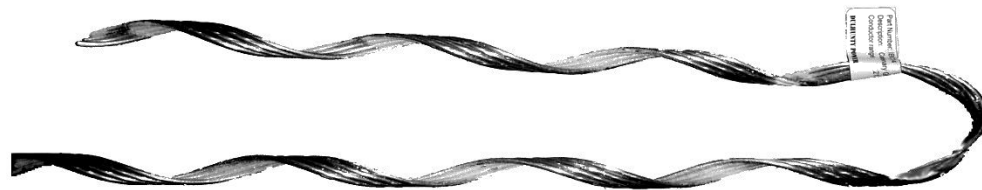
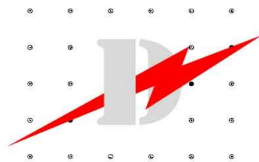


# ***HELIXON***

**BY DULHUNTY POWER**





# HELIXON

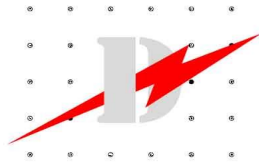
## INDEX

**DULHUNTY POWER**

### HELIXON FITTINGS

### SECTION A

<b>Aluminium Deadends</b>	Type DE-A .....	Page A-2
<b>Galvanized Steel Deadends</b>	Type DE-S.....	Page A-3
<b>Aluminium Armour Rods</b>	Type AR-A.....	Page A-4
<b>Galvanized Steel Armour Rods</b>	Type AR-S.....	Page A-5
<b>Aluminium Line Guards</b>	Type LG-A.....	Page A-6
<b>Aluminium Line Splices</b>	Type LS-A.....	Page A-7
<b>Galvanized Steel Line Splices</b>	Type LS-S.....	Page A-8
<b>Full Tension Line Splices</b>	Type LS-FT.....	Page A-9
<b>Top Ties</b>	Type DT-AC.....	Page A-10
<b>Side Ties</b>	Type ST-A.....	Page A-11
<b>Galvanized Steel Guy Locks</b>	Type GL-S.....	Page A-12
<b>Guy Guards</b>	Type GG-P.....	Page A-13
<b>Spiral Vibration Dampers</b>	Type HVD.....	Page A-14
<b>Bird Diverters</b>	Type BFD .....	Page A-15



**HELIXON**

**SECTION A**

**ALUMINIUM DEADENDS**

**DULHUNTY POWER**

**Type DE-A Aluminium Deadends**

**Material**

Aluminium Deadends are manufactured using high strength, corrosion resistant aluminium alloy wire. Aluminium deadends may be used in all environments.

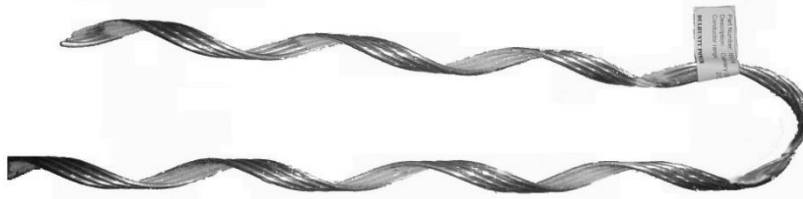
**Rated Holding Strength**

Aluminium Deadends are designed to hold the full rated strength of Aluminium (AAC) or aluminium alloy (AAAC) conductors.

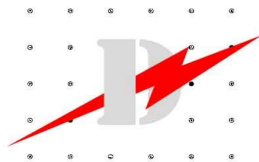
Please consult Dulhunty for holding strength on ACSR conductors.

**Tapping**

Current taps should not be attached over a deadend. Current taps should be made directly on the conductor on either side of the deadend.



Catalogue Number	Conductors		Outside Diameter	Pack Size	AS1154 Colour Code
	AAC AAAC	ACSR			
DE-A 05.25	7/1.75	3/4/1.75	5.25	50	Purple
DE-A 06.75	7/2.25	–	6.75	50	Brown
DE-A 07.50	7/2.50	6/1/2.50 3/4/2.50	7.50	50	Blue
DE-A 09.00	7/3.00	6/1/3.00 4/3/3.00	9.00	50	Red
DE-A 11.25	7/3.75	6/1/3.75 4/3/3.75	11.25	25	Black
DE-A 13.50	7/4.50	–	13.50	20	Green
DE-A 14.30	7/4.75	6/1/4.75+ 7/1.60	14.30	20	Blue
DE-A 16.25	19/3.25	–	16.25	15	Orange
DE-A 17.50	–	30/7/2.50	17.50	10	Blue
DE-A 18.75	19/3.75	–	18.75	10	Black
DE-A 21.00	37/3.00	30/7/3.00	21.00	10	Red
DE-A 23.75	19/4.75	–	23.75	10	Blue



# HELIXON

# SECTION A

## GALVANIZED STEEL DEADENDS

### DULHUNTY POWER

#### Type DE-S Steel Deadends

##### Material

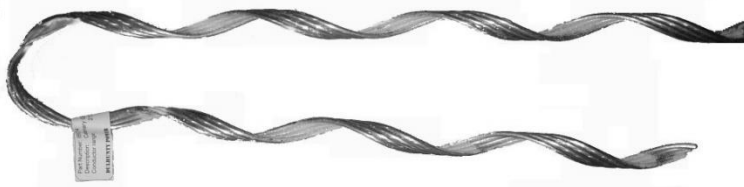
Steel Deadends are manufactured using high strength galvanized steel wire. Steel deadends may be used in all environments for which SC/GZ galvanized steel conductor or guy wire may be used.

##### Rated Holding Strength

Steel Deadends are designed to hold the rated strength of SC/GZ galvanized steel conductors and guy wires.

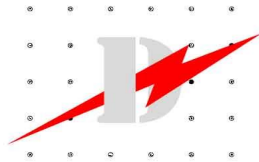
##### Tapping

Current taps should not be attached over a deadend. Current taps should be made directly on the conductor on either side of the deadend.



Catalogue Number	Conductors SC/GZ	Outside Diameter	Pack Size	AS1154 Colour Code
DE-S 04.31	3/2.00	4.31	50	Yellow
DE-S 04.80	7/1.60	4.80	50	Black
DE-S 05.93	3/2.75	5.93	50	White
DE-S 06.00	7/2.00	6.00	50	Yellow
DE-S 08.25	7/2.75	8.25	20	White
DE-S 09.75D	7/3.25	9.75	15	Orange
	19/2.00	10.00	15	Yellow
DE-S 11.25	7/3.75	11.25	20	Black
DE-S 12.00	7/4.00	12.00	15	Black
DE-S 13.75	19/2.75	13.75	10	White
DE-S 16.25	19/3.25	16.25	5	Orange

DE-S 0825, DE-S 0975 and DE-S 1375 are suitable for use with either a standard thimble, or with GY3 and GY4 insulators.



# HELIXON

# SECTION A

## ALUMINIUM ARMOUR RODS

### DULHUNTY POWER

#### Type AR-A Aluminium Armour Rods

##### Material

Aluminium Armour rods are manufactured using high strength corrosion resistant aluminium alloy wire. Aluminium armour rods may be used in all environments.

##### Application

Armour rods are designed to help prevent damage to conductors caused by bending, by high clamping stresses, by abrasion at support points and damage caused by arcing. Armour rods are not vibration dampers but help to prevent vibration damage to conductors by increasing the stiffness of the conductor at the support point and by preventing abrasion to the strands of the conductor.

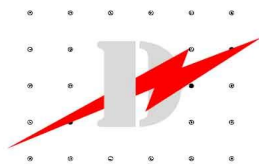
Armour rods can also be used to repair minor damage to the outer strands of the conductor. Please consult Dulhunty for specific information on damage repair.

##### Tapping

Taps may be applied over armour rods, but scratch brushing and greasing of the conductor is recommended if taps are to be applied.



Catalogue Number	Conductors		Outside Diameter	Pack Size	AS1154 Colour Code
	AAC AAAC	ACSR			
AR-A 05.25	7/1.75	3/4/1.75	5.25	50	Purple
AR-A 06.75	7/2.25	–	6.75	50	Brown
AR-A 07.50	7/2.50	6/1/2.50	7.50	50	Blue
AR-A 07.50	–	3/4/2.50	7.50	50	Blue
AR-A 09.00	7/3.00	6/1/3.00	9.00	40	Red
AR-A 09.00	–	4/3/3.00	9.00	40	Red
AR-A 11.25	7/3.75	6/1/3.75	11.25	25	Black
AR-A 11.25	–	4/3/3.75	11.25	25	Black
AR-A 13.50	7/4.50	–	13.50	20	Green
AR-A 14.30	7/4.75	6/4.75+7/1.60	14.30	20	Blue
AR-A 16.25	19/3.25	–	16.25	15	Orange
AR-A 17.50	–	30/7/2.50	17.50	15	Blue
AR-A 18.75	19/3.75	–	18.75	10	Red
AR-A 21.00	37/3.00	30/7/3.00	21.00	5	Red
AR-A 23.75D	19/4.75	–	23.75	5	Blue



# HELIXON

# SECTION A

## GALVANIZED STEEL ARMOUR RODS

### DULHUNTY POWER

#### Type AR-S Steel Armour Rods

##### Material

Steel Armour rods are manufactured using high strength galvanized steel wire. Steel armour rods may be used in all environments for which galvanized steel conductors or guy wires are used.

##### Application

Armour rods are designed to help prevent damage to conductors caused by bending, by high clamping stresses, by abrasion at support points and damage caused by arcing. Armour rods are not vibration dampers but help to prevent vibration damage to conductors by increasing the stiffness of the conductor at the support point and by preventing abrasion to the strands of the conductor.

Armour rods can also be used to repair minor damage to the outer strands of the conductor. Please consult Dulhunty for specific information on damage repair.

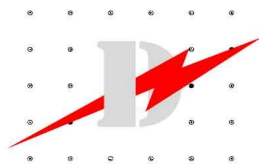
##### Tapping

Taps may be applied over armour rods, but scratch brushing and greasing of the conductor is recommended if taps are to be applied.

Catalogue Number	Conductors SC/GZ	Outside Diameter	Pack Size	AS1154 Colour Code
AR-S 04.31	3/2.00	4.31	50	Yellow
AR-S 04.80D	7/1.60	4.80	50	Black
	3/2.75	5.93	50	White
	7/2.00	6.00	50	Yellow
AR-S 08.25	7/2.75	8.25	30	White
AR-S 09.75D	7/3.25	9.75	20	Orange
	19/2.00	10.00	20	Yellow
AR-S 11.25	7/3.75	11.25	20	Black
AR-S 12.00	7/4.00	12.00	15	Black
AR-S 13.75	19/2.75	13.75	10	White
AR-S 16.25	19/3.25	16.25	5	Orange

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





# HELIXON

# SECTION D

## ALUMINIUM LINE GUARDS

### DULHUNTY POWER

#### Type LG-A Aluminium Line Guards

##### Material

Aluminium Line Guards are manufactured using high strength corrosion resistant aluminium alloy wire. Aluminium Line Guards may be used in all environments.

##### Application

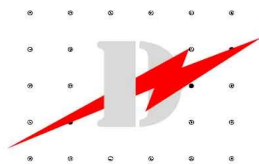
Line Guards are designed to help reduce damage to conductors caused, by abrasion at support points and damage caused by arcing. Armour rods should generally be used in areas where vibration is likely. Line Guards can also be used to repair minor damage to the outer strands of the conductor. Please consult Dulhanty for specific information on damage repair.

##### Tapping

Taps may be applied over Line Guards, but scratch brushing and greasing of the conductor is recommended if taps are to be applied.



Catalogue Number	Conductors		Outside Diameter	Pack Size	AS1154 Colour Code
	AAC AAAC	ACSR			
LG-A 05.25	7/1.75	3/4/1.75	5.25	50	Purple
LG-A 06.75	7/2.25	–	6.75	50	Brown
LG-A 07.50	7/2.50	6/1/2.50 3/4/2.50	7.50	50	Blue
LG-A 09.00	7/3.00	6/1/3.00 4/3/3.00	9.00	50	Red
LG-A 11.25	7/3.75	6/1/3.75 4/3/3.75	11.25	40	Black
LG-A 13.50	7/4.50	–	13.50	25	Green
LG-A 14.30	7/4.75	6/4.75+7/1.60	14.30	25	Blue
LG-A 16.25	19/3.25	–	16.25	25	Orange
LG-A 17.50	–	30/7/2.50	17.50	25	Blue
LG-A 18.75	19/3.75	–	18.75	25	Black
LG-A 21.00	37/3.00	30/7/3.00	21.00	25	Red
LG-A 23.75	19/4.75	–	23.75	20	Blue



## HELIXON

## SECTION A

### ALUMINIUM LINE SPLICES

## DULHUNTY POWER

### Type LS-A Aluminium Splices

#### Material

Aluminium Splices are manufactured using high strength corrosion resistant aluminium alloy wire. Aluminium Splices may be used in all environments.

#### Rated Holding Strength

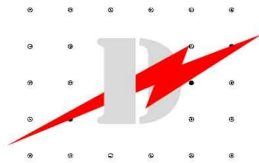
Aluminium Splices are designed to hold the full rated strength of Aluminium (AAC) or aluminium alloy (AAAC) conductors. Aluminium Splices are designed to carry the full load current of AAC and AAAC conductors. Scratch brushing and greasing of the conductor is recommended prior to the installation of Aluminium Splices

Please consult Dulhanty for mechanical holding strength of Aluminium Splices on ACSR Conductors.



Catalogue Number	Conductors AAC AAAC	Outside Diameter	Pack Size	AS1154 Colour Code
LS-A 05.25	7/1.75	5.25	50	Purple
LS-A 06.75	7/2.25	6.75	50	Brown
LS-A 07.50	7/2.50	7.50	50	Blue
LS-A 09.00	7/3.00	9.00	40	Red
LS-A 11.25	7/3.75	11.25	20	Black
LS-A 13.50	7/4.50	13.50	10	Green
LS-A 14.30	7/4.75	14.30	10	Blue
LS-A 16.25	19/3.25	16.25	10	Orange
LS-A 17.50	-	17.50	5	Blue
LS-A 18.50	19/3.75	18.75	5	Black
LS-A 21.00	37/3.00	21.00	5	Red
LS-A 23.75	19/4.75	23.75	5	Blue





# HELIXON

# SECTION A

## GALVANIZED STEEL LINE SPLICES

### DULHUNTY POWER

#### Type LS-S Steel Splices

##### Material

Steel Splices are manufactured using high strength galvanized steel wire. Steel Splices may be used in all environments for which galvanized steel conductor or guy wire may be used.

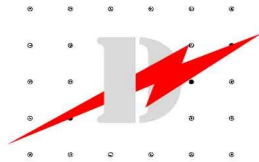
##### Rated Holding Strength

Steel Splices are designed to hold the full rated strength of galvanized steel conductors or guy wires. Steel Splices are designed to carry the full load current of galvanized steel conductors

Catalogue Number	Conductors SC/GZ	Outside Diameter	Pack Size	AS1154 Colour Code
LS-S 04.31	3/2.00	4.31	50	Yellow
LS-S 04.80	7/1.60	4.80	50	Black
LS-S 05.93	3/2.75	5.93	50	White
LS-S 06.00	7/2.00	6.00	40	Yellow
LS-S 08.25	7/2.75	8.25	20	White
LS-S 09.75D	7/3.25	9.75	20	Orange
	19/2.00	10.00	20	Yellow
LS-S 11.25	7/3.75	11.25	20	Black
LS-S 12.00	7/4.00	12.00	15	Black
LS-S 13.75	19/2.75	13.75	10	White
LS-S 16.25	19/3.25	16.25	5	Orange

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





# HELIXON

# SECTION A

## FULL TENSION LINE SPLICES

### DULHUNTY POWER

#### Type LS-FT Full Tension Splices

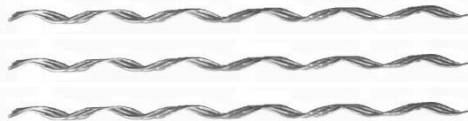
##### Material

Full Tension Splices are two piece fittings with aluminium rods manufactured using high strength corrosion resistant aluminium alloy wire, and steel rods manufactured using high strength corrosion resistant aluminium alloy wire.

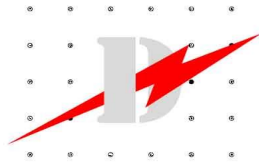
Full Tension Splices may be used in all environments for which ACSR conductors are used.

##### Rated Holding Strength

Full Tension Splices are designed to hold the full rated strength of ACSR conductors. Aluminium Splices are designed to carry the full load current of ACSR conductors



Catalogue Number	Conductors ACSR	Outside Diameter	Pack Size	AS1154 Colour Code
LS-FT 05.25M	3/4/1.75	5.25	50	Purple
LS-FT 07.50	6/1/2.50	7.50	40	Blue
LS-FT 07.50M	3/4/2.50	7.50	50	Blue
LS-FT 09.00	6/1/3.00	9.00	20	Red
LS-FT 09.00M	4/3/3.00	9.00	25	Red
LS-FT 11.25	6/1/3.75	11.25	10	Black
LS-FT 11.25M	4/3/3.75	11.25	25	Black
LS-FT 14.30	6/4.75+7/1.60	14.30	10	Blue
LS-FT 17.50	30/7/2.50	17.50	5	Blue
LS-FT 21.00	30/7/3.00	21.00	5	Red



# HELIXON

# SECTION A

## TOP TIES

### DULHUNTY POWER

#### Type DT-AC Top Ties

##### Material

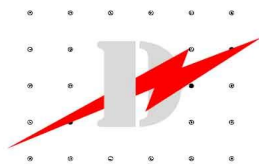
Top ties are used to securely attach Conductors to the top grooves of tie top insulators (pin or post type )

Top ties are superior to hand ties in vibration prone areas and may be used over armour rods to avoid vibration damage, but dampers should be used in severe vibration areas.



When ordering Top Ties add suffix -76 for 76 mm neck diameter or 112 for 112 mm neck diameter eg DT-AC 1125-76

Catalogue Number	Conductors		SC/GZ SC/AC	Outside Diameter	Pack Size	AS1154 Colour Code
	AAC AAAC	ACSR				
DT-AC 05.25	7/1.75	3/4/1.75		5.25	50	Purple
DT-AC 06.00			3/3.75 7/2.00		50	White
DT-AC 06.75	7/2.25	-		6.75	50	Brown
DT-AC 07.50	7/2.50	6/1/2.50 3/4/2.50		7.50	50	Blue
DT-AC 09.00	7/3.00	6/1/3.00 4/3/3.00	7/2.75	9.00	50	Red
DT-AC 11.25	7/3.75	6/1/3.75 4/3/3.75		11.25	50	Black
DT-AC 13.50	7/4.50 7/4.75	6/4.75+7/1.60		13.50	50	Green
DT-AC 16.25	19/3.25	-		16.25	50	Orange
DT-AC 17.50	-	30/7/2.50		17.50	50	Blue
DT-AC 18.75	19/3.75	-		18.75	50	Black
DT-AC 21.00	37/3.00	30/7/3.00		21.00	25	Red
DT-AC 23.75	19/4.75	-		23.75	25	Blue



# HELIXON

# SECTION A

## SIDE TIES

### DULHUNTY POWER

#### Type ST-A Side Ties

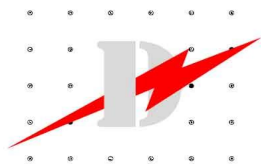
##### Material

Side ties are used to securely attach conductors to the side grooves of tie top insulators (pin or post type )  
Side ties are designed to assist the conductor to avoid vibration damage, but dampers should be used in severe vibration areas



When ordering Side ties add suffix -76 for 76 mm neck diameter or 112 for 112 mm neck diameter eg ST-A 0750-76

Catalogue Number	Conductors		Outside Diameter	Pack Size	AS1154 Colour Code
	AAC AAAC	ACSR			
ST-A 05.25	7/1.75	3/4/1.75	5.25	50	Purple
ST-A 06.75	7/2.25	-	6.75	50	Brown
ST-A 07.50	7/2.50	6/1/2.50 3/4/2.50	7.50	50	Blue
ST-A 09.00	7/3.00	6/1/3.00 4/3/3.00	9.00	50	Red
ST-A 11.25	7/3.75	6/1/3.75 4/3/3.75	11.25	50	Black
ST-A 13.50	7/4.50	-	13.50	50	Green
ST-A 14.30	7/4.75	6/4.75+7/1.60	14.30	50	Blue
ST-A 16.25	19/3.25	-	16.25	50	Orange
ST-A 17.50	-	30/7/2.50	17.50	50	Blue
ST-A 18.75	19/3.75	-	18.75	50	Black
ST-A 21.00	37/3.00	30/7/3.00	21.00	50	Red
ST-A 23.75	19/4.75	-	23.75	10	Blue



# HELIXON

# SECTION A

## GALVANIZED STEEL GUY LOCKS

### DULHUNTY POWER

#### Type GL-S Steel Guy Locks

##### Material

Steel guy locks are manufactured using high strength Galvanized steel wire. Steel guy locks may be used in all environments for which galvanized steel conductor or guy wire may be used.

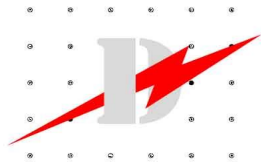
##### Rated Holding Strength

Steel guy locks are designed to hold the full rated strength of galvanized steel guy wires.



Catalogue Number	Conductors SC/GZ	Outside Diameter	Pack Size	AS1154 Colour Code
GL-S 04.31	3/2.00	4.31	50	Yellow
GL-S 04.80	7/1.60	4.80	50	Black
GL-S 05.93	3/2.75	5.93	50	White
GL-S 06.00	7/2.00	6.00	40	Yellow
GL-S 08.25	7/2.75	8.25	20	White
GL-S 09.75D	7/3.25	9.75	20	Orange
	19/2.00	10.00	20	Yellow
GL-S 11.25	7/3.75	11.25	20	Black
GL-S 12.00	7/4.00	12.00	15	Black
GL-S 13.75	19/2.75	13.75	10	White
GL-S 16.25	19/3.25	16.25	5	Orange

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



## HELIXON

## SECTION A

### GUY GUARDS

## DULHUNTY POWER

**Application:**

The Dulhanty Power Guy Guard improves visibility of pole stays to help avoid accidental contact with the guy wire.

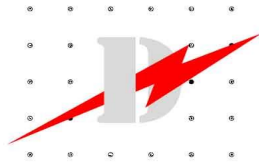
**Material:**

White, UV resistant PVC.

Catalogue Number	Internal Dia. mm	Std Length	Pack Size
GG-P 2520	25 tube	2.0m	50
GG-P 2520S	25 split tube	2.0m	50
GG-P 3020	30 tube	2.0m	50
GG-P 3020S	30 split tube	2.0m	50
GG-P 3025	30 tube	2.5m	50
GG-P 3524	35 tube	2.4m	50

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





## HELIXON

## SECTION A

### SPIRAL VIBRATION DAMPERS

#### DULHUNTY POWER

##### Type HVD Vibration Dampers

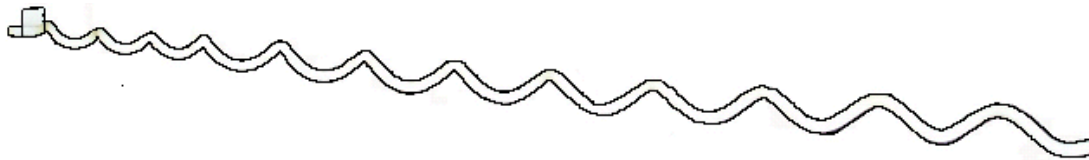
Helixon Vibration dampers are designed to control vibration on small diameter conductors.

Helixon Vibration dampers do not dissipate energy, but control vibration to disrupt vibration build up, by impacting on the conductor.

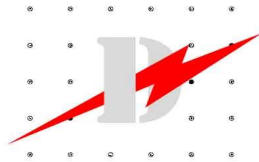
##### Material

Helixon Vibration dampers are manufactured using a high impact strength, UV resistant plastic. They are suitable for use in all environments, and may be used for conductor temperatures up to 75C° .

Catalogue Number	Conductors Dia. Range	Std Pack	Colour Code
HVD-044	4.4 - 6.3	25	Red
HVD-063	6.4 - 8.2	25	Blue
HVD-083	8.3 - 11.7	25	Black
HVD-117	11.8 - 14.4	25	Yellow
HVD-143	14.5 - 19.5	8	Green



Spiral Vibration Damper recommendation



# HELIXON

# SECTION A

## BIRD DIVERTERS

### DULHUNTY POWER

**Application:**

The bird diverters manufactured by Dulhunty Power are designed to make power lines more visible for birds and to reduce the number of injuries to birds caused by striking power lines.

Dulhunty Power bird diverters are orange, as this has been proven to be the most visible colour to the birds.

**Materials:**

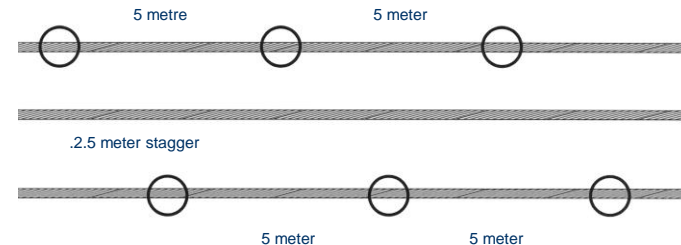
High impact strength UV resistant PVC rod.

**Installation:**

Dulhunty Power recommends that the bird diverters should be installed on the outer conductors as shown in the diagram.

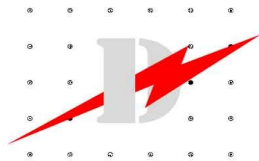


Catalogue Number	Conductor Dia. Range	Std Pack	Colour Code
BFD-044	4.4 - 6.3	50	Red
BFD-063	6.4 - 8.2	50	Blue
BFD-083	8.3 - 11.7	50	Black
BFD-117	11.8 - 14.4	50	Yellow
BFD-143	14.5 - 19.5	50	Green



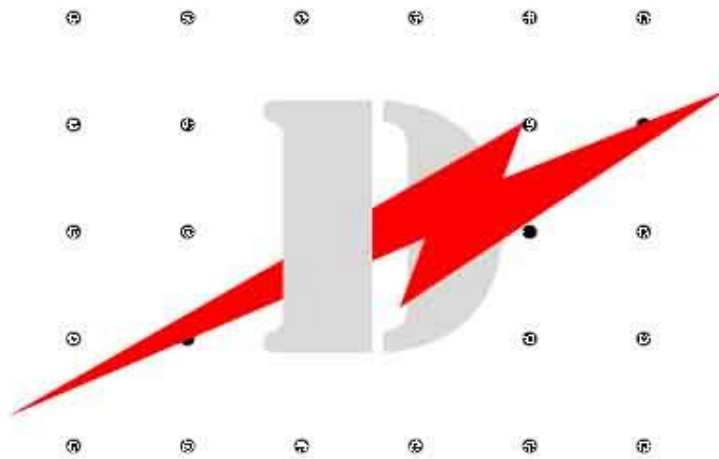
Typical spacing layout





## DULHUNTY POWER

Dulhunty Power (Aust) Pty Ltd  
Unit 2/35 Waterloo Road, North Ryde  
Sydney NSW 2113, Australia  
Telephone: + 61 2 9870 7277  
Facsimile: + 61 2 9870 7299  
Email: sales@dulhunty.com  
Web: www.dulhuntypower.com



Dulhunty Power (China) Ltd  
3303#, Zhuan Qiao, Jiangdu  
Jiangsu, 225233 P.R.C.  
Telephone: + 86 514 6842 462  
Facsimile: + 86 514 6842 463  
Email: sales@dulhuntychina.com  
Web: www.dulhuntypower.com

Dulhunty Power North America  
14262 Fred and Al Key Rd.  
Kiln, Ms. 39556  
United States of America  
Telephone +1 (228) 467-8075  
Email: brandi@dulhunty.com

Dulhunty Power (N.Z.) Ltd  
PO Box 281  
Whangaparaoa  
Auckland New Zealand  
Telephone + 64 9 424 7295  
Facsimile: + 64 9 428 0577  
Email: brian@dulhunty.com  
Web: www.dulhuntypower.com

Dulhunty Power (Malaysia) Sdn. Bhd.  
Lot 8040, Jalan 2/D Kg. Baru Subang  
40150 Shah Alam  
Selangor Darul Ehsan, Malaysia  
Telephone + 603 7843 0488  
Facsimile: + 603 7843 0433  
Email: enquiry@dulhunty.com.my  
Web: www.dulhuntypower.com

Dulhunty Power (Thailand) Ltd  
3/2 Moo 7, Suwintawong Road  
Klongluangphang, AmphurMuang  
Chachoengsao 24000, Thailand  
Telephone + 66 3884 5675  
Facsimile: + 66 3884 5674  
Email: pana@dulhunty.com  
Web: www.dulhuntypower.com