

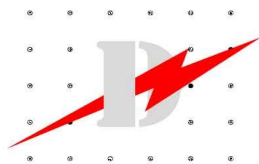
PROTECTIVE FITTINGS

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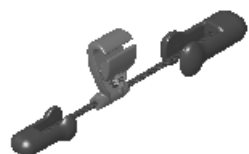


PROTECTIVE FITTINGS

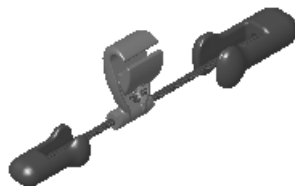
SECTION B

VIBRATION DAMPERS

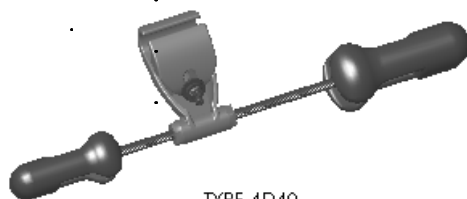
DULHUNTY POWER



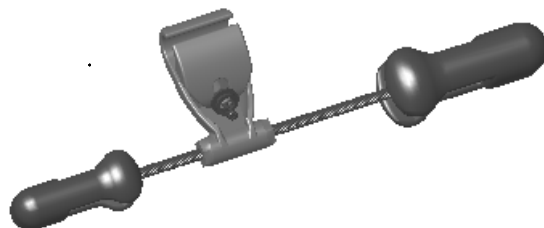
TYPE 4D20



TYPE 4D30



TYPE 4D40



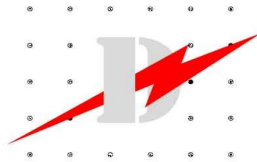
TYPE 4D50

The Dulhanty Power 4D range of vibration dampers has been designed to provide the best possible protection from aeolian vibration for conductors and earth wires (ground or shield wires) used for electric power transmission and distribution.

The Dulhanty Power 4D dampers are designed to dissipate the maximum amount of vibration energy to prevent fatigue damage to the strands of the conductors.

The Dulhanty Power 4D damper has an asymmetric design that features 4 resonant frequencies, allowing the dampers to be effective across a much wider frequency range than standard Stockbridge dampers.

Dulhanty Power 4D dampers are suitable for use on all conductor and earth wire constructions including ACSR, AAC, AAAC, AAAC 1120 and Galvanized and Aluminium Clad Steel (SC/GZ and SC/AC) construction, and sizes are available to cover the range of sizes from 7.5mm to 45mm.



PROTECTIVE FITTINGS

SECTION B

VIBRATION DAMPERS

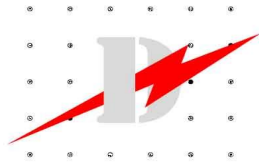
DULHUNTY POWER

Damper Type	Length mm	Mass kg	Clamp Dimension Nominal	Conductor Range	Bolt Tightening Torque nM	Bolt Head A/F mm
4D20	326	1.4	7.5	6.0 - 7.5	28	Galvanized Bolt 16 Stainless Steel 17
			9.5	7.5 - 9.5		
			11.5	9.5 - 11.5		
			14.0	11.5 - 14.0		
			16.0	14.0 - 16.0		
4D20 for OPGW	326	1.5	18.0	16.0 - 18.0	50	Galvanized Bolt 18 Stainless Steel 19
			20.3	18.0 - 20.3		
			23.4	20.3 - 23.4		
			27.0	23.4 - 27.0		
4D30 for Conductor and OPGW	386	2.5	31.1	27.0 - 31.1	60	Galvanized Bolt 18 Stainless Steel 19
			20.3	18.0 - 20.3		
			23.4	20.3 - 23.4		
			27.0	23.4 - 27.0		
4D40	521	4.5	31.1	27.0 - 31.1	60	Galvanized Bolt 18 Stainless Steel 19
			27.6	25.6 - 27.6		
			30.5	27.6 - 30.5		
4D50	583	5.5	34.0	30.5 - 34.0	60	Galvanized Bolt 18 Stainless Steel 19
			36.0	34.0 - 36.0		
			38.4	36.0 - 38.4		
			39.3	38.4 - 39.3		
			43.0	39.3 - 43.0		



[Vibration Damper Questionnaire](#)
[Vibration damper software](#)
[Vibration Damper presentation](#)

Please consult Dulhunty Power for recommendations for the use of Dulhunty Power 4D dampers



PROTECTIVE FITTINGS

SECTION B

SPACER DAMPERS

DULHUNTY POWER

The Dulhunty Power range of Spacer Dampers has been designed to provide the best possible control for both Aeolian Vibration and Subconductor Oscillation for bundled conductors used in High Voltage transmission lines. The Dulhunty Power Spacer Dampers have been also been designed to meet the mechanical and electrical requirements for the high voltage lines, and the shape of the clamps has been designed to be corona free even at the highest voltages.

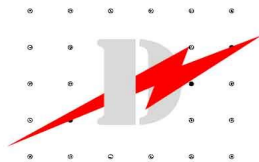
The Dulhunty Power Spacer Damper designs feature a high efficiency elastomeric hinge that has been designed to provide the maximum energy dissipation while still providing excellent resistance to fatigue. Dulhunty Power spacer dampers can be provided with a variety of clamping options including a conventional bolted clamp, with galvanized steel, stainless steel or shear head bolts. We can also provide the spacer dampers with elastomer lined clamps, and quick action clamps for rapid installation.

Dulhunty Power Spacer Dampers are available for twin, triple, quad and 6 conductor bundle arrangements and are suitable for use on all conductor constructions including ACSR, AAC, AAAC, AAAC 1120 and high temperature versions of the Dulhunty Power spacer dampers are available for use on high temperature conductors.

As the placement of the spacer dampers along the span is important for the overall effectiveness of the control of motion of the conductors, Dulhunty Power will provide a location chart for each project.

Spacer Presentation

Please consult Dulhunty Power for recommendations for the use of Dulhunty Power Arrow spacer dampers.



PROTECTIVE FITTINGS

SECTION B

TWIN SPACER - DAMPERS

DULHUNTY POWER

Catalogue Number	Conductor Diameter Range. mm	Dimensions, mm	Approx. Weight kg
		L	
2SD-400	18~40.4	400	2.6
2SD-450	18~40.4	450	2.7
2SD-457	18~40.4	457	2.7
2SD-500	18~40.4	500	2.8
2SD-600	18~40.4	600	3.0

Twin Spacer - Dampers are used to control aeolian vibration and conductor oscillation, maintain conductor spacing and restore conductor spacing after a short circuit occurs.

Dulhanty spacer dampers always face up

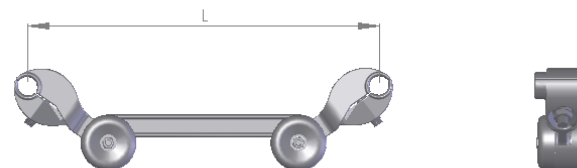
Material:

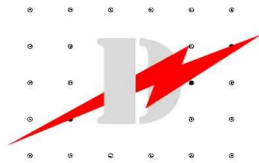
Frame, arm and keeper - Aluminium alloy

Nut and bolt - galvanized steel

Damping Element- EPDM rubber

These fittings can be supplied to ANSI, IEC and AS Standards as requested.





PROTECTIVE FITTINGS

SECTION B

TRIPLE SPACER - DAMPERS

DULHUNTY POWER

Catalogue Number	Conductor Diameter Range. mm	Dimensions, mm	Approx. Weight kg
		L	
3SD-400	18~40.4	400	5.6
3SD-450	18~40.4	450	5.7
3SD-457	18~40.4	457	5.8
3SD-500	18~40.4	500	6.0

Triple Spacer - Dampers are used to control aeolian vibration and conductor oscillation, maintain conductor spacing and restore conductor spacing after a short circuit occurs.

Dulhanty spacer dampers always face up

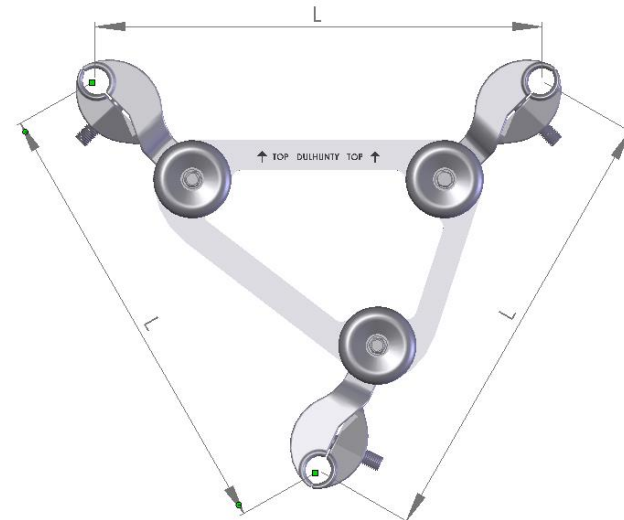
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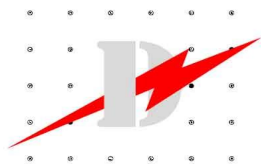
Frame, arm and keeper - Aluminium alloy

Nut and bolt - galvanized steel

Damping Element - EPDM rubber

These fittings can be supplied to ANSI, IEC and AS Standards as requested.





PROTECTIVE FITTINGS

SECTION B

QUAD SPACER - DAMPERS

DULHUNTY POWER

Catalogue Number	Conductor Diameter Range. mm	Dimensions, mm	Approx. Weight kg
		L	
4SD-400	18~40.4	400	7.3
4SD-450	18~40.4	450	7.5
4SD-457	18~40.4	457	7.5
4SD-500	18~40.4	500	7.7

Quad Spacer - Dampers are used to control aeolian vibration and conductor oscillation, maintain conductor spacing and restore conductor spacing after a short circuit occurs.

Dulhunty spacer dampers always face up

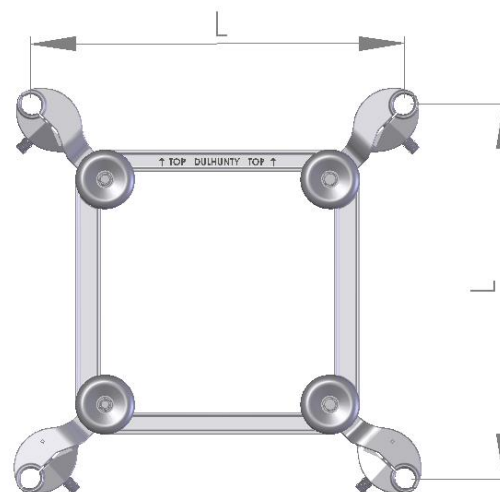
Material:

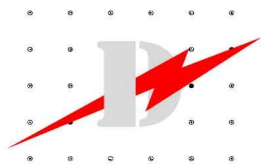
Frame, arm and keeper - Aluminium alloy

Nut and bolt - Galvanized steel

Damping Element - EPDM rubber

These fittings can be supplied to ANSI, IEC and AS Standards as requested.





PROTECTIVE FITTINGS

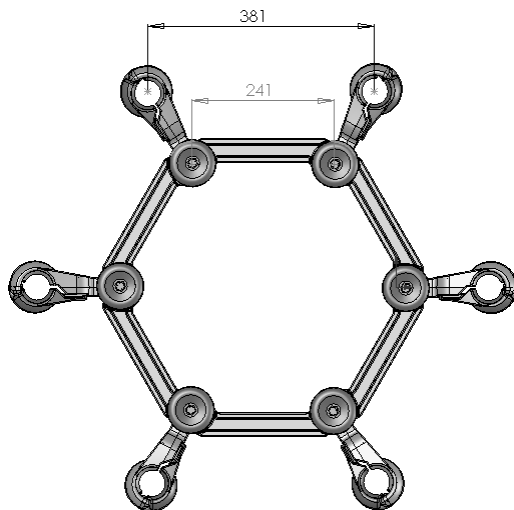
SECTION B

SIX BUNDLE SPACER - DAMPERS

DULHUNTY POWER

Spacer
Presentation

Catalogue Number	Approx. Weight kg
6SD:F1:762	11



Six bundle spacer - Dampers are used to control aeolian vibration and conductor oscillation. Maintain conductor spacing and restore conductor spacing after a short circuit occurs.

Dulhanty spacer dampers always face up

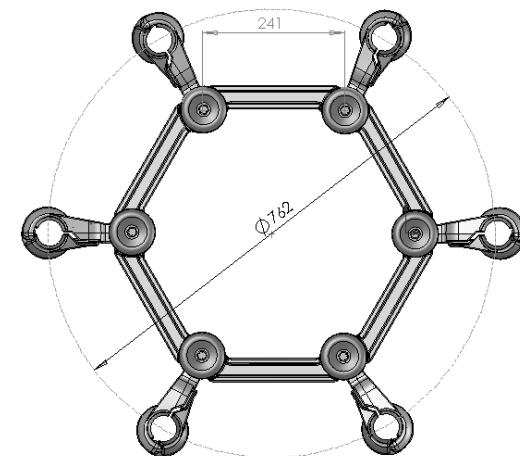
Material:

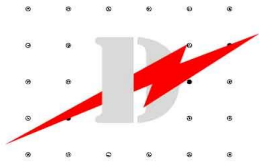
Frame, arm and keeper - Aluminium alloy

Nut and bolt - Galvanized steel

Damping Element - EPDM rubber

These fittings can be supplied to ANSI, IEC and AS Standards as requested.



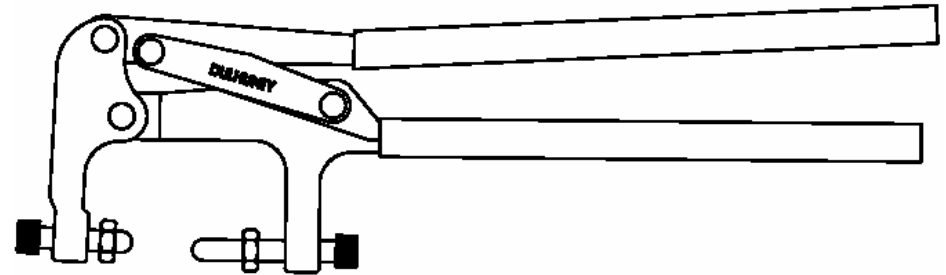


PROTECTIVE FITTINGS

SECTION B

SPACER CLOSING TOOL

DULHUNTY POWER

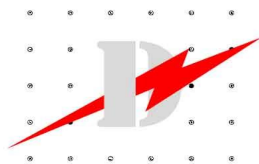


Catalogue Number	Approx. Weight kg
SD6TOOL	1.5

The quick and easy spacer closing tools are used with the "QUICKLOCK" arms on the spacer dampers.

Material:
Body – Ductile iron





PROTECTIVE FITTINGS

SECTION B

TWIN SPACERS

DULHUNTY POWER

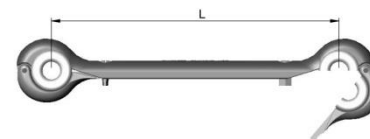
Catalogue Number	Conductor Diameter Range. mm	Dimensions, mm	Approx. Weight kg
		L	
S2-300	14~35	300	1.0
S2-330	14~35	330	1.1
S2-380	14~35	380	1.1
S2-420	14~35	420	1.2
S2-460	14~35	460	1.2
S2-500	14~35	500	1.3
S2-520	14~35	520	1.4

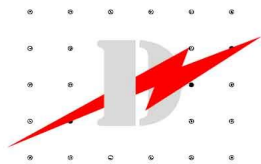
Twin - Spacers are used to maintain conductor spacing and to restore conductor spacing after a short circuit occurs.

Material:

Body - Aluminium alloy
 Conductor bush - EPDM

These fittings can be supplied to ANSI, IEC and AS Standards as requested





PROTECTIVE FITTINGS

SECTION B

CAST BAR SPACERS

DULHUNTY POWER

Catalogue Number	Conductor Diameter Range mm	Spacer Length mm	Approx. Weight kg
CBS-200	14-35	200	0.4
CBS-380	14-35	380	0.6
CBS-400	14-35	400	0.6
CBS-520	14-35	520	0.8

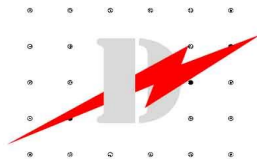
Material:

Body – Aluminium

Hardware - Galvanized steel

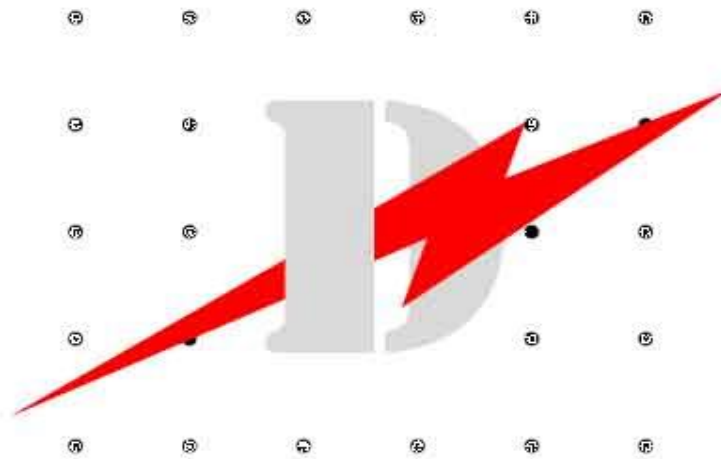
Twin - Spacers are used to maintain conductor spacing and to restore conductor spacing after a short circuit occurs





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