

## Hillsdale Terminal Data Sheets

Ring Type	A.W.G.
<u>Uninsulated</u>	
Brazed	
<u>High Temp</u>	
<u>Vinyl</u>	<b>22-18</b>
<u>Nylon</u>	
<u>3-Piece</u>	
Heat Shrink	
<b>Uninsulated</b>	
Brazed	
<u>High Temp</u>	_
<u>Vinyl</u>	16-14
<u>Nylon</u>	
<u>3-Piece</u>	
Heat Shrink	
<b>Uninsulated</b>	
Brazed	
<u>High Temp</u>	
<u>Vinyl</u>	12-10
<u>Nylon</u>	
<u>3-Piece</u>	
<u>Heat Shrink</u>	
<b>Uninsulated</b>	8 AWG
<u>High Temp</u>	6 AWG 4
<u>Vinyl</u>	AWG 4
<u>Nylon</u>	AWG 2 AWG
Heat Shrink	AVVG

Spade Type	A.W.G.
<b>Uninsulated</b>	
Brazed	
High Temp	
<u>Vinyl</u>	22-18
<u>Nylon</u>	
<u>3-Piece</u>	
Heat Shrink	
<b>Uninsulated</b>	
Brazed	
<u>High Temp</u>	
<u>Vinyl</u>	16-14
<u>Nylon</u>	
<u>3-Piece</u>	
<u>Heat Shrink</u>	
<u>Uninsulated</u>	
<u>Brazed</u>	
<u>High Temp</u>	
<u>Vinyl</u>	12-10
<u>Nylon</u>	
<u>3-Piece</u>	
Heat Shrink	
<b>Uninsulated</b>	8+

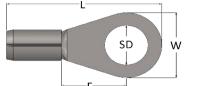
Butt Type
<b>Uninsulated</b>
Vinyl Extruded
Nylon Extruded
Nylon Molded
<u>Economy</u>
Heat Shrink

\*Select green "Home" button on datasheet to return to this page\*



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

## 22-18 A.W.G. Uninsulated Rings



•110 Copper Alloy .028 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .078

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
<u>10014</u>	4	.250	.590	.225	.122/.125	.223	600
<u>10020*</u>	6	.250	.660	.290	.139/.142	.260	600
<u>10020E</u>	6	.190	.586	.290	.138/.142	.250	600
<u>10021</u>	6 Slim	.250	.590	.225	.139/.142	.223	600
<u>10021E</u>	6 Slim	.190	.523	.225	.138/.142	.223	600
<u>10030*</u>	8	.250	.660	.324	.168/.171	.250	600
<u>10038</u>	8 Slim	.250	.660	.290	.168/.171	.260	600
<u>10038E</u>	8 Slim	.190	.586	.290	.168/.171	.250	600
<u>10040*</u>	10	.250	.660	.324	.194/.197	.250	600
<u>10040E</u>	10	.190	.586	.290	.194/.197	.253	600
10041*	1/4	.250	.890	.470	.260/.265	.405	600
10044*	1/4 Slim	.250	.810	.430	.263/.265	.345	600
<u>10042*</u>	5/16	.250	.890	.470	.324/.327	.405	600
<u>10042E</u>	5/16	.190	.828	.470	.324/.327	.405	600
<u>10043*</u>	3/8	.250	.990	.558	.394/.398	.469	600
10040M*	6-8-10	.250	.812	.340	NA	.345	600
All dimens	ions are in I	nches	* =UL an	d CSA li	sted	~ =CSA	listed
Require	d per UL/	CSA Requirer	<u>nents:</u>				
′5° C Max.	Temperatu	ire Rating		Crimp	tool HT #20591-NH1		
One crimp required					ength 1/4" (6.4mm)		
olid or Sti	randed wire	ļ.		N 41-0 14	line Dullaut Fanas	22AW0	G 8lbs.
Agency and Compliance:				iviin. W	/ire Pullout Force	20AW0	3 13lbs.
UL Listed, investigated to UL 486 A-B, File NO.					V.E68376	18AW0	G 20lbs.
CSA 22.2	No. 65-03.	Certification NC	. 207131	L		•	

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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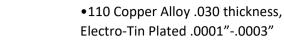


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SD

W

### 16-14 A.W.G. Uninsulated Rings



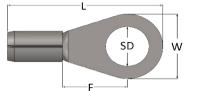
• Terminal I.D. - .093

		l⊶F→l					
Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10084	4	.250	.570	.264	.122/.125	.195	600
10086*	6	.250	.650	.295	.138/.142	.260	600
10086E	6	.188	.588	.295	.139/.142	.260	600
10085	6 Slim	.250	.570	.246	.139/.142	.195	600
10090*	8	.250	.710	.324	.168/.171	.295	600
10098	8 Slim	.250	.650	.295	.168/.172	.260	600
10098E	8 Slim	.188	.588	.295	.168/.172	.260	600
10100*	10	.250	.710	.324	.194/.197	.295	600
10100E	10	.188	.644	.324	.194/.197	.295	600
10101*	1/4	.250	.890	.470	.263/.265	.405	600
10114*	1/4 Slim	.250	.810	.430	.263/.265	.345	600
10114E	1/4 Slim	.188	.750	.430	.263/.265	.345	600
10102*	5/16	.250	.890	.470	.324/.327	.405	600
10102E	5/16	.188	.827	.470	.324/.327	.405	600
10103*	3/8	.250	.990	.558	.394/.398	.569	600
10104*	1/2	.250	1.210	.430	.525/.530	.615	600
10100M*	6-8-10	.250	.810	.340	NA	.345	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
<u>Require</u>	d per UL/	<b>CSA Requirer</b>	<u>nents:</u>				
75° C Max	Temperatu	ire Rating		Crimp	tool HT #20591-NH1		
One crimp	required			Strip Le	ength 1/4" (6.4mm)		
Solid or St	randed wire					16AWG	i 30lbs.
Agency	and Com	pliance:		Min. W	/ire Pullout Force	14AWG	50lbs.
		 ed to UL 486 A-E	B. File NC	). 7MV	/ F68376	Į	
	0	Certification NC	•				
RNING! Installation	of electrical w g practices, cor	ire and terminals can t nsult National Electrica	oe hazardou al Code and/	s if done i or your lo	mproperly. Improper use can cal building inspector. A licen and that it is properly and sa	sed electric	cal contractor
the precision or cor appplication. You a	npleteness is n ccept all risks a	ot definite. Before us and liability associated	ing this proo d with such ect unless e	duct, you use. Any	le Terminal's products are b must evaluate it and determ statements related to the pr agreed upon, in writing, by a	nine if it is s oduct whic	suitable for yo ch ar enot in H



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### 12-10 A.W.G. Uninsulated Rings



•110 Copper Alloy .038 thickness,

Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage
10210*	6	.250	.720	.342	.143/.147	.297	600
10215	6 Slim	.250	.720	.290	.143/.147	.297	600
10220*	8	.250	.720	.342	.168/.171	.297	600
10225	8 Slim	.250	.720	.290	.168/.171	.297	600
10230*	10	.250	.720	.342	.194/.197	.297	600
10240*	1/4	.250	.990	.558	.257/.261	.469	600
10245*	1/4 Slim	.250	.940	.434	.257/.261	.469	600
10250*	5/16	.250	.990	.558	.327/.323	.469	600
10260*	3/8	.250	.990	.558	.400/.394	.469	600
10233*	1/2	.250	1.210	.690	.525/.530	.615	600
10235	1/2 Wide	.250	1.250	.760	.518/.522	.620	600
10230M*	6-8-10	.250	.890	.390	NA	.350	600
All dimensions are in Inches * =UL and CSA listed			sted	~ =CSA	listed		

### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

Min. Wire Pullout Force

12AWG 70lbs. 10AWG 80lbs.

Agency and Compliance: UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376

CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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## 8-2 A.W.G Uninsulated Rings

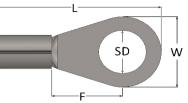
Material Thickness:

8 AWG: .042

6 AWG: .050

4 AWG: .070

2 AWG: .070



•Alloy 110 Copper with brazed seam. Electro-Tin Plated .00025-.0004 thick

2AWG

180lbs.

A.W.G	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage
8	10608*	#8	.330	.875	.375	.173/.175	.358	600
	10609*	#8-10 Slim	.330	.875	.375	.197/.200	.358	600
	10610*	#8-10	.330	.93	.472	.197/.200	.358	600
	10611*	#12-1/4	.330	.93	.472	.262/.265	.358	600
	10612*	5/16	.330	1.16	.590	.340/.343	.535	600
	10613*	3/8	.330	1.16	.590	.389/.391	.535	600
	10614*	1/2	.330	1.32	.780	.515/.520	.620	600
6	10615*	#8-10	.375	1.14	.470	.197/.200	.530	600
	10615E*	#8-10	.375	1.00	.470	.197/.200	.390	600
	10616*	#12-1/4	.375	1.14	.470	.262/.265	.530	600
	10616E*	#12-1/4	.375	1.00	.470	.262/.265	.390	600
	10617*	5/16	.375	1.22	.620	.325/.328	.530	600
	10618*	3/8	.375	1.22	.620	.397/.400	.530	600
	10619	1/2	.375	1.60	.860	.518/.522	.750	600
4	10898	#10	.467	1.25	.468	.197/.200	.546	600
	10620*	1/4	.470	1.35	.656	.262/.265	.546	600
	10899	1/4	.467	1.25	.468	.262/.265	.546	600
	10621*	5/16	.470	1.35	.656	.325/.328	.546	600
	10622*	3/8	.470	1.35	.656	.397/.400	.546	600
	10623*	1/2	.470	1.60	.860	.518/.522	.750	600
2	10628	1/4	.50	1.55	.625	.262/.265	.710	600
	10629	5/16	.50	1.55	.625	.325/.328	.710	600
	10630	3/8	.50	1.55	.625	.397/.400	.710	600
	10631	1/2	.50	1.60	.860	.518/.522	.710	600
	All dimer	nsions are ir	inches	* =UL and	d CSA li	sted	~ =CSA	listed
	<u>Requir</u>	<u>ed per Ul</u>	L/CSA Require	ements:				
	75° C Max. Temperature Rating Crimp tool HT #20701 Hex (							
		p required	č		•	ength 15/32"		
		tranded wi	re			-	8AWG	90lbs.
			npliance:		Min. Wire Pullout Force			100lbs.
			ated to UL 486 A	-B, File N	IO. ZM	VV.E68376	4AWG	140lbs.
							L	

CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer

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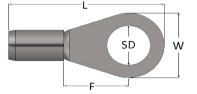
Terms and Conditions at www.hillsdaleterminal.com

HOME



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### 22-18 A.W.G. High Temp Rings



- •1008 Alloy steel .028 thickness
- •Nickel Plated for 900° rating
- Terminal I.D. .078

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10020HT	6	.250	.660	.290	.139/.142	.260	600
10030HT	8	.250	.660	.324	.168/.171	.250	600
10038HT	8 Slim	.250	.660	.290	.168/.171	.260	600
10040HT	10	.250	.660	.324	.194/.197	.250	600
10041HT	1/4	.250	.890	.470	.260/.265	.405	600
10042HT	1/3	.250	.890	.470	.324/.327	.405	600
10043HT	3/8	.250	.990	.558	.394/.398	.469	600

All dimensions are in Inches

### **Instructions**

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4″ (6.4mm)

Min. Wire Pullout Force	22AWG	8lbs.
Will. Wile Pullout Force	20AWG	13lbs.
	18AWG	20lbs.

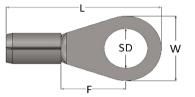
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### 16-14 A.W.G. High Temp Rings



- •1008 Alloy steel .030 thickness
- Nickel Plated for 900°F rating
- Terminal I.D. .093

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10086HT	6	.250	.650	.295	.138/.142	.260	600
10090HT	8	.250	.710	.324	.168/.171	.295	600
10100HT	10	.250	.710	.324	.194/.197	.295	600
10101HT	1/4	.250	.890	.470	.263/.265	.405	600
10114HT	1/4 Slim	.250	.810	.430	.263/.265	.345	600
10102HT	5/16	.250	.890	.470	.324/.327	.405	600
10103HT	3/8	.250	.990	.558	.394/.398	.569	600

All dimensions are in Inches

#### **Instructions**

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4″ (6.4mm)

Vin. Wire Pullout Force	16AWG	30lbs.
	14AWG	50lbs.

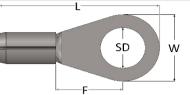
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## 12-10 A.W.G. High Temp Rings



- •1008 Alloy steel .038 thickness
- Nickel Plated for 900°F rating
- Terminal I.D. .141/.144

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10210HT	6	.250	.720	.342	.143/.147	.297	600
10220HT	8	.250	.720	.342	.168/.171	.297	600
10230HT	10	.250	.720	.342	.194/.197	.297	600
10240HT	1/4	.250	.990	.558	.257/.261	.469	600
10245HT	1/4 Slim	.250	.940	.434	.257/.261	.469	600
10250HT	5/16	.250	.990	.558	.327/.323	.469	600
10260HT	3/8	.250	.990	.558	.400/.394	.469	600

All dimensions are in Inches

### Instructions:

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

1in. Wire Pullout Force	12AWG	70lbs.
IIII. WITE PUIIOUL FOICE	10AWG	80lbs.

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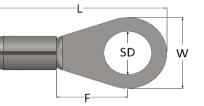
Phone: 1-800-447-3150

Email: sales@hillsdaleterminal.com

## 8-2 A.W.G High Temp Rings

Material Thickness 8 AWG: .042 6 AWG: .050 4 AWG: .070

2 AWG: .070



•HT suffix is 1008 alloy steel w/o brazed seam. Nickel plated for 900°F

A.W.G	Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
8	10610HT	#8-10	.330	.93	.472	.197/.200	.358	600
	10611HT	#12-1/4	.330	.93	.472	.262/.265	.358	600
	10612HT	5/16	.330	1.16	.590	.340/.343	.535	600
	10613HT	3/8	.330	1.16	.590	.389/.391	.535	600
6	10615HT	#8-10	.375	1.14	.470	.197/.200	.530	600
	10616HT	#12-1/4	.375	1.14	.470	.262/.265	.530	600
	10617HT	5/16	.375	1.22	.620	.325/.328	.530	600
	10618HT	3/8	.375	1.22	.620	.397/.400	.530	600
4	10620HT	1/4	.470	1.35	.656	.262/.265	.546	600
	10621HT	5/16	.470	1.35	.656	.325/.328	.546	600
	10622HT	3/8	.470	1.35	.656	.397/.400	.546	600
2	10628HT	1/4	.50	1.55	.625	.262/.265	.710	600
	10630HT	5/16	.50	1.55	.625	.325/.328	.710	600
	10630HT	3/8	.50	1.55	.625	.397/.400	.710	600

### Instructions:

All dimensions are in inches

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20701 Hex Crimp Jr. Strip Length 15/32"

	8AWG	90lbs.
Min. Wire Pullout Force	6AWG	100lbs.
Will. Whe Pullout Force	4AWG	140lbs.
	2AWG	180lbs.

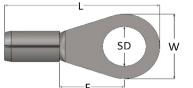
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## 22-18 A.W.G. Brazed Rings



•110 Copper Alloy .028 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .078

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10014BZ	4	.250	.590	.225	.122/.125	.223	600
10020BZ*	6	.250	.660	.290	.139/.142	.260	600
10020EBZ	6	.190	.586	.290	.138/.142	.250	600
10021BZ	6 Slim	.250	.590	.225	.139/.142	.223	600
10021EBZ	6 Slim	.190	.523	.225	.138/.142	.223	600
10030BZ*	8	.250	.660	.324	.168/.171	.250	600
10038BZ	8 Slim	.250	.660	.290	.168/.171	.260	600
10038EBZ	8 Slim	.190	.586	.290	.168/.171	.250	600
10040BZ*	10	.250	.660	.324	.194/.197	.250	600
10040EBZ	10	.190	.586	.290	.194/.197	.253	600
10041BZ*	1/4	.250	.890	.470	.260/.265	.405	600
10044BZ*	1/4 Slim	.250	.810	.430	.263/.265	.345	600
10042BZ*	5/16	.250	.890	.470	.324/.327	.405	600
10042EBZ	5/16	.190	.828	.470	.324/.327	.405	600
10043BZ*	3/8	.250	.990	.558	.394/.398	.469	600
10030LBZ	8	.250	.820	.324	.168/.171	.405	600
10040LBZ	10	.250	.820	.324	.194/.197	.405	600
10040MBZ*	6-8-10	.250	.812	.340	NA	.350	600
All dimensio <b>Required</b>		<sup>ches</sup> SA Requirem	* =UL an <b>ents:</b>	d CSA li	sted	~ =CSA	listed
75° C Max. 1	emperatur	e Rating		Crimp	tool HT #20591-NH1		
One crimp r	equired			Strip Le	ength 1/4" (6.4mm)		
Solid or Stra	nded wire					22AWG	8lbs.
Agency a	nd Comp	liance:		Min. Wire Pullout Force		20AWG	13lbs.
UL Listed, i	nvestigate	d to UL 486 A-B,	File NO.	ZMVV.	E68376	18AWG	20lbs.
CSA 22.2 No. 65-03, Certification NO. 207131							

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

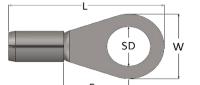
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Terminal



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

## 16-14 A.W.G. Brazed Rings



•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .093

Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage
10084BZ	4	.250	.570	.264	.122/.125	.195	600
10086BZ*	6	.250	.650	.295	.138/.142	.260	600
10086EBZ	6	.188	.588	.295	.139/.142	.260	600
10085BZ	6 Slim	.250	.570	.246	.139/.142	.195	600
10090BZ*	8	.250	.710	.324	.168/.171	.295	600
10098BZ	8 Slim	.250	.650	.295	.168/.172	.260	600
10098EBZ	8 Slim	.188	.588	.295	.168/.172	.260	600
10100BZ*	10	.250	.710	.324	.194/.197	.295	600
10100EBZ	10	.188	.644	.324	.194/.197	.295	600
10101BZ*	1/4	.250	.890	.470	.263/.265	.405	600
10114BZ*	1/4 Slim	.250	.810	.430	.263/.265	.345	600
10114EBZ	1/4 Slim	.188	.750	.430	.263/.265	.345	600
10102BZ*	5/16	.250	.890	.470	.324/.327	.405	600
10102EBZ	5/16	.188	.827	.470	.324/.327	.405	600
10103BZ*	3/8	.250	.990	.558	.394/.398	.569	600
10104BZ*	1/2	.250	1.210	.430	.525/.530	.615	600
10090LBZ	8	.250	.820	.324	.168/.171	.405	600
10100LBZ	10	.250	.820	.324	.194/.197	.405	600
10100MBZ*	6-8-10	.250	.810	.340	NA	.345	600
All dimensior <b>Required</b>		<sup>nes</sup> SA Requireme	* =UL an ents:	d CSA li	sted	~ =CSA	isted
75° C Max. Te	emperature	Rating		Crimp	tool HT #20591-NH1		
One crimp re	quired			Strip Le	ength 1/4" (6.4mm)		
Solid or Strar	nded wire				liro Dullout Forco	16AWG	30lbs
Agency an	d Compli	ance:		iviin. V	/ire Pullout Force	14AWG	50lbs
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131							

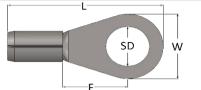
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Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

## 12-10 A.W.G. Brazed Rings



110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10210BZ*	6	.250	.720	.342	.143/.147	.297	600
10215BZ	6 Slim	.250	.720	.290	.143/.147	.297	600
10220BZ*	8	.250	.720	.342	.168/.171	.297	600
10225BZ	8 Slim	.250	.720	.290	.168/.171	.297	600
10230BZ*	10	.250	.720	.342	.194/.197	.297	600
10240BZ*	1/4	.250	.990	.558	.257/.261	.469	600
10245BZ*	1/4 Slim	.250	.940	.434	.257/.261	.469	600
10250BZ*	5/16	.250	.990	.558	.327/.323	.469	600
10260BZ*	3/8	.250	.990	.558	.400/.394	.469	600
10233BZ*	1/2	.250	1.210	.690	.525/.530	.615	600
10230LBZ	10	.250	.940	.434	.194/.197	.469	600
10230MBZ'	6-8-10	.250	.890	.390	NA	.350	600
All dimensi	ons are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed

### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

Min. Wire Pullout Force

12AWG	70lbs.
10AWG	80lbs.

Agency and Compliance:

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

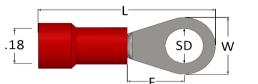
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• Terminal LD. - .078

•110 Copper Alloy .028 thickness,

Electro-Tin Plated .0001"-.0003"

• Rigid PVC Insulator .030 wall thickness

Part #     State       50014     50020*	Stud Size	Barrel Length	O D C T L	W	Stud Diameter(SD)	F	Voltage
			Length	.225			<u> </u>
50020*	4	.250	.80		.122/.125	.223	600
	6	.250	.870	.290	.139/.142	.260	600
50020E	6	.190	.788	.290	.138/.142	.250	600
<u>50021</u>	6 Slim	.250	.80	.225	.139/.142	.223	600
<u>50021E</u>	6 Slim	.190	.718	.225	.138/.142	.223	600
<u>50030*</u>	8	.250	.880	.324	.168/.171	.250	600
<u>50038</u>	8 Slim	.250	.880	.290	.168/.171	.260	600
<u>50038E</u>	8 Slim	.190	.788	.290	.168/.171	.250	600
<u>50040*</u>	10	.250	.880	.324	.194/.197	.250	600
50040E	10	.190	.788	.290	.194/.197	.253	600
<u>50041*</u>	1/4	.250	1.110	.470	.260/.265	.405	600
<u>50044*</u>	1/4 Slim	.250	1.030	.430	.263/.265	.345	600
<u>50044E</u>	1/4 Slim	.190	.960	.430	.263/.265	.345	600
<u>50042*</u>	5/16	.250	1.10	.470	.324/.327	.405	600
<u>50042E</u>	5/16	.190	.828	.470	.324/.327	.405	600
<u>50043*</u>	3/8	.250	1.20	.558	.394/.398	.469	600
50040M	6-8-10	.250	.960	.340	NA	.345	600
All dimension	ons are in l	nches	* =UL and	d CSA li	sted	~ =CSA listed	
Required	per UL/	<b>CSA Requirer</b>	nents:				
75° C Max. <sup>-</sup>				Crimp	tool HT #20592-NH30		
One crimp r	•	0		•	ength 9/32" (7.1mm)		
Solid or Stra	•					22AWG	8lbs.
Agency a				Min. W	/ire Pullout Force	20AWG	-
UL Listed. i	investigate	ed to UL 486 A-F	3. File NC	. ZMV	V.E68376	18AWG	20lbs.
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 [18AWG 20lbs.] CSA 22.2 No. 65-03, Certification NO. 207131							

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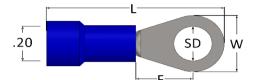
Terminal



# **Hillsdale Terminal**

Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### 16-14 A.W.G. Vinyl Rings



### • Terminal I.D. - .093

•110 Copper Alloy .030 thickness,

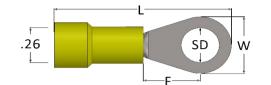
Electro-Tin Plated .0001"-.0003"

• Rigid PVC Insulator .030 wall thickness

Pa	art #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage	
	0084	4	.250	.880	.264	.122/.125	.195	600	1
	0086*	6	.250	.880	.295	.138/.142	.260	600	1
	0086E	6	.188	.778	.295	.139/.142	.260	600	1
	0085	6 Slim	.250	.790	.246	.139/.142	.195	600	1
50	0090*	8	.250	.930	.324	.168/.171	.295	600	1
50	0098	8 Slim	.250	.880	.295	.168/.172	.260	600	1
50	0098E	8 Slim	.188	.795	.295	.168/.172	.260	600	1
50	0100*	10	.250	.930	.324	.194/.197	.295	600	1
50	0100E	10	.188	.860	.324	.194/.197	.295	600	1
50	0101*	1/4	.250	1.110	.470	.263/.265	.405	600	1
50	)114*	1/4 Slim	.250	1.030	.430	.263/.265	.345	600	1
50	)114E	1/4 Slim	.188	.970	.430	.263/.265	.345	600	1
50	0102*	5/16	.250	1.110	.470	.324/.327	.405	600	1
50	0102E	5/16	.188	1.050	.470	.324/.327	.405	600	1
50	0103*	3/8	.250	1.210	.558	.394/.398	.569	600	1
50	0104*	1/2	.250	1.430	.430	.525/.530	.615	600	1
501	100M*	6-8-10	.250	1.020	.340	NA	.345	600	1
All d	Jimens	ions are in I	inches	* =UL and	d CSA li	sted	~ =CSA	listed	
Rec	aui <u>re</u>	d pe <u>r UL</u> /	/CSA Requirer	men <u>ts:</u>					
		. Temperatu			Crimp	tool HT #20592-NH30			
		required			•	ength 9/32" (7.1mm)			
	•	randed wire	2	,			16AWG	G 30lbs.	1
		and Com		ļ	Min. W	Vire Pullout Force	14AWG		1
			ed to UL 486 A-E	R File N(	ש זע 7MV		<u> </u>		1
		-	Certification NC			V.L00370			
		No. 05 03,		. 207 101					
						improperly. Improper use can			
-	-				-	ocal building inspector. A licens			-
MUST DE COI	nsuiteu i	.0 determine ui	at the correct wire and	J terminai siz	20 IS USeu	d and that it is properly and saf	ely instant	ed for all applic	cations.
		1. Competie				· · · · · · · · · · · · · · · · · · ·			
	•					ale Terminal's products are ba I must evaluate it and determ			
appplication	on. You ad	accept all risks a	and liability associated	ed with such	use. Any	statements related to the pro	oduct whi	ich ar enot in I	Hillsdale
Terminal's cu	ırrent pu	ublications sha	ll have no force or eff			agreed upon, in writing, by a s	sanctione	d memeber o:	∫f Hillsdal
1				Ter	rminal				



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### 12-10 A.W.G. Vinyl Rings

- Terminal I.D. .141/.144
- •110 Copper Alloy .038 thickness,
- Electro-Tin Plated .00025"-.0004"
- Rigid PVC Insulator .032 wall thickness

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage	
50210*	6	.250	1.020	.342	.143/.147	.297	600	
50215	6 Slim	.250	1.0	.290	.143/.147	.297	600	
50220*	8	.250	1.020	.342	.168/.171	.297	600	
50225	8 Slim	.250	1.0	.290	.168/.171	.297	600	
50230*	10	.250	1.020	.342	.194/.197	.297	600	
50240*	1/4	.250	1.30	.558	.257/.261	.469	600	
50245*	1/4 Slim	.250	1.230	.434	.257/.261	.469	600	
50250*	5/16	.250	1.30	.558	.327/.323	.469	600	
50260*	3/8	.250	1.30	.558	.400/.394	.469	600	
50233*	1/2	.250	1.50	.690	.525/.530	.615	600	
50235	1/2 Wide	.250	1.560	.760	.518/.522	.620	600	
50230M*	6-8-10	.250	1.190	.390	NA	.350	600	
All dimensions are in Inches * =UL ar				d CSA li	sted	~ =CSA	listed	
<b>Require</b>	d per UL/	CSA Requirer	<u>nents:</u>					
75° C Max.	Temperatu	ire Rating		Crimp tool HT #20593-NH13				
<u> </u>				· · · · · · · · · · · · · · · · · · ·				

One crimp required Solid or Stranded wire

## Strip Length 9/32" (7.1mm)

Min. Wire Pullout Force

12AWG	70lbs.
10AWG	80lbs.

**Agency and Compliance:** 

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376

CSA 22.2 No. 65-03, Certification NO. 207131

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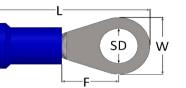
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## 8-6 A.W.G Vinyl Rings

Material Thickness: 8 AWG: .042 6 AWG: .050



•Alloy 110 Copper with brazed seam. Electro-Tin Plated .00025-.0004 thick

90lbs.

100lbs.

Rigid PVC insulator
Bell 8 AWG I.D. - .320
Bell 6 AWG I.D. - 410

						Bell 6 AWG I.D410	)		
A.W.G.	Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage	
8	50608	#8	.330	1.25	.375	.173/.175	.358	600	
	50609	#8-10 Slim	.330	1.22	.375	.197/.200	.358	600	
	50610	#8-10	.330	1.27	.472	.197/.200	.358	600	
	50611	#12-1/4	.330	1.27	.472	.262/.265	.358	600	
	50612	5/16	.330	1.50	.590	.340/.343	.535	600	
	50613	3/8	.330	1.50	.590	.389/.391	.535	600	
	50614	1/2	.330	1.66	.780	.515/.520	.620	600	
6	50615	#8-10	.375	1.54	.470	.197/.200	.530	600	
	50615E	#8-10	.375	1.40	.470	.197/.200	.390	600	
	50616	#12-1/4	.375	1.54	.470	.262/.265	.530	600	
	50616E	#12-1/4	.375	1.40	.470	.262/.265	.390	600	
	50617	5/16	.375	1.62	.620	.325/.328	.530	600	
	50618	3/8	.375	1.62	.620	.397/.400	.530	600	
	50619	1/2	.375	2.0	.860	.518/.522	.750	600	
	All dimen	sions are in	Inches	* =UL an	d CSA li	sted	~ =CSA	listed	
	<u>Require</u>	ed per UL	/CSA Require	<u>ments:</u>					
	75° C Max	k. Temperat	ure Rating		Crimp tool HT #20701 Hex Crimp Jr.				
	One crim	o required			Strip Length 9/32" (7.1mm)				

Solid or Stranded wire

### Agency and Compliance:

Min. Wire Pullout Force 6AWG

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376

CSA 22.2 No. 65-03, Certification NO. 207131

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.18

# Hillsdale Terminal

Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### 22-18 A.W.G. Nylon Rings



•110 Copper Alloy .028 thickness, Electro-Tin Plated .0001"-.0003" •Nylon Insulator .030 thickness

50021EN     62       50030N*     8       50038N     82       50038EN     82       50040N*     10       50040EN     10       50041N*     12       50044N*     1/4	Slim Slim Slim Slim 1/4	.250 .250 .190 .250 .190 .250 .250 .190 .250	.80 .870 .788 .80 .718 .880 .880 .788	.225 .290 .225 .225 .324 .290 .290	.122/.125 .139/.142 .138/.142 .139/.142 .138/.142 .168/.171 .168/.171	.223 .260 .250 .223 .223 .250 .260	600 600 600 600 600 600
50020EN   6     50021N   6     50021EN   6     50030N*   8     50038N   8     50038EN   10     50040N*   10     50041N*   1/4	Slim Slim Slim	.190 .250 .190 .250 .250 .190 .250	.788 .80 .718 .880 .880 .788	.290 .225 .225 .324 .290	.138/.142 .139/.142 .138/.142 .168/.171 .168/.171	.250 .223 .223 .250	600 600 600 600
50021N     6       50021EN     6       50030N*     8       50038N     8       50038N     8       50038EN     8       50040N*     10       50041N*     10       50044N*     1/4	Slim Slim Slim	.250 .190 .250 .250 .190 .250	.80 .718 .880 .880 .788	.225 .225 .324 .290	.139/.142 .138/.142 .168/.171 .168/.171	.223 .223 .250	600 600 600
50021EN     6       50030N*     8       50038N     8       50038EN     8       50038EN     8       50040N*     10       50040EN     10       50041N*     1       50044N*     1	Slim Slim Slim	.190 .250 .250 .190 .250	.718 .880 .880 .788	.225 .324 .290	.138/.142 .168/.171 .168/.171	.223 .250	600 600
50030N*     8       50038N     8       50038EN     8       50040N*     10       50040EN     10       50041N*     12       50044N*     1/4	Slim Slim	.250 .250 .190 .250	.880 .880 .788	.324 .290	.168/.171 .168/.171	.250	600
50038N     8       50038EN     8       50040N*     10       50040EN     10       50041N*     10       50044N*     1/4	Slim	.250 .190 .250	.880 .788	.290	.168/.171		
50038EN     8       50040N*     10       50040EN     10       50041N*     10       50044N*     1/4	Slim	.190 .250	.788			.260	600
50040N*     10       50040EN     10       50041N*     11       50044N*     1/4		.250		290			600
50040EN     10       50041N*     1       50044N*     1/4	1/4			.230	.168/.171	.250	600
50041N* 50044N* 1/4	1/4		.880	.324	.194/.197	.250	600
50044N* 1/4	1//	.190	.788	.290	.194/.197	.253	600
· · · · ·	1/4	.250	1.110	.470	.260/.265	.405	600
	4 Slim	.250	1.030	.430	.263/.265	.345	600
50044EN 1/4	4 Slim	.190	.960	.430	.263/.265	.345	600
50042N*	5/16	.250	1.10	.470	.324/.327	.405	600
50042EN	5/16	.190	.828	.470	.324/.327	.405	600
50043N*	3/8	.250	1.20	.558	.394/.398	.469	600
50040MN* 6-8	8-10	.250	.960	.340	NA	.345	600
All dimensions a	are in Ir	nches	* =UL an	d CSA li	sted	~ =CSA	listed
<b>Required</b> pe	er UL/(	CSA Requiren	nents:				
75° C Max. Tem				Crimp	tool HT #20592-NH30		
One crimp requ	uired	C		Strip Le	ength 9/32" (7.1mm)		
Solid or Strande	ed wire					22AWC	i 8lbs.
Agency and	Comp	oliance:		Min. W	/ire Pullout Force	20AWG	i 13lbs.
UL Listed, inve	estigate	ed to UL 486 A-E	, File NO	. ZMV	/.E68376	18AWC	i 20lbs.
CSA 22.2 No. 6	55-03, C	Certification NO	. 207131				

must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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# Hillsdale Terminal

Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

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## 16-14 A.W.G. Nylon Rings



• Terminal I.D. - .093

		<b>a</b> . <b>1 a</b>					_		1		
Part		Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage			
5008		4	.250	.880	.264	.122/.125	.195	600	-		
50086		6	.250	.880	.295	.138/.142	.260	600	4		
50086		6	.188	.778	.295	.139/.142	.260	600	-		
5008		6 Slim	.250	.790	.246	.139/.142	.195	600	4		
50090		8	.250	.930	.324	.168/.171	.295	600	-		
5009		8 Slim	.250	.880	.295	.168/.172	.260	600	-		
50098		8 Slim	.188	.795	.295	.168/.172	.260	600	-		
50100		10	.250	.930	.324	.194/.197	.295	600	4		
50100		10	.188	.860	.324	.194/.197	.295	600			
50102		1/4	.250	1.110	.470	.263/.265	.405	600			
50114	1N*	1/4 Slim	.250	1.030	.430	.263/.265	.345	600			
50114	1EN	1/4 Slim	.188	.970	.430	.263/.265	.345	600			
50102	2N*	5/16	.250	1.110	.470	.324/.327	.405	600			
50102	2EN	5/16	.188	1.050	.470	.324/.327	.405	600			
50103		3/8	.250	1.210	.558	.394/.398	.569	600			
50104	1N*	1/2	.250	1.430	.430	.525/.530	.615	600			
50100	50100MN* 6-8-10 .250 1.020 .340 NA .345 600										
All din	nensi	ons are in l	nches	* =UL and	d CSA li	sted	~ =CSA	listed			
<u>Requ</u>	irec	d per UL/	CSA Requirer	<u>nents:</u>							
75° C I	Max.	Temperatu	ire Rating		Crimp	tool HT #20592-NH30					
One ci	imp	required			Strip Le	ength 9/32" (7.1mm)					
Solid c	or Str	anded wire	!				16AW0	G 30lbs.	]		
Agen	ICV a	and Com	pliance:		Min. W	/ire Pullout Force	14AW0	G 50lbs.	1		
			ed to UL 486 A-E	8 File NC	) 71/1//	/ F68376			]		
		-	Certification NC								
CJA Z	۱ ۲.۰	vo. 0 <i>3-</i> 03,		. 207131							
						improperly. Improper use can					
-	-				-	cal building inspector. A licens			-		
must be consi	ulted to	o determine th	at the correct wire and	l terminal siz	e is used	and that it is properly and saf	ely install	ed for all appl	ications.		
						le Terminal's products are ba					
						must evaluate it and determ statements related to the pro					
						agreed upon, in writing, by a					
					minal		-				
			Terms and Condi	tions at w	nana hill	sdaleterminal.com			HOME		
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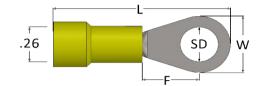


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## 12-10 A.W.G. Nylon Rings

property

engineer



•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
50210N*	6	.250	1.020	.342	.143/.147	.297	600
50215N	6 Slim	.250	1.0	.290	.143/.147	.297	600
50220N*	8	.250	1.020	.342	.168/.171	.297	600
50225N	8 Slim	.250	1.0	.290	.168/.171	.297	600
50230N*	10	.250	1.020	.342	.194/.197	.297	600
50240N*	1/4	.250	1.30	.558	.257/.261	.469	600
50245N*	1/4 Slim	.250	1.230	.434	.257/.261	.469	600
50250N*	5/16	.250	1.30	.558	.327/.323	.469	600
50260N*	3/8	.250	1.30	.558	.400/.394	.469	600
50233N*	1/2	.250	1.50	.690	.525/.530	.615	600
50230MN*	6-8-10	.250	1.190	.390	NA	.350	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
<b>Require</b>	d per UL/	CSA Requirer	<u>ments:</u>				
75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20593-NH13		
One crimp	required			Strip L	ength 9/32" (7.1mm)		
Solid or Sti	randed wire			N 41		12AW0	G 70lbs.
Agency	and Com	pliance:		iviin. v	/ire Pullout Force	10AW0	G 80lbs.
		ed to UL 486 A-I	B, File NC	). ZMV	V.E68376		
	-	Certification NC					
NG! Installation . For safe wiring	of electrical w g practices, cor	ire and terminals can t nsult National Electrica	be hazardou al Code and/	s if done or your lo	improperly. Improper use can cal building inspector. A licen I and that it is properly and sa	sed electri	ical contracto

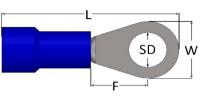
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## 8-2 A.W.G Nylon Rings

Material Thickness 8 AWG: .042 6 AWG: .050 4 AWG: .070 2 AWG: .070



•Alloy 110 Copper with brazed seam. Electro-Tin Plated .00025-.0004 thick

• 8 AWG Insulator I.D. - .320

• 6 AWG Insulator I.D. - .410

• 4 AWG Insulator I.D. - .510

						• 2 AWG Insulator I.D	.590	
A.W.G.	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage
8	50608N	#8	.330	1.25	.375	.173/.175	.358	600
	50609N	#8-10 Slim	.330	1.22	.375	.197/.200	.358	600
	50610N	#8-10	.330	1.27	.472	.197/.200	.358	600
	50611N	#12-1/4	.330	1.27	.472	.262/.265	.358	600
	50612N	5/16	.330	1.50	.590	.340/.343	.535	600
	50613N	3/8	.330	1.50	.590	.389/.391	.535	600
	50614N	1/2	.330	1.66	.780	.515/.520	.620	600
6	50615N	#8-10	.375	1.54	.470	.197/.200	.530	600
	50615EN	#8-10	.375	1.40	.470	.197/.200	.390	600
	50616N	#12-1/4	.375	1.54	.470	.262/.265	.530	600
	50616EN	#12-1/4	.375	1.40	.470	.262/.265	.390	600
	50617N	5/16	.375	1.62	.620	.325/.328	.530	600
	50618N	3/8	.375	1.62	.620	.397/.400	.530	600
	50619N	1/2	.375	2.00	.860	.518/.522	.750	600
4	50898N	#10 Slim	.467	1.68	.468	.197/.200	.546	600
	50620N	1/4	.470	1.75	.656	.262/.265	.546	600
	50899N	1/4 Slim	.467	1.68	.468	.262/.265	.546	600
	50621N	5/16	.470	1.75	.656	.325/.328	.546	600
	50622N	3/8	.470	1.75	.656	.397/.400	.546	600
	50623N	1/2	.470	2.00	.860	.518/.522	.750	600
2	50628N	1/4	.50	2.05	.625	.262/.265	.710	600
	50629N	5/16	.50	2.05	.625	.325/.328	.710	600
	50630N	3/8	.50	2.05	.625	.397/.400	.710	600
	50631N	1/2	.50	2.10	.860	.518/.522	.710	600
	All dimens	sions are in	Inches	* =UL and	d CSA li	sted	~ =CSA	listed

### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required

Crimp tool HT #20701 Hex Crimp Jr.

Strip Length 15/32"

Solid or Stranded wire		8AWG	90lbs.
Agency and Compliance:	Min. Wire Pullout Force	6AWG	100lbs.
UL Listed, investigated to UL 486 A-B, File N	D. ZMVV.E68376	4AWG	140lbs.
CSA 22.2 No. 65-03, Certification NO. 20713	1	2AWG	180lbs.

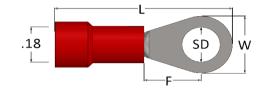
WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### 22-18 A.W.G. 3-Piece Rings



•110 Copper Alloy .028 thickness,

Electro-Tin Plated .0001"-.0003"

- Terminal I.D. .078
- Brass Sleeve

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
30014	4	.250	.790	.225	.122/.125	.223	600
30020	6	.250	.850	.290	.139/.142	.260	600
30021	6 Slim	.250	.80	.225	.139/.142	.223	600
30030	8	.250	.870	.324	.168/.171	.250	600
30038	8 Slim	.250	.870	.290	.168/.171	.260	600
30040	10	.250	.870	.324	.194/.197	.250	600
30041	1/4	.250	1.110	.470	.260/.265	.405	600
30044	1/4 Slim	.250	1.010	.430	.263/.265	.345	600
30042	5/16	.250	1.110	.470	.324/.327	.405	600
30043	3/8	.250	1.20	.558	.394/.398	.469	600
30040M	6-8-10	.250	.960	.340	NA	.345	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
Require	d per UL/	<b>CSA</b> Requirer	nents:				

75° C Max. Temperature Rating One crimp required Solid or Stranded wire **Agency and Compliance:**  Crimp tool HT #20592-NH30

Strip Length 9/32" (7.1mm)

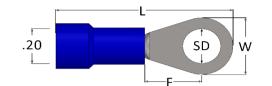
Solid or Stranded wire		22AWG	8lbs.
Agency and Compliance:	Min. Wire Pullout Force	20AWG	
UL Listed, investigated to UL 486 A-B, File NC	. ZMVV.E68376	18AWG	20lbs.
CSA 22.2 No. 65-03, Certification NO. 207131			

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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## 16-14 A.W.G. 3-Piece Rings

•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

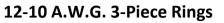
• Terminal I.D. - .093

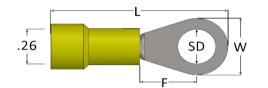
•Brass Sleeve

_										
	Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage		
	30084	4	.250	.880	.264	.122/.125	.195	600		
	30086	6	.250	.860	.295	.138/.142	.260	600		
	30085	6 Slim	.250	.770	.246	.139/.142	.195	600		
	30090	8	.250	.910	.324	.168/.171	.295	600		
	30098	8 Slim	.250	.880	.295	.168/.172	.260	600		
	30100	10	.250	.910	.324	.194/.197	.295	600		
	30101	1/4	.250	1.10	.470	.263/.265	.405	600		
	30114	1/4 Slim	.250	1.020	.430	.263/.265	.345	600		
	30102	5/16	.250	1.110	.470	.324/.327	.405	600		
	30103	3/8	.250	1.20	.558	.394/.398	.569	600		
	30104	1/2	.250	1.420	.430	.525/.530	.615	600		
	30100M	6-8-10	.250	1.020	.340	NA	.345	600		
All dimensions are in Inches * =UL and CSA listed ~ =CSA listed										
l	Require	d per UL/	<b>CSA Requirer</b>	ments:						
75° C Max. Temperature Rating Crimp tool HT #20592-NH30										
(	One crimp	required	C		Strip Le	ength 9/32" (7.1mm)				
9	Solid or Str	anded wire					16AWG	30lbs.		
	Agency a	and Com	oliance:		Min. W	/ire Pullout Force	14AWG	50lbs.		
-			ed to UL 486 A-E	R File NC	) 71/1//	/ F68376				
		_	Certification NC			V.200570				
mage. F	or safe wiring	practices, cor	nsult National Electrica	al Code and/	or your lo	improperly. Improper use can cal building inspector. A licens I and that it is properly and sat	sed electri	cal contractor		
the pre appplic	cision or com ation. You ad	npleteness is n ccept all risks a	ot definite. Before us and liability associated	ing this proo d with such ect unless e	duct, you use. Any	le Terminal's products are ba must evaluate it and determ statements related to the pro agreed upon, in writing, by a	ine if it is oduct whic	suitable for y ch ar enot in		
			Terms and Condi	tions at w	/ww.hill	sdaleterminal.com				



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•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

Brass Sleeve

30210	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage	
	6	.250	1.030	.342	.143/.147	.297	600	
30215	6 Slim	.250	1.0	.290	.143/.147	.297	600	
30220	8	.250	1.030	.342	.168/.171	.297	600	
30225	8 Slim	.250	1.0	.290	.168/.171	.297	600	
30230	10	.250	1.030	.342	.194/.197	.297	600	
30240	1/4	.250	1.310	.558	.257/.261	.469	600	
30245	1/4 Slim	.250	1.230	.434	.257/.261	.469	600	
30250	5/16	.250	1.30	.558	.327/.323	.469	600	
30260	3/8	.250	1.310	.558	.400/.394	.469	600	
30233	1/2	.250	1.510	.690	.525/.530	.615	600	
30235	1/2 Wide	.250	1.550	.760	.518/.522	.620	600	
30230M	6-8-10	.250	1.190	.390	NA	.350	600	
All dimensi	ons are in l	nches	* =UL and	d CSA li	sted	~ =CSA	listed	
<u>Require</u>	d per UL/	CSA Requirer	<u>nents:</u>					
75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20593-NH13			
One crimp	required			Strip Length 9/32" (7.1mm)				
Solid or Str	anded wire					12AW0	5 70lbs.	
Agency a	and Com	pliance:		iviin. W	/ire Pullout Force	10AW0	6 80lbs.	
UL Listed,	investigat	ed to UL 486 A-E	B, File NC	. ZMV	V.E68376			
CCA 22 21	No. 65-03,	Certification NC	. 207131	_				

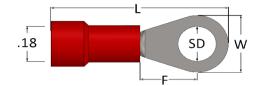
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### 22-18 A.W.G. Heat Shrink Rings



•110 Copper Alloy .028 thickness,

- Electro-Tin Plated .0001"-.0003"
- Terminal I.D. .078
- •L suffix denotes long neck terminals

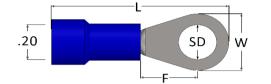
Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
40014	4	.250	1.090	.225	.122/.125	.223	600
40020	6	.250	1.180	.290	.139/.142	.260	600
40021	6 Slim	.250	1.090	.225	.139/.142	.223	600
40030	8	.250	1.180	.324	.168/.171	.250	600
40030L	8	.250	1.340	.324	.168/.171	.405	600
40038	8 Slim	.250	1.180	.290	.168/.171	.260	600
40040	10	.250	1.180	.324	.194/.197	.250	600
40040L	10	.250	1.340	.324	.194/.197	.405	600
40041	1/4	.250	1.190	.470	.260/.265	.405	600
40044	1/4 Slim	.250	1.310	.430	.263/.265	.345	600
40042	5/16	.250	1.390	.470	.324/.327	.405	600
40043	3/8	.250	1.490	.558	.394/.398	.469	600
40040M	6-8-10	.250	1.330	.340	NA	.345	600
All dimens	ions are in I	nches	* =UL an	d CSA li	sted	~ =CSA	listed
<u>Require</u>	d per UL/	CSA Requirer	<u>nents:</u>				
75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20596		
One crimp	required			Strip L	ength 9/32" (7.1mm)		
Solid or Sti	randed wire					22AW0	G 8lbs.
Agency a	and Com	pliance:		win. w	/ire Pullout Force	20AW(	G 13lbs.
UL Listed,	investigat	ed to UL 486 A-6	B, File NC	. ZMV	V.E68376	18AW0	G 20lbs.
	No 65-03	Certification NC	. 207131	L			•

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## 16-14 A.W.G. Heat Shrink Rings



•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

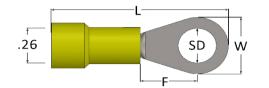
• Terminal I.D. - .093

•L suffix denotes long neck terminals

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage		
40084	4	.250	1.070	.264	.122/.125	.195	600		
40086	6	.250	1.160	.295	.138/.142	.260	600		
40085	6 Slim	.250	1.070	.246	.139/.142	.195	600		
40090	8	.250	1.210	.324	.168/.171	.295	600		
40090L	8	.250	1.320	.324	.168/.171	.405	600		
40098	8 Slim	.250	1.150	.295	.168/.172	.260	600		
40100	10	.250	1.210	.324	.194/.197	.295	600		
40100L	10	.250	1.320	.324	.194/.197	.405	600		
40101	1/4	.250	1.390	.470	.263/.265	.405	600		
40114	1/4 Slim	.250	1.310	.430	.263/.265	.345	600		
40102	5/16	.250	1.390	.470	.324/.327	.405	600		
40103	3/8	.250	1.490	.558	.394/.398	.569	600		
40104	1/2	.250	1.710	.430	.525/.530	.615	600		
40100M	6-8-10	.250	1.330	.340	NA	.345	600		
All dimensions are in Inches * =UL and CSA listed ~ =CSA listed									
Required per UL/CSA Requirements:     75° C Max. Temperature Rating   Crimp tool HT #20596									
One crimp	required			Strip Le	ength 9/32" (7.1mm)				
Solid or Sti	randed wire					16AW0	3 30lbs.		
Agency	and Com	oliance:		Min. W	/ire Pullout Force	14AW0	5 50lbs.		
UL Listed,	investigat	ed to UL 486 A-E Certification NC			/.E68376				
For safe wiring	g practices, cor	nsult National Electrica	al Code and/	or your lo	mproperly. Improper use can cal building inspector. A licen and that it is properly and sa	sed electr	ical contracto		
For safe wiring be consulted f ents, procedu ecision or con cation. You a	g practices, con to determine th ral information npleteness is n ccept all risks a	nsult National Electrica at the correct wire and n, and recommendation ot definite. Before us	al Code and/ I terminal siz ons related t ing this proc d with such	or your lo ze is used to Hillsda duct, you use. Any	cal building inspector. A licen and that it is properly and sa le Terminal's products are b must evaluate it and determ statements related to the pr	sed electr fely install ased on d nine if it is oduct wh	ical contracto ed for all appl ata believed suitable for ich ar enot in		



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com



12-10 A.W.G. Heat Shrink Rings

•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

•L suffix denotes long neck terminals

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
40210	6	.250	1.150	.342	.143/.147	.297	600
40215	6 Slim	.250	1.150	.290	.143/.147	.297	600
40220	8	.250	1.150	.342	.168/.171	.297	600
40225	8 Slim	.250	1.250	.290	.168/.171	.297	600
40230	10	.250	1.150	.342	.194/.197	.297	600
40230L	10	.250	1.440	.434	.194/.197	.469	600
40240	1/4	.250	1.450	.558	.257/.261	.469	600
40245	1/4 Slim	.250	1.490	.434	.257/.261	.469	600
40250	5/16	.250	1.550	.558	.327/.323	.469	600
40260	3/8	.250	1.450	.558	.400/.394	.469	600
40233	1/2	.250	1.690	.690	.525/.530	.615	600
40230M	6-8-10	.250	1.390	.390	NA	.350	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed

### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required Solid or Stranded wire **Agency and Compliance:** 

Crimp tool HT #20596

Strip Length 9/32" (7.1mm)

Min. Wire Pullout Force

12AWG 70lbs. 10AWG 80lbs.

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376

CSA 22.2 No. 65-03, Certification NO. 207131

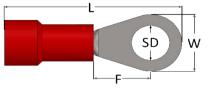
WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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## 8 A.W.G. Heat Shrink Rings



•110 Copper Alloy .042 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. .18

Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage
40608	8	.330	1.50	.375	.173/.175	.358	600
40609	10 Slim	.330	1.47	.375	.197/.200	.358	600
40610	10	.330	1.52	.472	.197/.200	.358	600
40611	1/4	.330	1.52	.472	.262/.265	.358	600
40612	5/16	.330	1.75	.590	.340/.343	.535	600
40613	3/8	.330	1.75	.590	.389/.391	.535	600
40614	1/2	.330	1.91	.780	.515/.520	.620	600
A 11 11			*				1

All dimensions are in Inches

\* =UL and CSA listed

~ =CSA listed

### Required per UL/CSA Requirements:

75° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20701 Hex Crimp Jr.

Strip Length 9/32" (7.1mm)

		-	•			
Min.	Wire	Pullou	ut Force	j	8AWG	90lbs.

### **Agency and Compliance:**

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

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### 22-18 A.W.G. Uninsulated Spades

22AWG

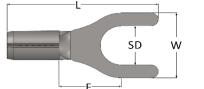
20AWG

18AWG

8lbs.

13lbs.

20lbs.



•110 Copper Alloy .028 thickness,

Electro-Tin Plated .0001"-.0003"

• Terminal LD. - 078

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10050*	#6	.250	.730	.250	.149	.321	600
10051*	#6 Snap	.250	.730	.250	.149	.321	600
10052*	#6 Block	.250	.730	.250	.149	.321	600
10054	#4	.250	.670	.250	.125	.289	600
10055	#6 Short	.250	.670	.250	.145	.321	600
10056	#6 Block Wide	.250	.730	.30	.149	.321	600
10060*	#8	.250	.730	.312	.175	.321	600
10061*	#8 Snap	.250	.730	.312	.175	.321	600
10062*	#8 Block	.250	.730	.312	.175	.321	600
10068	#8 Slim	.250	.730	.268	.175	.321	600
10070*	#10	.250	.730	.312	.203	.321	600
10071*	#10 Snap	.250	.730	.312	.203	.321	600
10072*	#10 Block	.250	.730	.312	.203	.321	600
10075	1/4	.250	.990	.470	.260	.469	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed

### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating

### One crimp required

#### Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

Min. Wire Pullout Force

Solid or Stranded wire

## **Agency and Compliance:**

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

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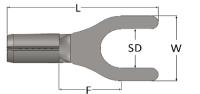
### 16-14 A.W.G. Uninsulated Spades

16AWG

14AWG

30lbs.

50lbs.



•110 Copper Alloy .030 thickness,

Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .093

Strip Length 1/4" (6.4mm)

Min. Wire Pullout Force

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10140*	#6	.250	.710	.250	.150	.303	600
10141*	#6 Snap	.250	.710	.250	.150	.303	600
10142*	#6 Block	.250	.710	.250	.150	.303	600
10144	#4 Block	.250	.670	.250	.125	.250	600
10146	#6 Wide Block	.250	.730	.30	.149	.303	600
10150*	#8	.250	.730	.344	.175	.303	600
10151*	#8 Snap	.250	.730	.30	.175	.303	600
10152*	#8 Block	.250	.730	.30	.175	.303	600
10158	#8 Slim Block	.250	.710	.260	.175	.303	600
10160*	#10	.250	.730	.344	.205	.303	600
10161*	#10 Snap	.250	.730	.320	.205	.303	600
10162*	#10 Block	.250	.730	.320	.205	.303	600
10165*	1/4	.250	.990	.470	.260	.469	600
All dimensions are in Inches * =UL ar				d CSA li	sted	~ =CSA	listed
<u>Require</u>	d per UL/	CSA Requirer	<u>nents:</u>				
75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20591-NH1		

One crimp required

Solid or Stranded wire

#### **Agency and Compliance:**

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376

CSA 22.2 No. 65-03, Certification NO. 207131

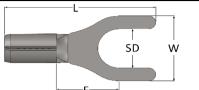
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# Hillsdale Terminal

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12-10 A.W.G. Uninsulated Spades

•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

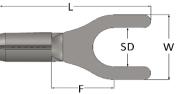
			<b>-</b>				_		
	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage	
	10234	1/4	.250	.990	.470	.260	.469	600	
_	10241	1/4 Snap	.250	.990	.470	.212	.469	600	
	10270* #6 .250 .720 .350 .149 .29							600	
	10271*	#6 Snap	.250	.720	.296	.149	.294	600	
	10272*	#6 Block	6 Block .250 .720 .296 .149 .294						
	10280*	#8	.250	.720	.350	.175	.294	600	
	10281*	#8 Snap	.250	.720	.325	.175	.294	600	
	10282*	#8 Block	.250	.720	.325	.175	.294	600	
	10290*	#10	.250	.720	.370	.203	.294	600	
	10291*	#10 Snap	.250	.720	.350	.203	.294	600	
	10292*	#10 Block	.250	.720	.350	.203	.294	600	
All dimensions are in Inches * =UL and CSA listed ~ =CSA listed									
	Required per UL/CSA Requirements:								
75° C Max. Temperature Rating Crimp tool HT #20591-NH1									
	One crimp	•	0		Strip Length 1/4" (6.4mm)				
	Solid or Stranded wire 12AWG 70lbs.								
		and Com			Min. Wire Pullout Force		10AW0		
						1 5 6 9 7 6	10,	001001	I
		•	ed to UL 486 A-E	•		V.E08370			
(	25A 22.2 I	NO. 65-03,	Certification NC	0. 207131					
damage. F	WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.								
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### 8-6 A.W.G Uninsulated Spades

Material Thickness: 8 AWG: .042 6 AWG: .050



•Alloy 110 Copper with brazed seam. Electro-Tin Plated .00025-.0004 thick

	<b>-</b>						<u>т – т</u>			
A.W.G.	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage		
8	10607	#10	.330	0.94	.360	.200	.358	600		
8	10606	1/4	.330	0.94	.472	.260	.358	600		
6	10726	1/4	.413	1.00	.433	.252	.421	600		
	All dimens	sions are in	Inches	* =UL an	d CSA li	sted	~ =CSA	listed		
	Instructions:									
	75° C Max	k. Temperati	ure Rating		Crimp	tool HT #20701				
One crimp required Strip Length 9/32" (7.1mm)										
	Solid or St	tranded wire	2		Min. Wire Pullout Force			90lbs.		
					iviin. v	/ire Pullout Force	6AWG	100lbs.		
lamage. For saf	VARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property amage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.									
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			Terms and Condi	tions at w	ww.hil	sdaleterminal.com		HOME		



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SD

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### 22-18 A.W.G. High Temp Spades

•1008 Alloy steel. .028 thickness Nickel Plated for 900°F rating

• Terminal I.D. - .078

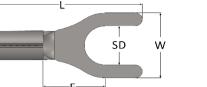
Part #     Stud Size     Barrel Length     Length     W     Stud Diameter(SD)     F     Volta       10050HT     #6     .250     .730     .250     .149     .321     600       10060HT     #8     .250     .730     .312     .175     .321     600       10070HT     #10     .250     .730     .312     .203     .321     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed     ~ =CSA listed
10060HT   #8   .250   .730   .312   .175   .321   600     10070HT   #10   .250   .730   .312   .203   .321   600     All dimensions are in Inches   * =UL and CSA listed   ~ =CSA listed     Instructions:
10070HT     #10     .250     .730     .312     .203     .321     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed     ~ =CSA listed       Instructions:
All dimensions are in Inches   * =UL and CSA listed   ~ =CSA listed     Instructions:   *
Instructions:
482° C Max. Temperature Rating Crimp tool HT #2059-NH1
One crimp required Strip Length 1/4" (6.4mm)
Solid or Stranded wire 22AWG 8lbs
Min. Wire Pullout Force 20AWG 13lb
18AWG 201

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## 16-14 A.W.G. High Temp Spades



 1008 Alloy steel. Nickel Plated for 900°F rating

• Terminal I.D. - .093

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10140HT	#6	.250	.710	.250	.150	.303	600
10150HT	#8	.250	.730	.344	.175	.303	600
10152HT	#8 Block	.250	.730	.30	.175	.303	600
10160HT	#10	.250	.730	.344	.205	.303	600
All dimons	ions aro in l	nchoc	* -111 200		stod	~ C S A	lictod

All dimensions are in Inches

#### =UL and CSA listed

CSA listed

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

Min. Wire Pullout Force	16AWG	30lbs.
with whe fullout force	14AWG	50lbs.

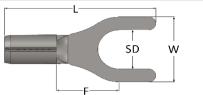
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## 12-10 A.W.G. High Temp Spades



 1008 Alloy steel. Nickel Plated for 900°F rating

• Terminal I.D. - .141/.144

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10234HT	1/4	.250	.990	.470	.260	.469	600
10270HT	#6	.250	.720	.350	.149	.294	600
10280HT	#8	.250	.720	.350	.175	.294	600
10290HT	#10	.250	.720	.370	.203	.294	600
10292HT	#10 Block	.250	.720	.350	.203	.294	600
	ione are in l	nahaa	* _ 1 11		stad	~	listed

All dimensions are in Inches

### Instructions

482° C Max. Temperature Rating One crimp required Solid or Stranded wire Crimp tool HT #20591-NH1 Strip Length 1/4" (6.4mm)

* =UL and	CSA listed
-----------	------------

~	=CSA	listed

Min. Wire Pullout Force	12AWG	70lbs.
win. whe Pullout Force	10AWG	80lbs.

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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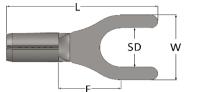
Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### 22-18 A.W.G.Brazed Spades

8lbs.

13lbs.

20lbs.



•110 Copper Alloy .028 thickness,

Electro-Tin Plated .0001"-.0003"

• Terminal LD. - 078

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
10050BZ*	#6	.250	.730	.250	.149	.321	600
10051BZ*	#6 Snap	.250	.730	.250	.149	.321	600
10052BZ*	#6 Block	.250	.730	.250	.149	.321	600
10054BZ	#4	.250	.670	.250	.125	.289	600
10055BZ	#6 Short	.250	.670	.250	.145	.321	600
10056BZ	#6 Block Wide	.250	.730	.30	.149	.321	600
10060BZ*	#8	.250	.730	.312	.175	.321	600
10061BZ*	#8 Snap	.250	.730	.312	.175	.321	600
10062BZ*	#8 Block	.250	.730	.312	.175	.321	600
10068BZ	#8 Slim	.250	.730	.268	.175	.321	600
10070BZ*	#10	.250	.730	.312	.203	.321	600
10071BZ*	#10 Snap	.250	.730	.312	.203	.321	600
10072BZ*	#10 Block	.250	.730	.312	.203	.321	600
10075BZ	1/4	.250	.990	.470	.260	.469	600
All dimens	ions are in l	nches	* =UL and	d CSA li	sted	~ =CSA	listed

#### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating

One crimp requir Solid or Stranded

#### Crimp tool HT #20591-NH1 ~· · · 1 4/4// 10 4

One crimp required	Strip Length 1/4" (6.4mm)		
Solid or Stranded wire		22AWG	
Agency and Compliance:	Min. Wire Pullout Force	20AWG	
UL Listed, investigated to UL 486 A-B, File NC	D. ZMVV.E68376	18AWG	

CSA 22.2 No. 65-03, Certification NO. 207131

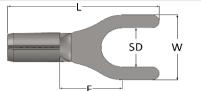
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### 16-14 A.W.G. Brazed Spades



•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .093

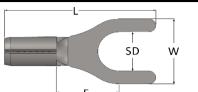
Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage		
10140BZ*	#6	.250	.710	.250	.150	.303	600		
10141BZ*	#6 Snap	.250	.710	.250	.150	.303	600		
10142BZ*	#6 Block	.250	.710	.250	.150	.303	600		
10144BZ	#4 Block	.250	.670	.250	.125	.250	600		
10146BZ	#6 Wide Block	.250	.730	.30	.149	.303	600		
10150BZ*	#8	.250	.730	.344	.175	.303	600		
10151BZ*	#8 Snap	.250	.730	.30	.175	.303	600		
10152BZ*	#8 Block	.250	.730	.30	.175	.303	600		
10158BZ	#8 Slim Block	.250	.710	.260	.175	.303	600		
10160BZ*	* #10	.250	.730	.344	.205	.303	600		
10161BZ*	#10 Snap	.250	.730	.320	.205	.303	600		
10162BZ*	#10 Block	.250	.730	.320	.205	.303	600		
10165BZ*	1/4	.250	.990	.470	.260	.469	600		
All dimens	ions are in l	nches	* =UL and	d CSA li	sted	~ =CSA	listed		
Require	d per UL/	<b>CSA Requirer</b>	nents:						
75° C Max	. Temperatu	ire Rating		Crimp	tool HT #20591-NH1				
One crimp	required			Strip L	ength 1/4" (6.4mm)				
Solid or St	randed wire					16AW0	30lbs.		
Agency and Compliance: Min. Wire Pullout Force 14AWG 50lbs.									
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131									

damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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12-10 A.W.G. Brazed Spades

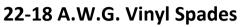
•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

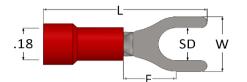
• Terminal I.D. - .141/.144

		•							
Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage		
10234BZ	1/4	.250	.990	.470	.260	.469	600		
10241BZ	1/4 Snap	.250	.990	.470	.212	.469	600		
10270BZ*	#6	.250	.720	.350	.149	.294	600		
10271BZ*	#6 Snap	.250	.720	.296	.149	.294	600		
10272BZ*	#6 Block	.250	.720	.296	.149	.294	600		
10280BZ*	#8	.250	.720	.350	.175	.294	600		
10281BZ*	#8 Snap	.250	.720	.325	.175	.294	600		
10282BZ*	#8 Block	.250	.720	.325	.175	.294	600		
10290BZ*	#10	.250	.720	.370	.203	.294	600		
10291BZ*	#10 Snap	.250	.720	.350	.203	.294	600		
10292BZ*	#10 Block	.250	.720	.350	.203	.294	600		
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed		
Require	Required per UL/CSA Requirements:								
	75° C Max. Temperature Rating Crimp tool HT #20591-NH1								
One crimp	•	0		•	ength 1/4" (6.4mm)				
	randed wire					12AWG	i 70lbs.		
	and Com			Min. Wire Pullout Force 10AWG 80lbs					
					1 5 6 9 7 6	10/100	00103.		
	0	ed to UL 486 A-E	•		V.E08370				
CSA 22.2	NO. 65-03,	Certification NC	). 207131						
WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.									
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• Terminal I.D. - .078

•110 Copper Alloy .028 thickness,

Electro-Tin Plated .0001"-.0003"

• Rigid PVC Insulator .030 wall thickness

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
50050*	#6	.250	.950	.250	.149	.321	600
50051*	#6 Snap	.250	.950	.250	.149	.321	600
50052*	#6 Block	.250	.950	.250	.149	.321	600
50054	#4	.250	.950	.250	.125	.289	600
50055	#6 Short	.250	.890	.250	.145	.321	600
50056	#6 Block Wide	.250	.890	.30	.149	.321	600
50060*	#8	.250	.950	.312	.175	.321	600
50061*	#8 Snap	.250	.950	.312	.175	.321	600
50062*	#8 Block	.250	.950	.312	.175	.321	600
50063	#8 Flanged	.250	.880	.290	.175	.246	600
50068	#8 Slim	.250	.950	.260	.175	.321	600
50070*	#10	.250	.950	.312	.203	.321	600
50071*	#10 Snap	.250	.950	.312	.203	.321	600
50072*	#10 Block	.250	.950	.312	.203	.321	600
50075	1/4	.250	1.20	.470	.260	.469	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	isted
Require	d per UL/	<b>CSA Requirer</b>	nents:				
	. Temperatu			Crimp	tool HT #20592-NH30		
One crimp	•	0		•	ength 9/32" (7.1mm)		
•	randed wire			•	0	22AWG	8lbs.
Agency and Compliance: Min. Wire Pullout Force							13lbs
UL Listed,	V.E68376	18AWG	20lbs				
	-	Certification NC					I

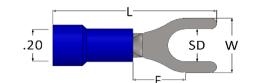
WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### 16-14 A.W.G. Vinyl Spades

• Terminal LD. - .093

•110 Copper Alloy .030 thickness,

Electro-Tin Plated .0001"-.0003"

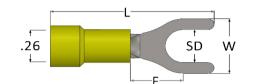
• Rigid PVC Insulator .030 wall thickness

Part #	Stud Size	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
50140*	#6	.250	.930	.250	.150	.303	600
50141*	#6 Snap	.250	.930	.250	.150	.303	600
50142*	#6 Block	.250	.930	.250	.150	.303	600
50144	#4 Block	.250	.890	.250	.125	.250	600
50146	#6 Wide	.250	.950	.30	.149	.303	600
50150*	#8	.250	.950	.344	.175	.303	600
50151*	#8 Snap	.250	.950	.30	.175	.303	600
50152*	#8 Block	.250	.950	.30	.175	.303	600
50158	8 Slim Bloc	.250	.930	.260	.175	.303	600
50160*	#10	.250	.950	.344	.205	.303	600
50161*	#10 Snap	.250	.950	.320	.205	.303	600
50162*	#10 Block	.250	.950	.320	.205	.303	600
50165* 1/4 .250 1.20 .470 .260 .469 600							
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
<u>Require</u>	d per UL/	<b>CSA Requirer</b>	nents:				
75° C Max	. Temperatu	re Rating		Crimp	tool HT #20592-NH30		
One crimp	required			Strip Lo	ength 9/32" (7.1mm)		
Solid or St	randed wire					16AW0	G 30lbs.
Agency	and Com	oliance:		Min. V	/ire Pullout Force	14AW0	G 50lbs.
			B. File NC	). ZMV	V.E68376		
	-	Certification NC					
. For safe wirin	g practices, cor	nsult National Electrica	al Code and/	or your lo	improperly. Improper use can cal building inspector. A licens and that it is properly and sa	sed electr	ical contracto

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### 12-10 A.W.G. Vinyl Spades

- Terminal I.D. .141/.144
- •110 Copper Alloy .038 thickness,
- Electro-Tin Plated .00025"-.0004"
- Rigid PVC Insulator .032 wall thickness

_	Part # Stud Size Barrel Length Length W Stud Diameter(SD) F Voltage										
			Barrel Length	Length		Stud Diameter(SD)		Voltage	4		
	50234	1/4	.250	1.220	.470	.260	.469	600	1		
ı L	50241	1/4 Snap	.250	1.220	.470	.212	.469	600	1		
	50270*	#6	.250	1.020	.350	.149	.294	600	1		
ı L'	50271*	#6 Snap	.250	1.020	.296	.149	.294	600	1		
I L'	50272*	#6 Block	.250	1.020	.296	.149	.294	600	1		
I L	50280*	#8	.250	1.020	.350	.175	.294	600	1		
L	50281*	#8 Snap	.250	1.020	.325	.175	.294	600	1		
l [!	50282*	#8 Block	.250	1.020	.325	.175	.294	600	1		
	50290*	#10	.250	1.020	.370	.203	.294	600	1		
I L	50291*	#10 Snap	.250	1.020	.350	.203	.294	600	1		
	50292*	#10 Block	.250	1.020	.350	.203	.294	600	1		
A	All dimensions are in Inches * =UL and CSA listed ~ =CSA listed										
R	Require	d per UL/	CSA Requirer	ments:							
		. Temperatu			Crimp	tool HT #20593-NH13					
	Dne crimp	•			•	ength 9/32" (7.1mm)					
	•	randed wire	1	I		•	12AWG	G 70lbs.	1		
		and Com			Min. V	Vire Pullout Force	10AWG		1		
							10/10	J 00103.	1		
		0	ed to UL 486 A-E	•		V.E68376					
L:	SA 22.2 I	No. 65-03,	Certification NC	). 20/131	L						
damage. For	WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.										
but the preci appplica	cision or com ation. You ad	npleteness is n ccept all risks a	not definite. Before us and liability associated	sing this proc d with such fect unless ex	duct, you use. Any	ale Terminal's products are ba a must evaluate it and determ statements related to the pro agreed upon, in writing, by a s	nine if it is oduct whi	s suitable for y iich ar enot in l	your intente Hillsdale		



.18

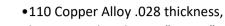
# Hillsdale Terminal

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SD

w

#### 22-18 A.W.G. Nylon Spades



Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .078

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
50050N*	#6	.250	.950	.250	.149	.321	600
50051N*	#6 Snap	.250	.950	.149	.321	600	
50052N*	#6 Block	.149	.321	600			
50054N	#4	.250	.950	.250	.125	.289	600
50055N	#6 Short	.250	.890	.250	.145	.321	600
50056N	#6 Block Wide	.250	.890	.30	.149	.321	600
50060N*	#8	.250	.950	.312	.175	.321	600
50061N*	#8 Snap	.250	.950	.312	.175	.321	600
50062N*	#8 Block	.250	.950	.312	.175	.321	600
50068N	#8 Slim	.250	.950	.260	.175	.321	600
50070N*	#10	.250	.950	.312	.203	.321	600
50071N* #10 Snap .250 .950 .312 .203							600
50072N*	#10 Block	.250	.950	.312	.203	.321	600
50075N	1/4	.250	1.20	.470	.260	.469	600
All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
Require	d per UL/	<b>CSA Requiren</b>	nents:				
75° C Max.	Temperatu	re Rating		Crimp	tool HT #20592-NH30		
One crimp	•	0		•	ength 9/32" (7.1mm)		
•	randed wire					22AWG	8lbs.
Agency and Compliance: Min. Wire Pullout Force 2							
UL Listed,	investigat	ed to UL 486 A-E	B, File NC	. ZMV	V.E68376	18AWG	20lbs
	-	Certification NO					

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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# .20 SD W

16-14 A.W.G. Nylon Spades

•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

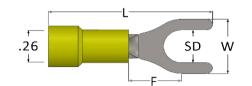
• Terminal I.D. - .093

Part #     Stud Size     Barrel Length     Length     W     Stud Diameter(SD)     F     Voltage $50140N^*$ #6     .250     .930     .250     .150     .303     600 $50141N^*$ #6 Block     .250     .930     .250     .150     .303     600 $50142N^*$ #6 Block     .250     .930     .250     .150     .303     600 $50142N^*$ #6 Block     .250     .930     .250     .150     .303     600 $50144N$ #4 Block     .250     .950     .30     .149     .303     600 $50150N^*$ #8     .250     .950     .30     .175     .303     600 $50151N^*$ #8 Snap     .250     .950     .30     .175     .303     600 $50152N^*$ #8 Block     .250     .950     .320     .205     .303     600 $50161N^*$ #10     .250     .950     .320     .205     .303     600 <tr< th=""><th>Dout #</th><th>Church Clarge</th><th>Downal Lowerth</th><th>Longth</th><th>14/</th><th>Ctud Diamatar/CD)</th><th></th><th>Valters</th></tr<>	Dout #	Church Clarge	Downal Lowerth	Longth	14/	Ctud Diamatar/CD)		Valters
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			,					
50142N*     #6 Block     .250     .930     .250     .150     .303     600       50144N     #4 Block     .250     .890     .250     .125     .250     600       50144N     #6 Wide     .250     .950     .30     .149     .303     600       50150N*     #8     .250     .950     .30     .175     .303     600       50151N*     #8 Snap     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50158N     8 Slim Bloc     .250     .950     .320     .205     .303     600       50160N*     #10     .250     .950     .320     .205     .303     600       50162N*     1/4     .250     .120     .470     .260     .469     600       All dimensions are in Inches								
50144N     #4 Block     .250     .890     .250     .125     .250     600       50146N     #6 Wide     .250     .950     .30     .149     .303     600       50150N*     #8     .250     .950     .30     .175     .303     600       50151N*     #8 Snap     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50158N     8 Slim Bloc     .250     .950     .320     .205     .303     600       50160N*     #10     .250     .950     .320     .205     .303     600       50161N*     #10 Block     .250     .950     .320     .205     .303     600       50162N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches								
50146N     #6 Wide     .250     .950     .30     .149     .303     600       50150N*     #8     .250     .950     .344     .175     .303     600       50151N*     #8 Snap     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50152N*     #8 Block     .250     .950     .30     .175     .303     600       50158N     8 Slim Bloc     .250     .930     .260     .175     .303     600       50160N*     #10     .250     .950     .320     .205     .303     600       50161N*     #10 Block     .250     .950     .320     .205     .303     600       50162N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed				.930				
50150N*   #8   .250   .950   .344   .175   .303   600     50151N*   #8 Snap   .250   .950   .30   .175   .303   600     50152N*   #8 Block   .250   .950   .30   .175   .303   600     50152N*   #8 Block   .250   .950   .30   .175   .303   600     50158N   8 Slim Bloc   .250   .950   .30   .175   .303   600     50160N*   #10   .250   .950   .344   .205   .303   600     50161N*   #10 Snap   .250   .950   .320   .205   .303   600     50162N*   #10 Block   .250   .950   .320   .205   .303   600     50165N*   1/4   .250   1.20   .470   .260   .469   600     All dimensions are in Inches   * =UL and CSA listed   ~ =CSA listed	50144N	#4 Block		.890	.250	.125	.250	600
50151N*   #8 Snap   .250   .950   .30   .175   .303   600     50152N*   #8 Block   .250   .950   .30   .175   .303   600     50152N*   #8 Block   .250   .930   .260   .175   .303   600     50158N   8 Slim Bloc   .250   .930   .260   .175   .303   600     50160N*   #10   .250   .950   .344   .205   .303   600     50161N*   #10 Snap   .250   .950   .320   .205   .303   600     50162N*   #10 Block   .250   .950   .320   .205   .303   600     50165N*   1/4   .250   1.20   .470   .260   .469   600     All dimensions are in Inches   * =UL and CSA listed   ~ =CSA listed   ~ =CSA listed     Required per UL/CSA Requirements:     75° C Max. Temperature Rating   Crimp tool HT #20592-NH30   .16AWG   30lbs.     One crimp required   Min. Wire Pullout Force   16AWG   30lbs.     UL Listed, investigated	50146N	#6 Wide	.250	.950		.149	.303	600
50152N*     #8 Block     .250     .950     .30     .175     .303     600       50158N     8 Slim Bloc     .250     .930     .260     .175     .303     600       50158N     #10     .250     .950     .344     .205     .303     600       50160N*     #10     .250     .950     .320     .205     .303     600       50161N*     #10 Block     .250     .950     .320     .205     .303     600       50162N*     #10 Block     .250     .950     .320     .205     .303     600       50165N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed      ~ =CSA listed       Required per UL/CSA Requirements:       75° C Max. Temperature Rating     Crimp tool HT #20592-NH30         One crimp required     Strip Length 9/32" (7.1mm)           14AWG     50lbs. </td <td>50150N*</td> <td>#8</td> <td>.250</td> <td>.950</td> <td>.344</td> <td>.175</td> <td>.303</td> <td>600</td>	50150N*	#8	.250	.950	.344	.175	.303	600
50158N     8 Slim Bloc     .250     .930     .260     .175     .303     600       50160N*     #10     .250     .950     .344     .205     .303     600       50161N*     #10 Snap     .250     .950     .320     .205     .303     600       50161N*     #10 Block     .250     .950     .320     .205     .303     600       50165N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed      ~ =CSA listed       Required per UL/CSA Requirements:       75° C Max. Temperature Rating     Crimp tool HT #20592-NH30       One crimp required     Strip Length 9/32" (7.1mm)     Solid or Stranded wire       Agency and Compliance:     Min. Wire Pullout Force     16AWG     30lbs.       UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376     14AWG     50lbs.       USI Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injurg. For safe wiring practices, consult National Electrical Code and/or your local building insp	50151N*	#8 Snap	.250	.950	.30	.175	.303	600
50160N*     #10     .250     .950     .344     .205     .303     600       50161N*     #10 Snap     .250     .950     .320     .205     .303     600       50162N*     #10 Block     .250     .950     .320     .205     .303     600       50162N*     #10 Block     .250     .950     .320     .205     .303     600       50165N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed       =CSA listed       Required per UL/CSA Requirements:     75° C Max. Temperature Rating     Crimp tool HT #20592-NH30         One crimp required     Strip Length 9/32" (7.1mm)        16AWG     30lbs.       Jul Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376       14AWG     50lbs.       UL Listed, investigated to UL 486 A-B, File NO. 207131       14AWG     50lbs.	50152N*	#8 Block	.250	.950	.30	.175	.303	600
50161N*     #10 Snap     .250     .950     .320     .205     .303     600       50162N*     #10 Block     .250     .950     .320     .205     .303     600       50162N*     #10 Block     .250     .950     .320     .205     .303     600       50165N*     1/4     .250     1.20     .470     .260     .469     600       All dimensions are in Inches     * =UL and CSA listed     ~ =CSA listed     ~ =CSA listed       Required per UL/CSA Requirements:     75° C Max. Temperature Rating     Crimp tool HT #20592-NH30     Strip Length 9/32" (7.1mm)       Solid or Stranded wire     Min. Wire Pullout Force     16AWG     30lbs.       Min. Wire Pullout Force     14AWG     50lbs.       UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376     CSA 22.2 No. 65-03, Certification NO. 207131	50158N	8 Slim Bloc	.250	.930	.260	.175	.303	600
50162N*#10 Block.250.950.320.205.30360050165N*1/4.2501.20.470.260.469600All dimensions are in Inches* =UL and CSA listed~ =CSA listed <b>Required per UL/CSA Requirements:</b> 75° C Max. Temperature RatingCrimp tool HT #20592-NH30One crimp requiredStrip Length 9/32" (7.1mm)Solid or Stranded wire16AWG30lbs. <b>Agency and Compliance:</b> Min. Wire Pullout Force16AWG30lbs.UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376CSA 22.2 No. 65-03, Certification NO. 207131More improperly. Improper use can result in personal injury.NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury.For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor	50160N*	#10	.250	.950	.344	.205	.303	600
50165N*1/4.2501.20.470.260.469600All dimensions are in Inches* =UL and CSA listed~ =CSA listed <b>Required per UL/CSA Requirements:</b> 75° C Max. Temperature Rating One crimp required Solid or Stranded wire <b>Agency and Compliance:</b> UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131.470.260.469600NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injurg.For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor	50161N*	#10 Snap	.250	.950	.320	.205	.303	600
All dimensions are in Inches   * =UL and CSA listed   ~ =CSA listed     Required per UL/CSA Requirements:   75° C Max. Temperature Rating   Crimp tool HT #20592-NH30     One crimp required   Strip Length 9/32" (7.1mm)     Solid or Stranded wire   16AWG 30lbs.     Agency and Compliance:   Min. Wire Pullout Force   16AWG 50lbs.     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   CSA 22.2 No. 65-03, Certification NO. 207131	50162N*	#10 Block	.250	.950	.320	.205	.303	600
Required per UL/CSA Requirements:     75° C Max. Temperature Rating   Crimp tool HT #20592-NH30     One crimp required   Strip Length 9/32" (7.1mm)     Solid or Stranded wire   Min. Wire Pullout Force     Agency and Compliance:   16AWG     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376     CSA 22.2 No. 65-03, Certification NO. 207131	50165N* 1/4 .250 1.20 .470 .260 .469 600							
75° C Max. Temperature Rating   Crimp tool HT #20592-NH30     One crimp required   Strip Length 9/32" (7.1mm)     Solid or Stranded wire   I6AWG 30lbs.     Agency and Compliance:   I4AWG 50lbs.     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   I4AWG 50lbs.     CSA 22.2 No. 65-03, Certification NO. 207131   NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injurg.     NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injurg.	All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed
One crimp required   Strip Length 9/32" (7.1mm)     Solid or Stranded wire   I6AWG 30lbs.     Agency and Compliance:   Min. Wire Pullout Force     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   14AWG 50lbs.     CSA 22.2 No. 65-03, Certification NO. 207131   NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor	<b>Require</b>	d per UL/	<b>CSA Requirer</b>	nents:				
Solid or Stranded wire   Min. Wire Pullout Force   16AWG   30lbs.     Min. Wire Pullout Force   14AWG   50lbs.     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   CSA 22.2 No. 65-03, Certification NO. 207131     NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor	75° C Max	. Temperatu	ire Rating		Crimp	tool HT #20592-NH30		
Agency and Compliance:   Min. Wire Pullout Force   14AWG   50lbs.     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   CSA 22.2 No. 65-03, Certification NO. 207131   Volume   Vol	One crimp	required	-		Strip L	ength 9/32" (7.1mm)		
Agency and Compliance:   14AWG   50lbs.     UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376   CSA 22.2 No. 65-03, Certification NO. 207131     NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injurg.     . For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor	Solid or St	randed wire	!				16AW0	G 30lbs.
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131 NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contracto	Agency	and Com	pliance:		Min. V	/ire Pullout Force	14AW0	G 50lbs.
CSA 22.2 No. 65-03, Certification NO. 207131 NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor				B File NC	) 7MV	V F68376		
NG! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury . For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contracto		•						
. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contracto		,						
	. For safe wiring	g practices, cor	nsult National Electrica	al Code and/	or your lo	cal building inspector. A licen	sed electr	ical contracto

All statements, procedural information, and recommendations related to Hillsdale Terminal's products are based on data believed to be reliable, but the precision or completeness is not definite. Before using this product, you must evaluate it and determine if it is suitable for your intented appplication. You accept all risks and liability associated with such use. Any statements related to the product which ar enot in Hillsdale Terminal's current publications shall have no force or effect unless expressly agreed upon, in writing, by a sanctioned member of Hillsdale Terminal



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com



12-10 A.W.G. Nylon Spades

•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

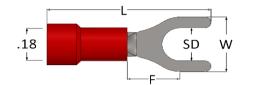
									1			
	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage				
	50234N	1/4	.250	1.220	470.0	.260	.469	600				
	50241N	1/4 Snap	.250	1.220	.470	.212	.469	600				
	50270N*	#6	.250	1.020	.350	.149	.294	600				
	50271N*	#6 Snap	.250	1.020	.296	.149	.294	600				
	50272N*	#6 Block	.250	1.020	.296	.149	.294	600				
	50280N*	#8	.250	1.020	.350	.175	.294	600				
	50281N*	#8 Snap	.250	1.020	.325	.175	.294	600				
	50282N*	#8 Block	.250	1.020	.325	.175	.294	600				
	50290N*	#10	.250	1.020	.370	.203	.294	600				
	50291N*     #10 Snap     .250     1.020     .350     .203     .294     600											
	50292N*     #10 Block     .250     1.020     .350     .203     .294     600											
	All dimensions are in Inches *=UL and CSA listed ~=CSA listed											
	Required per UL/CSA Requirements:											
	75° C Max.	Temperatu	re Rating		Crimp	tool HT #20593-NH13						
	One crimp		0		•	ength 9/32" (7.1mm)						
		anded wire			•		12AW0	G 70lbs.	1			
	Agency	and Com	oliance:		Min. W	/ire Pullout Force	10AW0	G 80lbs.				
			ed to UL 486 A-E		) 71/1//	/ F68376			1			
		0	Certification NC	•		v.200570						
	CJA 22.2	10. 05-05,		. 207131	_							
damage.	WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.											
but the pr apppl	Il statements, procedural information, and recommendations related to Hillsdale Terminal's products are based on data believed to be reliable, but the precision or completeness is not definite. Before using this product, you must evaluate it and determine if it is suitable for your intented appplication. You accept all risks and liability associated with such use. Any statements related to the product which ar enot in Hillsdale Terminal's current publications shall have no force or effect unless expressly agreed upon, in writing, by a sanctioned memeber of Hillsdale Terminal											
4			T		1. 11	adalatarminal com						



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### 22-18 A.W.G. 3-Piece Spades

property



•110 Copper Alloy .028 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .078

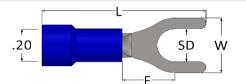
Part #	<b>Stud Size</b>	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltag				
30050	#6	.250	.930	.250	.149	.321	600				
30051	#6 Snap	.250	.930	.250	.149	.321	600				
30052	#6 Block	.250	.930	.250	.149	.321	600				
30054	#4	.250	.930	.250	.125	.289	600				
30055	#6 Short	.250	.930	.250	.145	.321	600				
30056	#6 Block Wide	.250	.930	.30	.149	.321	600				
30060	#8	.250	.930	.312	.175	.321	600				
30061	#8 Snap	.250	.930	.312	.175	.321	600				
30062	#8 Block	.250	.930	.312	.175	.321	600				
30068	#8 Slim	.250	.930	.260	.175	.321	600				
30070	#10	.250	.930	.312	.203	.321	600				
30071	#10 Snap	.250	.930	.312	.203	.321	600				
30072	#10 Block	.250	.930	.312	.203	.321	600				
30075	1/4	.250	1.190	.470	.260	.469	600				
	ions are in li d per UL/	nches CSA Requirer	* =UL and nents:	d CSA li	sted	~ =CSA	isted				
	Temperatu			Crimp	tool HT #20592-NH30						
One crimp	required	C		Strip Lo	ength 9/32" (7.1mm)						
Solid or Sti	anded wire					22AWG	8lbs.				
Agency a	and Com	oliance:		Min. W	/ire Pullout Force	20AWG	13lbs				
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376							20lbs				
CSA 22 2	No. 65-03,	Certification NC	. 207131	CSA 22.2 No. 65-03, Certification NO. 207131							

engineer damage must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

All statements, procedural information, and recommendations related to Hillsdale Terminal's products are based on data believed to be reliable, but the precision or completeness is not definite. Before using this product, you must evaluate it and determine if it is suitable for your intented appplication. You accept all risks and liability associated with such use. Any statements related to the product which ar enot in Hillsdale Terminal's current publications shall have no force or effect unless expressly agreed upon, in writing, by a sanctioned memeber of Hillsdale Terminal



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16-14 A.W.G. 3-Piece Spades

•110 Copper Alloy .030 thickness, Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .093

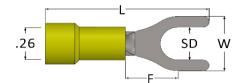
	Part #	Stud Size		Length	W	Stud Diameter(SD)	F	Voltage		
	30140	#6	.250	.910	.250	.150	.303	600		
	30141	#6 Snap	.250	.910	.250	.150	.303	600		
	30142	#6 Block	.250	.930	.250	.150	.303	600		
	30144	#4 Block	.250	.890	.250	.125	.250	600		
	30146	#6 Wide	.250	.950	.30	.149	.303	600		
	30150	#8	.250	.970	.344	.175	.303	600		
	30151	#8 Snap	.250	.970	.30	.175	.303	600		
	30152	#8 Block	.250	.970	.30	.175	.303	600		
	30158	8 Slim Bloc	.250	.940	.260	.175	.303	600	1	
	30160	#10	.250	.940	.344	.205	.303	600	1	
	30161	#10 Snap	.250	.940	.320	.205	.303	600	1	
	30162	#10 Block	.250	.940	.320	.205	.303	600	1	
	30165	1/4	.250	1.190	.470	.260	.469	600	1	
	All dimensions are in Inches *=UL and CSA listed ~=CSA listed									
	<u>Require</u>	d per UL/	/CSA Requiren	ment <u>s:</u>						
		. Temperatu			Crimp	tool HT #20592-NH30				
	One crimp	•			•	ength 9/32" (7.1mm)				
	•	randed wire	د				16AWG	G 30lbs.		
		and Com		I	Min. W	Vire Pullout Force	14AWG			
			ed to UL 486 A-E	D Eila N(		V EG0276			1	
		, 0	Certification NO			1.2003/0				
		NO. 05-05,		). 207131						
WARNI	NG! Installatior	n of electrical w	vire and terminals can	be hazardov	us if done	improperly. Improper use can	result in r	personal injury	or proper	
damage.	. For safe wiring	ig practices, cor	nsult National Electrica	al Code and/	/or your lo	ocal building inspector. A licens	sed electri	rical contractor	r or engine	
must	t be consulted t	to determine th	at the correct wire and	d terminal siz	ze is used	d and that it is properly and safe	ely installe	ed for all appli	cations.	
						ale Terminal's products are ba				
•		•				u must evaluate it and determine				
		•	•		•	statements related to the pro agreed upon, in writing, by a s				
1011111	di S Currene po	Dillations sha	I have no force of en-		rminal	Igreed upon, in writing, by a s	Janutione		-I Imoua	



# Hillsdale Terminal

Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### 12-10 A.W.G. 3-Piece Spades



•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

	Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage		
	30234	1/4	.250	1.190	.470	.260	.469	600		
	30241	1/4 Snap	.250	1.30	.470	.212	.469	600		
	30270	#6	.250	1.020	.350	.149	.294	600		
	30271	#6 Snap	.250	1.020	.296	.149	.294	600		
	30272	#6 Block	.250	1.020	.296	.149	.294	600		
	30280	#8	.250	1.020	.350	.175	.294	600		
	30281	#8 Snap	.250	1.020	.325	.175	.294	600		
	30282	#8 Block	.250	1.020	.325	.175	.294	600		
	30290	#10	.250	1.020	.370	.203	.294	600		
	30291	#10 Snap	.250	1.020	.350	.203	.294	600		
	30292	#10 Block	.250	1.020	.350	.203	.294	600		
	All dimensions are in Inches * =UL and CSA listed ~ =CSA listed									
Required per UL/CSA Requirements:										
	75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20593-NH13				
	One crimp	•	U U		Strip Lo	ength 9/32" (7.1mm)				
	Solid or Sti	randed wire					12AW0	G 70lbs.	]	
	Agency	and Com	oliance:		Min. W	/ire Pullout Force	10AW0	3 80lbs.	1	
			ed to UL 486 A-I	3 File NC	) 71/1//	/ F68376			1	
		0	Certification NC			v.200570				
	CJA 22.2	NO. 05 05,	certification Ne	. 207131	-					
						improperly. Improper use can				
-						cal building inspector. A licens			•	
must	be consulted	to determine th	at the correct wire and	terminal siz	te is used	and that it is properly and saf	ely install	ed for all appli	cations.	
						le Terminal's products are ba				
•		•				must evaluate it and determ statements related to the pro		•		
						agreed upon, in writing, by a				
					minal					
				tions at w		sdaleterminal com			HOME	



.18

# Hillsdale Terminal

Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

SD

W

#### 22-18 A.W.G. Heat Shrink Spades

property

engineer



Electro-Tin Plated .0001"-.0003"

• Terminal I.D. - .078

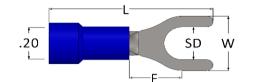
Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage
40050	#6	.250	1.20	.250	.149	.321	600
40051	#6 Snap	.250	1.20	.250	.149	.321	600
40052	#6 Block	.250	1.20	.250	.149	.321	600
40054	#4	.250	1.20	.250	.125	.289	600
40055	#6 Short	.250	1.140	.250	.145	.321	600
40056	#6 Block Wide	.250	1.20	.30	.149	.321	600
40060	#8	.250	1.20	.312	.175	.321	600
40061	#8 Snap	.250	1.20	.312	.175	.321	600
40062	#8 Block	.250	1.20	.312	.175	.321	600
40068	#8 Slim	.250	1.20	.260	.175	.321	600
40070	#10	.250	1.20	.312	.203	.321	600
40071	#10 Snap	.250	1.20	.312	.203	.321	600
40072	#10 Block	.250	1.20	.312	.203	.321	600
40075	1/4	.250	1.20	.470	.260	.469	600
All dimens	ions are in I	nches	* =UL an	d CSA li	sted	~ =CSA	listed
Require	d per UL/	<b>CSA Requirer</b>	nents:				
75° C Max	. Temperatu	ire Rating		Crimp	tool HT #20596		
One crimp	required	C		Strip Le	ength 9/32" (7.1mm)		
Solid or St	randed wire			· · ·		22AWC	6 8lbs.
Agency	and Com	oliance:		Min. W	/ire Pullout Force	20AWG	5 13lbs.
		ed to UL 486 A-I	B. File NC	L ). 7MV	V.F68376	18AWG	3 20lbs.
	-	Certification NC			1200070		
UJA 22.2	110.05.05,		. 207 131	L			
IG! Installatior	of electrical wi	re and terminals can b	oe hazardou	s if done i	improperly. Improper use can	result in p	ersonal inju
					cal building inspector. A licen		

All statements, procedural information, and recommendations related to Hillsdale Terminal's products are based on data believed to be reliable, but the precision or completeness is not definite. Before using this product, you must evaluate it and determine if it is suitable for your intented appplication. You accept all risks and liability associated with such use. Any statements related to the product which ar enot in Hillsdale Terminal's current publications shall have no force or effect unless expressly agreed upon, in writing, by a sanctioned memeber of Hillsdale Terminal



Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

#### 16-14 A.W.G. Heat Shrink Spades



•110 Copper Alloy .030 thickness,

Electro-Tin Plated .0001"-.0003"

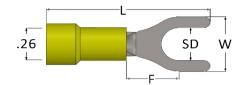
• Terminal I.D. - .093

	Part #	Stud Size	Barrel Length	Length	W	Stud Diameter(SD)	F	Voltage	
	40140	#6	.250	1.180	.250	.150	.303	600	
	40141	#6 Snap	.250	1.180	.250	.150	.303	600	
	40142	#6 Block	.250	1.180	.250	.150	.303	600	
	40144	#4 Block	.250	1.140	.250	.125	.250	600	
	40146	#6 Wide	.250	1.20	.30	.149	.303	600	
	40150	#8	.250	1.20	.344	.175	.303	600	
	40151	#8 Snap	.250	1.20	.30	.175	.303	600	
	40152	#8 Block	.250	1.20	.30	.175	.303	600	
	40158	8 Slim Bloc	.250	1.20	.260	.175	.303	600	
	40160	#10	.250	1.20	.344	.205	.303	600	
	40161	#10 Snap	.250	1.20	.320	.205	.303	600	
	40162	#10 Block	.250	1.20	.320	.205	.303	600	
	40165	1/4	.250	1.450	.470	.260	.469	600	
	All dimens	ions are in I	nches	* =UL and	d CSA li	sted	~ =CSA	listed	
	<b>Require</b>	d per UL/	<b>CSA Requirer</b>	nents:					
	75° C Max.	Temperatu	ire Rating		Crimp	tool HT #20596			
	One crimp	required			Strip Le	ength 9/32" (7.1mm)			
	Solid or Str	randed wire			N. 41		16AW0	6 30lbs.	
	Agency	and Com	pliance:		Min. W	/ire Pullout Force	14AWG	5 50lbs.	
			 ed to UL 486 A-E	B. File NC	). ZMV	V.E68376			ł
		0		•					
CSA 22.2 No. 65-03, Certification NO. 207131 WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.									
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### 12-10 A.W.G. Heat Shrink Spades



•110 Copper Alloy .038 thickness, Electro-Tin Plated .00025"-.0004"

• Terminal I.D. - .141/.144

Part #	<b>Stud Size</b>	<b>Barrel Length</b>	Length	W	Stud Diameter(SD)	F	Voltage		
40234	1/4	.250	1.50	470.0	.260	.469	600		
40241	1/4 Snap	.250	1.50	.470	.212	.469	600		
40270	#6	.250	1.250	.350	.149	.294	600		
40271	#6 Snap	.250	1.250	.296	.149	.294	600		
40272	#6 Block	.250	1.250	.296	.149	.294	600		
40280	#8	.250	1.250	.350	.175	.294	600		
40281	#8 Snap	.250	1.250	.325	.175	.294	600		
40282	#8 Block	.250	1.250	.325	.175	.294	600		
40290	#10	.250	1.250	.370	.203	.294	600		
40291	#10 Snap	.250	1.250	.350	.203	.294	600		
40292	#10 Block	.250	1.250	.350	.203	.294	600		
All dimens	ions are in I	nches	* =UL an	d CSA li	sted	~ =CSA	listed	-	
Required per UL/CSA Requirements:									
	. Temperatu			Crimp	tool HT #20596				
One crimp	•				ength 9/32" (7.1mm)				
•	' randed wire					12AWG	5 70lbs.	1	
Δgency	and Com	oliance		Min. W	/ire Pullout Force	10AWG	6 80lbs.	1	
		ed to UL 486 A-E			1 560276	20,	001001	]	
	0				v.E00570				
C3A 22.2	NO. 05-03,	Certification NC	0. 207131	_					
damage. For safe wirin	WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.								
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### **Uninsulated Butts**

#### Phone -1-800-447-3150

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless 2
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	Crimp Tool
All dimensi	ons are in Inche	es	* =UL and C	SA listed	~ =CSA listed	

#### Required per UL/CSA Requirements:

75° C Max. Temperature Rating One crimp required Solid or Stranded wire

#### Agency and Compliance:

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer mu be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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Phone: 1-800-447-3150 Email: sales@hillsdaleterminal.com

### **Uninsulated Butts**

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	Crimp Tool
10080*	22-18	0.56	0.077	NA	0.028	20591-NH1
10170*	16-14	0.56	0.092	NA	0.03	20591-NH1
10310*	12-10	0.625	0.14	NA	0.036	20591-NH1
10624~	8 Seamless	0.827	0.177	NA	0.049	20701 or 20702
10625~	6 Seamless	1.03	0.236	NA	0.058	20701 or 20702
10626~	4 Seamless	1.14	0.3	NA	0.07	20701 or 20702
10627~	2 Seamless	1.25	0.37	NA	0.072	20701 or 20702
10083~	22-18 Seamless	0.565	0.073	NA	0.03	20591-NH1
10173~	16-14 Seamless	0.565	0.092	NA	0.03	20591-NH1
10313~	12-10 Seamless	0.625	0.14	NA	0.036	20591-NH1
10313L~	12-10 Seamless	0.81	0.142	NA	0.035	20591-NH1
A 11 11			* 111 and C		or CCA lists of	

All dimensions are in Inches

\* =UL and CSA listed

~ =CSA listed

10AWG: 80lbs.

#### **Required per UL/CSA Requirements:** Min. Wire Pullout Force 8AWG: 90lbs. 22AWG: 8lbs. 75° C Max. Temperature Rating One crimp required 6AWG: 100lbs. 20AWG: 13lbs. Solid or Stranded wire 4AWG: 140lbs. 18AWG: 20lbs. 2AWG: 180lbs. 16AWG: 30lbs. 14AWG: 50lbs. Agency and Compliance: UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 12AWG: 70lbs.

CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### **Vinyl Extruded Butts**

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	<b>Crimp Tool</b>
20080*	22-18	0.97	0.077	0.16	0.028	20592-NH30
20170*	16-14	0.97	0.092	0.18	0.03	20592-NH30
20310*	12-10	1.06	0.14	0.235	0.036	20593-NH13
20624~	8 Seamless	1.46	0.177	0.32	0.072	20701 or 20702
20625~	6 Seamless	1.74	0.236	0.395	0.072	20701 or 20702
20626~	4 Seamless	1.93	0.3	0.5	0.072	20701 or 20702
20627~	2 Seamless	2.25	0.37	0.56	0.072	20701 or 20702
20080SV~	22-18 Seamless	0.97	0.073	0.16	0.03	20592-NH30
20170SV~	16-14 Seamless	0.97	0.092	0.18	0.03	20592-NH30
20310SV~	12-10 Seamless	1.06	0.14	0.235	0.036	20593-NH13

All dimensions are in Inches

\* =UL and CSA listed

~ =CSA listed

Required per UL/CSA Requirements:	Min. Wire	Min. Wire Pullout Force			
75° C Max. Temperature Rating	8AWG: 90lbs.	22AWG: 8lbs.			
One crimp required	6AWG: 100lbs.	20AWG: 13lbs.			
Solid or Stranded wire	4AWG: 140lbs.	18AWG: 20lbs.			
	2AWG: 180lbs.	16AWG: 30lbs.			
Agency and Compliance:		14AWG: 50lbs.			
UL Listed, investigated to UL 486 A-B, File NO. Z	MVV.E68376	12AWG: 70lbs.			
CSA 22.2 No. 65-03, Certification NO. 207131		10AWG: 80lbs.			

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### **Nylon Extruded Butts**

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	Crimp Tool
20081	22-18	0.97	0.077	0.16	0.028	20592-NH30
20171	16-14	0.97	0.092	0.18	0.03	20592-NH30
20311	12-10	1.06	0.14	0.235	0.036	20593-NH13
20624N~	8 Seamless	1.46	0.177	0.32	0.072	20701 or 20702
20625N~	6 Seamless	1.74	0.236	0.395	0.072	20701 or 20702
20626N~	4 Seamless	1.93	0.3	0.5	0.072	20701 or 20702
20627N~	2 Seamless	2.25	0.37	0.56	0.072	20701 or 20702
20083S~	22-18 Seamless	0.97	0.073	0.16	0.03	20592-NH30
20173S~	16-14 Seamless	0.97	0.092	0.18	0.03	20592-NH30
20313S~	12-10 Seamless	1.06	0.14	0.235	0.036	20593-NH13

All dimensions are in Inches

\* =UL and CSA listed

~ =CSA listed

<u>Required per UL/CSA Requirements:</u>	
75° C Max. Temperature Rating	8AWG: 9
One crimp required	6AWG: 1

Min. Wire Pullout Force					
8AWG: 90lbs.	22AWG: 8lbs.				
6AWG: 100lbs.	20AWG: 13lbs.				
4AWG: 140lbs.	18AWG: 20lbs.				
2AWG: 180lbs.	16AWG: 30lbs.				
	14AWG: 50lbs.				
′V.E68376	12AWG: 70lbs.				
	10AWG: 80lbs.				

#### **Agency and Compliance:**

Solid or Stranded wire

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### **Nylon Molded Butts**

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	<b>Crimp Tool</b>
50081	22-18	0.985	0.077	0.165	0.028	20592-NH30
50171	16-14	0.985	0.092	0.195	0.03	20592-NH30
50311	12-10	1.07	0.14	0.27	0.036	20593-NH13
20083	22-18 Seamless	0.985	0.073	0.165	0.03	20592-NH30
20173	16-14 Seamless	0.985	0.092	0.195	0.03	20592-NH30
20313	12-10 Seamless	1.07	0.14	0.27	0.036	20593-NH13

All dimensions are in Inches

\* =UL and CSA listed

~ =CSA listed

#### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required Solid or Stranded wire

#### Agency and Compliance:

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

Min. Wire Pullout	Force
22AWG: 8lbs.	
20AWG: 13lbs.	
18AWG: 20lbs.	
16AWG: 30lbs.	
14AWG: 50lbs.	
12AWG: 70lbs.	
10AWG: 80lbs.	
	-

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### **Heat Shrink Butts**

- 102 Copper Alloy Seamless 2
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness
*20082	22-18	1.50	0.072	0.18	0.030
*20172	16-14	1.50	0.097	0.22	0.032
*20312	12-10	1.70	0.142	0.27	0.038
*40624	8	1.88	0.177	0.33	0.050

All dimensions are in Inches

\* =UL Listed

Required per UL/CSA Requirements:	Min. Wire Pullout Ford	
75° C Max. Temperature Rating	22AWG: 8lbs.	
One crimp required	20AWG: 13lbs.	
Solid or Stranded wire	18AWG: 20lbs.	
Crimp tool HT #20596	16AWG: 30lbs.	
Strip Length 9/32" (7.1mm)	14AWG: 50lbs.	
Agency and Compliance:	12AWG: 70lbs.	
UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376	10AWG: 80lbs.	
	8AWG: 90lbs.	

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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### **Economy Butts**

- 110 Copper Alloy Butted Seam
- 102 Copper Alloy Seamless
- Electro-Tin plated terminal .00025"-.0004"

Part #	A.W.G.	Length	Term I.D.	Insulator Bell I.D.	Material Thickness	Crimp Tool
10080E	22-18	0.56	0.077	0.16	0.02	20592-NH30
10170E	16-14	0.56	0.092	0.18	0.02	20592-NH30
10310E	12-10	0.625	0.14	0.235	0.03	20593-NH13
20080E	22-18	0.97	0.073	0.16	0.02	20592-NH30
20170E	16-14	0.97	0.092	0.18	0.02	20592-NH30
20310E	12-10	1.06	0.14	0.235	0.03	20593-NH13
All dimensi	ons are in Inch	es	* =UL and C	SA listed	~ =CSA listed	,

#### **Required per UL/CSA Requirements:**

75° C Max. Temperature Rating One crimp required Solid or Stranded wire

#### Agency and Compliance:

UL Listed, investigated to UL 486 A-B, File NO. ZMVV.E68376 CSA 22.2 No. 65-03, Certification NO. 207131

WARNING! Installation of electrical wire and terminals can be hazardous if done improperly. Improper use can result in personal injury or property
damage. For safe wiring practices, consult National Electrical Code and/or your local building inspector. A licensed electrical contractor or engineer
must be consulted to determine that the correct wire and terminal size is used and that it is properly and safely installed for all applications.

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Min. Wire Pullout	Force
22AWG: 8lbs.	
20AWG: 13lbs.	
18AWG: 20lbs.	
16AWG: 30lbs.	
14AWG: 50lbs.	
12AWG: 70lbs.	
10AWG: 80lbs.	