



**HELIXON FITTINGS  
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## HELIXON FITTINGS SECTION D

### ORDERING INFORMATION

#### **Product Information**

The Helixon fittings in this publication are designed to ANSI standards.

#### **Catalog Numbers:**

When ordering, always quote fitting catalog number, conductor type (e.g. AAC, ACSR etc), and conductor construction (e.g. 45/7).

#### **Minimum Quantity:**

Minimum order quantity is one Standard Pack.

#### **Availability:**

Most of the products shown in this catalog are generally available from stock. Some items however, may be subject to special production runs.

#### **Non-Standard Fittings:**

For special applications or for non-standard conductors, products are available to special order.



## HELIXON FITTINGS SECTION D

### ALUMINUM O.H. DEADENDS TYPE AOH-DE

#### Aluminum Overhead Deadends

##### Rated Holding Strengths:

On aluminum or aluminum based conductors of homogeneous stranding, the ultimate tensile strength of the deadend is equal to that of the conductor.

##### Materials:

Aluminum

##### Tapping:

Taps should be applied directly to the conductor either ahead of the deadend, or behind the deadend crossover point onto the tail of the conductor.

Taps should never be made over the deadend.

Scratch brush and grease conductor first.



Catalog Number	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-AOH-DE-0229	#4, 7W All Alum. #4, 4/3 ACAR	.229-.239	100	Brown
BPS-AOH-DE-0247	#4, 6/1, Alum. Alloy	.247-.257	100	Orange
BPS-AOH-DE-0290	#2, 7W All Alum. #2, 4/3 ACAR	.290-.298	100	Purple
BPS-AOH-DE-0311	#2, 6/2 Alum. Alloy	.311-.325	100	Red
BPS-AOH-DE-0326	#1, 7W All Alum.	.326-.340	75	Blue
BPS-AOH-DE-0368	1/0, 7W All Alum. 1/0, 4/3 ACAR	.368-.380	50	Black
BPS-AOH-DE-0381	1/0, 6/1, Alum. Alloy	.381-.398	50	Yellow
BPS-AOH-DE-0414	2/0, 7W All Alloy 2/0, 4/3 ACAR	.414-.425	50	Brown
BPS-AOH-DE-0444	2/0, 6/1, Alum. Alloy	.444-.462	50	Blue
BPS-AOH-DE-0463	3/0, 7W All Alloy 3/0, 4/3 ACAR	.463-.481	50	Green
BPS-AOH-DE-0482	3/0, 6/1, Alum. Alloy	.482-.503	50	Orange
BPS-AOH-DE-0522	4/0, 7W All Alum. 4/0, 4/3 ACAR	.522-.544	25	Purple
BPS-AOH-DE-0545	4/0, 6/1, Alum. Alloy	.545-.567	25	Red

Note: Add a suffix of "OH" to the end of the catalog number to specify an open helix loop



# HELIXON FITTINGS SECTION D

## AL. COVERED STEEL O.H. DEADENDS TYPE AWOH-DE

### Aluminum Covered Steel Overhead Deadends

#### Rated Holding Strengths:

On ACSR, AWAC (6/1), and Compacted ACSR conductors of homogeneous stranding, the holding strength of the deadend is equal to 100% of the strength of the aluminum strands plus 10% of the strength of the steel core.

#### Materials:

Aluminum Covered Steel

#### Tapping:

Taps should be applied directly to the conductor either ahead of the deadend, or behind the deadend crossover point onto the tail of the conductor.

Taps should never be made over the deadend.

Scratch brush and grease conductor first.



Catalog Number	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-AWOH-DE-0229	#4 ACSR, AWAC	.229-.257	100	Orange
BPS-AWOH-DE-0290	#2 ACSR, AWAC	.290-.325	100	Red
BPS-AWOH-DE-0326	#1 ACSR, AWAC	.326-.364	75	Green
BPS-AWOH-DE-0365	1/0 ACSR, AWAC	.365-.409	50	Yellow
BPS-AWOH-DE-0410	2/0 ACSR, AWAC	.410-.460	50	Blue
BPS-AWOH-DE-0461	3/0 ACSR, AWAC	.461-.516	50	Orange
BPS-AWOH-DE-0517	4/0 ACSR, AWAC	.517-.577	25	Red

Note: Add a suffix of "OH" to the end of the catalog number to specify an open helix loop



## HELIXON FITTINGS SECTION D

### ALUMINIZED STEEL SERVICE DEADENDS TYPE AS-SDE

#### *Aluminized Steel Service Deadends*

**Rated Holding Strengths:**

The mechanical strength of Service Deadends meets or exceeds NESC Grade “N”, rule 263-E, Supply Services, for spans not exceeding 150 feet. For spans greater than 150 ft. Distribution Deadends are recommended.

**Material:**

Aluminum Covered Steel

**Tapping:**

Taps should be applied directly to the conductor either ahead of the deadend, or behind the deadend crossover point onto the tail of the conductor.

Taps should never be made over the deadend.

Scratch brush and grease conductor first.



Catalog Number	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-AS-SDE-0169	#6, 6/1 #6, 7W All Alum. #6, 7W Alum. Alloy	.169-.198	300	Blue
BPS-AS-SDE-0199	#5, 6/1 #4, Solid #5, 7W Alum. Alloy	.199-.224	300	White
BPS-AS-SDE-0225	#4, 6/1, 7/1 #4, 7W All Alum. #4, 7W Alum. Alloy	.225-.257	300	Orange
BPS-AS-SDE-0258	#3, 6/1 #3, 7W All Alum. #2, Solid #3, 7W Alum. Alloy	.258-.289	200	Black
BPS-AS-SDE-0290	#2, 6/1, 7/1 #2, 7W All Alum. #2, 7W Alum. Alloy	.290-.325	200	Red
BPS-AS-SDE-0326	#1, 6/1 #1, 7W All Alum. #1, 7W Alum. Alloy	.326-.360	200	Green
BPS-AS-SDE-0361	1/0, 6/1 1/0, 7W All Alum. 1/0, 7W Alum. Alloy	.361-.400	100	Yellow
BPS-AS-SDE-0401	2/0, 6/1 2/0, 7W All Alum. 2/0, 7W Alum. Alloy	.401-.450	100	Blue
BPS-AS-SDE-0451	3/0, 6/1 3/0, 7W All Alum. 3/0, 7W Alum. Alloy	.451-.510	100	Orange
BPS-AS-SDE-0511	4/0, 6/1, 18/1 4/0, 7W All Alum. 4/0, 7W Alum. Alloy	.511-.580	100	Red



# HELIXON FITTINGS

## SECTION D

### SLACK SPAN DEADENDS (C&F NECK) TYPE SS-DE

#### SSDE Slack Span Deadends

##### Rated Holding Strengths:

Slack Span Deadends are designed to terminate primary, secondary, and neutral aluminum based conductors in limited tension situations. Slack Span Deadends should never be used in full tension. The maximum allowable load on Slack Span Deadends is 1,000 pounds.

##### Material:

Aluminum Covered Steel, Aluminum Alloy

##### Tapping:

Taps should be applied directly to the conductor either ahead of the deadend, or behind the deadend crossover point onto the tail of the conductor.

Taps should never be made over the deadend.

Scratch brush and grease conductor first.



Catalog Number	ANSI Class	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-SS-DE-0229	55-2, 55-3, 55-4, 55-5	#4 AWG	.229-.257	25	Orange
BPS-SS-DE-0290	55-2, 55-3, 55-4, 55-5	#2 AWG	.290-.325	25	Red
BPS-SS-DE-0326	55-2, 55-3, 55-4, 55-5	#1 AWG	.326-.364	25	Green
BPS-SS-DE-0365	55-2, 55-3, 55-4, 55-5	1/0 AWG	.365-.409	25	Yellow
BPS-SS-DE-0410	55-2, 55-3, 55-4, 55-5	2/0 AWG	.410-.460	25	Blue
BPS-SS-DE-0461	55-2, 55-3, 55-4, 55-5	3/0 AWG	.461-.516	25	Orange
BPS-SS-DE-0517	55-2, 55-3, 55-4, 55-5	4/0 AWG	.517-.577	25	Red
BPS-SS-DE-0578	55-2, 55-3, 55-4, 55-5	266.8 KCMIL	.578-.665	25	Black
BPS-SS-DE-0666	55-2, 55-3, 55-4, 55-5	366.4 KCMIL	.666-.783	25	Green
BPS-SS-DE-0784	55-2, 55-3, 55-4, 55-5	477 KCMIL	.784-.883	25	Orange
BPS-SS-DE-0884	55-2, 55-3, 55-4, 55-5	636 KCMIL	.884-1.025	25	Brown
BPS-SS-DE-1026	55-2, 55-3, 55-4, 55-5	795 KCMIL	1.026-1.216	25	Orange



# HELIXON FITTINGS SECTION D

## SLACK SPAN DEADENDS (J-NECK) TYPE SSDE-JN

### *SSDE Slack Span Deadends*

**Rated Holding Strengths:**

Slack Span Deadends are designed to terminate primary, secondary, and neutral aluminum based conductors in limited tension situations. Slack Span Deadends should never be used in full tension. The maximum allowable load on Slack Span Deadends is 1,000 pounds.

**Material:**

Aluminum Covered Steel, Aluminum Alloy

**Tapping:**

Taps should be applied directly to the conductor either ahead of the deadend, or behind the deadend crossover point onto the tail of the conductor.

Taps should never be made over the deadend.

Scratch brush and grease conductor first.



Catalog Number	ANSI Class	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-SSDE-JN-0229	55-6, 55-7, 56-1	#4 AWG	.229-.257	25	Orange
BPS-SSDE-JN-0290	55-6, 55-7, 56-1	#2 AWG	.290-.325	25	Red
BPS-SSDE-JN-0326	55-6, 55-7, 56-1	#1 AWG	.326-.364	25	Green
BPS-SSDE-JN-0365	55-6, 55-7, 56-1	1/0 AWG	.365-.409	25	Yellow
BPS-SSDE-JN-0410	55-6, 55-7, 56-1	2/0 AWG	.410-.460	25	Blue
BPS-SSDE-JN-0461	55-6, 55-7, 56-1	3/0 AWG	.461-.516	25	Orange
BPS-SSDE-JN-0517	55-6, 55-7, 56-1	4/0 AWG	.517-.577	25	Red
BPS-SSDE-JN-0578	55-6, 55-7, 56-1	266.8 KCMIL	.578-.665	25	Black
BPS-SSDE-JN-0666	55-6, 55-7, 56-1	366.4 KCMIL	.666-.783	25	Green
BPS-SSDE-JN-0784	55-6, 55-7, 56-1	477 KCMIL	.784-.883	25	Orange
BPS-SSDE-JN-0884	55-6, 55-7, 56-1	636 KCMIL	.884-1.025	25	Brown
BPS-SSDE-JN-1026	55-6, 55-7, 56-1	795 KCMIL	1.026-1.216	25	Orange



## HELIXON FITTINGS SECTION D

### GALVANIZED STEEL DIST. DEADEND TYPE GS-DDE

#### SDG Galvanized Steel Dist. Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Galvanized Steel Distribution Deadend Grips, approximates that of their equivalent galvanized steel jacketed conductors.

##### Compatibility:

The Galvanized Steel Distribution Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Material:

Galvanized Steel

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.



Catalog Number	Nominal Conductor Size	Diameter Range (inches)	Loop Type	Std Pack	Color Code
BPS-GS-DDE-0229	#6, Solid, 3/64s #6, 7W, 2/64s	.229-.257	Open	100	Orange
BPS-GS-DDE-0258	#4, Solid, 2/64s #6, 7W, 3/64s	.258-.289	Open	100	Yellow
BPS-GS-DDE-0290	#6, 7W, 4/64s #4, 7W, 2/64s	.290-.325	Open	100	Red
BPS-GS-DDE-0326	#4, 7W, 3/64s #4, 7W, 4/64s	.326-.364	Open	100	Green
BPS-GS-DDE-0365	#2, 7W, 3/64s #4, 7W, 5/64s	.365-.409	Open	50	Yellow
BPS-GS-DDE-0410	#2, 7W, 5/64s #2, 7W, 4/64s	.410-.460	Open	50	Blue
BPS-GS-DDE-0461	#1, 19W, 5/64s 1/0, 7W, 4/64s	.461-.516	Open	50	Orange
BPS-GS-DDE-0517	1/0, 19W, 5/64s 1/0, 19W, 6/64s	.517-.577	Open	25	Purple
BPS-GS-DDE-0578	3/0, 7W, 4/64s 4/0, 7W, 4/64s	.578-.653	Closed	25	Blue
BPS-GS-DDE-0654	250, 19W, 4/64s 266.8, 19W, 4/64s	.654-.739	Closed	25	Red
BPS-GS-DDE-0740	300, 19W, 5/64s 336.4, 19W, 5/64s	.740-.837	Closed	10	Brown
BPS-GS-DDE-0838	336.4, 19W, 8/64s 397.5, 19W, 6/64s	.838-.947	Closed	10	Green
BPS-GS-DDE-0948	477, 37W, 5/64s 500, 37W, 8/64s	.948-1.071	Closed	10	Black
BPS-GS-DDE-1072	350, 19W, 12/64s 500, 37W, 12/64s	1.072-1.212	Closed	10	Purple



# HELIXON FITTINGS SECTION D

## AL. COVERED STEEL DIST. DEADEND TYPE AW-DDE

### AWDG AI. Covered Steel Dist. Deadends

**Rated Holding Strengths:**  
The ultimate tensile strength of Aluminum Covered Steel Distribution Deadend Grips, approximates that of their equivalent AWAC, and Aluminum/Alumoweld Compacted conductors.

**Compatibility:**  
The Aluminum Covered Steel Distribution Deadend Grips are fully compatible with their appropriate conductors in all environments.

**Material:**  
Aluminum Covered Steel

**Tapping:**  
Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.

Catalog Number	Nominal Conductor Size					Loop Type	Std Pack	Color Code
	ACSR	All-Alum.	Alum. Alloy	Comp. ACSR	AWAC 6/1			
AWDG0505	#6, 6/1	#6, 7W	#6, 7W	#6, 6/1	-	Open	100	Blue
AWDG0635	#4, 6/1 #4, 7/1	#4, 7W	#4, 7W	#4, 6/1	#4	Open	100	Orange
AWDG0805	#2, 6/1 #2, 7/1	#2, 7W	#2, 7W	#2, 6/1	#2	Open	100	Red
AWDG0900	#1, 6/1	#1, 7W	#1, 7W	#1, 6/1	#1	Open	50	Green
AWDG0990	1/0, 6/1	1/0, 7W	1/0, 7W	1/0, 6/1	1/0	Open	50	Yellow
AWDG1135	2/0, 6/1	2/0, 7W	2/0, 7W	2/0, 6/1	2/0	Open	50	Blue
AWDG1275	3/0, 6/1	3/0, 7W	3/0, 7W	3/0, 6/1	3/0	Open	50	Orange
AWDG1430	4/0, 6/1	4/0, 7W	4/0, 7W	4/0, 6/1	4/0	Open	25	Red
AWDG1470	266.8, 18/1	266.8, 19W	266.8, 19W	336.4, 18/1	-	Open	25	Black
AWDG1660	336.4, 18/1	336.4, 19W	336.4, 19W	397.5, 18/1	-	Open	25	Green
AWDG1880	397.5, 18/1 477, 36/1 477, 18/1	450, 19W 477, 19W 500, 37W	397.5, 19W	477, 18/1 556, 19W	-	Closed	10	Orange
AWDG2130	556.5, 36/1 605, 36/1 636, 18/1	556.5, 7W 636, 37W 650, 61W	477, 19W 55.9, 19W	636, 18/1 795, 19W	-	Closed	10	Blue
AWDG2410	666.6, 36/1 715.5, 36/1 795, 36/1	715.5, 37W 750, 61W 795, 61W	636, 37W	874.5, 37W 954, 37W	-	Closed	10	Brown
AWDG2730	874.5, 36/1 954, 36/1 1033.5, 36/1	874.5, 61W 954, 61W 1033.5, 61W	795, 37W	-	-	Closed	5	Orange





## HELIXON FITTINGS SECTION D

### AL. COVERED STEEL DIST. DEADEND TYPE AW-DDE

#### AWDG Al. Covered Steel Dist. Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Aluminum Covered Steel Distribution Deadend Grips, approximates that of their equivalent AWAC, Aluminum/Alumoweld Compacted conductors.

##### Compatibility:

The Aluminum Covered Steel Distribution Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Material:

Aluminum Covered Steel

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.



Catalog Number	Nominal Conductor Size	Outside Diameter (inches)	Loop Type	Std Pack	Color Code
BPS-AW-DDE-0261	#4 AWAC 5/2	.261	Open	100	Yellow
	#4 AWAC 4/3	.281			
BPS-AW-DDE-0293	#3 AWAC 5/2	.293	Open	100	Blue
	#4 AWAC 3/4	.307			
	#3 AWAC 4/3	.316			
BPS-AW-DDE-0330	#2 AWAC 5/2	.330	Open	50	Orange
	#4 AWAC 2/5	.340			
	#3 AWAC 3/4	.344			
	#2 AWAC 4/3	.355			
BPS-AW-DDE-0370	#1 AWAC 5/2	.370	Open	50	Purple
	#3 AWAC 2/5	.382			
	#2 AWAC 3/4	.386			
BPS-AW-DDE-0398	#1 AWAC 4/3 1/0 AWAC 5/2	.398 .416	Open	50	Blue
BPS-AW-DDE-0429	#2 AWAC 2/5	.429	Open	50	Red
	#1 AWAC 3/4	.434			
	1/0 AWAC 4/3	.447			
BPS-AW-DDE-0467	2/0 AWAC 5/2	.467	Open	50	Brown
	#1 AWAC 2/5	.482			
	1/0 AWAC 3/4	.487			
BPS-AW-DDE-0502	2/0 AWAC 4/3	.502	Open	50	Green
	3/0 AWAC 5/2	.524			
BPS-AW-DDE-0541	1/0 AWAC 2/5	.541	Open	25	Black
	2/0 AWAC 3/4	.547			
	3/0 AWAC 4/3	.564			
BPS-AW-DDE-0575	4/0 AWAC 15/4	.575	Closed	25	Purple



## HELIXON FITTINGS SECTION D

### GALVANIZED STEEL GUY DEADEND TYPE GS-GDE

#### SGG Galvanized Steel Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Galvanized Guy Deadend Grips approximates that of Extra High Strength, High Strength, Siemens Martin, and Utilities Grade equivalent conductors.

##### Materials:

Same basic material as the strand they are designed to hold.

##### Compatibility:

The Galvanized Guy Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.

Catalog Number	Strand (Inches)	Strand Construction	Mean Diameter (Inches)	Coat	Std Pack	Color Code
BPS-GS-GDE-0186	3/16	7W 7W	.186 .195	B	100	Red
BPS-GS-GDE-0216	7/32	7W	.216	B	50	Green
BPS-GS-GDE-0259	1/4	3W 7W	.259 .240	B	50	Yellow
BPS-GD-GDE-0279	9/32	7W	.279	B	50	Blue
BPS-GS-GDE-0312	5/16	3W 7W 7W	.312 .312 .327	B	50	Black
BPS-GS-GDE-0356	3/8	3W 7W	.356 .360	B	50	Orange
BPS-GS-GDE-0435	7/16	7W	.435	B	25	Green
BPS-GS-GDE-0495	1/2	7W 19W	.495 .500	C	20	Blue
BPS-GS-GDE-0564	9/16	7W 19W	.564 .565	C	10	Yellow
BPS-GS-GDE-0621	5/8	7W 19W	.621 .625	C	10	Black
BPS-GS-GDE-0751	3/4	19W	.750	C	5	Orange
BPS-GS-GDE-0885	7/8	19W	.885	C	3	Green
BPS-GS-GDE-1000	1	19W 37W	1.000 1.001	C	3	Blue





## HELIXON FITTINGS SECTION D

### ALUMINIZED GUY DEADEND TYPE AZ-GDE

#### AZGG Aluminized Guy Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of the Aluminized Guy Deadend Grips approximates that of their equivalent conductors.

##### Materials:

Same basic material as the strand they are designed to hold.

##### Compatibility:

The Aluminized Guy Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.

Catalog Number	Strand (Inches)	Strand Construction	Mean Diameter (Inches)	Coat	Std Pack	Color Code
BPS-AZ-GDE-0186	3/16	7W 7W	.186 .195	B	100	Red
BPS-AZ-GDE-0216	7/32	7W	.216	B	50	Green
BPS-AZ-GDE-0259	1/4	3W 7W	.259 .240	B	50	Yellow
BPS-AZ-GDE-0279	9/32	7W	.279	B	50	Blue
BPS-AZ-GDE-0312	5/16	3W 7W 7W	.312 .312 .327	B	50	Black
BPS-AZ-GDE-0356	3/8	3W 7W	.356 .360	B	50	Orange
BPS-AZ-GDE-0435	7/16	7W	.435	B	25	Green





## HELIXON FITTINGS SECTION D

### ALUMOWELD GUY DEADEND TYPE AW-GDE

#### AWGG Alumoweld Strand Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Alumoweld Guy Deadend Grips approximates that of their equivalent conductors.

##### Materials:

Same basic material as the strand they are designed to hold.

##### Compatibility:

The Alumoweld Guy Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.



Catalog Number	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-AW-GDE-0174	3#12	.174-.181	100	Orange
BPS-AW-GDE-0219	4M 3#10	.219-.230	50	Green
BPS-AW-GDE-0237	3#9 6M	.237-.247	50	Yellow
BPS-AW-GDE-0270	3#8 8M	.270-.280	50	Blue
BPS-AW-GDE-0303	3#7 10M 5/16"-7#10	.303-.313	50	Black
BPS-AW-GDE-0325	11.5M	.325-.336	50	Green
BPS-AW-GDE-0343	3#6 12.5M 11/32"-7#9	.343-.355	50	Yellow
BPS-AW-GDE-0356	14M	.356-.364	50	Blue
BPS-AW-GDE-0380	3#5 3/8"-7#8 16M	.380-.394	50	Orange
BPS-AW-GDE-0410	18M	.410-.426	25	Black
BPS-AW-GDE-0427	7/16"-7#7	.427-.442	25	Green
BPS-AW-GDE-0443	20M	.443-.459	25	Yellow
BPS-AW-GDE-0475	1/2"-7#6	.475-.494	25	Blue
BPS-AW-GDE-0495	19#10	.495-.515	25	Green
BPS-AW-GDE-0516	25M	.516-.536	20	Red
BPS-AW-GDE-0219	7#5	.537-.555	20	Yellow



## HELIXON FITTINGS SECTION D

### ALUMOWELD GUY DEADEND TYPE AW-GDE

#### AWGG Alumoweld Strand Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Alumoweld Guy Deadend Grips approximates that of their equivalent conductors.

##### Materials:

Same basic material as the strand they are designed to hold.

##### Compatibility:

The Alumoweld Guy Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.



Catalog Number	Nominal Strand Size	Diameter Range (Inches)	Std Pack	Color Code
BPS-AW-GDE-0556	-	.556-.570	100	Blue
BPS-AW-GDE-0571	19#9	.571-.591	50	Orange
BPS-AW-GDE-0592	-	.592-.612	50	Green
BPS-AW-GDE-0613	-	.613-.635	50	Yellow
BPS-AW-GDE-0636	19#8	.636-.661	50	Black
BPS-AW-GDE-0662	19X. 1363	.662-.686	50	Blue
BPS-AW-GDE-0687	-	.687-.712	50	Red
BPS-AW-GDE-0713	19#7 37#10	.713-.741	50	Black
BPS-AW-GDE-0742	19X. 1499	.742-.772	50	Yellow
BPS-AW-GDE-0792	-	.792	25	Blue
BPS-AW-GDE-0801	37#9 19#6 19X. 1660	.801 .810 .827	25	Green
BPS-AW-GDE-0849	37x. 121 19x. 170 19x.173 37x. 123	.849 .850 .866	25	Black
BPS-AW-GDE-0899	37#8	.899	25	Yellow
BPS-AW-GDE-0910	19#5 19x. 1868	.910 .934	25	Blue
BPS-AW-GDE-0981	37x. 1401	.981	20	Red
BPS-AW-GDE-1010	37#7	1.010	20	Green
BPS-AW-GDE-1100	37x. 1571	1.100		Black
BPS-AW-GDE-1134	37#6	1.134		Yellow
BPS-AW-GDE-1270	37#5	1.270		Red



## HELIXON FITTINGS SECTION D

### COPPERWELD GUY DEADEND TYPE CW-GDE

#### CWGG Copperweld Strand Deadends

##### Rated Holding Strengths:

The ultimate tensile strength of Copperweld Guy Deadend Grips approximates that of their equivalent conductors.

##### Materials:

Same basic material as the strand they are designed to hold.

##### Compatibility:

The Copperweld Guy Deadend Grips are fully compatible with their appropriate conductors in all environments.

##### Tapping:

Taps should be made directly on the conductor, either a minimum of 6 inches ahead of the deadend or beyond the deadend cross over point and applied to the conductor tail.



Catalog Number	Nominal Strand Size	Mean Diameter (Inches)	Std Pack	Color Code
BPS-CW-GDE-0164	2.2M	.164	100	Orange
BPS-CW-GDE-0174	3#12	.174	100	Red
BPS-CW-GDE-0209	4M	.209	100	White
BPS-CW-GDE-0220	3#10	.220	100	Green
BPS-CW-GDE-0237	3#9 6M	.247 .237	50	Yellow
BPS-CW-GDE-0258	6M3	.258	50	White
BPS-CW-GDE-0276	8M 3#8	.276 .277	50	Blue
BPS-CW-GDE-0303	10M 5/16"-7#10 3#7	.303 .306 .311	50	Red
BPS-CW-GDE-0343	7#9-11/32" 12.5M 3#6	.343 .345 .349	50	Green
BPS-CW-GDE-0360	14M	.360	50	Blue
BPS-CW-GDE-0385	7#8-3/8" 16M 3#5	.385 .386 .392	50	White
BPS-CW-GDE-0414	18M	.414	25	Orange
BPS-CW-GDE-0438	20M	.438	25	Yellow
BPS-CW-GDE-0486	19#10	.486	25	Blue
BPS-CW-GDE-0525	25M	.525	10	Green
BPS-CW-GDE-0546	7#5-9/16"	.546	10	Yellow



# HELIXON FITTINGS SECTION D

## ALUMINUM ALLOY ARMOR RODS TYPE AAR

### Application:

For protection of ACSR, All-Aluminum, Aluminum Alloy, AWAC, Compacted All-Aluminum, Compacted ACSR, and ACAR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 50% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Armor Rods should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Armor Rods should be considered as minimum protection on hand-tied, pin type construction of span lengths greater than 300 ft. in urban areas which have no history of vibration.
3. Armor Rods are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Conductor Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-AR-AL-0194	#6, 7W, Alum. Alloy #6, 6/1	.194-.207	7	100	Blue
BPS-AR-AL-0208	#4, 7W, Comp.	.208-.219	7	100	Black
BPS-AR-AL-0220	#5, 6/1 #5, 3-7, Alum. Alloy	.220-.228	8	100	White
BPS-AR-AL-0229	#4, 7W, All Alum.	.229-.243	8	100	Brown
BPS-AR-AL-0244	#4, 6/1, 7/1 #4, 7W, Alum. Alloy	.244-.259	7	50	Orange
BPS-AR-AL-0260	#3, 7W, All Alum. #2, 7W, Comp.	.260-.273	7	50	Green
BPS-AR-AL-0274	#3, 7W, Alum. Alloy	.274-.289	8	50	Yellow
BPS-AR-AL-0290	#2, 7W, All Alum. #2, 6/1 Comp.	.290-.308	8	50	Purple
BPS-AR-AL-0309	#2, 6/1, 7/1 #2, 7W, Alum. Alloy	.309-.326	9	50	Red
BPS-AR-AL-0327	#1, 7W, All Alum. 1/0, 7W-19W, Comp.	.327-.346	9	50	Blue
BPS-AR-AL-0347	#1, 6/1 #1,7W, Alum. Alloy	.347-.366	9	50	Green
BPS-AR-AL-0367	1/0, 7W, All Alum. 2/0, 7W, Comp.	.367-.389	10	50	Black
BPS-AR-AL-0390	1/0, 6/1 1/0, 7W, Alum. Alloy	.390-.413	9	50	Yellow



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



## HELIXON FITTINGS SECTION D

### ALUMINUM ALLOY ARMOR RODS TYPE AAR

#### Application:

For protection of ACSR, All-Aluminum, Aluminum Alloy, AWAC, Compacted All-Aluminum, Compacted ACSR, and ACAR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 50% of the outer strands damaged or broken.

#### Materials:

Aluminium Alloy

#### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Armor Rods should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Armor Rods should be considered as minimum protection on hand-tied, pin type construction of span lengths greater than 300 ft. in urban areas which have no history of vibration.
3. Armor Rods are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Conductor Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-AR-AL-0414	3/0, 7W, Comp., 2/0 7W-19W, All Alum.	.414-.436	10	50	Brown
BPS-AR-AL-0437	2/0, 6/1 2/0, 7W, Alum. Alloy 3/0, 6/1, Comp.	.437-.463	10	50	Blue
BPS-AR-AL-0464	3/0, 7W-19W All Alum.	.464-.490	10	50	Green
BPS-AR-AL-0491	3/0, 6/1 4/0, 6/1 Comp.	.491-.521	11	25	Orange
BPS-AR-AL-0522	4/0, 7W-19W All Alum.	.522-.551	11	25	Black
BPS-AR-AL-0552	4/0, 6/1	.552-.585	11	25	Red
BPS-AR-AL-0586	266.8, 19W	.586-.606	12	25	Black
BPS-AR-AL-0607	266.8, 18/1	.607-.630	12	25	Purple
BPS-AR-AL-0631	266.8, 26/7	.631-.655	12	25	Yellow
BPS-AR-AL-0656	336.4, 19W	.656-.679	13	18	Brown
BPS-AR-AL-0680	300, 26/7 336, 18/1	.680-.703	12	18	Blue
BPS-AR-AL-0704	336.4, 26/7	.704-.740	12	18	Green
BPS-AR-AL-0741	397.5, 18/1	.741-.782	13	18	Orange



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## ALUMINUM ALLOY ARMOR RODS TYPE AAR

### Application:

For protection of ACSR, All-Aluminum, Aluminum Alloy, AWAC, Compacted All-Aluminum, Compacted ACSR, and ACAR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 50% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Armor Rods should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Armor Rods should be considered as minimum protection on hand-tied, pin type construction of span lengths greater than 300 ft. in urban areas which have no history of vibration.
3. Armor Rods are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Conductor Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-AR-AL-0783	397.5, 26/7 477 ACC	.783-.814	11	15	Purple
BPS-AR-AL-0815	636, 19W Comp.	.815-.845	11	15	Red
BPS-AR-AL-0846	477, 26/7	.846-.907	12	15	Blue
BPS-AR-AL-0908	636, 37W, 556.5, 26/7	.908-.929	13	12	Green
BPS-AR-AL-0930	605, 26/7, 636, 24/7	.930-.976	13	12	White
BPS-AR-AL-0977	636, 26/7	.977-1.016	11	6	Yellow
BPS-AR-AL-1017	795, 37-61W	1.017-1.035	12	6	Brown
BPS-AR-AL-1036	715.5, 26/7, 795, 45/7	1.036-1.064	12	6	Blue
BPS-AR-AL-1065	795, 24/7	1.065-1.098	12	6	Green
BPS-AR-AL-1099	795, 26/7 954-AAC	1.099-1.139	12	6	Orange
BPS-AR-AL-1140	954, 36/1	1.140-1.161	13	6	Purple
BPS-AR-AL-1162	1033, 37-61W	1.162-1.208	13	6	Red
BPS-AR-AL-1209	1113, 45/7, 103, 54/7	1.209-1.269	12	6	Black



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## ALUMINUM ALLOY ARMOR RODS TYPE AAR

### Application:

For protection of ACSR, All-Aluminum, Aluminum Alloy, AWAC, Compacted All-Aluminum, Compacted ACSR, and ACAR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 50% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Armor Rods should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Armor Rods should be considered as minimum protection on hand-tied, pin type construction of span lengths greater than 300 ft. in urban areas which have no history of vibration.
3. Armor Rods are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Conductor Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-AR-AL-1270	1192.5, 45/7	1.270-1.327	12	6	White
BPS-AR-AL-1328	1272, 45/7	1.328-1.390	13	3	Yellow
BPS-AR-AL-1391	1431, 45/7	1.391-1.440	11	3	Brown
BPS-AR-AL-1441	1590, 45/7	1.441-1.508	12	3	Blue
BPS-AR-AL-1509	1590, 54/19	1.509-1.578	12	3	Green
BPS-AR-AL-1579	1780, 84/19	1.579-1.651	13	3	Orange
BPS-AR-AL-1652	-----	1.652-1.728	13	3	Purple
BPS-AR-AL-1729	2156, 84/19	1.729-1.809	14	3	Red
BPS-AR-AL-1810	2500, 19W 2493 ACAR	1.810-1.898	14	3	Black
BPS-AR-AL-1899	-----	1.899-1.991	15	3	White
BPS-AR-AL-1992	-----	1.992-2.090	15	3	Yellow
BPS-AR-AL-2091	-----	2.091-2.193	15	3	Brown



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## ALUMOWELD ARMOR RODS TYPE AWAR

### Application:

For protection of Alumoweld and Galvanized Steel Strand conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 50% of the outer strands damaged or broken.

### Materials:

Alumoweld, Galvanized Steel

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Armor Rods should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Armor Rods should be considered as minimum protection on hand-tied, pin type construction of span lengths greater than 300 ft. in urban areas which have no history of vibration.
3. Armor Rods are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Cable Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-AR-AW-0169	3#12 AW	.169-.178	7	50	Orange
BPS-AR-AW-0196	3#11 AW	.196-.207	7	50	Black
BPS-AR-AW-0218	#310 AW 4-M AW	.218-.225	8	50	Green
BPS-AR-AW-0237	1/4", 7#12 AW 6-M AW, 3#9 AW	.237-.249	9	50	Yellow
BPS-AR-AW-0264	9/32", 7#11 AW 8-M AW, 3#8 AW	.264-.277	9	25	Blue
BPS-AR-AW-0296	5/16", 7#10 AW 10-M AW, 3#7 AW	.296-.314	9	25	Black
BPS-AR-AW-0334	11/32", 7#9 AW 12.5M AW, 3#6 AW	.334-.352	10	25	Yellow
BPS-AR-AW-0373	3/8", 7#8 AW 16-M AW, 3#5 AW	.373-.392	10	25	Orange
BPS-AR-AW-0409	18-M AW	.409-.425	11	25	Black
BPS-AR-AW-0426	7/16" AW, 7#7 AW 20-M AW	.426-.450	12	25	Green
BPS-AR-AW-0477	1/2" AW 7#6AW	.477-.504	11	20	Blue
BPS-AR-AW-0535	9/16" AW 7#5 AW	.535-.565	12	10	Yellow
BPS-AR-AW-0593	5/8" AW 7#4 AW	.593-.625	11	10	Black



**Note:**Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## ALUMINUM ALLOY LINE GUARDS TYPE ALG

### Application:

For protection of ACSR, All Aluminum, AWAC, Compacted All-Aluminum, and Compacted ACSR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 25% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Line Guards should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Line Guards should be considered as minimum protection on hand-tied, pin type construction of span lengths less than 300 ft. in urban areas which have no history of vibration.
3. Line Guards are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Cable Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-LG-AL-0182	#6, 7W, All Alum.	.182-.193	7	100	Purple
BPS-LG-AL0194	#6, 7W Alum. Alloy #6, 6/1	.194-.207	7	100	Blue
BPS-LG-AL-0220	#5, 6/1 #5, 7W, Alum. Alloy	.220-.228	7	100	White
BPS-LG-AL-0229	#4, 7W, All Alum. #4, 6/1, 7/1 Comp.	.229-.243	8	100	Brown
BPS-LG-AL-0244	#4, 6/1, 7/1 #4, 7W, Alum. Alloy	.244-.259	8	100	Orange
BPS-LG-AL-0260	#3, 7W, All Alum. #2, 7W, Comp.	.260-.273	8	100	Green
BPS-LG-AL-0274	#3, 7W, Alum. Alloy	.274-.289	9	100	Yellow
BPS-LG-AL-0290	#2, 7W, All Alum.	.290-.308	9	100	Purple
BPS-LG-AL-0309	#2, 6/1, 7/1 #2, 7W, Alum. Alloy	.309-.326	9	100	Red
BPS-LG-AL-0327	#1, 7W, All Alum. 1/0, 7W-19W, Comp.	.327-.346	10	100	Blue
BPS-LG-AL-0347	#1, 6/1 1/0, 6/1 Comp.	.347-.366	10	100	Green
BPS-LG-AL-0367	1/0, 7W, All Alum. 2/0, 7W-19W, Comp.	.367-.389	11	100	Black
BPS-LG-AL-0390	1/0, 6/1 1/0, 7W, Alum. Alloy	.390-.413	11	100	Yellow



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## LINE GUARDS TYPE ALG

### Application:

For protection of ACSR, All Aluminum, AWAC, Compacted All-Aluminum, and Compacted ACSR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 25% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Line Guards should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Line Guards should be considered as minimum protection on hand-tied, pin type construction of span lengths less than 300 ft. in urban areas which have no history of vibration.
3. Line Guards are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.



Catalog Number	Nominal Cable Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-LG-AL-0414	3/0, 7W-19W, Comp. 2/0, 7W, All Alum.	.414-.436	12	50	Brown
BPS-LG-AL-0437	2/0, 6/1, 7/1 2/0, 7W, Alum. Alloy	.437-.463	13	50	Blue
BPS-LG-AL-0464	3/0, 7W-19W All Alum.	.464-.490	13	50	Green
BPS-LG-AL-0491	3/0, 6/1 3/0, 7W Alum. Alloy	.491-.521	14	50	Orange
BPS-LG-AL-0522	4/0, 7W-19W All Alum.	.522-.551	14	50	Black
BPS-LG-AL-0552	4/0, 6/1 4/0, 7W Alum. Alloy	.552-.585	15	50	Red
BPS-LG-AL-0586	266.8, 7W-19W 37W All Alum.	.586-.606	14	50	Black
BPS-LG-AL-0607	266.8, 18/1, 300, 19W-37W All Alum.	.607-.630	14	50	White
BPS-LG-AL-0631	266.8, 19W Alum. Alloy	.631-.655	14	50	Yellow
BPS-LG-AL-0656	336.4, 19W-37W All Alum.	.656-.679	15	50	Brown
BPS-LG-AL-0680	336.4, 18/1 350, 37W, All Alum.	.680-.703	15	50	Blue
BPS-LG-AL-0704	336.4, 19W Alum. Alloy 336-26/7	.704-.740	16	25	Green
BPS-LG-AL-0741	397.5, 18/1 26/7, 24/7	.741-.792	17	25	Orange
BPS-LG-AL-0793	477, 18/1, 477 19W-37W, All Alum.	.793-.840	18	25	Purple

**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## LINE GUARDS TYPE ALG

### Application:

For protection of ACSR, All Aluminum, AWAC, Compacted All-Aluminum, and Compacted ACSR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 25% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Line Guards should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Line Guards should be considered as minimum protection on hand-tied, pin type construction of span lengths less than 300 ft. in urban areas which have no history of vibration.
3. Line Guards are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.



Catalog Number	Nominal Cable Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-LG-AL-0841	477, 24/7 26/7, 30/7	.841-.898	19	25	Blue
BPS-LG-AL-0899	556.5, 24/7, 26/7 30/7	.899-.954	18	25	Green
BPS-LG-AL-0955	605, 26/7 636, 24/7	.955-.986	17	25	White
BPS-LG-AL-0987	636, 26/7 666.6, 24/7	.987-1.016	18	25	Yellow
BPS-LG-AL-1017	175.5, 24/7, 26/7 795-37, 61W	1.017-1.064	18	25	Brown
BPS-LG-AL-1065	874.5, 37W-61W All Alum.	1.065-1.098	17	15	Green
BPS-LG-AL-1099	795, 26/7, 30/19 954-37, 61W	1.099-1.153	15	15	Orange
BPS-LG-AL-1154	954, 45/7, 54/7	1.154-1.208	15	15	Purple
BPS-LG-AL-1209	1033-45/7, 54/7 1192.5, 61W All Alum., 1113- 45/7	1.209-1.268	16	15	Black
BPS-LG-AL-1269	1192.5, 45/7 1113-54/19	1.269-1.327	17	10	White
BPS-LG-AL-1328	1272-45/7, 54/19 1351.5, 6W All Alum., 1351- 45/7	1.328-1.390	17	10	Yellow
BPS-LG-AL-1391	1431, 45/7	1.391-1.440	16	5	Brown
BPS-LG-AL-1441	1431, 54/19	1.441-1.508	15	5	Blue

**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## LINE GUARDS TYPE ALG

### Application:

For protection of ACSR, All Aluminum, AWAC, Compacted All-Aluminum, and Compacted ACSR conductors against bending and compressive stresses. Protection against abrasion and arcing damage and repair of conductors having no more than 25% of the outer strands damaged or broken.

### Materials:

Aluminium Alloy

### Guide to Usage:

As the degree of protection in specific situations is affected by such factors as line design, temperature, tension, exposure to wind flow, vibration history etc, the following recommendations are made:

1. Line Guards should be regarded as minimum protection for clamp style supports or suspension arrangements.
2. Line Guards should be considered as minimum protection on hand-tied, pin type construction of span lengths less than 300 ft. in urban areas which have no history of vibration.
3. Line Guards are not designed to act as vibration dampers

Their role is to provide conductors with an extra degree of protection at support points.

Catalog Number	Nominal Cable Size	Diameter Range (inches)	Rods Per Set	Sets Per Std. Pack	Color Code
BPS-LG-AL-1509	1590, 54/19 1750, 61W, All Alum.	1.509-1.578	16	5	Green
BPS-LG-AL-1579	1780, 84/19 2000, 91W, All Alum.	1.579-1.651	17	5	Orange
BPS-LG-AL-1652	2034, 72/7	1.652-1.728	15	5	Purple
BPS-LG-AL-1729	2156, 84/19 2312, 76/19	1.729-1.890	16	3	Red



**Note:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



# HELIXON FITTINGS SECTION D

## CONDUCTOR LINE SPLICES TYPE ALS

### Application:

Joining and repairing ACSR, All-Aluminum, Aluminum Alloy, and AWAC conductors.

### Jointing and Restorative Repairs:

For efficient jointing and repair, the prerequisites of a line splice are high conductivity, high holding strength, and compatibility with conductor for avoidance of corrosion.

### Conductivity:

In all cases – Helixon line splices will provide conductivity equal to, or better than, an equivalent length of unspliced conductor. To ensure a good long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.

### Holding strength:

On all conductors of homogeneous stranding, Helixon conductor line splices will hold the full rated ultimate tensile strength of the conductors.



Catalog Number	Conductor Size	Number Sub Sets	Std Pack	Color Code
BPS-LS-AL-0450	#6, 7W, All Alum.	2	50	Purple
BPS-LS-AL-0470	#6, 6/1 #6, 7W, Alum. Alloy	2	50	Blue
BPS-LS-AL-0580	#4, 7W, All Alum.	2	50	Brown
BPS-LS-AL-0625	#4, 6/1-7/1 #4, 7W, Alum. Alloy	3	50	Orange
BPS-LS-AL-0655	#3, 7W, All Alum.	3	50	Green
BPS-LS-AL-0690	#3, 7W, Alum. Alloy	3	50	Yellow
BPS-LS-AL-0735	#2, 7W, All Alum. #3, AWAC 5/2	3	50	Purple
BPS-LS-AL-0760	#2, AWAC, 6/1	3	50	Brown
BPS-LS-AL-0790	#2, 6/1-7/1 #2, 7W, Alum. Alloy	3	50	Red
BPS-LS-AL-0830	#1, 7W, All Alum.	3	50	Blue
BPS-LS-AL-0865	#1, AWAC, 6/1	3	50	Orange
BPS-LS-AL-0895	#1, 6/1 #1, 7W, Alum. Alloy	3	50	Green
BPS-LS-AL-0935	#1 AWAC 5/2 1/0, 7W, All Alum.	3	50	Black
BPS-LS-AL-0970	1/0, AWAC 6/1 1/0, 6/1 1/0, 7W, Alum. Alloy	3	50	Yellow
BPS-LS-AL-1050	2/0, 7W, All Alum.	3	50	Brown
BPS-LS-AL-1130	2/0, 6/1 2/0, 7W, Alum. Alloy	3	50	Blue
BPS-LS-AL-1175	3/0, 7W, All Alum.	3	50	Green
BPS-LS-AL-1225	3/0, 7W, Alum. Alloy 3/0 AWAC 6/1 3/0, 6/1	3	50	Orange



## HELIXON FITTINGS SECTION D

### CONDUCTOR LINE SPLICES TYPE ALS

#### Application:

Joining and repairing ACSR, All-Aluminum, Aluminum Alloy, and AWAC conductors.

#### Jointing and Restorative Repairs:

For efficient jointing and repair, the prerequisites of a line splice are high conductivity, high holding strength, and compatibility with conductor for avoidance of corrosion.

#### Conductivity:

In all cases – Helixon line splices will provide conductivity equal to, or better than, an equivalent length of unspliced conductor. To ensure a good long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.

#### Holding strength:

On all conductors of homogeneous stranding, Helixon conductor line splices will hold the full rated ultimate tensile strength of the conductors.

Catalog Number	Conductor Size	Number Sub Sets	Std Pack	Color Code
BPS-LS-AL-1325	3/0, AWAC 5/2 4/0, 7W, All-Alum.	3	50	Black
BPS-LS-AL-1385	4/0, 6/1 4/0, 7W, Alum. Alloy	3	50	Red
BPS-LS-AL-1445	250, 19W-37W All-Alum. 4/0, AWAC 15/4 266.8, 7W-19W, All-Alum.	3	50	Blue
BPS-LS-AL-1510	266.8, 18/1	3	50	Purple
BPS-LS-AL-1570	226.8, 26/7 300, 19W-37W, All-Alum.	3	50	Yellow
BPS-LS-AL-1640	300, 18/1 336.4, 19W-37W, All-Alum.	3	50	Brown
BPS-LS-AL-1705	300, 26/7-30/7 336.4, 18/1-36/1 350, 19W-37W, All-Alum.	3	50	Orange
BPS-LS-AL-1780	336.4, 26/7 336.4, 19W, Alum. Alloy 397.5, 19W-37W, All-Alum. 400, 19W-37W, All-Alum.	3	50	Green
BPS-LS-AL-1855	336.4, 30/7 397.5, 18/1	3	50	Black
BPS-LS-AL-1935	397.5, 26/7 397.5, 19W, Alum. Alloy 450, 19W-37W, All-Alum.	3	50	Purple





# HELIXON FITTINGS SECTION D

## CONDUCTOR LINE SPLICES TYPE AMLS & AWLS

### Application:

Joining and repairing AWAC conductors.

### Jointing and Restorative Repairs:

For efficient jointing and repair, the prerequisites of a line splice are high conductivity, high holding strength, and compatibility with conductor for avoidance of corrosion.

### Conductivity:

In all cases – Helixon line splices will provide conductivity equal to, or better than, an equivalent length of unspliced conductor. To ensure a good long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.

### Holding strength:

On all conductors of homogeneous stranding, Helixon conductor line splices will hold the full rated ultimate tensile strength of the conductors.



Catalog Number	Conduct or Size	Outside Diameter (inches)	Std Pack	Color Code
BPS-LS-AM-0081	#4, 4/3	.81	50	Green
BPS-LS-AM-0316	#3, 4/3	.316	50	Purple
BPS-LS-AM-0330	#2, 5/2	.330	50	Green
BPS-LS-AM-0355	#2, 4/3	.355	50	Purple
BPS-LS-AM-0398	#1, 4/3	.398	50	Red
BPS-LS-AM-0416	1/0, 5/2	.416	50	Orange
BPS-LS-AM-0447	1/0, 4/3	.447	50	Brown
BPS-LS-AM-0467	2/0, 5/2	.467	50	Orange
BPS-LS-AM-0502	2/0, 4/3	.502	50	Black
BPS-LS-AM-0564	3/0, 4/3	.564	25	Yellow
BPS-LS-AW-0307	#4, 3/4	.307	50	Purple
BPS-LS-AW-0340	#4, 2/5 #3, 3/4	.340	50	Blue
BPS-LS-AW-0382	#3, 2/5 #2, 3/4	.382	50	Brown
BPS-LS-AW-0429	#2, 2/5 #1, 3/4	.429	25	Green
BPS-LS-AW-0482	#1, 2/5 1/0, 3/4	.482	25	Red
BPS-LS-AW-0541	1/0, 2/5 2/0, 3/4	.541	10	Green



## HELIXON FITTINGS SECTION D

### GALVANIZED STRAND SPLICES TYPE SGS

**Application:**

Joining and repairing galvanized “B” coat conductors.

**Jointing and Restorative Repairs:**

For efficient jointing and repair, the prerequisites of a line splice are high conductivity, high holding strength, and compatibility with conductor for avoidance of corrosion.

**Conductivity:**

In all cases – Helixon line splices will provide conductivity equal to, or better than, an equivalent length of unspliced conductor . To ensure a good long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.

**Holding strength:**

On all aluminum conductors of homogeneous stranding, Helixon line splices will hold the full rated ultimate tensile strength of the conductors.

Catalog Number	Size	Constr.	Mean Diameter (inches)	Number Sub Sets	Std Pack	Color Code
BPS-SS-GS-0186	3/16	7W 7W	.195 .186	2	50	Red
BPS-SS-GS-0216	7/32	7W	.216	2	50	Green
BPS-SS-GS-0240	1/4	3W 7W	.259 .240	2	50	Yellow
BPS-SS-GS-0279	9/32	7W	.279	2	50	Blue
BPS-SS-GS-0312	5/16	3W 7W	.312 .327	3	50	Black
BPS-SS-GS-0356	3/8	3W 7W	.356 .360	3	50	Orange
BPS-SS-GS-0435	7/16	7W	.435	3	50	Green
BPS-SS-GS-0495	1/2	7W 19W	.495 .500	3	50	Blue
BPS-SS-GS-0564	9/16	7W 19W	.564 .565	4	50	Yellow





# HELIXON FITTINGS SECTION D

## ALUMOWELD STRAND SPLICES TYPE AWGS

### Application:

Joining and restorative on alumoweld conductors.

### Joining and Restorative Repairs:

For efficient joining and repair, the prerequisites of a line splice are high conductivity, high holding strength, and compatibility with conductor for avoidance of corrosion.

### Conductivity:

In all cases – aluminum alloy Helixon line splices will provide conductivity equal to, or better than, an equivalent length of unspliced conductor. To ensure a good long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.

### Holding strength:

On all aluminum conductors of homogeneous stranding, Helixon line splices will hold the full rated ultimate tensile strength of the conductors.



Catalog Number	Constr.	Mean Diameter (inches)	Number Sub Sets	Std Pack	Color Code
BPS-SS-AW-0174	3#12	.174	2	50	Orange
BPS-SS-AW-0220	4M 3#10	.220 .220	2	50	Green
BPS-SS-AW-0242	3#9 6M 1.4	.247 .242 .242	2	50	Yellow
BPS-SS-AW-0272	3#8 9/32	.277 .272	3	50	Blue
BPS-SS-AW-0306	3#7 10M 5/16- 7#10	.311 .306 .306	3	50	Black
BPS-SS-AW-0343	3#6 12.5M 11/32- 7#9	.349 .343 .343	3	50	Yellow
BPS-SS-AW-0363	14M	.363	3	25	Blue
BPS-SS-AW-0385	3#5 3/8-7#8 16M	.392 .385 .386	3	25	Orange
BPS-SS-AW-0417	18M	.417	3	25	Black
BPS-SS-AW-0433	7/16- 7#7	.433	3	25	Green
BPS-SS-AW-0444	20M	.444	3	10	Yellow
BPS-SS-AW-0486	7#6 1/2	.486	3	10	Blue



# HELIXON FITTINGS SECTION D

## FULL TENSION LINE SPLICE TYPE FTS

### Rated Holding Strength:

The full rated breaking strength of the splice is 100% of both the aluminum strands and the steel core.

### Conductivity of splice:

Conductivity of splice is equal to, or better than, an equivalent length of ACSR conductor.

### Installation:

1. Splices should not be reused after original installation.
2. To ensure a reliable long term joint, the conductor must be scratch brushed and greased prior to the application of the splice.
3. Splices should be at least 6 inches from armor rods, line guards or other support hardware. If position of splice, or restorative repair, does not permit this clearance, consult Berry Power Systems for installation recommendations.

### Tapping:

Tapping is permissible provided proper scratch brushing and inhibitor procedures are used.

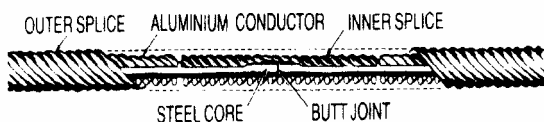


Diagram above explains use of Inner and Outer splices



TYPICAL INNER AND OUTER SUB-SETS (FULL TENSION SPLICE)

Catalog Number	ACSR Conductor Size	Number of Sub Sets	Std Pack	Color Code
BPS-FTLS-0635	#4, 6/1	3	100	Orange
BPS-FTLS-0655	#4, 7/1	3	100	Orange
BPS-FTLS-0805	#2, 6/1	3	100	Red
BPS-FTLS-0825	#2, 7/1	3	100	Red
BPS-FTLS-1010	1/0, 6/1	3	50	Yellow
BPS-FTLS-1135	2/0, 6/1	3	50	Blue
BPS-FTLS-1275	3/0, 6/1	3	25	Orange
BPS-FTLS-1430	4/0, 6/1	3	25	Red
BPS-FTLS-1170	101.8, 12/7	3	25	Blue
BPS-FTLS-1220	110.8, 12/7	3	25	Green
BPS-FTLS-1345	134.6, 12/7	3	10	Purple
BPS-FTLS-1630	266.8, 26/7	3	10	Yellow
BPS-FTLS-1735	336.4, 18/1	3	10	Blue
BPS-FTLS-1830	336.4, 26/7	3	10	Green
BPS-FTLS-1880	336.4, 30/7	3	10	Orange
BPS-FTLS-1990	397.5, 26/7	3	5	Purple
BPS-FTLS-2150	477, 24/7	3	5	Blue
BPS-FTLS-2180	477, 26/7	4	5	Blue
BPS-FTLS-2355	556.5, 26/7	3	3	Green
BPS-FTLS-2480	636, 26/7	4	3	Yellow
BPS-FTLS-2515	636, 26/7	4	3	Yellow
BPS-FTLS-2700	795, 45/7	4	3	Blue
BPS-FTLS-2815	795, 26/7	4	3	Orange
BPS-FTLS-3415	1272, 45/7	4	3	Yellow



# HELIXON FITTINGS SECTION D

## SPIRAL VIBRATION DAMPER TYPE HVD

### Application:

Spiral Vibration Dampers are designed to control vibration for conductors between 0.174 in. and 0.760 in. OD and should be used in areas where vibration is suspected or experienced.

### Materials:

Spiral Vibration Dampers are made from solid, non-corrosive high impact strength UV resistant PVC rod. Material withstands ambient temperatures in the range of - 40 degrees F to 150 degrees F.

### Installation:

Engineering calculations are unnecessary for placement. The gripping section should be installed approximately 4 in. to 5 in. from deadends, armor rods, or other conductor hardware. Generally, one Spiral Vibration Damper at each end of a span is adequate. However, for spans exceeding 790 feet two Spiral Vibration Dampers at each end of the span are recommended.

Catalog Number	Nominal Conductor Size	Conductors Dia. Range		Std Pack	Color Code
		In.	mm		
BPS-HVD-0441	#6, 6/1 #4, 7W AAC, Cu 8A, CW/CU 3#9AW	.174-.249	4.41 – 6.34	50	Red
BPS-HVD-0635	#4, 6/1, 7/1 #4, 7W Alum. Alloy #2, 6/1, 7/1 #2, 7W AAC, CU 5/16"-7 Str.Galv. 3#8AW	.250-.326	6.35 – 8.29	50	Blue
BPS-HVD-0830	#1, 6/1 1/0, 6/1 1/0, 7W-19W AAC, CU 2/0, 6/1, 7/1 2/0, 7W-19W All Alum. 101.8, 12/7 3/8", 7/16"-7 Str. Galv. 7#8AW	.327-.461	8.30 – 11.72	50	Black
BPS-HVD-1173	3/0, 6/1 3/0, 7W-19W AAC, CU 4/0, 6/1 4/0, 7W-19W AAC, CU 134.6 12/7 1/2"-7 Str. Galv. 7#6 AW	.462-.563	11.73 – 14.32	50	Yellow
BPS-HVD-1432	266.9, 18/1 266.8, 7W-19W AAC 336.4, 18/1, 36/1 336.4, 19W-37W AAC 397.5, 18/1, 36/1 397.5, 19W AAC 19#9 AW	.564-.760	14.32 – 19.30	10	Green





# HELIXON FITTINGS SECTION D

## GUY LOK TYPE SGL & AWGL

**A high strength and fast way to secure pole guy wires.**

**Application:**

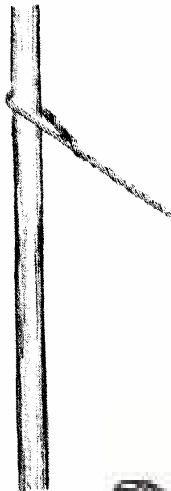
For use with galvanized steel guy strand and alumoweld guy strand in most guying applications.

**Description:**

Guy Loks are designed as an alternate to Guy Deadends when the guy strand is wrapped around the pole. The Helixon Guy Lok is quickly applied and presents a neat finished appearance.

**Features:**

Holds full rated breaking strength of galvanized steel strands. Remains fully operational under conditions of temperature extremes, tension and impact. Can be installed single or double wrapped as required



Catalog Number	Conductor StrandType	Conductor Strand Size	Std Pack	Color Code
BPS-GL-GS-0610	Galvanized	1/4	50	Yellow
BPS-GL-GS-0790	Galvanized	5/16	50	Black
BPS-GL-GS-0915	Galvanized	3/8	50	Orange
BPS-GL-GS-1105	Galvanized	7/16	25	Green
BPS-GL-AW-0600	Alumoweld	6M	50	Yellow
BPS-GL-AW-0685	Alumoweld	8M	50	Blue
BPS-GL-AW-0770	Alumoweld	10M	50	Black
BPS-GL-AW-0870	Alumoweld	12.5M	50	Yellow



**Notes:** Suffix D in Cat. No. denotes fitting suits more than one conductor.



## HELIXON FITTINGS SECTION D

### GUY GUARD TYPE PGG

**Application:**

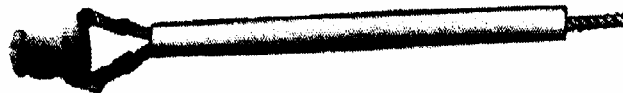
The Berry Power Systems Guy Guard, gives a high visibility to pole guys. It would therefore assist in collision protection in positions exposed to people, vehicles and wandering stock. It is also a neat, maintenance-free, easily installed alternative to the heavier wooden arrangements of slats and cleats.

**Material:**

Fade resistant, gloss white lightweight PVC. Standard lengths are as shown in the table, but other lengths can be made to order.

Available split or unsplit for use on existing or new installation.

Catalog Number	Internal Dia.		Std Length		Std Pack
	in.	mm	Ft.	m	
BPS-PGG-2520	1	25 tube	6-1/2	2.0m	50
BPS-PGG-2520S	1	25 Split tube	6-1/2	2.0m	50
BPS-PGG-3020	1-3/16	30 tube	6-1/2	2.0m	50
BPS-PGG-3020S	1-3/16	30 split tube	6-1/2	2.0m	50
BPS-PGG-3025	1-3/16	30 tube	8-1/4	2.5m	50
BPS-PGG-3524	1-3/8	35 tube	8-1/4	2.4m	50



**Notes:** Suffix **S** in Cat. No. denotes fitting is split helically.



# HELIXON FITTINGS SECTION D

## BIRD FLIGHT DIVERTERS TYPE BFD

### Application:

Berry Power Systems Flight Diverters provide a visual image which helps birds avoid collisions with power lines. Studies show that proper installation of Flight Diverters may reduce collisions by up to 90%.

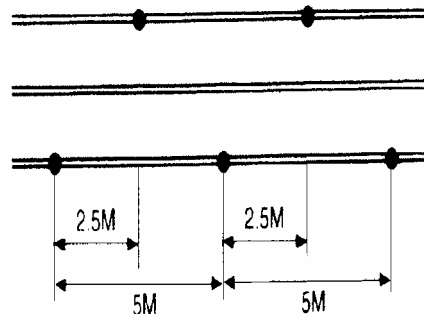
### Materials:

Berry Power Systems Flight Diverters are made from solid, non-corrosive high impact strength UV resistant PVC rod. Material withstands ambient temperatures in the range  $-40^{\circ}$  F to  $150^{\circ}$  F and is orange in color, as this has proven to be the most effective color in terms of sighting by various bird species.

### Installation:

Recommended spacing for Bird Flight Diverters is 16-1/2 feet apart on each outer conductor phase, with one phase staggered at half a pitch out of line.

Catalog Number	Conductor Dia. Range		Std Pack	Color Code
	In	mm		
BPS-BFD-019	0.19 – 0.25	4.41 – 6.34	50	Red
BPS-BFD-025	0.25-0.31	6.35 – 8.29	50	Blue
BPS-BFD-031	0.31-0.44	8.30 – 11.72	50	Black
BPS-BFD-044	0.44-0.56	11.73 – 14.31	50	Yellow
BPS-BFD-056	0.56-0.75	14.32 – 19.30	50	Green



Spacing layout – Bird Flight Diverters



# HELIXON FITTINGS SECTION D

## HELIXON SUSPENSION CLAMPS TYPE HSC

CATALOG NUMBER		DIAMETER RANGE (INCHES)		NOMINAL CONDUCTOR SIZE	LENGTH (INCHES)		ROD DIAMETER (INCHES)	RODS PER SET	SETS PER CARTON	COLOR CODE
SINGLE (FIG. 1)	DOUBLE (FIG. 2)	MIN.	MAX.		SINGLE	DOUBLE				
HSC-0908-0920	DHSC-0908-0920	0.304	0.315	#4, 3/4 AWAC	26	38	0.250	10	24	BROWN
HSC-0921-0937	DHSC-0921-0937	0.316	0.327	#2, 6/1	26	38	0.250	11	24	RED
HSC-0938-0962	DHSC-0938-0962	0.328	0.342	#4, 2/5 AWAC	26	38	0.250	11	24	ORANGE
HSC-0963-0986	DHSC-0963-0986	0.343	0.355	#3, 3/4 AWAC	26	38	0.250	11	24	BLACK
HSC-0987-1005	DHSC-0987-1005	0.356	0.374	#1, 5/2 AWAC	26	38	0.250	12	24	GREEN
HSC-1006-1022	DHSC-1006-1022	0.375	0.389	#3, 2/5 AWAC	26	38	0.310	12	24	PURPLE
HSC-1023-1040	DHSC-1023-1040	0.39	0.404	1/0, 6/1	36	48	0.310	11	24	YELLOW
HSC-1041-1074	DHSC-1041-1074	0.405	0.418	1/0, 5/2 AWAC	36	48	0.310	11	24	BROWN
HSC-1075-1090	DHSC-1075-1090	0.419	0.434	#1, 3/4 AWAC	36	48	0.310	11	24	GREEN
HSC-1091-1118	DHSC-1091-1118	0.435	0.45	2/0, 6/1	36	48	0.310	11	24	BLUE
HSC-1119-1136	DHSC-1119-1136	0.451	0.47	2/0, 5/2 AWAC	36	48	0.310	12	24	WHITE
HSC-1137-1152	DHSC-1137-1152	0.471	0.481	110.8, 12/7	36	48	0.310	12	24	GREEN
HSC-1153-1175	DHSC-1153-1175	0.482	0.499	#1, 2/5 AWAC	40	53	0.310	10	18	RED
HSC-1176-1208	DHSC-1176-1208	0.5	0.512	3/0, 6/1	40	53	0.310	10	18	BLUE
HSC-1209-1226	DHSC-1209-1226	0.513	0.53	4/0, 7W All-Alum.	41	53	0.365	11	18	GREEN
HSC-1227-1259	DHSC-1227-1259	0.531	0.542	159, 12/7 AWAC	41	S3	0.365	11	18	YELLOW
HSC-1260-1286	DHSC-1260-1286	0.543	0.555	2/0, 3/4 AWAC	44	58	0.365	10	18	BLACK

### Application:

Berry Power Systems helixon suspension clamps are intended for use on aluminum based conductors, alumoweld wire, and galvanized steel strands. They are designed to reduce mechanical stresses at the support point due to static loading as well as dynamic loading caused by aeolian vibration.



Single Suspension Clamp  
Figure 1



Double Suspension Clamp  
Figure 2



# HELIXON FITTINGS SECTION D

## HELIXON SUSPENSION CLAMPS TYPE HSC

CATALOG NUMBER		DIAMETER RANGE (INCHES)		NOMINAL CONDUCTOR SIZE	LENGTH (INCHES)		ROD DIAMETER (INCHES)	RODS PER SET	SETS PER CARTON	COLOR CODE
SINGLE (FIG. 1)	DOUBLE (FIG. 2)	MIN.	MAX.		SINGLE	DOUBLE				
HSC-1287-1314	DHSC-1287-1314	0.556	0.573	4/0, 6/1	44	58	0.365	11	18	WHITE
HSC-1315-1355	DHSC-1315-1355	0.574	0.594	266.8, 7-19W All-Alum.	45	58	0.365	11	18	BROWN
HSC-1356-1394	DHSC-1356-1394	0.595	0.606	266.8, 18/1 AWAC	46	58	0.365	11	18	ORANGE
HSC-1395-1416	DHSC-1395-1416	0.607	0.619	266.8, 18/1	46	58	0.365	11	18	PURPLE
HSC-1417-1442	DHSC-1417-1442	0.62	0.645	266.8, 26/7	50	66	0.365	12	18	RED
HSC-1443-1477	DHSC-1443-1477	0.646	0.673	336.4, 19W All-Alum.	54	72	0.365	11	15	BLUE
HSC-1478-1516	DHSC-1478-1516	0.674	0.69	300, 26/7	54	72	0.365	11	15	GREEN
HSC-1517-1557	DHSC-1517-1557	0.691	0.71	336.4, 26/7 AWAC	54	72	0.365	12	15	YELLOW
HSC-1558-1579	DHSC-1558-1579	0.711	0.731	336.4, 26/7	55	72	0.365	12	15	BLACK
HSC-1580-1612	DHSC-1580-1612	0.732	0.75	336.4, 30/7	56	72	0.365	12	15	WHITE
HSC-1613-1650	DHSC-1613-1650	0.751	0.768	397.5, 26/7 AWAC	60	78	0.365	10	12	BROWN
HSC-1651-1688	DHSC-1651-1688	0.769	0.795	397.5, 26/7	60	78	0.365	11	12	ORANGE
HSC-1689-1711	DHSC-1689-1711	0.796	0.824	397.5, 30/7	61	78	0.355	11	12	PURPLE
HSC-1712-1752	DHSC-1712-1752	0.825	0.845	477, 26/7 AWAC	64	82	0.365	11	12	RED
HSC-1753-1790	DHSC-1753-1790	0.846	0.87	477, 26/7	64	82	0.365	11	12	BLUE
HSC-1791-1828	DHSC-1791-1828	0.871	0.893	477, 30/7	65	82	0.365	12	12	GREEN
HSC-1829-1882	DHSC-1829-1882	0.894	0.907	500, 30/7	65	82	0.365	12	12	GREEN

### Application:

Berry Power Systems helixon suspension clamps are intended for use on aluminum based conductors, alumoweld wire, and galvanized steel strands. They are designed to reduce mechanical stresses at the support point due to static loading as well as dynamic loading caused by aeolian vibration.



Single Suspension Clamp  
Figure 1



Double Suspension Clamp  
Figure 2



# HELIXON FITTINGS SECTION D

## HELIXON SUSPENSION CLAMPS (GALV. STEEL) TYPE HSC-GS

CATALOG NUMBER		DIAMETER RANGE (INCHES)		NOMINAL STRAND SIZE	LENGTH (INCHES)		ROD DIAMETER (INCHES)	RODS PER SET	SETS PER CARTON	COLOR CODE
SINGLE (FIG. 1)	DOUBLE (FIG. 2)	MIN.	MAX.		SINGLE	DOUBLE				
HSC-GS-0272-0283	DHSC-GS-0272-0283	0.272	0.283	9/32", 7W	26	38	0.119	8	24	Blue
HSC-GS-0284-0294	DHSC-GS-0284-0294	0.284	0.294	-	26	38	0.119	9	24	Red
HSC-GS-0295-0303	DHSC-GS-0295-0303	0.295	0.303	-	26	38	0.119	9	24	Brown
HSC-GS-0304-0315	DHSC-GS-0304-0315	0.304	0.315	5/16", 7W EHS	26	38	0.119	9	24	Black
HSC-GS-0316-0327	DHSC-GS-0316-0327	0.316	0.327	5/16", 7W UTILITY	26	38	0.119	9	24	Green
HSC-GS-0328-0342	DHSC-GS-0328-0342	0.328	0.342	-	26	38	0.119	10	24	Purple
HSC-GS-0343-0355	DHSC-GS-0343-0355	0.343	0.355	-	26	38	0.119	10	24	Brown
HSC-GS-0356-0374	DHSC-GS-0356-0374	0.356	0.374	3/8", 7W EHS	26	38	0.119	10	24	Orange
HSC-GS-0375-0389	DHSC-GS-0375-0389	0.375	0.389	-	26	38	0.119	10	24	Blue
HSC-GS-0390-0404	DHSC-GS-0390-0404	0.390	0.404	-	26	38	0.138	10	24	Red
HSC-GS-0405-0418	DHSC-GS-0405-0418	0.405	0.418	-	26	38	0.138	10	24	Brown
HSC-GS-0419-0434	DHSC-GS-0419-0434	0.419	0.434	-	26	38	0.138	11	24	Black
HSC-GS-0435-0450	DHSC-GS-0435-0450	0.435	0.450	7/16", 7W EHS	26	38	0.138	11	24	Green
HSC-GS-0451-0470	DHSC-GS-0451-0470	0.451	0.470	-	26	38	0.138	11	24	Purple
HSC-GS-0471-0481	DHSC-GS-0471-0481	0.471	0.481	-	26	38	0.138	11	24	Brown
HSC-GS-0482-0500	DHSC-GS-0482-0500	0.482	0.500	1/2", 7W-19W	26	38	0.138	12	24	Blue

### Application:

Berry Power Systems helixon suspension clamps are intended for use on aluminum based conductors, alumoweld wire, and galvanized steel strands. They are designed to reduce mechanical stresses at the support point due to static loading as well as dynamic loading caused by aeolian vibration.



Single Suspension Clamp  
Figure 1



Double Suspension Clamp  
Figure 2



# HELIXON FITTINGS SECTION D

## HELIXON SUSPENSION CLAMPS (ALUMINUM CLAD) TYPE HSC-AL

CATALOG NUMBER		DIAMETER RANGE (INCHES)		NOMINAL STRAND SIZE	LENGTH (INCHES)		ROD DIAMETER (INCHES)	RODS PER SET	SETS PER CARTON	COLOR CODE
SINGLE (FIG. 1)	DOUBLE (FIG. 2)	MIN.	MAX.		SINGLE	DOUBLE				
HSC-AL-0272-0283	DHSC-AL-0272-0283	0.272	0.283	3 #8, 8M 9/32", 7W	26	38	0.114	9	24	Blue
HAS-AL-0284-0294	DHAS-AL-0284-0294	0.284	0.294	-	26	38	0.114	9	24	Red
HAS-AL-0295-0303	DHAS-AL-0295-0303	0.295	0.303	-	26	38	0.114	9	24	Black
HAS-AL-0304-0315	DHAS-AL-0304-0315	0.304	0.315	3 #7, 7 #10 10M	26	38	0.114	9	24	Brown
HAS-AL-0316-0327	DHAS-AL-0316-0327	0.316	0.327	5/16", 3w, 7w	26	38	0.114	10	24	Purple
HAS-AL-0328-0342	DHAS-AL-0328-0342	0.328	0.342		26	38	0.114	10	24	Green
HAS-AL-0343-0355	DHAS-AL-0343-0355	0.343	0.355	3 #6, 7 #9 12.5M	26	38	0.114	10	24	Black
HAS-AL-0356-0374	DHAS-AL-0356-0374	0.356	0.374	14M 3/8"	26	38	0.114	10	24	Brown
HAS-AL-0375-0389	DHAS-AL-0375-0389	0.375	0.389	7 #8, 16M	26	38	0.114	11	24	Red
HAS-AL-0390-0404	DHAS-AL-0390-0404	0.390	0.404	3 #5	26	38	0.144	10	24	Blue
HAS-AL-0405-0418	DHAS-AL-0405-0418	0.405	0.418	18M	26	38	0.144	10	24	Orange
HAS-AL-0419-0434	DHAS-AL-0419-0434	0.419	0.434	7 #7	26	38	0.144	10	24	Brown
HAS-AL-0435-0450	DHAS-AL-0435-0450	0.435	0.450	20M	26	38	0.144	10	24	Purple
HAS-AL-0451-0470	DHAS-AL-0451-0470	0.451	0.470	-	26	38	0.144	11	24	Green
HAS-AL-0471-0481	DHAS-AL-0471-0481	0.471	0.481	-	26	38	0.144	11	24	Black
HAS-AL-0482-0500	DHAS-AL-0482-0500	0.482	0.500	7 #6	26	38	0.144	11	24	Blue

### Application:

Berry Power Systems helixon suspension clamps are intended for use on aluminum based conductors, alumoweld wire, and galvanized steel strands. They are designed to reduce mechanical stresses at the support point due to static loading as well as dynamic loading caused by aeolian vibration.



Single Suspension Clamp  
Figure 1



Double Suspension Clamp  
Figure 2