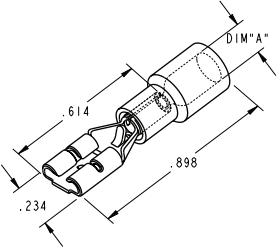
# .187 Quick-Connect Series Nylon Partially Insulated INSUL◇QUICK® In-Line Type

Closed Back Bridge Design  
Rolled Railed  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.149	✓✓	3000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509148
	16-14	0.205	✓✓	3000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	7509188

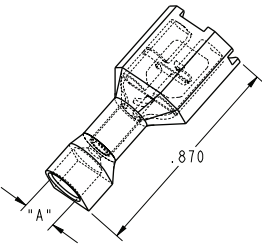
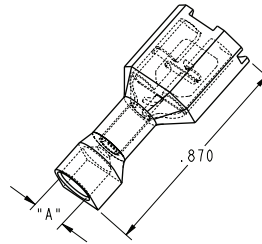
# .187 Quick-Connect Series | Nylon Partially Insulated INSUL◇QUICK® In-Line Type

Closed Back Bridge Design - Rolled Rail  
To Accept .187 x .032 Male Tab

	22-18	0.149	✓✓	3000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509328
	16-14	0.205	✓✓	3000	$\frac{1}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	7509348

# .187 Quick-Connect Series Nylon Fully Insulated INSUL◇QUICK® In-Line Type

Closed Back Design  
To Accept .187 x .020 Male Tab

STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.148	✓✓	2500	$\frac{9}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	73500122218
	16-14	0.168	✓✓	2000	$\frac{9}{32} \pm \frac{1}{32}$	0.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	73500121614

# .187 Quick-Connect Series | Nylon Fully Insulated INSUL◇QUICK® In-Line Type

Closed Back Design  
To Accept .187 x .032 Male Tab

	22-18	0.148	✓✓	2500	$\frac{9}{32} \pm \frac{1}{32}$	.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	73500132218
	16-14	0.168	✓✓	2000	$\frac{9}{32} \pm \frac{1}{32}$	.016	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Blue	73500131614

## .187 Quick-Connect Series Nylon Partially Insulated INSUL $\diamond$ QUICK $\text{\textsuperscript{®}}$ Male In-Line Type

To Accept .187 x .020  
Female Quick Connect

STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.149	✓✓	3000	$\frac{7}{32} \pm \frac{1}{32}$	.020	Terminal: Pre Tinned Brass	7509688 (Red)
	16-14	0.205					Insulator: Nylon 6/6	7509708 (Blue)
							Color(s): Red, Blue	

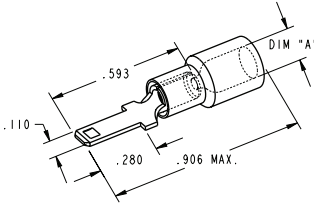
## .187 Quick-Connect Series | Nylon Partially Insulated INSUL $\diamond$ QUICK $\text{\textsuperscript{®}}$ Male In-Line Type

To Accept .187 x .032  
Female Quick Connect

	22-18	0.149	✓✓	3000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Terminal: Pre Tinned Brass	7509728 (Red)
	18-14	0.205					Insulator: Nylon 6/6	7509748 (Blue)
							Color(s): Red, Blue	

## .110 Quick-Connect Series Nylon Partially Insulated INSUL◇QUICK® Male In-Line Type

To Accept .110 x .020  
Female Quick Connect

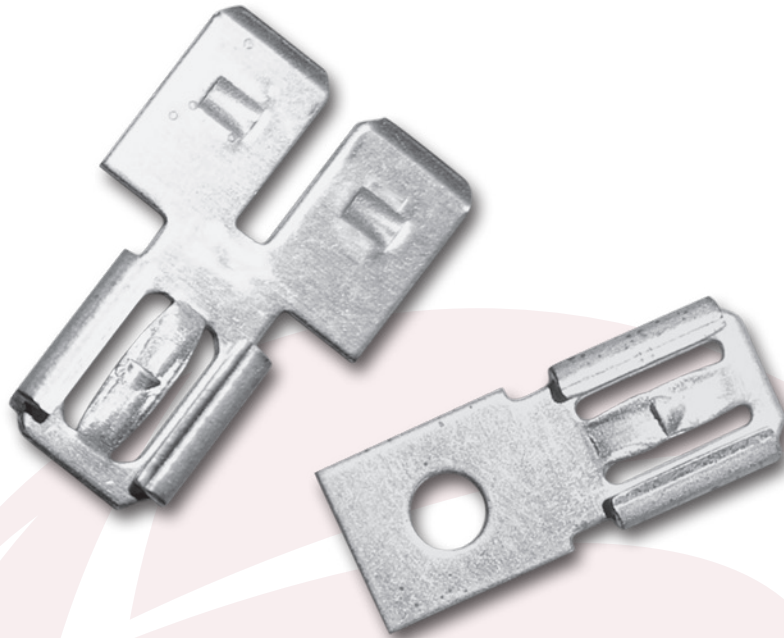
STYLE AND DIMENSIONS	WIRE RANGE	MAX. INSUL. DIA. "A"	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIALS AND FINISH	PART NUMBER
	22-18	0.149	✓✓	3000	$7/32 \pm 1/32$	.020	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509848

## .110 Quick-Connect Series | Nylon Partially Insulated INSUL◇QUICK® Male In-Line Type

To Accept .110 x .032  
Female Quick Connect

	22-18	0.149	✓✓	3000	$7/32 \pm 1/32$	.032	Terminal: Pre Tinned Brass Insulator: Nylon 6/6 Color: Red	7509868
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# 4 Quick-Connect Series Male/Female Stationary



**.250 Quick-Connect Series** | Stationary Male Terminals  
| Stationary Male/Female Terminals  
| Stationary Female Screw Terminals  
| Stationary Male Screw Terminals  
| In-Line Type Male  
| Flag Type Male

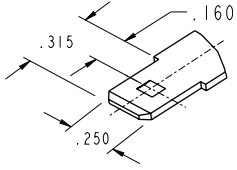
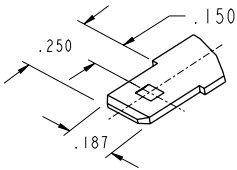
**.250/.187 Quick-Connect Series** | Stationary Male/Female Terminals

**.187 Quick-Connect Series** | Stationary Male Terminals  
| Stationary Male/Female Terminals

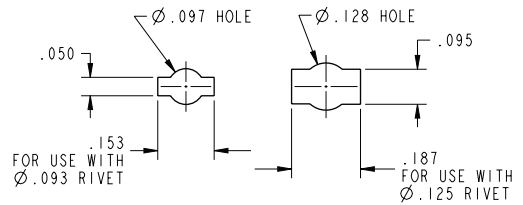
# Product Guide

Quick-Connect STATIONARY terminals and adaptors have been subdivided into series groups. The series of a terminal is determined by the tab/receptacle size and these are listed to the right. Note: Ark-Les tabs conform to UL 310.

For your convenience, this arrangement has been set up to provide the reader with the most direct method of isolating, among thousands, the right terminal. Dimensions, specifications, and other pertinent information are given for reference information only. Space did not allow the listing of every product manufactured by Ark-Les, therefore, if you do not find what you require; please contact your local representative or the Ark-Les customer service department.

SERIES	MATING TAB SIZE	MATING TAB DIMENSIONS
3000	.250 x .032	
3500	.187 x .020 .187 x .032	

## Recommended Anti-Rotation Slot Openings



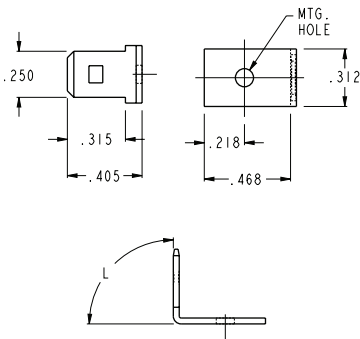
Note: Dimensions in this catalogue are subject to change. Therefore we suggest you secure up-to-date Ark-Les prints before assigning dimensions to your drawings.

# .250 Quick-Connect Series Stationary Male Terminals

Single Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER			
	.100		Flat	Brass	--	3000M 68Y-1			
			Flat	Brass	--	3000M 68Z†			
			Flat	Brass	Tin	3000M 68Z-1†			
			30	Brass	--	3000M 68Y			
			90	Brass	Tin	3000M 68Y-2			
	.130			Flat	Brass	--	3000M 68H-1		
				Flat	Brass	Tin	3000M 68H-2		
				30	Brass	--	3000M 68H		
				45	Brass	Tin	3000M 68B-1		
				90	Brass	--	3000M 68D		
	.154			90	Brass	Tin	3000M 68D-1		
				Flat	Brass	Tin	3000M 68-1B		
				10	Brass	--	3000M 68L-2		
	.164			30	Brass	--	3000M 68P††		
				90	Brass	Tin	3000M 68D-2		
30				Brass	--	3000M 68F-1			
.172			30	Brass	Tin	3000M 68F			
			90	Brass	--	3000M 68N			
			10	Brass	--	3000M 68L			
.212			30	Brass	--	3000M 68K			
			Flat	Brass	--	3000M 68-1			
			Flat	Brass	Tin	3000M 68-1A			
			30	Brass	--	3000M 68			
			30	Brass	Tin	3000M 68C			
			45	Brass	--	3000M 68B			
.221			60	Brass	--	3000M 68-2			
			90	Brass	--	3000M 68G			
			30	Brass	--	3000M 68J			
			.130			45	Brass	--	3000M 96Y
						90	Brass	--	3000M 96Q-2
30	Steel	Nickel				3000M 96-2			
.142			45	Steel	Nickel	3000M 96			
			45	Brass	--	3000M 96G			
			45	Steel	--	3000M 96H			
			45	Brass	Tin	3000M 96P			
			90	Steel	Nickel	3000M 96D			
			90	Brass	Nickel	3000M 96Q			
			90	Brass	--	3000M 96Q-1			
			90	Brass	--	3000M 96Q-3*			
			90	Brass	Tin	3000M 96Q-4			
			45	Steel	Nickel	3000M 96J			
.197			45	Brass	--	3000M 96L			
			45	Brass	Tin	3000M 96L-1			
			90	Brass	--	3000M 96N			
			90	Phos. Bronze	--	3000M 96N-1			
			90	Brass	Tin	3000M 96N-2			

† Anti-Rotation Lugs  
†† 4-Anchor Pts.

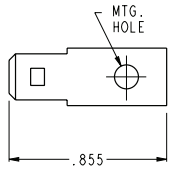
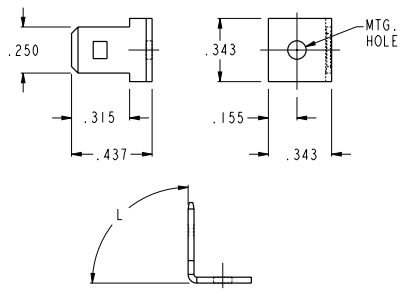
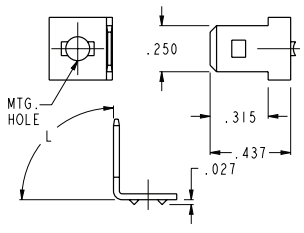
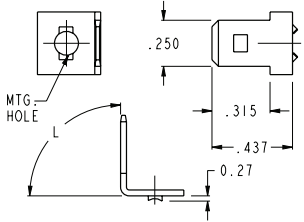
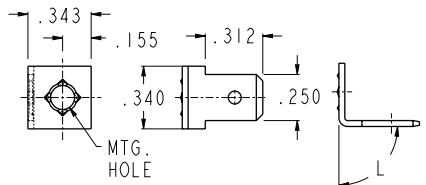


\*Base Length 410  
†† Hole Location 160

# .250 Quick-Connect Series | Stationary Male Terminals

Single Tab

To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
Note: See drawing at bottom of previous page		.227	45	Steel	--	3000M 96W
			45	Steel	Nickel	3000M 96W-1
	.250 x .032		Flat	Brass	--	3000M 96K-1B <sup>†</sup>
			Flat	Brass	Tin	3000M 96K-1C <sup>†</sup>
			Flat	Brass	Tin	3000M 96Q-5
			Flat	Brass	--	3000M 96M
			Flat	Brass	Tin	3000M 96M-1
			Flat	Brass	Zinc	3000M 96R
			Flat	Steel	Nickel	3000M 96T
			Flat	Brass	Tin	3000M 96Z
			Flat	Brass	Tin	3000M 96M-1A
			Flat	Brass	--	3000M 142E
	.250 x .032		90	Brass	--	3000M 142E-1
			45	Brass	--	3000M 142V
			90	Brass	--	3000M 142A
			90	Brass	Tin	3000M 142D
			90	Copper	--	3000M 142Z
			90	Copper	Tin	3000M 142Z-1
			90	Brass	--	3000M 142B
			90	Brass	--	3000M 142K
			90	Brass	Silver	3000M 142K-1
			90	Brass	Tin	3000M 142K-2
	.250 x .032	.130	90	Brass	--	3000M 142
			90	Brass	Tin	3000M 142-1
			30	Brass	--	3000M 142C-1
			45	Brass	--	3000M 142P
			45	Brass	Tin	3000M 142PT
			90	Brass	--	3000M 142C
			90	Brass	Tin	3000M 142G
			90	Brass	Nickel	3000M 142S
			90	Brass	Zinc	3000M 142U
			90	Brass	Nickel	3000M 142Y
	.250 x .032	.130	45	Brass	--	3000M 142R
			90	Brass	--	3000M 142F
	.250 x .032	.130	90	Brass	Tin	3000M 670 <sup>†</sup>

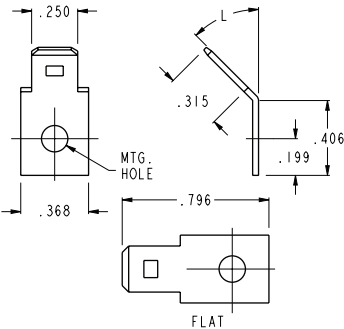
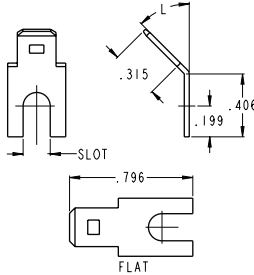
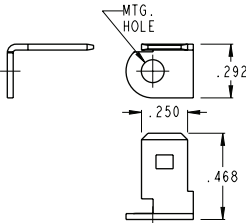
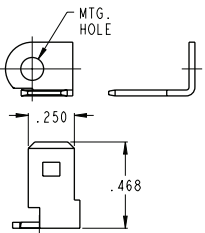
<sup>†</sup> Round .073 Detent



# .250 Quick-Connect Series | Stationary Male Terminals

Single Tab

To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER					
	.250 x .032		.093	90	Brass	--	3000M 159W				
				Flat	Brass	--	3000M 159K				
				Flat	Brass	Tin	3000M 159K-1				
			.143	45	Brass	--	3000M 159G				
				45	Brass	Tin	3000M 159G-1				
				90	Brass	--	3000M 159Y				
				90	Brass	Tin	3000M 159Y-1				
				.175	Flat	Brass	--	3000M 159F			
					Flat	Brass	Tin	3000M 159F-1			
			Flat		Brass	Nickel	3000M 159F-2N				
			.201	45	Brass	--	3000M 159B				
				45	Brass	Tin	3000M 159N				
				90	Brass	--	3000M 159				
				90	Brass	Tin	3000M 159-1				
			.225	20	Brass	--	3000M 159Z				
				45	Brass	Tin	3000M 159T-1				
				90	Brass	--	3000M 159-1A				
				.252	90	Brass	--	3000M 159R			
Flat	Brass	--			3000M 159V						
Flat	Brass	Zinc			3000M 159V-1						
	.250 x .032		.175	Flat	Brass	--	3000M 159H				
				Flat	Brass	Tin	3000M 159H-1				
				45	Brass	--	3000M 159Q-1				
				90	Brass	--	3000M 159Q				
				90	Brass	Tin	3000M 159Q-2				
				.252	90	Brass	--	3000M 159U			
					.250 x .032		.124	90	Brass	--	3000M 749B
								90	Brass	Tin	3000M 749F
					.250 x .032		.124	90	Brass	--	3000M 749C
								90	Brass	Tin	3000M 749E
90	Brass	Silver Flash	3000M 749G								
90	Brass	.0002 Silver	3000M 749D								

# .250 Quick-Connect Series | Stationary Male Terminals

Single Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.093	Flat	Brass	--	3000M 649
			Flat	Brass	Tin	3000M 649-1
			90	Brass	--	3000M 650-1
			90	Brass	Tin	3000M 650
	.250 x .032	.101	Flat	Brass	--	3000M 518B
			Flat	Brass	Silver	3000M 518
			Flat	Bronze	--	3000M 518C-1
			Flat	Bronze	Silver	3000M 518C
			90	Brass	Silver	3000M 518A
	.250 x .032	.130	90	Brass	--	3000M 641
			90	Brass	--	3000M 641-1 <sup>†</sup>
† Less Anti-Rotation						
	.250 x .032	.203	Flat	Brass	--	3000M 362Z
			Flat	Brass	Tin	3000M 362Z-1
			45	Brass	--	3000M 362R
			45	Brass	Tin	3000M 362R-1
			90	Brass	--	3000M 362B
			90	Brass	Tin	3000M 362B-3
	.250 x .032	.203	90	Brass	--	3000M 362B-1
			90	Brass	Nickel	3000M 362B-2

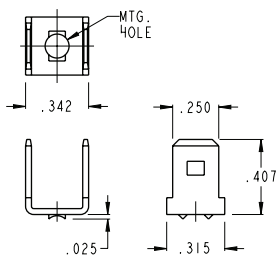
# .250 Quick-Connect Series | Stationary Male Terminals

Two Tab

To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	Flat	Brass	--	3000C 27-1N2 <sup>†</sup>
				Brass	Tin	3000C 27-1N1 <sup>†</sup>
				Brass	--	3000C 27-1N
				Brass	--	3000M 631A
			30	Brass	--	3000M 631
				Brass	--	3000M 685
			90	Brass	--	3000C 27-1A <sup>†</sup>
				Brass	Tin	3000C 27-1E <sup>†</sup>
				Brass	.0002 Tin	3000C 27-1Y <sup>†</sup>
				Brass	Tin	3000C 27-1W <sup>†</sup>
				Brass	Silver	3000C 27-1L <sup>†</sup>
				Brass	--	3000C 27-1A3
				Brass	Tin	3000C 27-1H
				Brass	Silver	3000C 27-1P
				Brass	Zinc	3000C 27-1AY
				Brass	--	3000C 27-1R <sup>††</sup>
				Brass	--	3000C 27-1Q*
				Brass	Tin	3000C 27-2**
			Flat	Brass	--	3000C 27-1N3-3 <sup>†</sup>
				Brass	Tin	3000C 27-1N3-2 <sup>†</sup>
30	Brass	Tin	3000M 631B			
	Brass	--	3000C 27-1A10			
45	Brass	Tin	3000C 27-1A6			
	Brass	--	3000C 27-1B5 <sup>†</sup>			
90	Brass	Tin	3000C 27-1A4 <sup>†</sup>			
	Brass	--	3000C 27-1A9 <sup>†</sup>			
.188	Brass	--	3000C 27-1A7			
	Brass	Tin	3000C 27-1A8			
Flat	Brass	--	3000C 27-1N3-1 <sup>†</sup>			
	Brass	Tin	3000C 27-1N3 <sup>†</sup>			
.202	Brass	--	3000C 27-1S <sup>†</sup>			
	Brass	Tin	3000C 27-1S1 <sup>†</sup>			
.252	90	Brass	--	3000C 27-1A1 <sup>†</sup>		

† No Anti-Rotation Lugs  
 †† 1 - .125 Hole at Detent  
 \* 4 - Anchor Pts. with Ht. of .012  
 \*\* 2 - .072 Hole Detents



.250 x .032	.130	90	Brass	--	3000C 27-1M
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# .250 Quick-Connect Series | Stationary Male Terminals

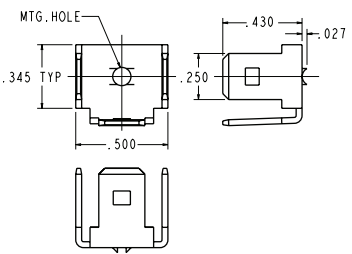
Two Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.124	90	Brass	--	3000M 749A
				Brass	Tin	3000M 749
	.250 x .032	.125	90	Brass	--	3000M 602
			90	Brass	Tin	3000M 602A
	.250 x .032	.136	90	Brass	--	3000M 362Q
				Brass	--	3000M 362
				Brass	Tin	3000M 362S
				Brass	Nickel	3000M 362J
				Brass	Silver	3000M 362-1
				Brass	Zinc	3000M 362-2
	.250 x .032	.097	90	Brass	Tin	3000M 642-1
				Brass	--	3000M 642
				Brass	Tin	3000M 642A
	.250 x .032	.158	90	Brass	--	3000M 515 <sup>†</sup>
				Brass	Tin	3000M 515A <sup>†</sup>
† 4 Anchor Points						
	.250 x .032	.130	90	Brass	--	3000M 669AB <sup>†</sup>
				Brass	Tin	3000M 669 <sup>†</sup>
† 4 Anchor Points						
	.250 x .032	.130	45	Brass	--	2800-11-35 <sup>†</sup>
† Anti-Rotation Lugs						

# .250 Quick-Connect Series | Stationary Male Terminals

Three Tab

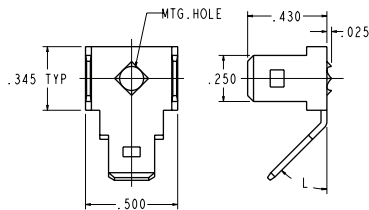
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER		
	.250 x .032		88	Brass	--	3000M 48G <sup>†</sup>		
			.099	88	Brass	Tin	3000M 48G-4 <sup>†</sup>	
				88	Brass	--	3000M 48G-1 <sup>††</sup>	
				88	Brass	--	3000M 48	
				88	Brass	--	3000M 48C	
				88	Brass	Tin	3000M 48Q	
				88	Brass	Nickel	3000M 683	
				.130	88	Brass	--	3000M 48-2 <sup>†</sup>
					88	Brass	Tin	3000M 48-2A <sup>†</sup>
					88	Brass	--	3000M 48V <sup>††</sup>
					88	Brass	Tin	3000M 48-2B <sup>††</sup>
					88	Brass	Tin	3000M 48C-1 <sup>*</sup>
				.154	88	Brass	Tin	3000M 48L <sup>†</sup>
					88	Brass	Tin	3000M 48L-1
					88	Bronze	Tin	3000M 48L-4
				.190	88	Brass	--	3000M 48K <sup>†</sup>
					88	Brass	Tin	3000M 48K-1 <sup>†</sup>
				.194	3@45	Brass	--	3000M 48-3 <sup>†</sup>
	.200	88	Brass	Tin	3000M 48K-2 <sup>†</sup>			

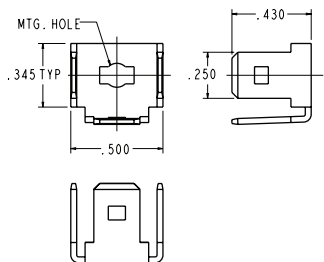
† No Anti-Rotation Lugs

†† Anti-Rotation Lugs Inside and Rotated 90°

\* 3 - .070 Detent Holes

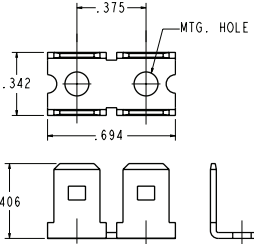
	.250 x .032		.130	45	Brass	--	3000M 48Y
			.154	88	Brass	Tin	3000M 48L-3 <sup>†</sup>
			.170	88	Brass	--	3000M 48Z

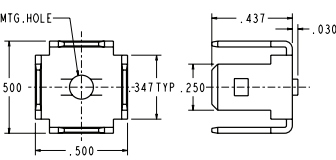
† 4 Anchoring Points

	.250 x .032		.130	88	Brass	--	3000M 48M
				88	Brass	Silver	3000M 48M-1

# .250 Quick-Connect Series | Stationary Male Terminals

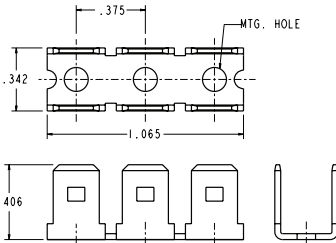
Four Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	MATERIAL	FINISH	PART NUMBER
 <p>† 4 Tabs @ 45°                      †† 4 Detent Holes                      * Flat                      * One Extruded Hole                      ** 2 Opposing Tabs formed @ 60°</p>	.250 x .032	.130	Brass	--	3000C 25-3
			Brass	Tin	3000C 25-3G
			Brass	Silver	3000C 25-3C
			Brass	--	3000C 25-3-45 <sup>†</sup>
			Brass	Tin	3000C 25-5 <sup>††</sup>
			Brass	--	3000C 25-3N <sup>†</sup>
			Brass	Tin	3000C 25-3N1 <sup>†</sup>
			Brass	--	3000C 25-3R <sup>**</sup>
			Brass	--	3000C 25-3Z <sup>*</sup>
			Brass	--	3000C 25-3S
Brass	Tin	3000C 25-3S1			

 <p>† Square Mounting Holes                      * Less Anti-Rotation Lugs</p>	.250 x .032	.130	Brass	--	3000C 805-4
			Brass	Tin	3000C 805-4A
			Brass	Silver	3000C 805-4B
			Brass	Pre Tinned	3000C 805-4D
			Brass	--	3000C 805-4C <sup>†</sup>
			Brass	Tin	3000C 805-4C1 <sup>†</sup>
			Brass	Pre Tinned	3000C 805-4C2 <sup>†</sup>
			Brass	--	3000C 805-4E <sup>†</sup>
Brass	Tin	3000C 805-4E1 <sup>†</sup>			

# .250 Quick-Connect Series | Stationary Male Terminals

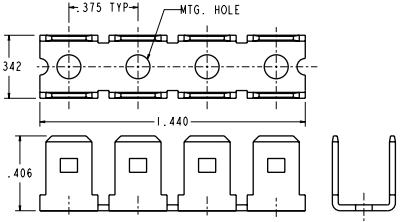
Six Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	MATERIAL	FINISH	PART NUMBER
 <p>† Tabs Formed @ 30°                      †† Flat                      * One End Hole Extruded</p>	.250 x .032	.130	Brass	--	3000C 29-2
			Brass	Tin	3000C 29-2J
			Brass	.002 Tin	3000C 29-2Y
			Brass	Silver	3000C 29-2B
			Brass	--	3000C 29-2C <sup>†</sup>
			Brass	--	3000C 29-2R <sup>††</sup>
			Brass	--	3000C 29-2W <sup>†</sup>
			Brass	Tin	3000C 29-2J1
			Brass	--	3000C 29-2
			Brass	Tin	3000C 29-2J

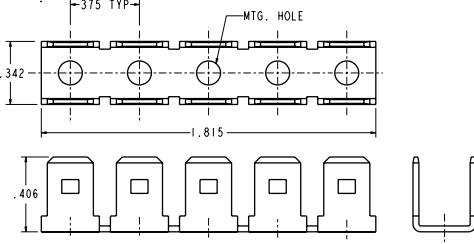
# .250 Quick-Connect Series | Stationary Male Terminals

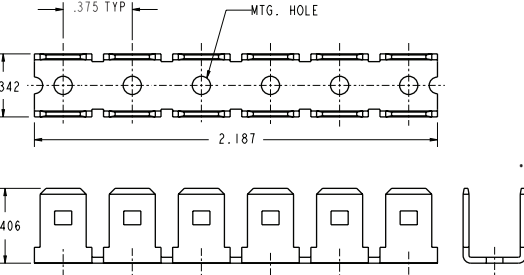
Multi-Tab

To Accept .250 x .032 Female Quick-Connects

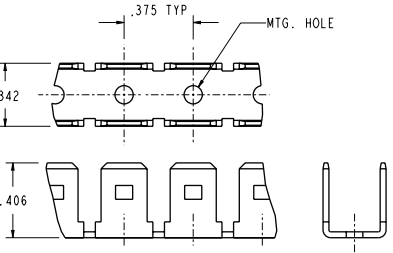
STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER	
	.250 x .032	.130	45	Brass	--	3000C 70-3N	
			60/90	Brass	--	3000C 70-3C†	
			90	Brass	--	3000C 70-3	
			90	Brass	Tin	3000C 70-3D	
			90	Brass	Silver	3000C 70-3E	
			90	Brass	Zinc	3000C 70-3M	
			90	Brass	--	3000C 70-3G††	
			90	Brass	--	3000C 70-3J*†	
			.140	90	Brass	Tin	3000C 70-3D1

† Alternate Tabs Formed @60°  
 †† Tabs on One Side Only  
 \* One End Hole Extruded

	.250 x .032	.130	90	Brass	--	3000M 25
			90	Brass	Tin	3000M 25-1

	.250 x .032	.130	.099	90	Brass	--	3000M 22B
				Flat	Brass	--	3000M 22K
				60/90	Brass	--	3000M 22F†
				90	Brass	--	3000M 22
				90	Brass	Tin	3000M 22-1

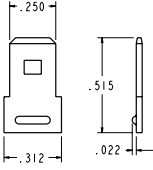
† Alternate Tabs Formed @60°

	.250 x .032	.130	90	Brass	--	3000M 505*
			90	Brass	Pre Tinned	3000M 505B*

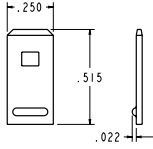
\*Parts 3000M505 and 3000M505B are supplied on continuous reels of approx. 1500 pairs or 3000 blades per reel. Also available in strips of several pairs or more. In ordering these strips, add a dash and then the number of pairs required. i.e. 3000M505-11 will have 11 pairs of blades or 22 blades.

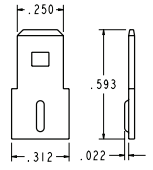
# .250 Quick-Connect Series | Stationary Male Terminals

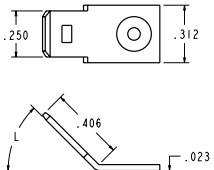
Single Weld Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	Flat	Steel	Nickel	3000M 23A1
		Flat	Steel	--	3000M 23A18
		Flat	Steel	Nickel	3000M 23A14 <sup>††</sup>
		Flat	Steel	Nickel	3000M 23A16 <sup>††</sup>

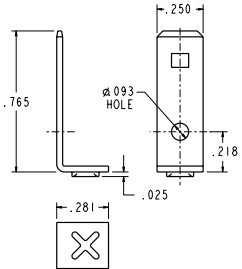
† .140 Long Slot  
†† No Weld Bump  
\* Base Width .281

	.250 x .032	Flat	Steel	Nickel	3000M 23A17
		Flat	Steel	--	3000M 23A19

	.250 x .032	Flat	Steel	Nickel	3000M 436
--	-------------	------	-------	--------	-----------

	.250 x .032	Flat	Steel	Nickel	3000M 292C
		Flat	Steel	Nickel	3000M 292C1 <sup>†</sup>
		45	Steel	--	3000M 292A
		45	Steel	Nickel	3000M 292A1
		45	Steel	Silver	3000M 292AG
		90	Steel	--	3000M 292A2
		90	Steel	Nickel	3000M 292

† .070 Detent Hole

	.250 x .032	90	Brass	Tin	3000M 438
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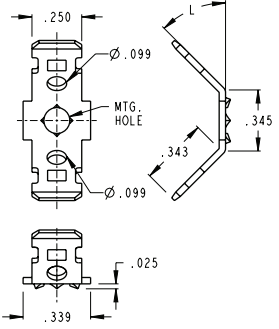
# .250 Quick-Connect Series Stationary Male/Female Terminals

P.C. Board Mount Miscellaneous  
Configurations To Accept .250 x .032  
Female/Male Quick-Connects

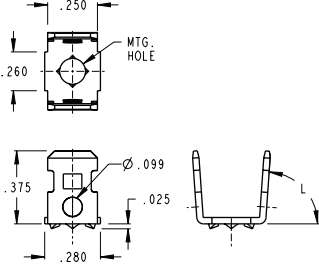
STYLE AND DIMENSION	TAB SIZE (UL 310)	REC'D BD. THICKNESS	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.062/.093	Brass	--	3000M 727AB†
			Brass	--	3000M 727AB-1
			Brass	Pre Tinned	3000M 727A†
			Brass	Pre Tinned	3000M 727A-1
			Brass	Tin	3000M 727AD†
			Brass	Tin	3000M 727AD-1
Rec'd Board Mtg.: .080x.180 slot or .200 dia. hole † Supplied in Continuous Reel Form					
	.250 x .032	.062/.093	Brass	--	3000M 728AB†
			Brass	--	3000M 728AB-1
			Brass	Pre Tinned	3000M 728A†
			Brass	Pre Tinned	3000M 728A-1
Rec'd Board Mtg.: .080x.180 slot or .200 dia. hole † Supplied in Continuous Reel Form					
	.250 x .032	.062	Brass	--	3000M 525D
			Brass	Tin	3000M 525C
		.093	Brass	Pre Hot Tinned	3000M 525E
			Brass	Tin	3000M 525F†
			Brass	--	3000M 525B
Brass	Tin	3000M 525			
	.250 x .032	.062/.093	Brass	--	3000M 726AB†
			Brass	--	3000M 726AB-1
			Brass	Tin	3000M 726AD†
			Brass	Tin	3000M 726AD-1
Rec'd Board Mtg.: .080x.180 slot or .200 dia. hole † Supplied in Continuous Reel Form					
	.250 x .032	.062/.093	Brass	--	3000M 725AB
			Brass	Pre Tinned	3000M 725A
			Brass	Tin	3000M 725AD
	--	.062 .093	Brass	Pre Tinned	3000H 39A†
			Brass	Pre Tinned	3000H 39
† Stock Thickness .020					
	--	.062/.093	Brass	Pre Tinned	3800H 19A†
			Brass	--	3800H 19AB†
† Stock Thickness .016					

# .250 Quick-Connect Series Stationary Male Terminals

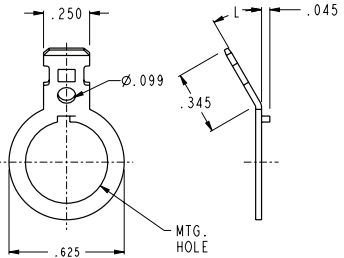
Adaptor Terminals  
Miscellaneous Configurations  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	45	Brass	Tin	3000M 300A-6
			45	Brass	Tin	3000M 300A-7†
			86	Brass	Tin	3000M 300A-2
			86	Brass	Tin	3000M 300A-3†
			45	Brass	Tin	3000M 300A-4
		.158	45	Brass	Tin	3000M 300A-5†
			86	Brass	--	3000M 300A-14
			86	Brass	Tin	3000M 300A-14A
			86	Brass	Tin	3000M 300A
			86	Brass	Tin	3000M 300A-1†
.173	86	Brass	Tin	3000M 300A-9†		

† No Anchor Points

	.250 x .032	.130	86	Brass	Nickel	3000M 300A-8F†	
			.158	86	Brass	--	3000M 300A-8D
				86	Brass	Tin	3000M 300A-8B

† No Anchor Points

	.250 x .032	.187	90	Brass	--	3000M 485D-1	
			30	Brass	--	3000M 485E	
			30	Brass	Tin	3000M 485A	
			.445	45	Brass	--	3000M 485F
				45	Brass	Tin	3000M 485B
				90	Brass	--	3000M 485D
				90	Brass	Tin	3000M 485

# .250 Quick-Connect Series Stationary Female Screw Terminals

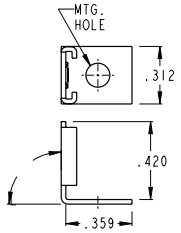
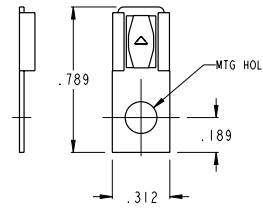
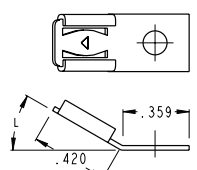
Single Female  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	SCREW SIZE	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER						
	.250 x .032	--	6/32	Flat	Brass	--	3000H 6A-3B <sup>†</sup>						
				Flat	Brass	--	3000H 6A-3D <sup>††</sup>						
				Flat	Brass	Tin	3000H 6A-3D1 <sup>††</sup>						
				40	Brass	--	3000H 6-1D <sup>†</sup>						
				40	Brass	--	3000H 6-1E <sup>††</sup>						
				40	Brass	Tin	3000H 6-1E1 <sup>††</sup>						
				90	Brass	--	3000H 6-8B <sup>†</sup>						
				90	Brass	--	3000H 6-8C <sup>††</sup>						
				90	Brass	Tin	3000H 6-8C1 <sup>††</sup>						
				Flat	Brass	--	3000H 6A-3A <sup>†</sup>						
				Flat	Brass	--	3000H 6-3C <sup>††</sup>						
					--	8/32	Flat	Brass	Tin	3000H 6-3C1 <sup>††</sup>			
							90	Brass	Nickel	3000H 6-8E1 <sup>††</sup>			
							90	Brass	Tin	3000H 6-8E5 <sup>††</sup>			
								--	10/32	40	Brass	--	3000H 6-1K3 <sup>††</sup>
										40	Brass	Zinc	3000H 6-1K <sup>††</sup>
										40	Brass	Tin	3000H 6-1K1 <sup>††</sup>
					.250 x .032	--	6/32 x .250	Flat	Brass	--	3000S 22		
Flat	Brass	Tin	3000S 22A										
40	Brass	--	3000H 6-1G1										
40	Brass	Tin	3000H 6-1G										
90	Brass	--	3000S 25										
90	Brass	Tin	3000S 25A										
	.250 x .032	--	8/32 x .250					Flat	Brass	--	3000S 21		
								Flat	Brass	Tin	3000S 21A		
								40	Brass	--	3000S 55AB		
								40	Brass	Tin	3000S 55		
				90	Brass	--	3000S 25B						
				90	Brass	Tin	3000S 25C						
	.250 x .032	.130	--	Flat	Brass	--	3000H 6-3						
				Flat	Brass	Tin	3000H 6-3A						
				90	Brass	--	3000H 6-4						
				90	Brass	Tin	3000H 6-4A						
					.250 x .032	.130	--	Flat	Brass	--	3000H 6-2		
Flat	Brass	Tin	3000H 6-26										
30	Brass	--	3000H 6-28A										
30	Brass	Tin	3000H 6-28										
90	Brass	--	3000H 6-7B										
90	Brass	Tin	3000H 6-7										
90	Brass	Nickel	3000H 6-7C										

† For Self-Tapping Screw  
†† Tapped Hole

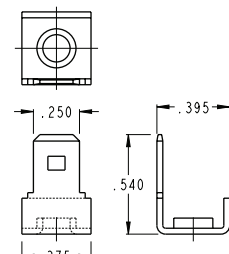
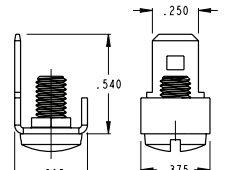
# .250 Quick-Connect Series | Stationary Female Screw Terminals

Single Female  
To Accept .250 x .032 Male Tab

STYLE AND DIMENSION	MATING TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	90	Brass	--	3000H 6
			90	Brass	Tin	3000H 6-24
			90	Brass	--	3000H 6-6*
			90	Brass	Tin	3000H 6-6A*
			.171	90	Brass	--
	.250 x .032	.130	Flat	Brass	--	3000H 6A
			Flat	Brass	Tin	3000H 6-30
		.197	Flat	Brass	--	3000H 6A-4
			Flat	Brass	Tin	3000H 6A-4T
	.250 x .032	.172	30	Brass	--	3000H 6A-4B
			30	Brass	Tin	3000H 6A-4B-1
		.197	30	Brass	--	3000H 6A-4A
			30	Brass	Nickel	3000H 6A-4A2

# .250 Quick-Connect Series Stationary Male Screw Terminals

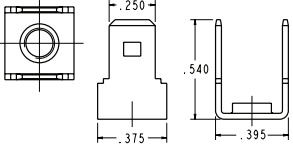
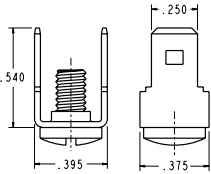
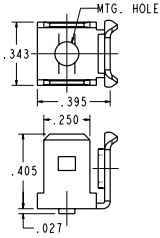
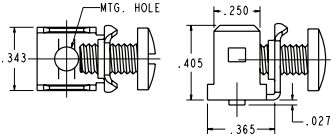
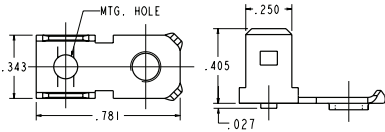
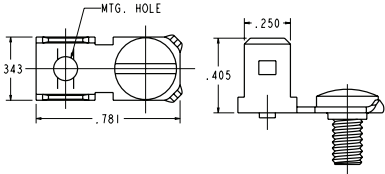
Single Tab  
To Accept .250 x .032 Female Quick Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	SCREW SIZE	MATERIAL	FINISH	PART NUMBER
	.250 x .032	8/32	Brass	--	3000M 662E
			Brass	Tin	3000M 662F
		10/32	Brass	--	3000M 662G
			Brass	Tin	3000M 662H
	.250 x .032	8/32 x .250	Brass	--	3800S 311
			Brass	Tin	3800S 311A
		8/32 x .312	Brass	--	3800S 304
			Brass	Tin	3800S 305
		10/32 x .312	Brass	--	3800S 306
			Brass	Tin	3800S 307

# .250 Quick-Connect Series | Stationary Male Screw Terminals

Two Tab

To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	SCREW SIZE	MATERIAL	FINISH	PART NUMBER
	.250 x .032	--	8/32	Brass	--	3000M 662A
				Brass	Tin	3000M 662B
			10/32	Brass	--	3000M 662C
				Brass	Tin	3000M 662D
	.250 x .032	--	8/32 x .312	Brass	--	3800S 300
				Brass	Tin	3800S 301
			10/32 x .312	Brass	--	3800S 302
				Brass	Tin	3800S 303
	.250 x .032	.130	6/32	Brass	--	3000M 541A
				Brass	Tin	3000M 541A-1
				Phos. Bronze	Tin	3000M 541-1A
				Brass	--	3000M 541A-2 <sup>†</sup>
			8/32	Brass	Tin	3000M 541A-2-1 <sup>†</sup>
				Brass	--	3000M 541B
				Brass	Tin	3000M 541B-1
				Phos. Bronze	Tin	3000M 541-1B
			10/32	Brass	--	3000M 541B-2 <sup>†</sup>
				Brass	Tin	3000M 541B-2-1 <sup>†</sup>
				Brass	--	3000M 541C
				Brass	Tin	3000M 541C-1
10/32	Phos. Bronze	Tin	3000M 541-1C			
	Brass	--	3000M 541C-2 <sup>†</sup>			
	Brass	Tin	3000M 541C-2-1 <sup>†</sup>			
	.250 x .032	.130	8/32 x .250	Brass	--	3800S 313
				Brass	Tin	3800S 313A
	.250 x .032	.130	8/32	Brass	--	3000M 702
				Brass	Tin	3000M 702-1
	.250 x .032	.130	8/32 x .250	Brass	--	3800S 327
				Brass	Tin	3800S 327A

<sup>†</sup>Less Anti-Rotation Lugs

# .250 Quick-Connect Series | Stationary Male Screw Terminals

Two Tab  
To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	SCREW SIZE	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	10/32	Brass	--	3000M 701
				Brass	Tin	3000M 701-1
	.250 x .032	.130	10/32 x .312	Brass	--	3800S 332
				Brass	Tin	3800S 332C
				Brass	--	3800S 332B†
				Brass	Tin	3800S 332D†

†Less Anti-Rotation Lugs

# .250 Quick-Connect Series | Stationary Male Screw Terminals

Three Tab  
To Accept .250 x .032 Female Quick Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	SCREW SIZE	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	8/32	Brass	--	3000M 638
				Brass	Tin	3000M 638-1
			10/32	Brass	--	3000M 673
				Brass	Tin	3000M 673A

# .250 Quick-Connect Series | Stationary Male Screw Terminals

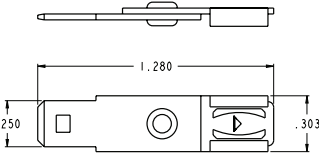
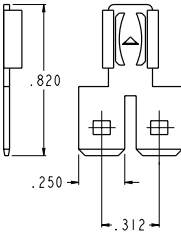
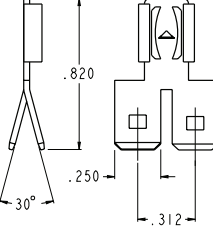
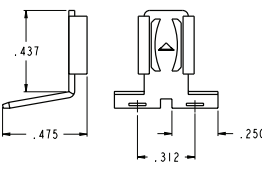
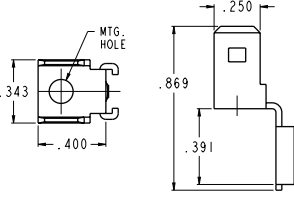
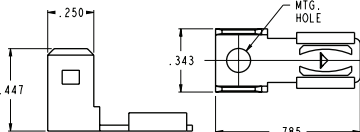
Four Tab

To Accept .250 x .032 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	SCREW SIZE	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	6/32	Brass	--	3000M 540A
				Brass	Tin	3000M 540A-1
				Phos. Bronze	Tin	3000M 540-1A
			8/32	Brass	--	3000M 540B
				Brass	Tin	3000M 540B-1
				Phos. Bronze	Tin	3000M 540-1B
			10/32	Brass	--	3000M 540C
				Brass	Tin	3000M 540C-1
				Phos. Bronze	Tin	3000M 540-1C
	.250 x .032	.130	8/32 x .250	Brass	--	3800S 312
				Brass	Tin	3800S 312A
	.250 x .032	.130	8/32	Brass	--	3000M 703
				Brass	Tin	3000M 703-1
	.250 x .032	.130	8/32 x .250	Brass	--	3800S 326
				Brass	Tin	3800S 329

# .250 Quick-Connect Series Stationary Male/Female Terminals

Adaptors  
To Mate w/ .250 x .032  
Male/Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	MATERIAL	FINISH	PART NUMBER
	.250 x .032	--	Brass	--	3000S 79
			Brass	Tin	3000S 79A
	.250 x .032	--	Brass	--	3000S 41B
			Brass	Tin	3000S 41
			Brass	Nickel	3000S 41E
			Brass	Silver	3000S 41G
	.250 x .032	--	Brass	--	3000S 41J
			Brass	Tin	3000S 41K
	.250 x .032	--	Brass	--	3000S 41B-2
			Brass	Tin	3000S 41B-1
	.250 x .032	.130	Brass	--	3000S 5-1
			Brass	Tin	3000S 5-2
			Brass	Silver	3000S 5-3
			Brass	Nickel	3000S 5-4
	.250 x .032	.130	Brass	--	3800S 10-1
			Brass	Tin	3800S 10-4



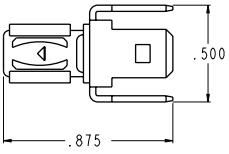
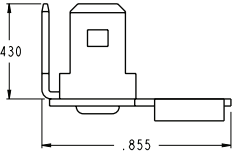
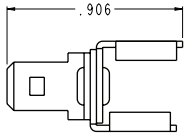
# .250 Quick-Connect Series | Stationary Male/Female Terminals

Adaptors  
To Mate w/.250 x .032  
Male/Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	MATERIAL	FINISH	PART NUMBER
	.250 x .032	.130	Brass	--	3000S 10-2
			Brass	Tin	3000S 10-2B
	.250 x .032	.130	Brass	--	3000S 10-3
			Brass	Tin	3000S 10-5
	.250 x .032	.130	Brass	--	3000S 85 <sup>†</sup>
			Brass	--	3000S 86
†Less Anti-Rotation Lugs					
	.250 x .032	.130	Brass	--	3000S 11-1
			Brass	Tin	3000S 11-1A
	.250 x .032	.130	Brass	--	3000S 11-2
			Brass	Tin	3000S 11-3

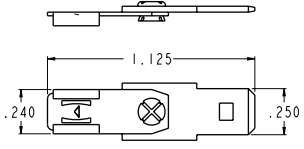
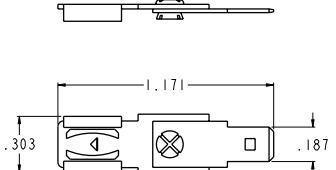
# .250 Quick-Connect Series | Stationary Male/Female Terminals

Adaptors  
To Mate w/.250 x .032  
Male/Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MATERIAL	FINISH	PART NUMBER
	.250 x .032	Brass	--	3000S 14
	.250 x .032	Brass	--	3000S 14A
		Brass	Tin	3000S 14B
		Brass	Nickel	3000S 14C
	.250 x .032	Brass	--	3000S 78AB
		Brass	Tin	3000S 78

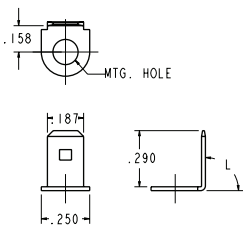
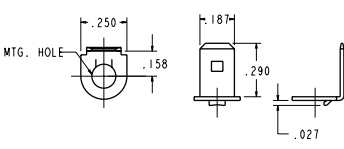
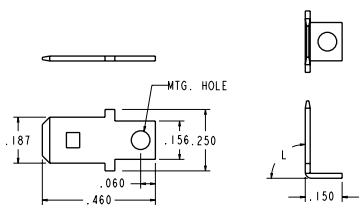
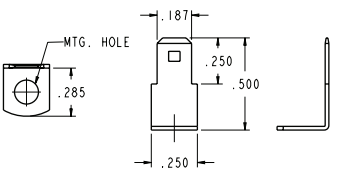
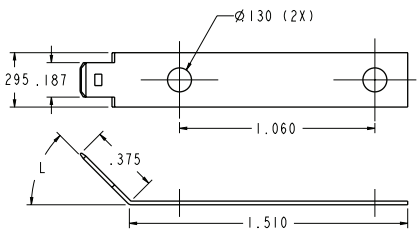
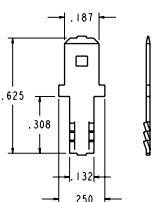
# .250/.187 Quick-Connect Series Stationary Male/Female Terminals

Adaptors  
To Mate w/either .250/.187  
Male or Female Quick-Connects

STYLE AND DIMENSION		MATERIAL	FINISH	PART NUMBER
	To Accept .250 x .032 Female .187 x .020 Male	Brass	--	3000S 113AB
		Brass	Tin	3000S 113
	To Accept .187 x .020 Female .250 x .032 Male	Brass	--	3000S 76
		Brass	Tin	3000S 76A

# .187 Quick-Connect Series Stationary Male Terminals

Single Tab  
To Accept .187 x .020 Female Quick-Connects

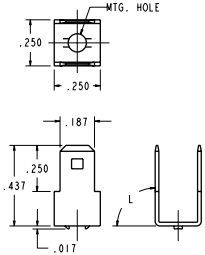
STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER	
	.187 x .020	.130	.099	90	Brass	--	3500M 30G
			90	Brass	Tin	3500M 30N	
			Flat	Brass	--	3500M 30H <sup>††</sup>	
			Flat	Brass	Tin	3500M 30H-1 <sup>††</sup>	
			60	Brass	Tin	3500M 30R	
			90	Brass	--	3500M 30	
			90	Brass	Tin	3500M 30M	
			90	Brass	.00015 Electrotin	3500M 30E <sup>†</sup>	
			Flat	Brass	--	3500M 30L <sup>††</sup>	
			.145	90	Brass	--	3500M 30F
	90	Brass	Tin	3500M 30P			
	.158	90	Brass	--	3500M 30D		
	.187 x .020	.130	Flat	Brass	--	3500M 30A-1 <sup>††</sup>	
			Flat	Brass	Tin	3500M 30A-2 <sup>††</sup>	
			90	Brass	--	3500M 30A	
	.187 x .020	.076	Flat	Brass	--	3500M 81	
			Flat	Brass	Tin	3500M 81C	
			90	Brass	--	3500M 81A	
	.187 x .020	.130	90	Brass	--	3500M 82	
			90	Brass	Tin	3500M 82-1	
	.187 x .020	--	45	Brass	--	3500M 95	
	.187 x .020	--	--	Brass	Pre Tinned	3500M 104	

† .062 Hole Detent  
†† .580 Long

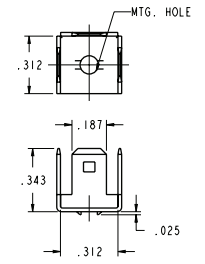
†† .580 Long

# .187 Quick-Connect Series Stationary Male Terminals

Two Tab  
To Accept .187 x .020 Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MTG. HOLE DIA. (IN)	TAB ANGLE "L"	MATERIAL	FINISH	PART NUMBER	
	.187 x .020	.099		Flat	Brass	---	3500M 84-7 <sup>†*</sup>
				Flat	Brass	Tin	3500M 84-6 <sup>†*</sup>
				15	Brass	---	3500M 84-5
				15	Brass	Tin	3500M 84-2
				45	Brass	---	3500M 84-4
				45	Brass	Tin	3500M 84-1
				90	Brass	---	3500M 84-3
				90	Brass	Tin	3500M 84
				90	Brass	---	3500M 84-8 <sup>††</sup>

† Less Anti-Rotation Lugs  
†† Continuous Reel form  
\* 1.055 Long

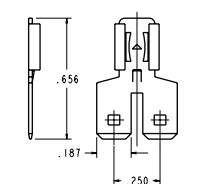
	.187 x .020	.099	---	Brass	---	3500M 27
				Brass	Tin	3500M 27-1 <sup>†</sup>
				Brass	---	3500M 27D
				Brass	Tin	3500M 27C

† Less Anti-Rotation Lugs

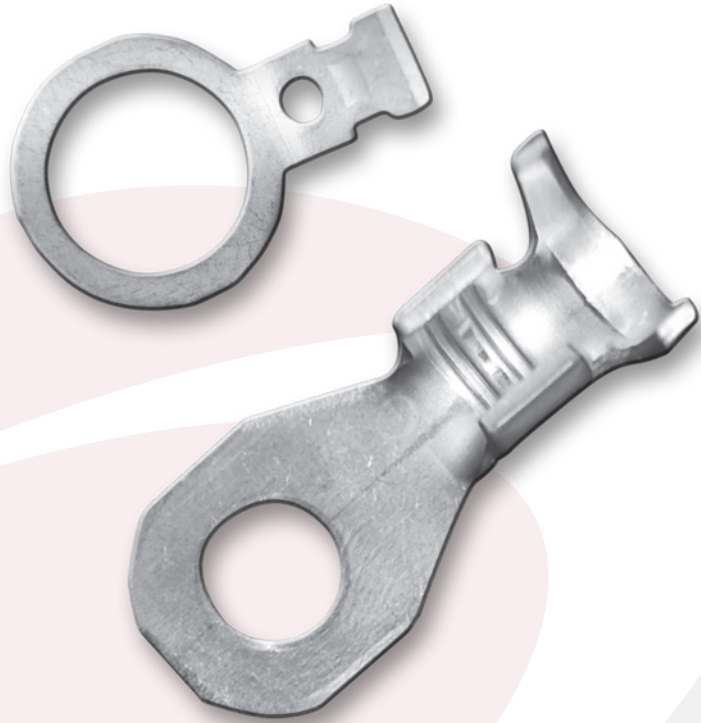
† Anti-Rotation Lugs

# .187 Quick-Connect Series Stationary Male/Female Terminals

Adaptors  
To Mate w/.187 x .020  
Male/Female Quick-Connects

STYLE AND DIMENSION	TAB SIZE (UL 310)	MATERIAL	FINISH	PART NUMBER
	.187 x .020	Brass	---	3500S 41B
		Brass	Tin	3500S 41

# 5 Spade and Ring Series Uninsulated



## **Uninsulated Spade and Ring Series**

- | Spade
- | Flanged Spade
- | Notched Spade
- | Ring
- | Serrated Ring
- | Hook

## Product Guide

The following information and system is outlined to assist you in finding the UNINSULATED terminal best suited to meet your application.

- a. Determine the width needed to fit your space limitation, i.e., .240, .300, .375, etc.
- b. Determine what style UNINSULATED terminal is needed, i.e., spade, flanged spade, snap spade, square spade, ring or hook.
- c. Determine the stud size required.
- d. Determine wire size and insulation range.
- e. Determine whether you require an insulation support (grip) or not.
- f. For special variations please contact your local representative or the Ark-Les Customer Service Department.

### Numbering System

- a. For parts supplied in loose piece form, add the Suffix "-1" to the number. Example: 4000 3G2-8 becomes 4000 3G2-8-1.

Note. Not all part numbers are available in loose piece form. Therefore, contact the factory for verification.

### MATING STUD SIZES

STUD SIZE	STUD DIA. (IN.)	HOLE DIA. (IN.)
0	.060	.068
2	.086	.094
4	.112	.120
6	.138	.146
8	.164	.172
10	.190	.198
12	.216	.224
14	.242	.251
1/4	.250	.265
5/16	.312	.328
3/8	.375	.390
7/16	.437	.453
1/2	.500	.515

Note: Dimensions in this catalogue are subject to change. Therefore we suggest you secure up-to-date Ark-Les prints before assigning dimensions to your drawings.

## Performance Specifications

Ark-Les Spade and Ring terminals are precision-made from the finest materials available. They consistently exhibit superior electrical and mechanical performance, with temperature rise and millivolt drop characteristics among the lowest in the industry.

The following specifications are representative of the entire product line. Detailed test specifications for individual connector-terminal types will be furnished to Ark-Les customers on request.

### Quality Assurance

Ark-Les terminals are designed, manufactured and closely monitored through statistical process control to insure conformance on critical dimension.

### Temperature Rise

When tested in accordance with UL 310, the initial temperature rise shall not exceed 20°C (68°F).

### Operating Temperature

For normal service, terminals of unplated copper alloys will give satisfactory performance at temperatures up to 105°C (221°F).

Tin plated terminals will give satisfactory performance at temperatures up to 150°C (302°F)

Nickel plated steel terminations will give satisfactory performance at temperatures up to 340°C (644°F).

### Crimp (Tensile) Strength

When tested in accordance with UL 310.

WIRE SIZE AWG (mm <sup>2</sup> )	STRANDING	SPEC. FORCE (LBS) MIN.	TYPICAL ARK-LES UNIT FORCE (LBS)
22 (0.32)	7	8	17
20 (0.52)	10	13	24.7
18 (0.82)	16	20	37.3
16 (1.3)	26	30	61.6
14 (2.1)	7	50	85.6
12 (3.3)	7	70	91.8
10 (5.3)	7	80	105

### UL/CSA

Part numbers checked in listings are listed or recognized under the component recognition program of UL and/or CSA certified when applied by Ark-Les power terminating equipment.

## Partially Insulated Spade and Ring Series

### Dielectric Strength

The insulation of Ark-Les preinsulated terminals withstands 3400 VRMS when tested as specified in UL 310 (600 volt rating).

### Operating Temperature

Ark-Les preinsulated terminal are designed for use over an operating temperature range of -40°C (-40°F) to 105°C (221°F).

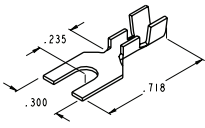
# Spade and Ring Series Uninsulated | Spade

.240 Spade  
22-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	0	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-00 4000 2A2-00
	2	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-2 4000 2A2-2
	4	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-4 4000 2A2-4
	6	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-6 4000 2A2-6
	0	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-0 4000 2A2-0
	2	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-1 4000 2A2-1
	4	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-3 4000 2A2-3
	6	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2A1-5 4000 2A2-5

# Spade and Ring Series Uninsulated | Spade

.300 Spade  
24-18 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-4-3 4000 3A2-4-3
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-6-3 4000 3A2-6-3
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-8-3 4000 3A2-8-3
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-10-3 4000 3A2-10-3
	4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-3-3 4000 3A2-3-3
	6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-5-3 4000 3A2-5-3
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-7-3 4000 3A2-7-3
	10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-9-3 4000 3A2-9-3

Note: UL and CSA Do Not Recognize 24 AWG Terminations.



# Spade and Ring Series Uninsulated | Spade

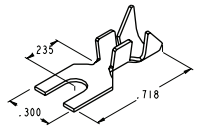
.300 Spade  
24-18 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-6-3 4000 A3A2-6-3
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-8-3 4000 A3A2-8-3
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-10-3 4000 A3A2-10-3
	6	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-5-3 4000 A3A2-5-3
	8	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-7-3 4000 A3A2-7-3
	10	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3A1-9-3 4000 A3A2-9-3

Note: UL and CSA Do Not Recognize 24 AWG Terminations.

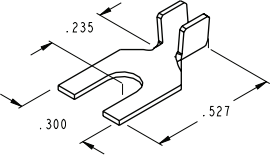
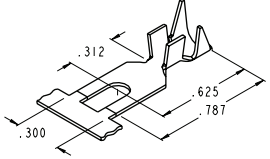
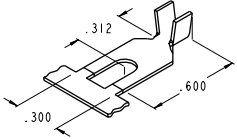
# Spade and Ring Series Uninsulated | Spade

.300 Spade  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-4 4000 3A2-4
						.032	Brass Pre Tinned Brass	4000 3A3-4 4000 3A4-4
						.020	Brass Pre Tinned Brass	4000 3A1-6 4000 3A2-6
							.032	Brass Pre Tinned Brass
	8	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3A1-8 4000 3A2-8
						.032	Brass Pre Tinned Brass	4000 3A3-8 4000 3A4-8
						.020	Brass Pre Tinned Brass	4000 3A1-10 4000 3A2-10
							.032	Brass Pre Tinned Brass

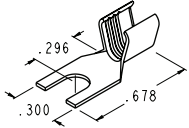
# Spade and Ring Series Uninsulated | Spade

.300 Spade  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3A1-3
							Pre Tinned Brass	4000 3A2-3
						.032	Brass	4000 3A3-3
							Pre Tinned Brass	4000 3A4-3
						.020	Brass	4000 3A1-5
							Pre Tinned Brass	4000 3A2-5
	.032	Brass	4000 3A3-5					
		Pre Tinned Brass	4000 3A4-5					
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3A1-7
							Pre Tinned Brass	4000 3A2-7
						.032	Brass	4000 3A3-7
							Pre Tinned Brass	4000 3A4-7
.020						Brass	4000 3A1-9	
						Pre Tinned Brass	4000 3A2-9	
.032	Brass	4000 3A3-9						
	Pre Tinned Brass	4000 3A4-9						
	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3A1-6	
						Pre Tinned Brass	4000 A3A2-6	
					.020	Brass	4000 A3A1-8	
						Pre Tinned Brass	4000 A3A2-8	
					.020	Brass	4000 A3A1-10	
						Pre Tinned Brass	4000 A3A2-10	
	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3A1-5	
						Pre Tinned Brass	4000 A3A2-5	
					.020	Brass	4000 A3A1-7	
						Pre Tinned Brass	4000 A3A2-7	
					.020	Brass	4000 A3A1-9	
						Pre Tinned Brass	4000 A3A2-9	

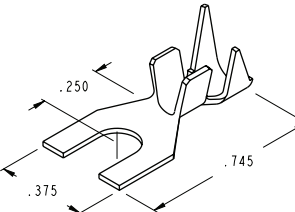
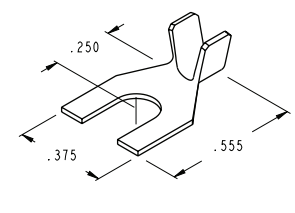
# Spade and Ring Series Uninsulated | Spade

.300 Spade  
12-10 AWG - Barrel Grip

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	8	None	—	2500	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	3800M 24
							Pre Tinned Brass	3800M 24AA
	10	None	—	2500	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	3800M 24A
							Pre Tinned Brass	3800M 24P
						.032	Brass	3800M 33AB
							Pre Tinned Brass	3800M 33

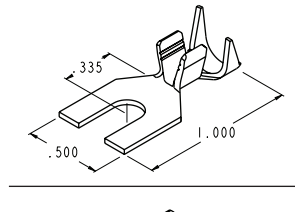
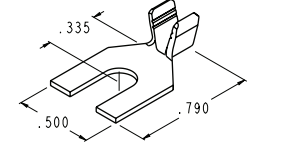
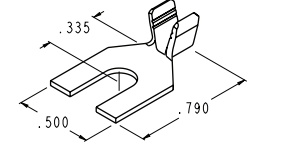
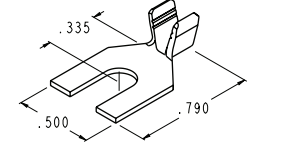
# Spade and Ring Series Uninsulated | Spade

.375 Spade  
20-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-6
							Pre Tinned Brass	4000 4A2-6
	8	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4A3-6
							Pre Tinned Brass	4000 4A4-6
	10	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-8
							Pre Tinned Brass	4000 4A2-8
8	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4A3-8	
						Pre Tinned Brass	4000 4A4-8	
10	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-10	
						Pre Tinned Brass	4000 4A2-10	
	6	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-5
							Pre Tinned Brass	4000 4A2-5
	8	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4A3-5
							Pre Tinned Brass	4000 4A4-5
	10	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-7
							Pre Tinned Brass	4000 4A2-7
8	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4A3-7	
						Pre Tinned Brass	4000 4A4-7	
10	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4A1-9	
						Pre Tinned Brass	4000 4A2-9	
						.032	Brass	4000 4A3-9
							Pre Tinned Brass	4000 4A4-9

# Spade and Ring Series Uninsulated | Spade

.500 Spade  
14-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	10	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass	4000 5A3-10
							Pre Tinned Brass	4000 5A4-10
	1/4	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass	4000 5A3-12
							Pre Tinned Brass	4000 5A4-12
	10	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass	4000 5A3-9
							Pre Tinned Brass	4000 5A4-9
	1/4	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass	4000 5A3-11
							Pre Tinned Brass	4000 5A4-11

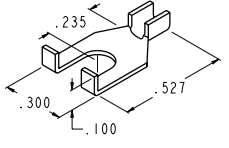
# Spade and Ring Series Uninsulated | Flanged Spade

.240 Flanged Spade  
22-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	0	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-00 4000 2B2-00
	2	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-2 4000 2B2-2
	4	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-4 4000 2B2-4
	6	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-6 4000 2B2-6
	0	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-0 4000 2B2-0
	2	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-1 4000 2B2-1
	4	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-3 4000 2B2-3
	6	None	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2B1-5 4000 2B2-5

# Spade and Ring Series Uninsulated | Flanged Spade

.300 Flanged Spade  
24-18 AWG

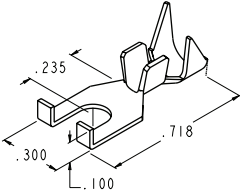
STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-4-3 4000 3B2-4-3
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-6-3 4000 3B2-6-3
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-8-3 4000 3B2-8-3
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-10-3 4000 3B2-10-3
	4	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-3-3 4000 3B2-3-3
	6	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-5-3 4000 3B2-5-3
	8	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-7-3 4000 3B2-7-3
	10	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3B1-9-3 4000 3B2-9-3

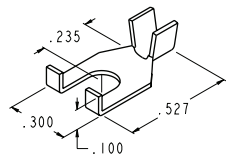
Note: UL and CSA Do Not Recognize 24 AWG Terminations.;

# Spade and Ring Series

## Uninsulated | Flanged Spade

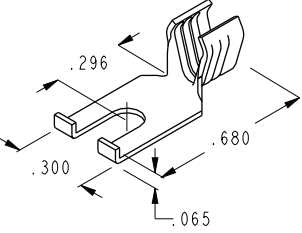
300 Flanged Spade  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER				
	4	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3B1-4				
							Pre Tinned Brass	4000 3B2-4				
						.032	Brass	4000 3B3-4				
							Pre Tinned Brass	4000 3B4-4				
						.020	Brass	4000 3B1-6				
							Pre Tinned Brass	4000 3B2-6				
	6	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.032	Brass	4000 3B3-6				
							Pre Tinned Brass	4000 3B4-6				
						.020	Brass	4000 3B1-8				
							Pre Tinned Brass	4000 3B2-8				
						.032	Brass	4000 3B3-8				
							Pre Tinned Brass	4000 3B4-8				
10	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3B1-10					
						Pre Tinned Brass	4000 3B2-10					
					.032	Brass	4000 3B3-10					
						Pre Tinned Brass	4000 3B4-10					
					4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3B1-3
											Pre Tinned Brass	4000 3B2-3
.032	Brass	4000 3B3-3										
	Pre Tinned Brass	4000 3B4-3										
.020	Brass	4000 3B1-5										
	Pre Tinned Brass	4000 3B2-5										
6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.032	Brass	4000 3B3-5					
						Pre Tinned Brass	4000 3B4-5					
					.020	Brass	4000 3B1-7					
						Pre Tinned Brass	4000 3B2-7					
					.032	Brass	4000 3B3-7					
						Pre Tinned Brass	4000 3B4-7					
8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3B1-9					
						Pre Tinned Brass	4000 3B2-9					
					.032	Brass	4000 3B3-9					
						Pre Tinned Brass	4000 3B4-9					
					10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3B1-9
											Pre Tinned Brass	4000 3B2-9
.032	Brass	4000 3B3-9										
	Pre Tinned Brass	4000 3B4-9										



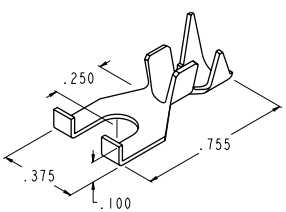
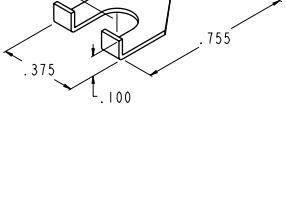
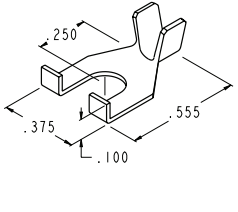
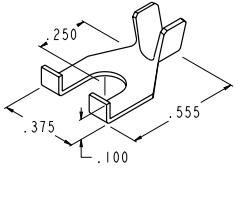
# Spade and Ring Series Uninsulated | Flanged Spade

.300 Flanged Spade  
10-12 AWG Barrel Grip

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	10	None	—	3000	$\frac{3}{32} \pm \frac{1}{32}$	.020	Brass	3800M 31
							Pre Tinned Brass	3800M 31A
						.032	Brass	3800M 34AB
							Pre Tinned Brass	3800M 34

# Spade and Ring Series Uninsulated | Flanged Spade

.375 Flanged Spade  
20-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4B1-6
							Pre Tinned Brass	4000 4B2-6
						.032	Brass	4000 4B3-6
							Pre Tinned Brass	4000 4B4-6
						.020	Brass	4000 4B1-8
							Pre Tinned Brass	4000 4B2-8
	8	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4B3-8
							Pre Tinned Brass	4000 4B4-8
						.020	Brass	4000 4B1-10
							Pre Tinned Brass	4000 4B2-10
						.032	Brass	4000 4B3-10
							Pre Tinned Brass	4000 4B4-10
	10	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4B1-5
							Pre Tinned Brass	4000 4B2-5
						.032	Brass	4000 4B3-5
							Pre Tinned Brass	4000 4B4-5
						.020	Brass	4000 4B1-7
							Pre Tinned Brass	4000 4B2-7
	8	None	✓✓	6000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4B3-7
							Pre Tinned Brass	4000 4B4-7
						.020	Brass	4000 4B1-9
							Pre Tinned Brass	4000 4B2-9
						.032	Brass	4000 4B3-9
							Pre Tinned Brass	4000 4B4-9

# Spade and Ring Series Uninsulated | Flanged Spade

.500 Flanged Spade  
14-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	10	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5B3-10 4000 5B4-10
	1/4	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5B3-12 4000 5B4-12
	10	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5B3-9 4000 5B4-9
	1/4	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5B3-11 4000 5B4-11

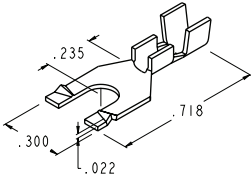
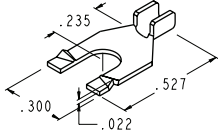
# Spade and Ring Series Uninsulated | Notched Spade

.240 Notched Spade  
22-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	0	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-00 4000 2C2-00
	2	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-2 4000 2C2-2
	4	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-4 4000 2C2-4
	0	None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-0 4000 2C2-0
	2	None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-1 4000 2C2-1
	4	None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2C1-3 4000 2C2-3

# Spade and Ring Series Uninsulated | Notched Spade

.300 Notched Spade  
24-18 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-4-3 4000 3C2-4-3
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-6-3 4000 3C2-6-3
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-8-3 4000 3C2-8-3
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-10-3 4000 3C2-10-3
	4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-3-3 4000 3C2-3-3
	6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-5-3 4000 3C2-5-3
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-7-3 4000 3C2-7-3
	10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-9-3 4000 3C2-9-3

Note: UL and CSA Do Not Recognize 24 AWG Terminations.;

# Spade and Ring Series Uninsulated | Notched Spade

.300 Notched Spade  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-4 4000 3C2-4
						.032	Brass Pre Tinned Brass	4000 3C3-4 4000 3C4-4
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-6 4000 3C2-6
						.032	Brass Pre Tinned Brass	4000 3C3-6 4000 3C4-6
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3C1-8 4000 3C2-8
						.032	Brass Pre Tinned Brass	4000 3C3-8 4000 3C4-8



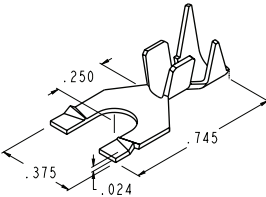
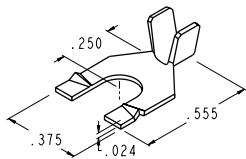
# Spade and Ring Series Uninsulated | Notched Spade

.300 Notched Spade  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	None	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3C1-3
							Pre Tinned Brass	4000 3C2-3
						.032	Brass	4000 3C3-3
							Pre Tinned Brass	4000 3C4-3
						.020	Brass	4000 3C1-5
							Pre Tinned Brass	4000 3C2-5
	6	None	✓✓	6000	$\frac{5}{32} \pm \frac{1}{32}$	.032	Brass	4000 3C3-5
							Pre Tinned Brass	4000 3C4-5
						.020	Brass	4000 3C1-7
							Pre Tinned Brass	4000 3C2-7
						.032	Brass	4000 3C3-7
							Pre Tinned Brass	4000 3C4-7

# Spade and Ring Series Uninsulated | Notched Spade

.375 Notched Spade  
20-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4C1-6
							Pre Tinned Brass	4000 4C2-6
						.032	Brass	4000 4C3-6
							Pre Tinned Brass	4000 4C4-6
						.020	Brass	4000 4C1-8
							Pre Tinned Brass	4000 4C2-8
	8	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4C3-8
							Pre Tinned Brass	4000 4C4-8
						.020	Brass	4000 4C1-10
							Pre Tinned Brass	4000 4C2-10
						.032	Brass	4000 4C3-10
							Pre Tinned Brass	4000 4C4-10
	6	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4C1-5
							Pre Tinned Brass	4000 4C2-5
						.032	Brass	4000 4C3-5
							Pre Tinned Brass	4000 4C4-5
						.020	Brass	4000 4C1-7
							Pre Tinned Brass	4000 4C2-7
	8	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4C3-7
							Pre Tinned Brass	4000 4C4-7
						.020	Brass	4000 4C1-9
							Pre Tinned Brass	4000 4C2-9
						.032	Brass	4000 4C3-9
							Pre Tinned Brass	4000 4C4-9

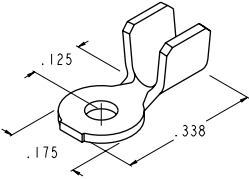
# Spade and Ring Series Uninsulated | Notched Spade

.500 Notched Spade  
14-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	10	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5C3-10 4000 5C4-10
	1/4	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5C3-12 4000 5C4-12
	10	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5C3-9 4000 5C4-9
	1/4	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5C3-11 4000 5C4-11

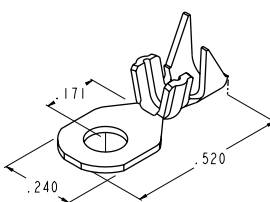
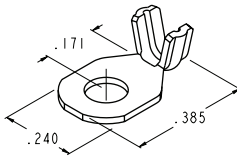
# Spade and Ring Series Uninsulated | Ring

.175 Ring  
22-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	0	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	40001 40002
	.083	None	--	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	40022
	2	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass Zinc Plated Brass	40005 40006 40007
	.115	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	40021
	3	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	40017 40018
	.130	None	--	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	3800M 87

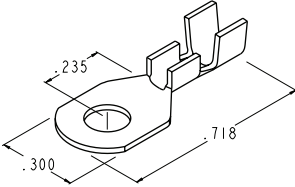
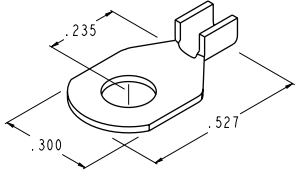
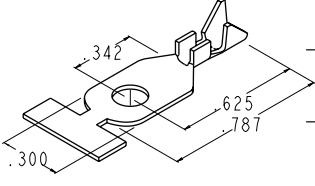
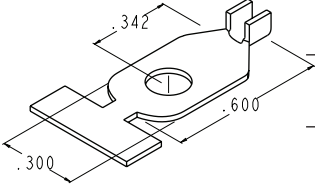
# Spade and Ring Series Uninsulated | Ring

.240 Ring  
22-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER	
	0	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-00 4000 2G2-00	
	.083	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-2A 4000 2G2-2A	
	2	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-2 4000 2G2-2	
	.101	.075-.125	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-4A 4000 2G2-4A	
	4	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-4 4000 2G2-4	
	.132	.075-.125	✓✓	7000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-6A 4000 2G2-6A	
	6	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-6 4000 2G2-6	
	8	.075-.125	✓✓	8000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-8 4000 2G2-8	
		0	None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-0 4000 2G2-0
		2	None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-1 4000 2G2-1
4		None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-3 4000 2G2-3	
.132		None	✓✓	10,000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-5A 4000 2G2-5A	
6		None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-5 4000 2G2-5	
8		None	✓✓	6000	$\frac{1}{8} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 2G1-7 4000 2G2-7	

# Spade and Ring Series Uninsulated | Ring

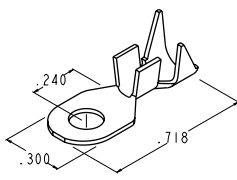
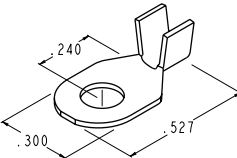
.300 Ring  
24-18 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-4-3 4000 3G2-4-3
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-6-3 4000 3G2-6-3
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-8-3 4000 3G2-8-3
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-10-3 4000 3G2-10-3
	4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-3-3 4000 3G2-3-3
	6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-5-3 4000 3G2-5-3
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G2-5-3AD 4000 3G1-7-3 4000 3G2-7-3
	10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 3G1-9-3 4000 3G2-9-3
	6	.075-.125	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-6-3 4000 A3G2-6-3
	8	.075-.125	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-8-3 4000 A3G2-8-3
	10	.075-.125	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-10-3 4000 A3G2-10-3
	6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-5-3 4000 A3G2-5-3
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-7-3 4000 A3G2-7-3
	10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass	4000 A3G1-9-3 4000 A3G2-9-3

Note: UL & CSA do not recognize 24 AWG Terminations.

# Spade and Ring Series Uninsulated | Ring

.300 Ring  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	4	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-4
							Pre Tinned Brass	4000 3G2-4
						.032	Brass	4000 3G3-4
							Pre Tinned Brass	4000 3G4-4
	6	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-6
							Pre Tinned Brass	4000 3G2-6
						.032	Brass	4000 3G3-6
							Pre Tinned Brass	4000 3G4-6
	8	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-8
							Brass	4000 3G1-8-2*
							Pre Tinned Brass	4000 3G2-8
							Pre Tinned Brass	4000 3G2-8-2*
.032						Brass	4000 3G3-8	
						Pre Tinned Brass	4000 3G4-8	
10	.075-.175	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-10	
						Pre Tinned Brass	4000 3G2-10	
						Nickel Plated Brass	4000 3G1-10-5	
					.032	Brass	4000 3G3-10	
	Pre Tinned Brass	4000 3G4-10						
	4	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-3
							Pre Tinned Brass	4000 3G2-3
						.032	Brass	4000 3G3-3
							Pre Tinned Brass	4000 3G4-3
	6	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-5
							Pre Tinned Brass	4000 3G2-5
						.032	Brass	4000 3G3-5
							Pre Tinned Brass	4000 3G4-5
	.154	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-5A
	8	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-7
							Pre Tinned Brass	4000 3G2-7
						.032	Brass	4000 3G3-7
						Pre Tinned Brass	4000 3G4-7	
10	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-9	
						Pre Tinned Brass	4000 3G2-9	
					.032	Brass	4000 3G3-9	
						Pre Tinned Brass	4000 3G4-9	
12	None	✓✓	7000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 3G1-15	
						Pre Tinned Brass	4000 3G2-15	

\*Diagonal Wire Grip

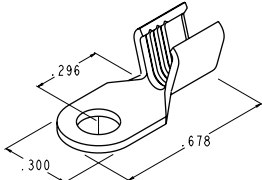
# Spade and Ring Series Uninsulated | Ring

.300 Ring  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-6
							Pre Tinned Brass	4000 A3G2-6
	8	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-8
							Pre Tinned Brass	4000 A3G2-8
	10	.075-.125	✓✓	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-10
							Pre Tinned Brass	4000 A3G2-10
	6	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-5
							Pre Tinned Brass	4000 A3G2-5
	8	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-7
							Pre Tinned Brass	4000 A3G2-7
	10	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3G1-9
							Pre Tinned Brass	4000 A3G2-9

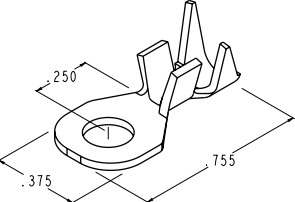
# Spade and Ring Series Uninsulated | Ring

.300 Ring  
12-10 AWG - Barrel Grip

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER	
	8	None	--	3000	$\frac{5}{32} \pm \frac{1}{32}$	.032	Brass	3800M 47AB	
							Pre Tinned Brass	3800M 47	
	10	None	--	3000	2500	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	3800M 23
								Pre Tinned Brass	3800M 23A
					3000	$\frac{5}{32} \pm \frac{1}{32}$	.032	Brass	3800M 32AB
								Pre Tinned Brass	3800M 32

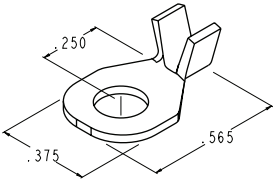
# Spade and Ring Series Uninsulated | Ring

.375 Ring  
20-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	.098	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-6A
							Pre Tinned Brass	4000 4G4-6A
	.112	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-8A
							Pre Tinned Brass	4000 4G4-8A
	6	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-6
							Pre Tinned Brass	4000 4G2-6
						.032	Brass	4000 4G3-6
							Pre Tinned Brass	4000 4G4-6
	8	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-8
							Pre Tinned Brass	4000 4G2-8
						.032	Brass	4000 4G3-8
							Pre Tinned Brass	4000 4G4-8
	10	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.040	Brass	4000 4G7-8
							Pre Tinned Brass	4000 4G8-8
						.020	Brass	4000 4G1-10
							Pre Tinned Brass	4000 4G2-10
	12	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-10
							Pre Tinned Brass	4000 4G4-10
						.040	Brass	4000 4G7-10
							Pre Tinned Brass	4000 4G8-10
	1/4	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-16
							Pre Tinned Brass	4000 4G2-16
						.032	Brass	4000 4G3-16
							Pre Tinned Brass	4000 4G4-16
1/4	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-12	
						Pre Tinned Brass	4000 4G2-12	
1/4	.075-.175	✓✓	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-12	
						Pre Tinned Brass	4000 4G4-12	

# Spade and Ring Series Uninsulated | Ring

.375 Ring  
20-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	.098	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-5A
							Pre Tinned Brass	4000 4G4-5A
	.112	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Brass	4000 4G3-7A
							Pre Tinned Brass	4000 4G4-7A
	6	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-5
							Pre Tinned Brass	4000 4G2-5
						.032	Brass	4000 4G3-5
							Pre Tinned Brass	4000 4G4-5
	8	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-7
							Pre Tinned Brass	4000 4G2-7
						.032	Brass	4000 4G3-7
							Pre Tinned Brass	4000 4G4-7
	.040	Brass	4000 4G7-7					
		Pre Tinned Brass	4000 4G8-7					
	10	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-9
							Pre Tinned Brass	4000 4G2-9
						.032	Brass	4000 4G3-9
							Pre Tinned Brass	4000 4G4-9
	.040	Brass	4000 4G7-9					
		Pre Tinned Brass	4000 4G8-9					
	12	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-15
							Pre Tinned Brass	4000 4G2-15
						.032	Brass	4000 4G3-15
							Pre Tinned Brass	4000 4G4-15
1/4	None	✓✓	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	Brass	4000 4G1-11	
						Pre Tinned Brass	4000 4G2-11	
					.032	Brass	4000 4G3-11	
						Pre Tinned Brass	4000 4G4-11	



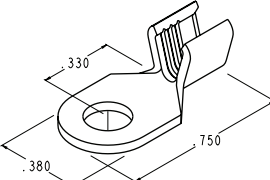
# Spade and Ring Series Uninsulated | Ring

.375 Ring  
12-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	None	✓✓	4000	$\frac{3}{8} \pm \frac{1}{32}$	.032	Brass	4000 4G3-5-2
							Pre Tinned Brass	4000 4G4-5-2
	8	None	✓✓	4000	$\frac{3}{8} \pm \frac{1}{32}$	.032	Brass	4000 4G3-9-2
							Pre Tinned Brass	4000 4G4-9-2
	10	None	✓✓	4000	$\frac{3}{8} \pm \frac{1}{32}$	.032	Brass	4000 4G3-11-2
							Pre Tinned Brass	4000 4G4-11-2

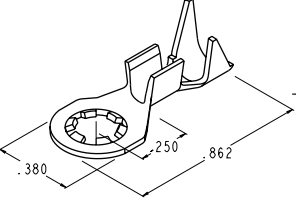
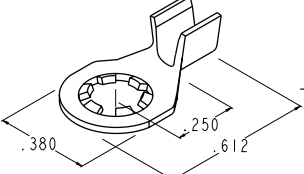
# Spade and Ring Series Uninsulated | Ring

.380 Ring  
12-10 AWG - Barrel Grip

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	10	None	--	3000	$\frac{1}{2} \pm \frac{1}{32}$	.040	Brass	3800M 28AB
							Pre Tinned Brass	3800M 28
	1/4	None	--	3000	$\frac{1}{2} \pm \frac{1}{32}$	.040	Brass	3800M 29AB
							Post Tin Brass	3800M 29

# Spade and Ring Series Uninsulated | Serrated Ring

.380 Serrated Ring  
18-12 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	8	.075-.175	✓-	2000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G97-8
	10	.075-.175	✓-	2000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G97-10
			--				Pre Tinned Brass	4000 A4G98-10
	8	None	✓-	3000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G97-7
	10	None	✓-	3000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G97-9

# Spade and Ring Series Uninsulated | Serrated Ring

.380 Serrated Ring  
14-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	8	.150-.250	✓ -	2000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G99-8
	10	.150-.250	✓ -	1500	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G99-10
	8	None	✓ -	3000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G99-7
	10	None	✓ -	3000	$\frac{7}{32} \pm \frac{1}{32}$	.025	Post Tin Steel	4000 A4G99-9

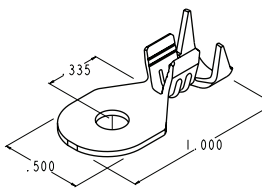
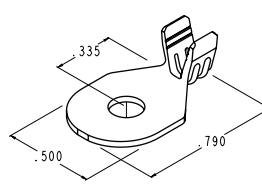
# Spade and Ring Series Uninsulated | Ring

.425 Ring  
10-8-6 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	8	None	✓ ✓	1500	$\frac{7}{16} \pm \frac{1}{32}$	.040	Brass	4000 43G7-7
							Pre Tinned Brass	4000 43G7-8
	10	None	✓ ✓	1500	$\frac{7}{16} \pm \frac{1}{32}$	.040	Brass	4000 43G7-9
							Pre Tinned Brass	4000 43G7-10
	1/4	None	✓ ✓	1500	$\frac{7}{16} \pm \frac{1}{32}$	.040	Brass	4000 43G7-11
							Pre Tinned Brass	4000 43G7-12

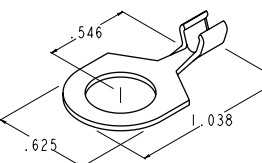
# Spade and Ring Series Uninsulated | Ring

.500 Ring  
14-10 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	8	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-8 4000 5G4-8
	10	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-10 4000 5G4-10
	1/4	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-12 4000 5G4-12
	5/16	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-14 4000 5G4-14
	3/8	.150-.250	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-16 4000 5G4-16
		8	None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass
10		None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-9 4000 5G4-9
1/4		None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-11 4000 5G4-11
5/16		None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-13 4000 5G4-13
3/8		None	✓✓	2000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	4000 5G3-15 4000 5G4-15

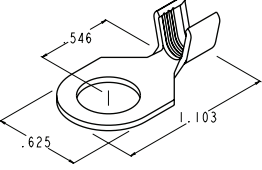
# Spade and Ring Series Uninsulated | Ring

.625 Ring  
18-16 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	.385	None	--	4000	$\frac{7}{32} \pm \frac{1}{32}$	.032	Brass Pre Tinned Brass	3800M 27 3800M 27A

# Spade and Ring Series Uninsulated | Ring

.625 Ring  
12-8 AWG

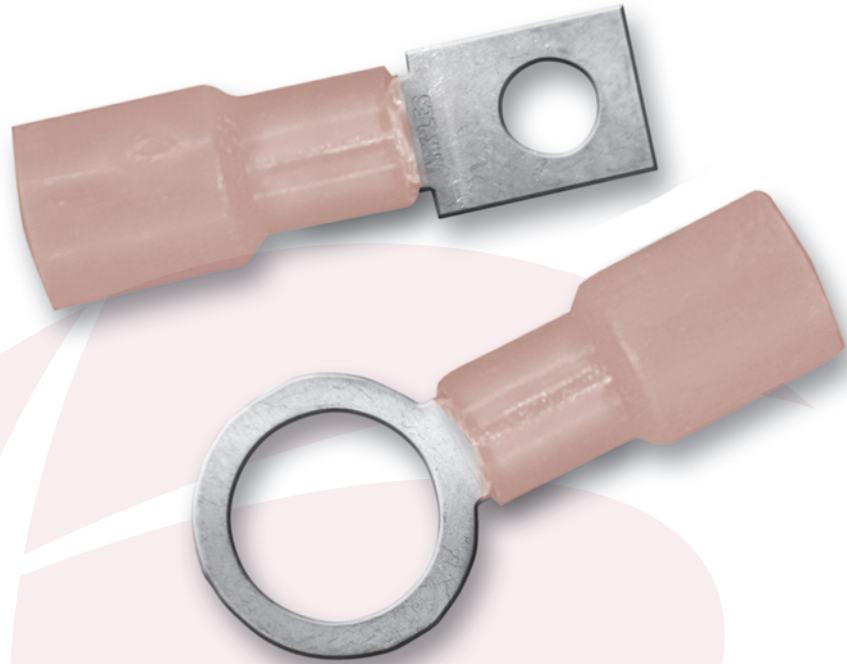
STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	.385	None	--	3000	$\frac{5}{32} \pm \frac{1}{32}$	.040	Brass	3800M 26
							Pre Tinned Brass	3800M 26A

# Spade and Ring Series Uninsulated | Hook

.300 Hook  
20-14 AWG

STYLE AND DIMENSION	STUD	INSULATION RANGE	UL/CSA	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	6	.075-.175	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3H1-6
							Pre Tinned Brass	4000 A3H2-6
	8	.075-.175	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3H1-8
							Pre Tinned Brass	4000 A3H2-8
	6	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3H1-5
							Pre Tinned Brass	4000 A3H2-5
	8	None	✓✓	5000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	4000 A3H1-7
							Pre Tinned Brass	4000 A3H2-7

# 6 Spade and Ring Series Nylon Partially Insulated



**Nylon Partially Insulated Spade and Ring Series**

**Spade**  
**Flanged Spade**  
**Snap Spade**  
**Square Spade**  
**Ring**  
**Hook**

## Product Guide

The following information and system is outlined to assist you in finding the NYLON PARTIALLY INSULATED terminal best suited to meet your application.

- a. Determine the width needed to fit your space limitation, i.e., .240, .300, .375, etc.
- b. Determine what style NYLON PARTIALLY INSULATED terminal is needed, i.e., spade, flanged spade, snap spade, square spade, ring or hook.
- c. Determine the stud size required.
- d. Determine wire size and insulation range.
- e. For special variations please contact your local representative or the Ark-Les Customer Service Department.

For parts supplied in loose piece form, add the suffix "1" to the number. Example: 7500018 becomes 75000181.

### MATING STUD SIZES

STUD SIZE	STUD DIA. (IN.)	HOLE DIA. (IN.)
0	.060	.068
2	.086	.094
4	.112	.120
6	.138	.146
8	.164	.172
10	.190	.198
12	.216	.224
14	.242	.251
1/4	.250	.265
5/16	.312	.328
3/8	.375	.390
7/16	.437	.453
1/2	.500	.515

Note: Dimensions in this catalogue are subject to change. Therefore we suggest you secure up-to-date Ark-les prints before assigning dimensions to your drawings.

## Terminal Style & Features

Color Coded Nylon Sleeve

Rated for Use to 105°C

Red 22-18 AWG

Blue 16-14 AWG

Yellow 12-10 AWG

Has high dielectric strength.

Supports lead insulation and prevents exposure of bare wire.

Front Carrier Mounting.

Available for .300 wide

.020 thick Spade & Ring.

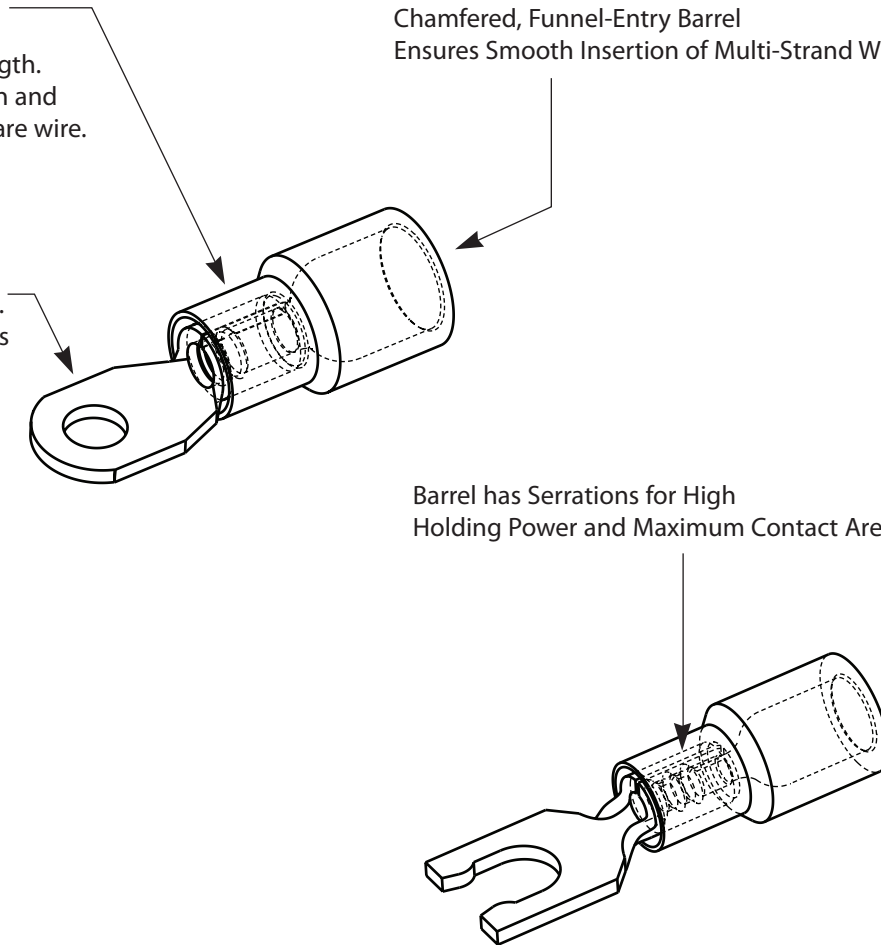
Permits use with Ark-Les Universal Applicator.

Chamfered, Funnel-Entry Barrel

Ensures Smooth Insertion of Multi-Strand Wire.

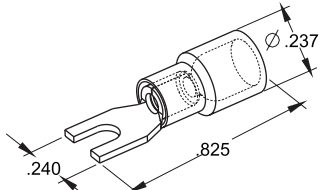
Barrel has Serrations for High

Holding Power and Maximum Contact Area.



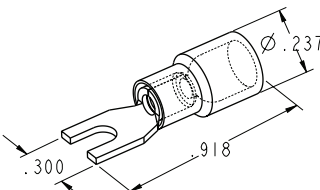
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

.240 Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500018
	2	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500098
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500178
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500258

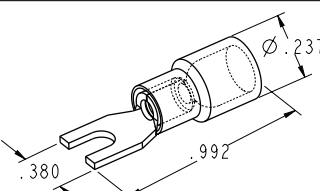
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

.300 Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501658
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501778
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501898
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502018

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

.380 Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

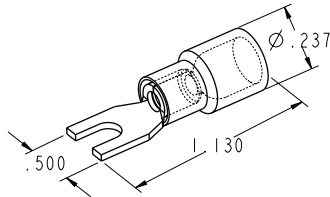
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503878
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503998
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504118



## Spade and Ring Series Nylon Partially Insulated INSULON® | Spade

.500 Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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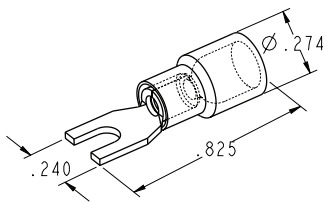


10	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7506098
1/4	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7506218

## Spade and Ring Series Nylon Partially Insulated INSULON® | Spade

.240 Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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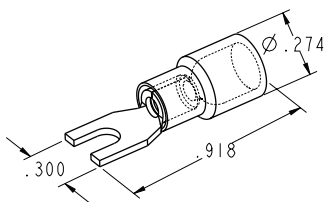


0	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500058
2	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500138
4	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500218
6	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500298

## Spade and Ring Series Nylon Partially Insulated INSULON® | Spade

.300 Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

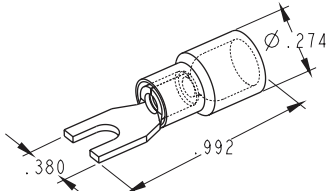
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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4	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7501698
6	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7501818
8	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7501938
10	✓	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7502058

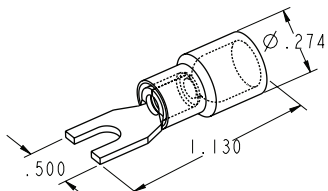
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

.380 Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503918
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504038
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504158

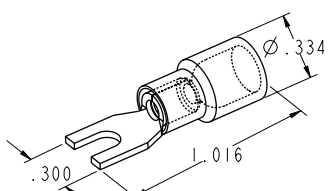
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

.500 Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7506138
	1/4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7506258

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Spade

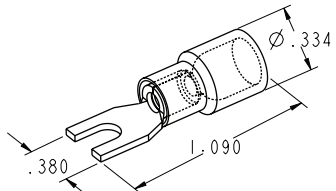
.300 Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7501738
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7501858
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7501978
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502098

## Spade and Ring Series

### Nylon Partially Insulated INSULON® | Spade

.380 Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503958
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504078
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504198

## Spade and Ring Series

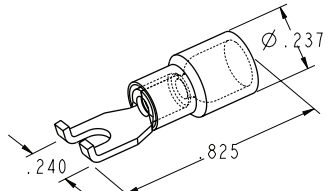
### Nylon Partially Insulated INSULON® | Spade

.500 Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506178
	1/4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506298

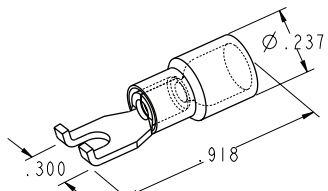
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

.240 Flanged Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500408
	2	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500488
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500568
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500648

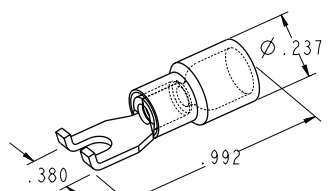
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

.300 Flanged Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502138
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502258
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502378
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502498

## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

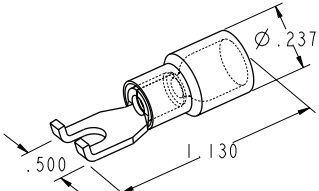
.380 Flanged Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504358
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504478
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504598

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

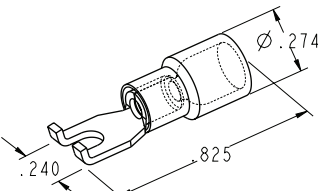
.500 Flanged Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7506488
	1/4	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7506608

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

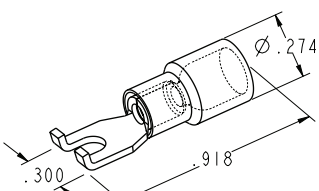
.240 Flanged Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500448
	2	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500528
	4	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500608
	6	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7500688

## Spade and Ring Series

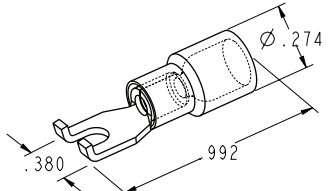
### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

.300 Flanged Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7502178
	6	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7502298
	8	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7502418
	10	✓	✓	$\frac{1}{2} \pm \frac{1}{32}$	3000	7502538

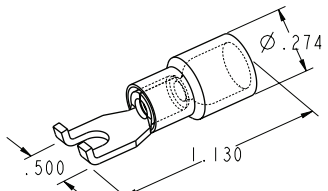
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Flanged Spade

380 Flanged Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7504398
	8	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7504518
	10	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7504638

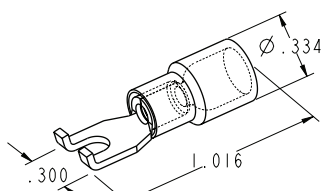
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Flanged Spade

.500 Flanged Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7506528
	1/4	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7506648

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Flanged Spade

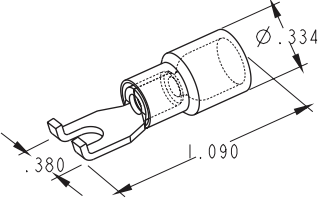
.300 Flanged Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502218
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502338
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502458
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502578

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

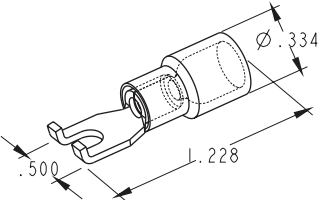
.380 Flanged Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504438
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504558
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504678

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Flanged Spade

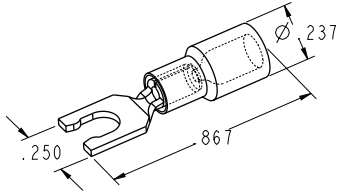
.500 Flanged Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506568
	1/4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506688

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.250 Snap Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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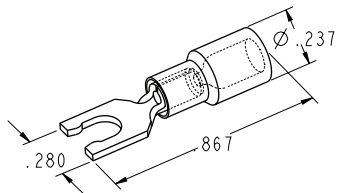


	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507808
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## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.280 Snap Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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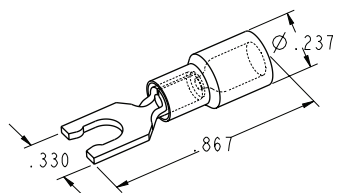


	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507868
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## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.330 Snap Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507928
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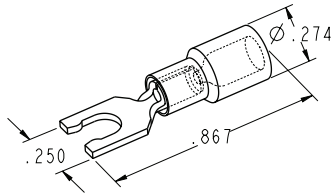


## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Snap Spade

.250 Snap Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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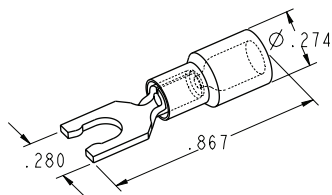
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507828
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## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Snap Spade

.280 Snap Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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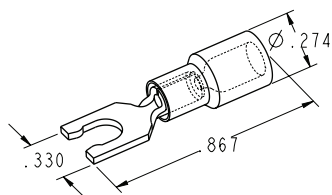
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507888
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## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Snap Spade

.330 Snap Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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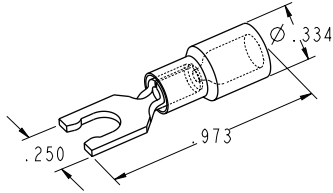


	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507948
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## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.250 Snap Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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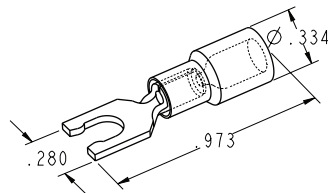


	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507848
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## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.280 Snap Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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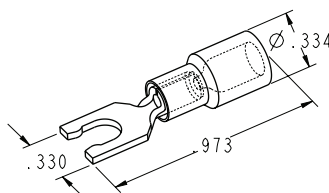


	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507908
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## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Snap Spade

.330 Snap Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

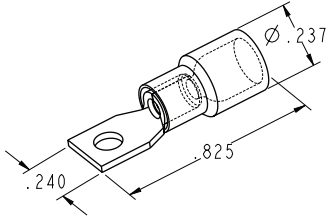
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507968
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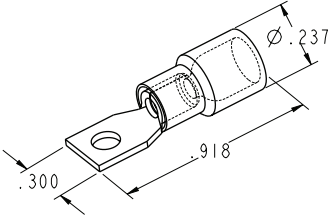
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.240 Square Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500798
	2	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500878
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500958
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501038

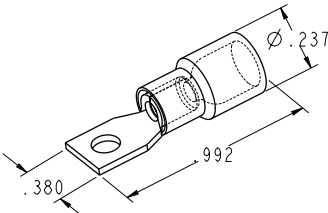
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.300 Square Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502618
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502738
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502858
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502978

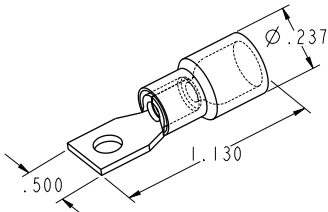
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.380 Square Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504838
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504958
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505078

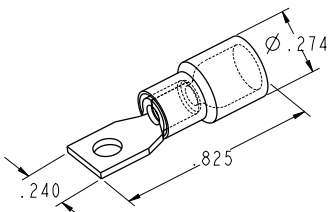
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Square Spade

.500 Square Spade  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7506878
	1/4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7506998

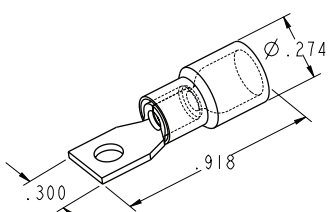
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Square Spade

.240 Square Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500838
	2	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500918
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7500998
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501078

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Square Spade

.300 Square Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

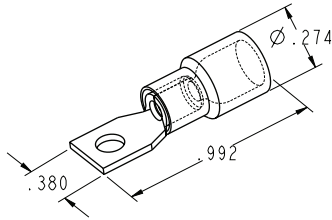
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502658
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502778
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7502898
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503018

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.380 Square Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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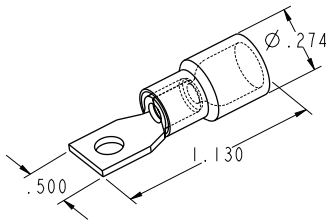
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504878
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7504998
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505118

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.500 Square Spade  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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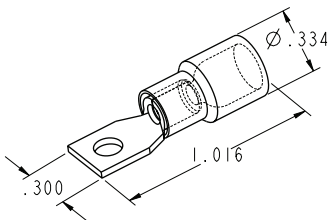
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7506918
	1/4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7507038

## Spade and Ring Series

### Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Square Spade

.300 Square Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

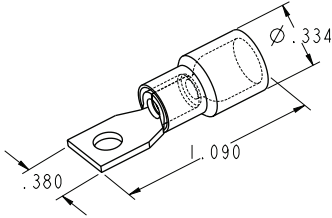
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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	4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502698
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502818
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7502938
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503058

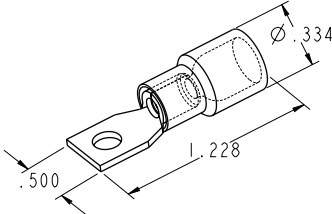
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Square Spade

.380 Square Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7504918
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505038
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505158

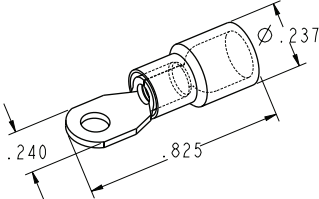
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Square Spade

.500 Square Spade  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506958
	1/4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507078

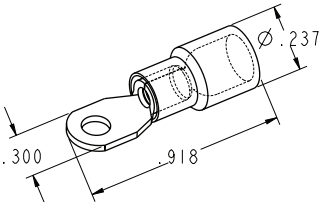
## Spade and Ring Series Nylon Partially Insulated INSULON® | Ring

.240 Ring  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501188
	2	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501268
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501348
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7501428

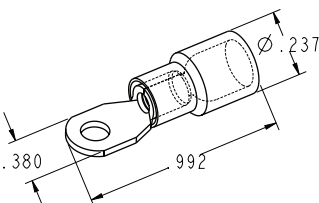
## Spade and Ring Series Nylon Partially Insulated INSULON® | Ring

.300 Ring  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503098
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503218
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503488
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7503608

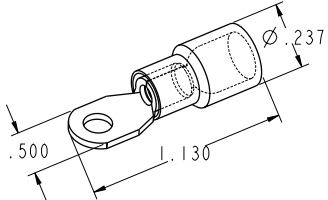
## Spade and Ring Series Nylon Partially Insulated INSULON® | Ring

.380 Ring  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505318
	8	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505438
	10	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505708
	1/4	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505828
	12	✓	✓	$\frac{3}{32} \pm \frac{1}{32}$	3000	7505948

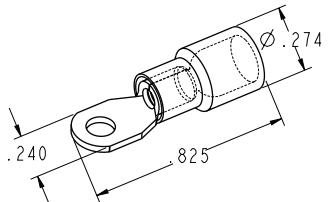
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Ring

.500 Ring  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7507268
	1/4	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7507388
	5/16	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7507508
	3/8	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7507638

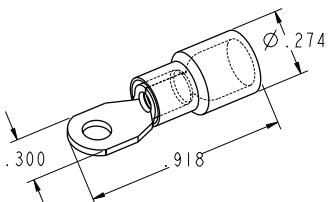
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Ring

.240 Ring  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	0	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7501228
	2	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7501308
	4	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7501388
	6	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7501468

## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON $^{\circledR}$ | Ring

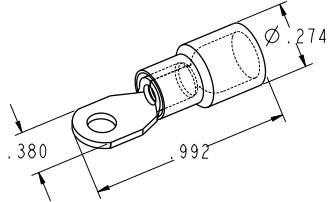
.300 Ring  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7503138
	6	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7503258
	8	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7503528
	10	✓	✓	$\frac{9}{32} \pm \frac{1}{32}$	3000	7503648



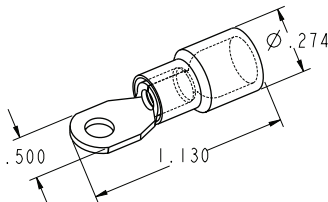
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Ring

.380 Ring  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7505358
	8	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7505478
	10	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7505748
	1/4	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7505868
	12	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7505988

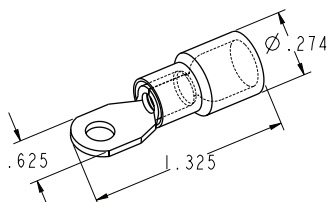
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Ring

.500 Ring  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7507308
	1/4	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7507428
	5/16	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7507548

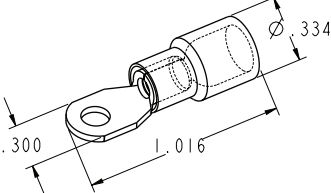
## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Ring

.625 Ring  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	3/8	✓	✓	$\frac{1}{32} \pm \frac{1}{32}$	3000	7507648

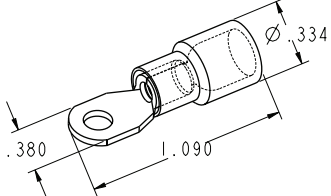
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Ring

.300 Ring  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503178
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503298
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503568
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7503688

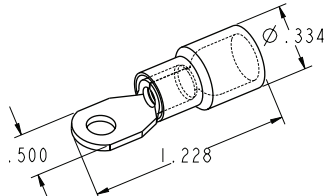
## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Ring

.380 Ring  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	6	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505398
	8	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505518
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505788
	1/4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7505908
	12	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7506028

## Spade and Ring Series Nylon Partially Insulated INSUL<sup>◇</sup>ON<sup>®</sup> | Ring

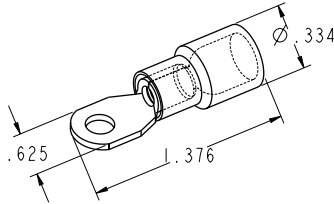
.500 Ring  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
	10	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507348
	1/4	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507468
	5/16	✓	✓	$\frac{5}{16} \pm \frac{3}{64}$	2000	7507588

## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Ring

.625 Ring  
.040 Electro-Tinned Copper  
12-10 AWG (Yellow)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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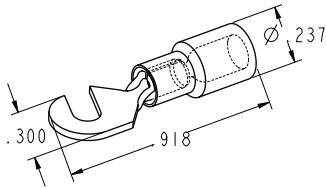


	3/8	✓	✓	3/32 ± 1/32	2000	7507728
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## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Hook

.300 Hook  
.031 Electro-Tinned Copper  
22-18 AWG (Red)

STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
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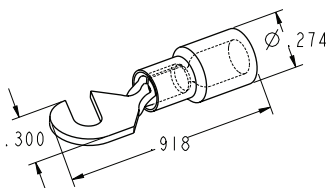


	4	✓	✓	3/32 ± 1/32	3000	7508003008
	6	✓	✓	3/32 ± 1/32	3000	7508083008
	8	✓	✓	3/32 ± 1/32	3000	7508163008

## Spade and Ring Series Nylon Partially Insulated INSUL $\diamond$ ON<sup>®</sup> | Hook

.300 Hook  
.031 Electro-Tinned Copper  
16-14 AWG (Blue)

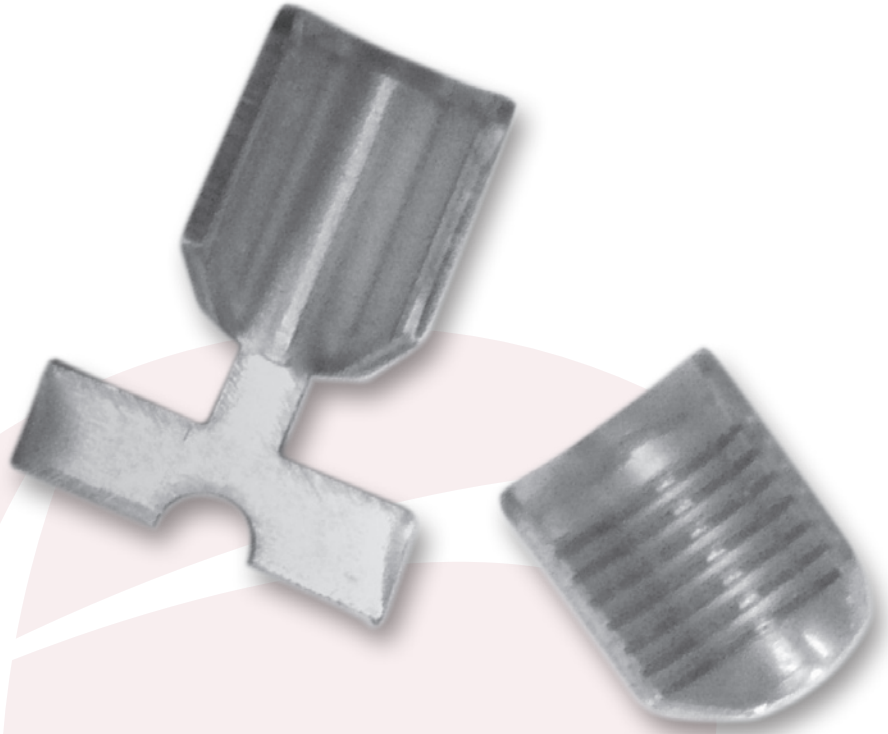
STYLE AND DIMENSION	STUD	UL	CSA	RECOMMENDED STRIP LENGTH	QUANTITY PER REEL	PART NUMBER
---------------------	------	----	-----	--------------------------	-------------------	-------------



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	6	✓	✓	3/32 ± 1/32	3000	7508123008
	8	✓	✓	3/32 ± 1/32	3000	7508203008



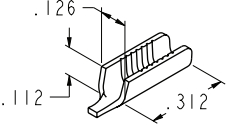
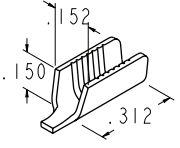
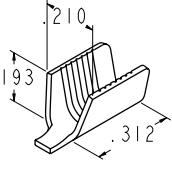
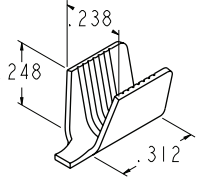
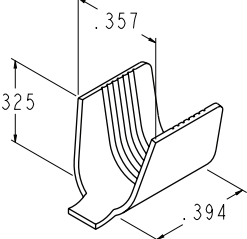
# 7 Splice Series



**Splice Series** | Lead Wire Splices  
| Wire Heating Element Splices

# Splice Series | Magnet Wire Splices

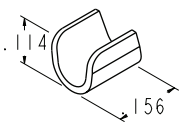
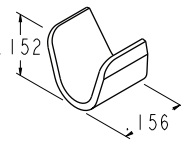
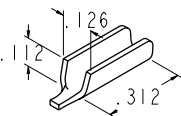
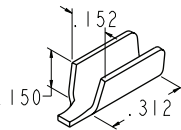
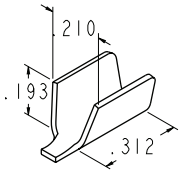
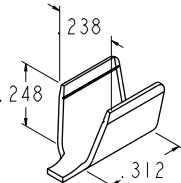
Magnet Wire Splices\*  
7 Broaches  
For CMA Range of 700-29000

STYLE AND DIMENSION	CMA RANGE	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	700 - 2750	8000	---	.020	Brass	3800S 75AB-2
					Pre Tinned Brass	3800S 75A-2
					Post Tinned Brass	3800S 75AD-2
	1600 - 5000	4000	---	.020	Brass	3800S 75AB-3
					Pre Tinned Brass	3800S 75A-3
					Post Tinned Brass	3800S 75AD-3
	3000 - 6700	3000	---	.020	Brass	3800S 75AB-4
					Pre Tinned Brass	3800S 75A-4
					Post Tinned Brass	3800S 75AD-4
	5200 - 13000	2000	---	.025	Brass	3800S 75AB-5
					Pre Tinned Brass	3800S 75A-5
					Post Tinned Brass	3800S 75AD-5
	12000 - 29000	1000	---	.025	Brass	3800S 75AB-6
					Pre Tinned Brass	3800S 75A-6
					Post Tinned Brass	3800S 75AD-6

\*U.S. Patent 4,074,065

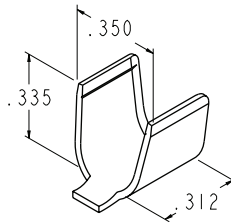
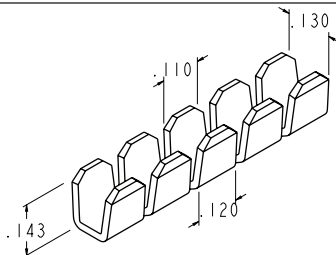
## Splice Series | Lead Wire Splices

Lead Wire Splices  
For CMA Range of 700-29000

STYLE AND DIMENSION	CMA RANGE	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	700 - 2750	8000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Brass Pre Tinned Brass	3800S 57AB-2 3800S 57A-2
	1600 - 5000	4000	$\frac{3}{16} \pm \frac{1}{32}$	.016	Brass Pre Tinned Brass	3800S 57AB-3 3800S 57A-3
	710 - 2725	8000	$\frac{1}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass Post Tinned Brass	3800S 175AB-2 3800S 175A-2 3800S 175AD-2
	1600 - 5000	4000	$\frac{1}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass Post Tinned Brass	3800S 175AB-3 3800S 175A-3 3800S 175AD-3
	3000-6700	3000	$\frac{1}{32} \pm \frac{1}{32}$	.020	Brass Pre Tinned Brass Post Tinned Brass	3800S 175AB-4 3800S 175A-4 3800S 175AD-4
	5200 - 13000	2000	$\frac{1}{32} \pm \frac{1}{32}$	.025	Brass Pre Tinned Brass Post Tinned Brass	3800S 175AB-5 3800S 175A-5 3800S 175AD-5

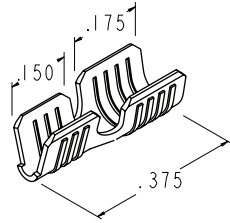
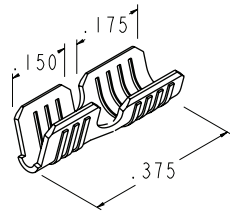
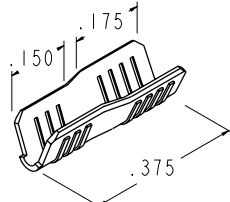
# Splice Series | Lead Wire Splices

Lead Wire Splices  
For CMA Range of 700-29000

STYLE AND DIMENSION	CMA RANGE	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	12000 - 29000	1000	$1\frac{1}{2} \pm \frac{1}{32}$	.025	Brass	3800S 175AB-6
					Pre Tinned Brass	3800S 175A-6
					Post Tinned Brass	3800S 175AD-6
	1022 - 5178	4000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Brass	3800S 71AB
					Pre Tinned Brass	3800S 71A

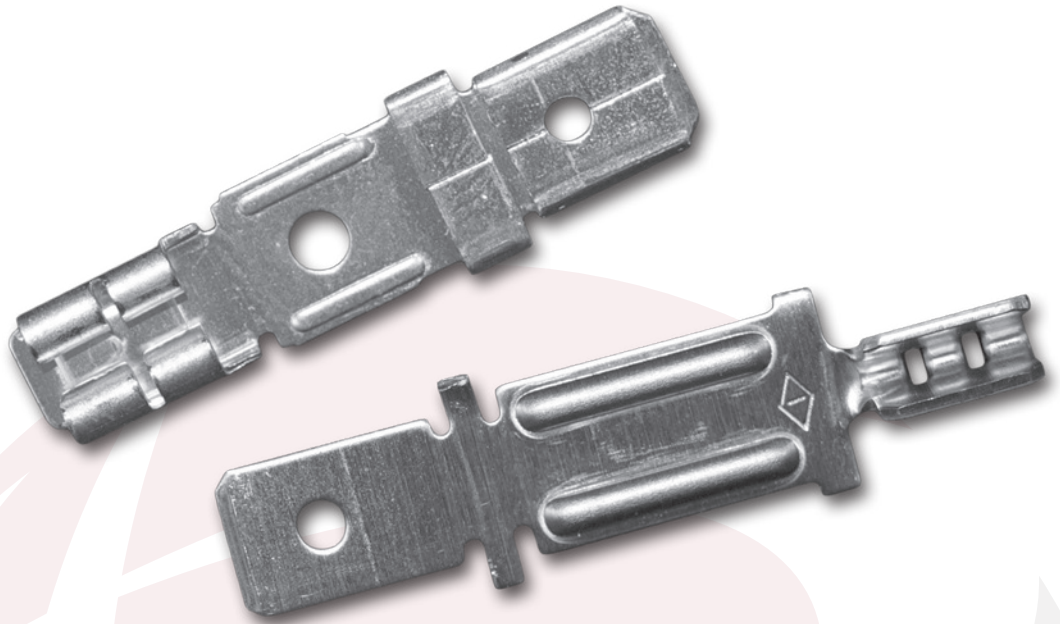
# Splice Series | Wire/Heating Element Splices

Wire /Heating Element Splices

STYLE AND DIMENSION	WIRE RANGE	HEATING ELEMENT DIA.	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	22-18	.060-.070	5000	$\frac{5}{32} \pm \frac{1}{32}$	.012	Stainless Steel	3800S 81T
						Pre Nickel Steel	3800S 81
	22-18	.050-.080	5000	$\frac{5}{32} \pm \frac{1}{32}$	.012	Pre Nickel Steel	3800S 93
	22-18	.050-.085	5000	$\frac{5}{32} \pm \frac{1}{32}$	.012	Stainless Steel	3800S 86T
						Post Nickel Steel	3800S 86



# 8 Specialty Terminals



## **Specialty Terminals**

**Contacts and Connectors**

**Tab Terminal**

**Pin Receptacle**

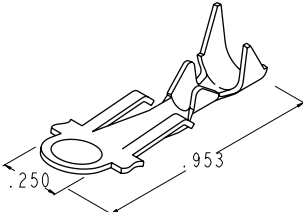
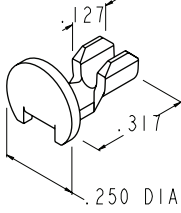
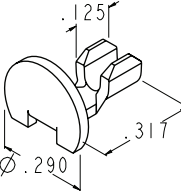
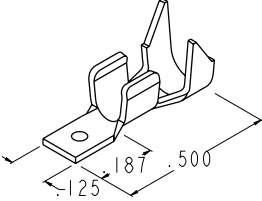
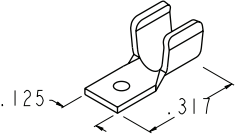
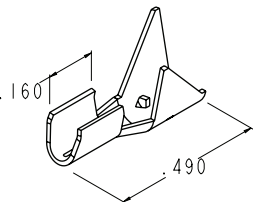
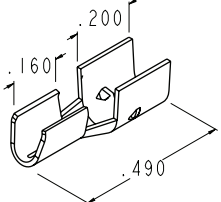
**Flag Terminal**

**Stationary Male/Female Adaptor Terminal**

**Male Heater Tab Terminal**

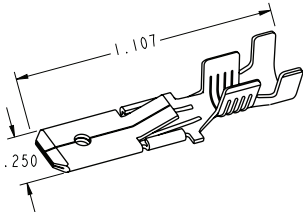
# Specialty Terminals | Contacts and Connectors

## Contacts and Connectors

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	QUANTITY PER REEL	RECOMMENDED STRIP LENGTH	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	20-18 or (2) 20's	.075-.175	3000	$\frac{5}{32} \pm \frac{1}{32}$	.020	Pre Tinned Brass	3800M 11A
	20-18	None	3000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3800S 94A-6
	20-14					Brass	3800S 94AB-6
	16-12					Pre Tinned Brass	3800S 94A
						Brass	3800S 94AB
						Pre Tinned Brass	3800S 94A-7
Brass	3800S 94AB-7						
	20-18	None	4000	$\frac{3}{16} \pm \frac{1}{32}$	.032	Pre Tinned Brass	3800S 112A-6
	20-14					Brass	3800S 112AB-6
						Pre Tinned Brass	3800S 112A
						Brass	3800S 112AB
	22-16	.075-.125	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	#430 Stainless Steel	3800M 21
						Post Nickel Steel	3800M 21A
	22-16	None	5000	$\frac{3}{16} \pm \frac{1}{32}$	.020	#430 Stainless Steel	3800M 21-2
						Post Nickel Steel	3800M 21-2A
	20-14	.100-.125	8000	$\frac{3}{16} \pm \frac{1}{32}$	.014	Pre Tinned Brass	3800S 7A
						Brass	3800S 7AB
	20-14	.100-.125	8000	$\frac{3}{16} \pm \frac{1}{32}$	.014	Pre Tinned Brass	3800S 7C
						Brass	3800S 7CB

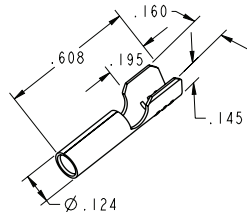
## Specialty Terminals | Tab Terminal

Tab Terminal  
Male .250 X .039

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	QUANTITY PER REEL	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	12-10	.130 -.185	3000	0.018	Pre Tinned Brass	3000M 782A

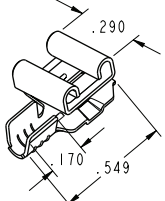
## Specialty Terminals | Pin Receptacle

Pin Receptacle

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	QUANTITY PER REEL	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	14-12	None	5000	0.015	Pre Nickel Steel	3800H 85J

## Specialty Terminals | Flag Terminal

Flag Terminal  
Female .250 X .032

STYLE AND DIMENSION	WIRE RANGE	INSULATION RANGE	QUANTITY PER REEL	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
	Min. #16 AWG Max. (1) #14 AWG Stranded (1) #22 AWG Solid	NONE	1500	0.016	Pre Tinned Brass	3000H 181A-7

# Specialty Terminals | Stationary Male/Female Adaptor Terminal

## Stationary Male/Female Adaptor Terminal

STYLE AND DIMENSION	MTG HOLE DIA. (IN.)	Y SIDE ANGLE	Z SIDE ANGLE	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
<p>ACCEPTS .250 X .032 FEMALE RECEPTACLE</p> <p>1.100</p> <p>.250</p> <p>∅ .072 HOLE</p> <p>STIFFNER (2X) OPTIONAL</p> <p>MTG. HOLE</p> <p>.232</p> <p>ACCEPTS .187 X .020 MALE TAB</p>	0.093	Flat	Flat	0.015	Pre Tinned Brass	3800S 401A-1 *
					Brass	3800S 401AB-1 *
<p>.250</p> <p>.232</p> <p>.187 x .020</p>	none	Flat	Flat	0.015	Pre Tinned Brass	3800S 401A *
					Brass	3800S 401AB *
<p>.250</p> <p>.232</p> <p>.187 x .020</p>	0.093	30	30	0.015	Pre Tinned Brass	3800S 401A-Y30Z30-1 *
					Brass	3800S 401AB-Y30Z30-1 *
<p>.250</p> <p>.232</p> <p>.187 x .020</p> <p>SIDE Y</p> <p>SIDE Z</p>	none	30	30	0.015	Pre Tinned Brass	3800S 401A-Y30Z30 *
					Brass	3800S 401AB-Y30Z30 *

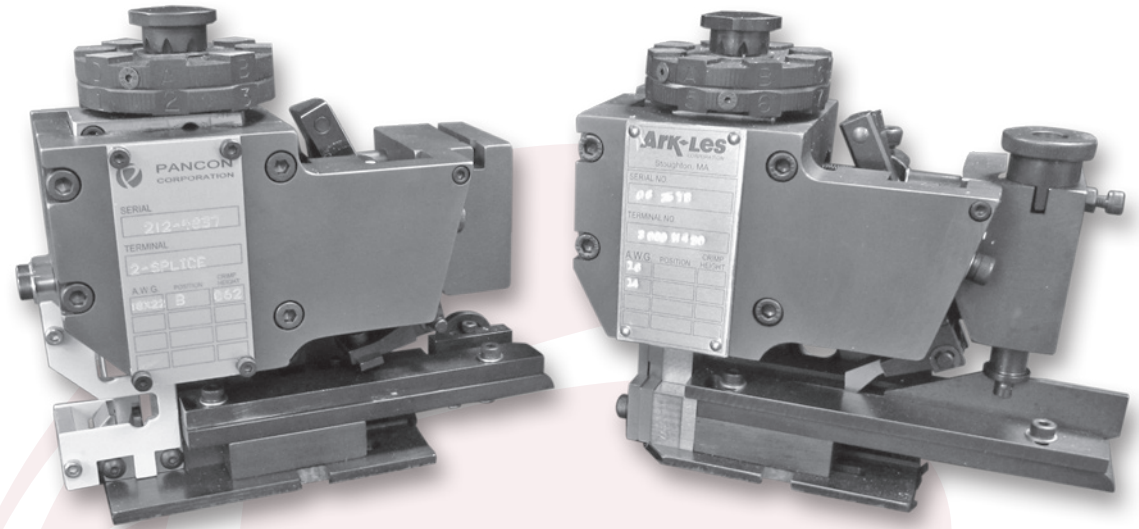
\*Contact Customer Service for additional configurations.

# Specialty Terminals | Male Heater Tab Terminal

## Male Heater Tab Terminal

STYLE AND DIMENSION	MATING TAB SIZE	WIRE RANGE DIA. (IN.)	QUANTITY PER REEL	STOCK THICKNESS	MATERIAL AND FINISH	PART NUMBER
<p>1.493</p> <p>.250</p> <p>∅ .070 DETENT</p>	.250 x .032	.0253-.064	3000	0.032	Pre Nickel Steel	3800M 130J
640 - 4,096 CMA Range						
<p>1.565</p> <p>.312</p> <p>∅ .097 HOLE</p>	.312 x .032	.0253-.064	3000	0.032	Pre Nickel Steel	3800M 111J
640 - 4,096 CMA Range						
<p>1.678</p> <p>.312</p> <p>∅ .097 HOLE</p>	.312 x .032	16 AWG Solid Nichrome Wire	3000	0.032	Pre Nickel Steel	3800M 129J
(UL Approved Wire Size)						

# 9 Application Tooling

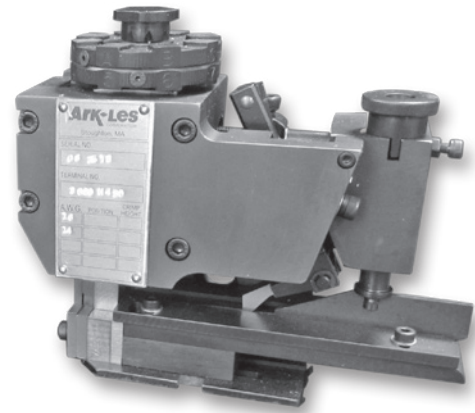


**Application Tooling** | **Hand Tools**  
| **Press**

# Applicator

All Ark-Les applicators are engineered to the highest standard to achieve maximum performance and tool life. They are made with quality engineering and materials that surpass users expectations.




- Designed for rear and or side feed terminals
- Quick change mounting system
- Adjustable conductor & insulation height dials
- Capacity to crimp up to 10 gauge wire
- Mechanical feed system
- Compatible mounting for most crimping presses



## Application Tooling | Hand Tools

### Ark-Les Hand Tools

Intended for prototype and job assembly, limited production runs, repair work, etc. Ark-Les crimping tools are rugged, versatile, multipurpose tools that speed and simplify manual terminal application. They are capable of producing quality crimps for terminals using 22 – 10 AWG wire.

STYLE AND DIMENSION	MOVEMENT TYPE	APPLICABLE TERMINAL	HAND TOOL PART #
	Spring Movement	3000/Series (uninsulated)	100P1
	Ratcheted Movement	Partially Insulated Terminals	70001
	Ratcheted Movement	Fully Insulated Terminals	70002

## Application Tooling | Press

Simple Accurate and remarkably reliable, this rugged 3-ton press can terminate stripped wires up to 10AWG. It is driven by a high speed motor with foot pedal operation and features an interlocking transparent shield for safety. It accepts most standard mini-style applicators for crimping left side and rear-feed terminals.

- Quick-Change applicator base plate
- Counters for lot size, batch size and total machine cycles
- Variable press cycle speed for difficult applications
- Fine adjustment of crimping height

### Ark-Les M-5500 Press

TECHNICAL DATA	
<b>Force</b>	3.7 tons (33 kN)
<b>Power</b>	0.75 KW
<b>Cross Section Range</b>	Up to 10 AWG (6 mm <sup>2</sup> ) [Terminal stock thickness up to 0.04" (1 mm) / Length of wire crimp zone up to 0.31" (8 mm)]
<b>Stroke</b>	40 mm (optional 30 mm)
<b>Shut Height</b>	5.346" (135.788 mm)
<b>Crimp Height Adjustment</b>	± 0.01" (0.25 mm) of adjustment in 0.001" (0.025 mm) increments
<b>Cycle Time</b>	Adjustable from 350 ms to 1 s
<b>Press Activation</b>	Foot pedal
<b>Noise Level</b>	< 70 dB (A)
<b>Power Supply</b>	Power 115 VAC to 230 VAC, 50/60 Hz, 255 VA
<b>Dimensions (L x W x H)</b>	13" x 30" x 16" (320 mm x 750 mm x 400 mm)
<b>Weight</b>	Weight 176 lbs (80 kg)
<b>CE -Conformity</b>	The M-5500 complies fully with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.







# 10 Appendix



**Appendix** | Wire Sizes  
| Magnet Wire Circular Mil Area (CMA)

## Wire Sizes | Appendix

STRANDED WIRE SIZES IN DIA. INCHES & CIRCULAR MILS			
WIRE SIZE STRANDED	STRANDS		CIRCULAR MILS
	NO.	DIA.	
8	49	.0184	16,589
8	19	.0295	16,534
8	7	.0486	16,533
8	37	.0211	16,472
8	133	.0111	16,386
8	7	.0450	14,175
U.L. 10 NEMA	105	.0100	10,500
10	19	.0234	10,404
10	7	.0385	10,376
10	37	.0167	10,319
U.L. 10	7	.0360	9,072
12	84	.0089	6,654
12	165	.0063	6,549
12	37	.0133	6,545
U.L. 12	7	.0305	6,512
12	19	.0185	6,503
12	259	.0050	6,475
12	19	.0179	6,088
U.L. 12 NEMA	65	.0100	6,500
14	84	.0071	4,234
14	105	.0063	4,167
14	19	.0147	4,106
U.L. 14	7	.0242	4,099
14	37	.0105	4,079
U.L. 14 NEMA	41	.0100	4,100
16	7	.0200	2,800
16	105	.0050	2,625
16	19	.0117	2,601
16	7	.0063	2,580
16	37	.0192	2,580
U.L. 16 NEMA	26	.0100	2,600
18	7	.0153	1,639
18	65	.0050	1,625
18	7	.0152	1,617
18	19	.0092	1,608
U.L. 18 NEMA	16	.0100	1,600
20	7	.0126	1,111
20	26	.0063	1,032
U.L. 20 NEMA	10	.0100	1,000
U.L. 22 NEMA	7	.0100	700
22	10	.0080	640
22	16	.0063	635

STRANDED WIRE SIZES IN DIA. INCHES & CIRCULAR MILS			
WIRE SIZE STRANDED	STRANDS		CIRCULAR MILS
	NO.	DIA.	
22	8	.0089	634
22	6	.0100	600
24	56	.0028	439
24	7	.0080	448
24	13	.0056	408
24	26	.0040	416
24	4	.0100	400
24	16	.0050	400
24	8	.0071	403
24	10	.0063	397
26	3	.0100	300
26	7	.0063	278
26	26	.0031	250
26	8	.0056	251
26	16	.0040	256
26	10	.0050	2 50
26	6	.0063	238

SOLID WIRE SIZES VS. CIRCULAR MILS		
WIRE SIZE SOLID	DIA. INCHES	CIRCULAR MILS
8	.1285	16,512
10	.1019	10,384
12	.0808	6,529
14	.0641	4,109
16	.0508	2,581
18	.0403	1,624
20	.0320	1,024
22	.0253	640
24	.0201	404
26	.0159	253
28	.0126	159
30	.0100	100
32	.0080	64

**HOW TO COMPUTE CIRCULAR MIL AREA OF WIRE****Round Solid Wire**

1. Use table above.
2. Alternate method; multiply the major dia. in mils (D) by itself (CMA = D<sup>2</sup>).

**Stranded Wire**

1. Use table above.
2. Alternate method; multiply the dia. of one strand (in mils) by itself, then multiply the result by total no. (N) of strands (CMA = D<sup>2</sup> x N).

## Magnet Wire Circular Mil Area (CMA) | Appendix

WIRE SIZE	BARE WIRE DIAMETER	CMA BARE WIRE	COATED WIRE DIAMETER	CMA INSULATED COATED WIRE
32	.0080	64	.0084	71
31	.0089	79	.0092	85
30½	.0095	90	.0099	98
30	.0100	100	.0106	112
29½	.0107	115	.0114	130
29	.0113	128	.0120	144
28½	.0120	144	.0126	159
28	.0126	159	.0136	185
27½	.0134	180	.0144	207
27	.0142	202	.0152	231
26½	.0150	225	.0160	256
26	.0159	253	.0170	289
25½	.0169	286	.0180	324
25	.0179	320	.0190	361
24½	.0190	361	.0200	400
24	.0201	404	.0213	455
23½	.0214	458	.0226	511
23	.0226	511	.0238	566
22½	.0240	576	.0252	635
22	.0253	640	.0266	708
21½	.0269	724	.0282	794
21	.0285	812	.0298	888
20½	.0303	918	.0315	992
20	.0320	1024	.0334	1116
19½	.0340	1156	.0353	1246
19	.0359	1289	.0373	1391
18½	.0381	1452	.0395	1560
18	.0403	1624	.0418	1747
17½	.0428	1832	.0443	1962
17	.0453	2052	.0468	2190
16 ½	.0481	2314	.0496	2460
16	.0508	2581	.0524	2746
15½	.0540	2916	.0560	3136
15	.0571	3260	.0587	3446
14½	.0606	3672	.0622	3869
14	.0641	4109	.0658	4330
13½	.0681	4638	.0698	4872
13	.0720	5184	.0738	5446
12½	.0764	5837	.0783	6131
12	.0806	6529	.0827	6839
11½	.0858	7362	.0877	7691
11	.0907	8226	.0927	8593
10½	.0963	9274	.0983	9663
10	.1019	10,384	.1040	10,820
9	.1144	13,087	.1166	13,600
8	.1285	16,512	.1307	17,080

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