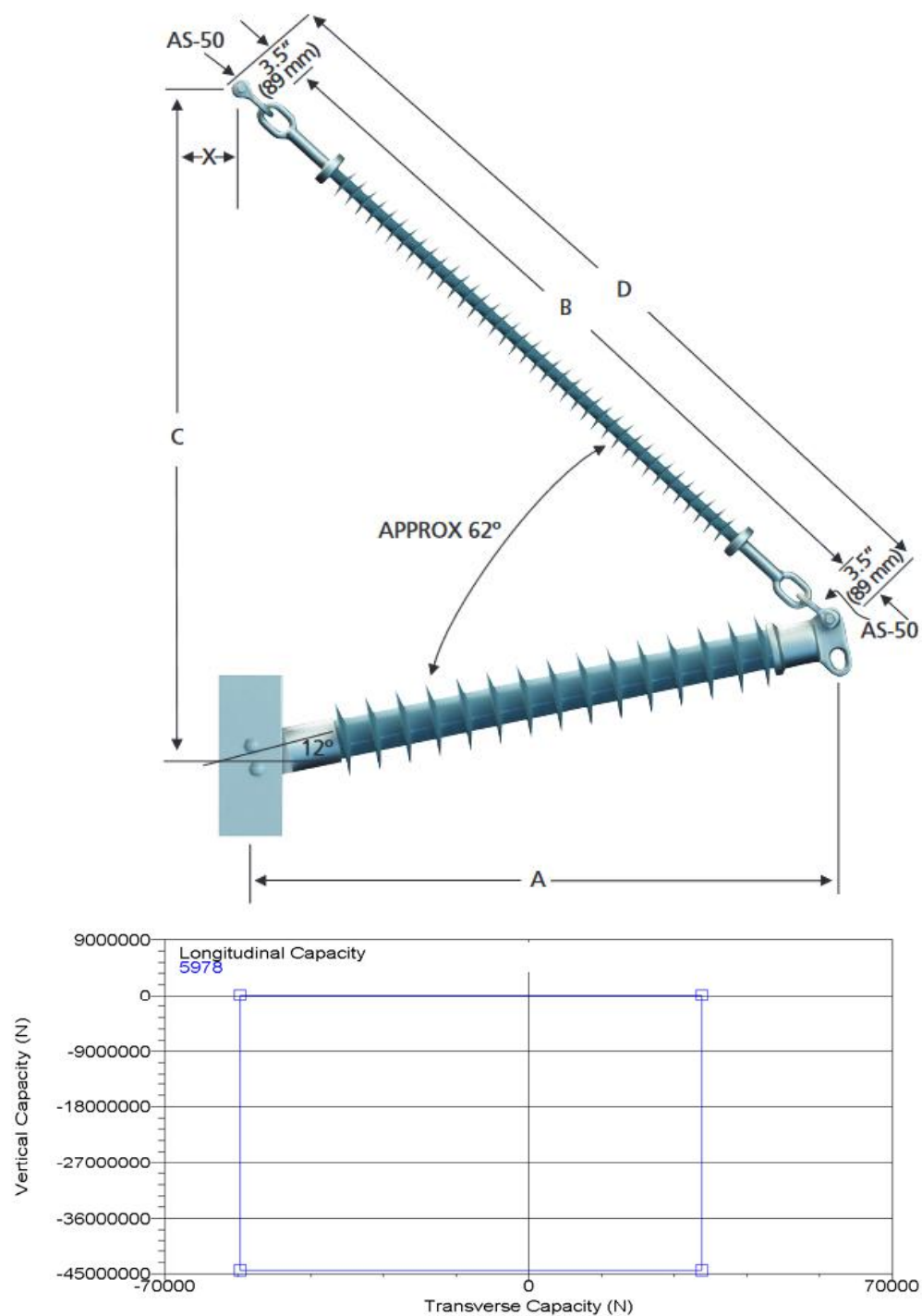
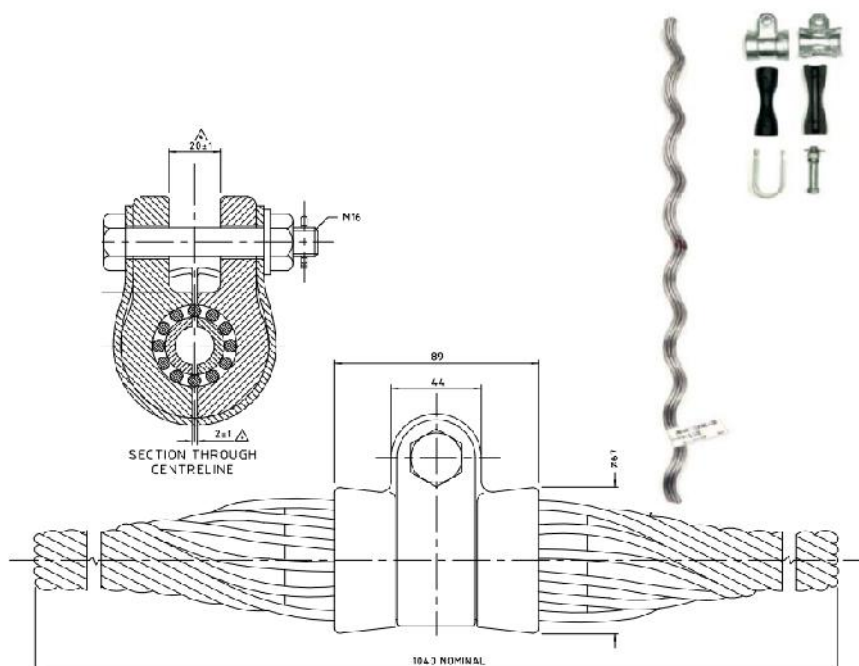
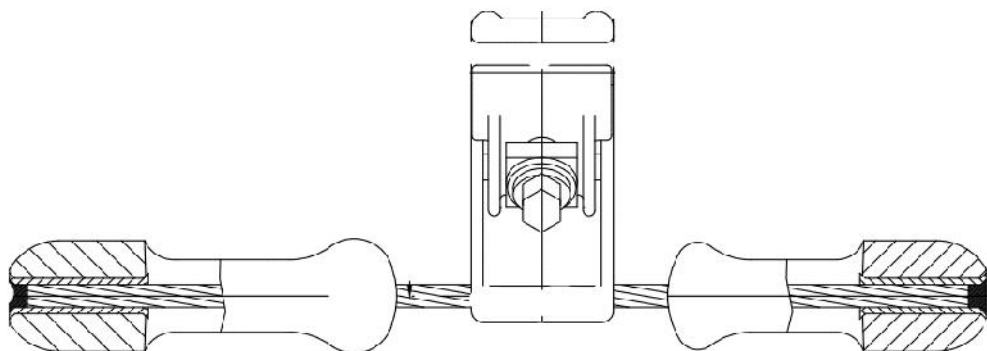


69kV5LP01

Post property: 115-138kV Braced LP Insulator Assembly



Armour Grip Suspension Unit suitable for Guinea/AW conductor**Stockbridge Vibration Damper suitable for Guinea/AW conductor**

Note:

1. Galvanized to ASTM A153;

2. Conductor size: ACSR Guinea/AW

Insulator	Requirement	Offer
Dimensions		
Dimension A (mm)	>1400	
Dimension B (mm)	>1875	
Dimension C (mm)	>1880	
Dimension D (mm)	>2000	
Dimension X (mm)	>50	
Properties		
Manufacturer / Type		
Catalog Number		
Material Type	hydrophobic silicone polymer	
End fitting Line side	Armour Grip Suspension	
End fitting Pole side	2-hole integral gain base 12°	
Weight (kg)	35 (approximately)	
Nominal Polymer Length (mm)	660mm (26")	
Mechanical Ratings		
Vertical capacity (kN)	>49	
Tension Capacity (kN)	>33	
Compression Capacity (kN)	>33	
Longitudinal Capacity (kN)	>7	
Electrical Properties		
Section Length (mm)	>1000	
Strike Distance (mm)	>740	
Leakage distance (mm)	>2235	
Creepage (mm/kV)	>31.5	
Arc Distance - Dry (mm)	>1125	
Creep and Leakage Distance (mm)	>2870	
Critical Impulse Flashover (CIFO) - Negative (kV)	>780	
Critical Impulse Flashover (CIFO) - Positive (kV)	>670	
Flashover Voltage - 50 Hz Dry (kV)	>430	
Flashover Voltage - 50 Hz Wet (kV)	>390	
Voltage Rating (V)	115/138	
Withstand Voltage - 50 Hz Dry (kV)	>430	
Withstand Voltage - 50 Hz Wet (kV)	>290	
Withstand Voltage - Lightning Impulse (Negative) (kV)	>700	
Withstand Voltage - Lightning Impulse (Positive) (kV)	>600	

Armour Grip Suspension Unit	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for ACSR Guinea / AW	
Conductor End Fitting	Clevis	
Maximum slippage	15% of UTS	

Vibration Dampers	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for ACSR Guinea / AW	
Galvanised	ASTM A153 / ISO 1401	
Aeolian vibration study to determine vibration damper spacing and quantity	Required	

69KV5LP02

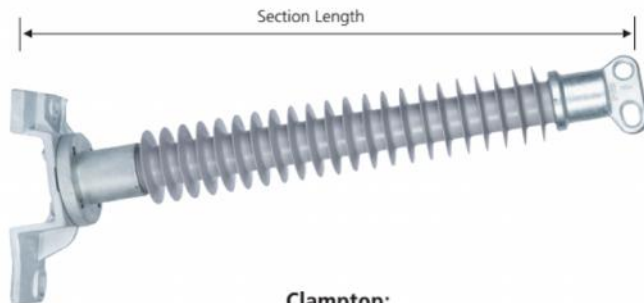
33KV5LP02

Post property: 72kV Jumper Post insulator

Post property: 72kV Jumper Post insulator

Horizontal Line Post Insulators with Rigid Base

2.5" (63.5 mm) Rod Diameter

**Clamptop:**

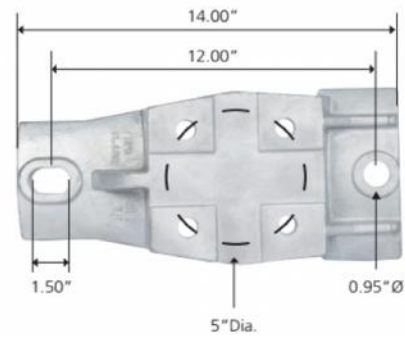
Maximum Design Tension = 2,500 lbs. (11.1 kN)

Two-Hole Blade:

Maximum Design Tension = 7,500 lbs. (33.4 kN)

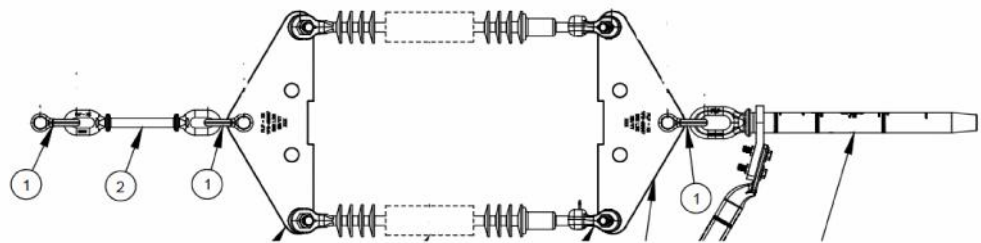


Horizontal Clamptop End
Fitting
Increases the section length
dimensions by 0.75"



Insulator	Requirement	Offer
Dimensions		
Section Length (mm)	>1000	
Properties		
Manufacturer		
Catalog No		
Material Type	hydrophobic silicone polymer	
End fitting Line side	Trunion clamp	
End fitting Pole side	2-hole integral gain base 12°	
Approximate Weight (kg)	25	
Nominal PolymerLength (mm)	660mm (26")	
Mechanical ratings		
SCL Specified Cantilever Capacity (kN)	>22	
Electrical Properties		
Section Length (mm)	>1000	
Strike Distance (mm)	>700	
Leakage distance (mm)	>1750	
Creepage (mm/kV)	>31.5	
50-Hz Dry Flashover (kV)	>280	
50-Hz Wet Flashover (kV)	>255	
50Hz 1 min wet withstand Voltage (kV)	>400	
Critical Impulse Positive (kV)	>425	
Critical Impulse Negative (kV)	>540	

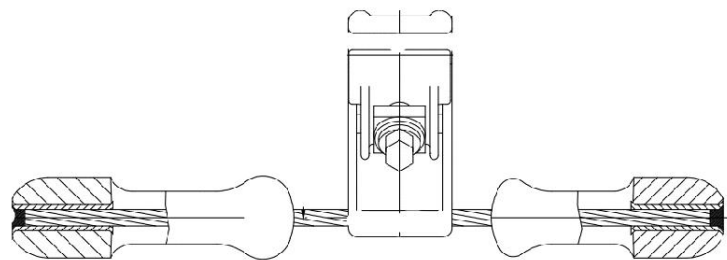
69KV6TA01	Strain property: 72kV Twin Tens Ins assy (110kN)
33KV6TA01	Strain property: 72kV Twin Tens Ins assy (110kN)



Item	Description	QTY	Material
1	Anchor Shackle	3	Galv. Steel
2	Eye-Eye Link ("L") or Sag aduster. Note: Each tension section shall have an eye link at one end, and a sag adjuster at the other end.	1	Galv. Steel
3	Yoke Plate, Triangle, 50K (APEX Hole)	2	Galv. Steel
4	Insulator String	2	—
5	Socket Y-Clevis	2	Ductile Iron
6	Compression Dead-end Jumper Assembly	1	Galv. Steel and Al.



Stockbridge Vibration Damper suitable for Guinea/AW conductor



Note:
1.Galvanized to ASTM A153;
2.Conductor size: ACSR Guinea/AW

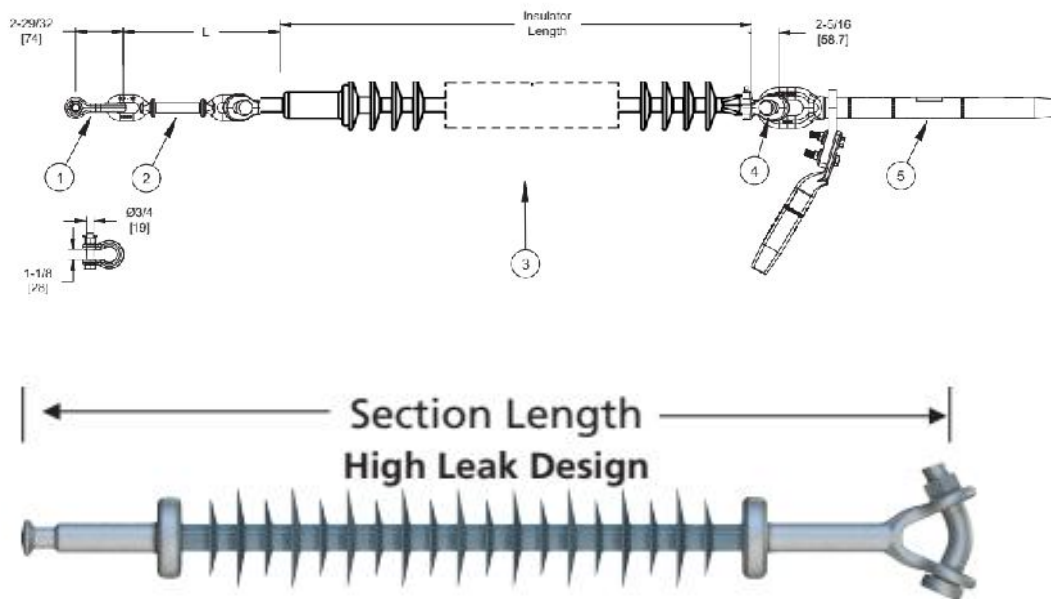
④	Insulators	Requirement	Offer
	Properties		
	Manufacturer Type		
	Catalog number		
	Material Type	hydrophobic silicone polymer	
	Tension Capacity (kN)	>220kN (two x 110kN in parallel)	
	End fitting Line side	ball	
	End fitting Pole side	clevis	
	Weight (approximate)	20kg	
	Nominal Polymer Length (mm)	30" or 762mm	
	Section Length (mm)	>1060	
	Strike Distance (mm)	>770	
	Leakage distance (mm)	>1960	
	Creepage (mm/kV)	>31.5	
	50-Hz Dry Flashover (kV)	>315	
	50-Hz Wet Flashover (kV)	>305	
	50Hz 1 min wet withstand Voltage (kV)	>210	
	Critical Impulse Positive (kV)	>525	
	Critical Impulse Negative (kV)	>510	
	Impulse Positive (kV)	>445	
	Impulse Negative (kV)	>430	

	Hardware accessories	Qty	Offer
	Manufacturer		
	Catalog Number		
①	Anchor Shackle	3	
②	Eye-Eye Link or Sag Adjuster	1	
③	Yoke Plate	2	
⑤	Socket Y-Clevis	2	
⑥	Compression Dead-end Jumper Assembly To match ACSR Guinea / AW Conductor, To be supplied with sag adjusters and vibration dampers as required	1	

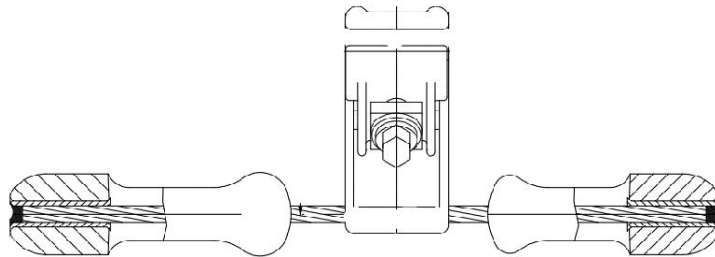
	Vibration Dampers	Requirement	Offer
	Manufacturer / Type		
	Catalog Number		
	Conductor Range	Suitable for ACSR Guinea / AW	
	Galvanised	ASTM A153 / ISO 1401	
	Aeolian vibration study to determine vibration damper spacing and quantity	Required	

69KV6TA04

Strain property: 72kV Tens Ins assy (110kN)



Stockbridge Vibration Damper suitable for Guinea/AW conductor



Note:
1. Galvanized to ASTM A153;
2. Conductor size: ACSR Guinea/AW

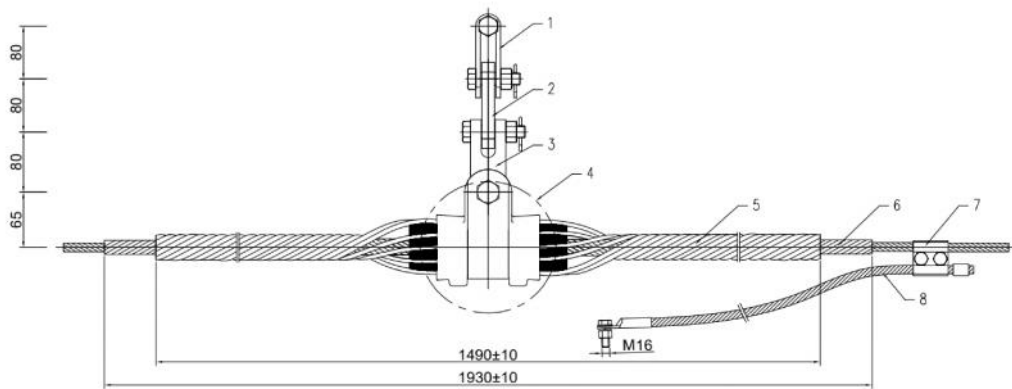
③	Insulators	Requirement	Offer
	Properties		
	Manufacturer Type		
	Catalog number		
	Material Type	hydrophobic silicone polymer	
	Tension Capacity (kN)	>110kN	
	End fitting Line side	ball	
	End fitting Pole side	clevis	
	Nominal PolymerLength (mm)	30" or 762mm	
	Section Length (mm)	>1060	
	Strike Distance (mm)	>770	
	Leakage distance (mm)	>1960	
	Creepage (mm/kV)	>31.5	
	50-Hz Dry Flashover (kV)	>315	
	50-Hz Wet Flashover (kV)	>305	
	Critical Impulse Positive (kV)	>525	
	Critical Impulse Negative (kV)	>510	

	Hardware accessories	Qty	Offer
	Manufacturer		
	Catalog Number		
①	Anchor Shackle	3	
②	Eye-Eye Link	1	
③	Yoke Plate	2	
④	Socket Y-Clevis	2	
	Compression Dead-end Jumper Assembly		
⑤	To match Guinea Conductor, To be supplied with sag adjusters and vibration dampers as required	1	

Vibration Dampers	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for ACSR Guinea / AW	
Galvanised	ASTM A153 / ISO 1401	
Aeolian vibration study to determine vibration damper spacing and quantity	Required	

69kV7SA02

Suspension property: OPGW non-ins susp AGS Unit (100kN)

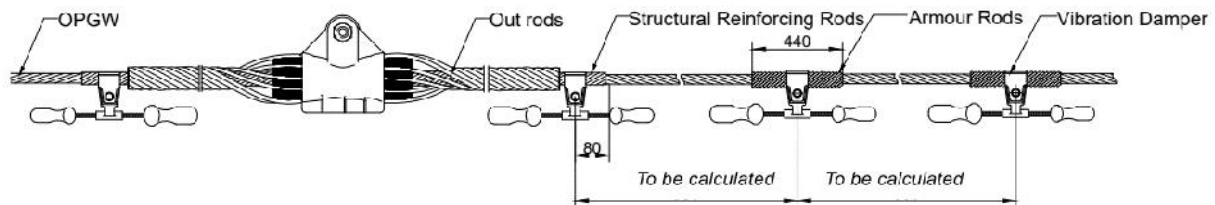


Note:

1. Min. vertical failing load: 100kN;
2. Min. slip load: 15% RTS of OPGW;
3. Hot-dip galvanized to ISO 1461;
4. All dimensions are in millimeters;

8	Earth Bonding Lead	Aluminum	1	
7	Parallel Groove Clamp	Aluminum Alloy	1	
6	Structural Reinforcing Rods	Aluminum Alloy	1	
5	Outer Rods	Aluminum Alloy	1	
4	Suspension Head	/	1	100kN
3	Clevises Tongues	Galv. Steel	1	100kN
2	Strap	Galv. Steel	1	100kN
1	Clevis Hing	Galv. Steel	1	100kN
Item	Description	Material	QTY	RFL

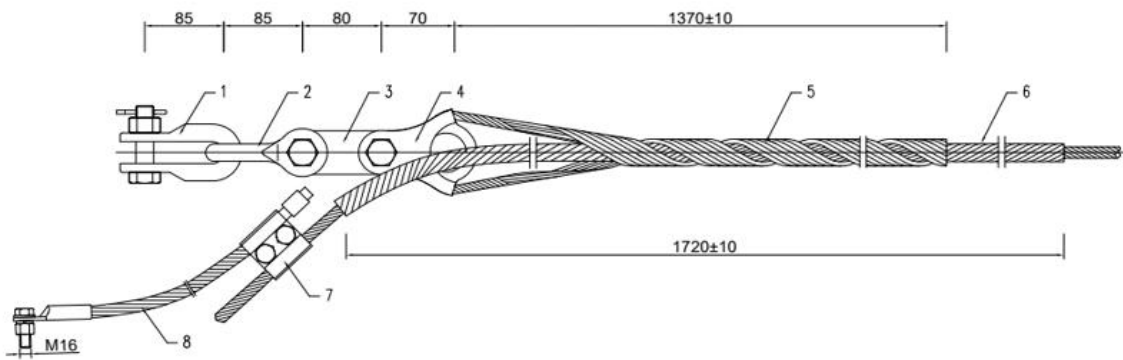
Stockbridge Vibration Damper suitable for OPGW conductor



Armour Grip Suspension Unit	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for 10.5mm, 48 Fiber OPGW	
Conductor End Fitting	Clevis	
Minimum vertical failing load (kN)	100	
Maximum slippage	15% of UTS	
Bonding lead material	Aluminium	
Parallel Groove Clamp	Aluminium- Alloy	
Structural Reinforcing Rods	Aluminium- Alloy	
Outer Rods	Aluminium- Alloy	
Suspension Head Capacity (kN)	100	
Clevis Tongue Capacity (kN)	100	

Vibration Dampers	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for 10.5mm, 48 Fiber OPGW	
Galvanised	ASTM A153 / ISO 1401	
Aeolian vibration study to determine vibration damper spacing and quantity	Required	

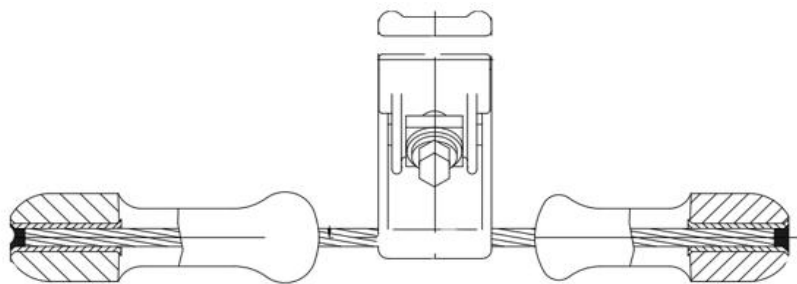
6TA02	Strain property: OPGW Tens assy (100kN)
6TA03	Strain property: Shield wire Tens assy (100kN)



Note:
1. Min. holding Strength: 95% RTS of OPGW;
2. Hot-dip galvanized to ISO 1461;
3. All dimensions are in millimeters;

8	Earth Bonding Lead	Aluminum	1	
7	Parallel Groove Clamp	Aluminum Alloy	1	
6	Structural Reinforcing Rods	Al.-Clad Steel	1	
5	Dead-End Component	Al.-Clad Steel	1	
4	Thimble Clevis	Galv.Cast Iron	1	100kN
3	Strap	Galv. Steel	1	100kN
2	Shackle	Galv. Steel	1	100kN
1	Shackle	Galv. Steel	1	100kN
Item	Description	Material	QTY	RFL

Stockbridge Vibration Damper suitable for OPGW and Shield Wire



Note:
1.Galvanized to ASTM A153;
2.Conductor size: Suitable for: 10.5mm, 48 Fiber OPGW and **7 x 3.35 Galvanised HSS steel Wire

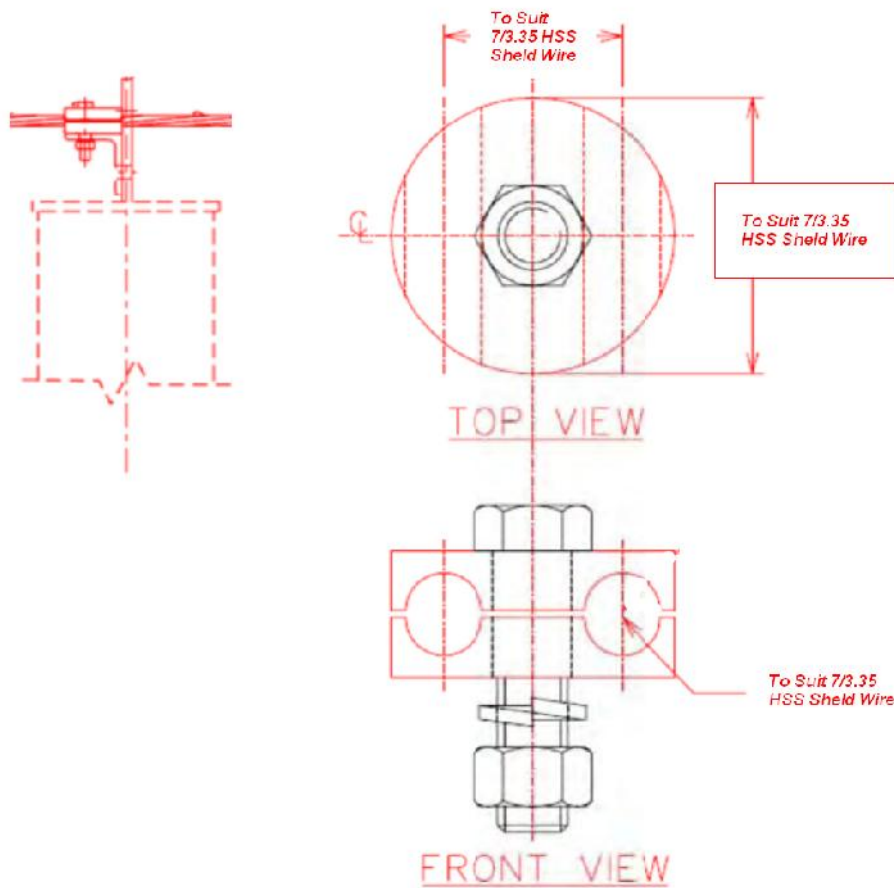
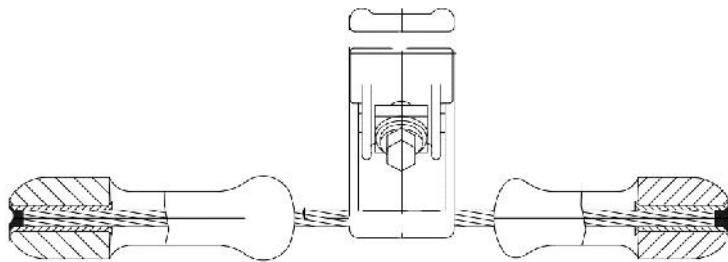
③

Shield wire Tens assy	Requirement	Offer
Properties		
Manufacturer Type		
Catalog Number		
Conductor Range	Suitable for: *10.5mm, 48 Fiber OPGW and **7 x 3.35 Galvanised HSS steel Wire	
Shackle material / kN	Galv. Steel / 100kN	
Shackle material / kN	Galv. Steel / 100kN	
Strap material / kN	Galv. Steel / 100kN	
Thimble Clevis	Galv.Cast Iron / 100kN	
Dead-End Component	Al.-Clad Steel	
Structural Reinforcing Rods	Al.-Clad Steel	
Parallel Groove Clamp	Aluminum Alloy	
Earth Bonding Lead	Aluminum	

Vibration Dampers	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for: *10.5mm, 48 Fiber OPGW and **7 x 3.35 Galvanised HSS steel Wire	
Galvanised	ASTM A153 / ISO 1401	
Aeolian vibration study to determine vibration damper spacing and quantity	Required	

69kV8CL02

Clamp property: Shield Wire Clamp Assy

**Stockbridge Vibration Damper suitable for Shield Wire**

Note:
1. Galvanized to ASTM A153;
2. Conductor size: Suitable for: 7 x 3.35 Galvanised HSS steel Wire

③

Shield wire Clamp assy	Requirement	Offer
Properties		
Manufacturer Type		
Catalog Number		
Parallel Groove Clamp Conductor Range	Suitable for: *7 x 3.35 Galvanised HSS steel Wire	
Structural Reinforcing Rods material	Al.-Clad Steel	
Parallel Groove Clamp	Galvanised steel	
Armour rods Conductor Range	Suitable for: *7 x 3.35 Galvanised HSS steel Wire	
Galvanised	ASTM A153 / ISO 1401	

Vibration Dampers	Requirement	Offer
Manufacturer / Type		
Catalog Number		
Conductor Range	Suitable for: *7 x 3.35 Galvanised HSS steel Wire	
Galvanised	ASTM A153 / ISO 1401	
Aeolian vibration study to determine vibration damper spacing and quantity	Required	