

## Installation Instructions

### 4-Bundle Bolted Type Spacer Dampers

Correct installation of the spacer damper is critical to the proper performance of the spacer damper and control of aeolian vibration and subconductor oscillation.

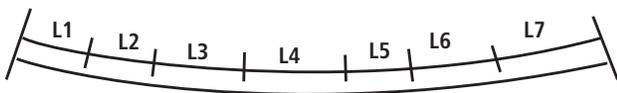
#### 1. Preparation

Ensure that the Spacer Damper is the correct size for the conductor. Ensure that the application tool supplied is available.



#### 2. Subspan Spacing

Check that Spacing chart provided for this Project is available. For each span that you are working on, check the catenary length and the corresponding Subspan lengths.



For example: for a 350 m span length the Subspan lengths are:

L1	L2	L3	L4	L5	L6	L7
39.0 m	57.5 m	47.0 m	60.5 m	48.5 m	59.0 m	38.5 m

The tolerance on each measurement is +/- 0.5 m.

#### 3. Location

- Check the equipment to be used to measure the Subspan lengths and ensure that it is working properly.
- Measure the Subspan first Subspan length L1 and mark the conductor at the location that the spacer damper is to be installed.

#### 4. Align Spacer

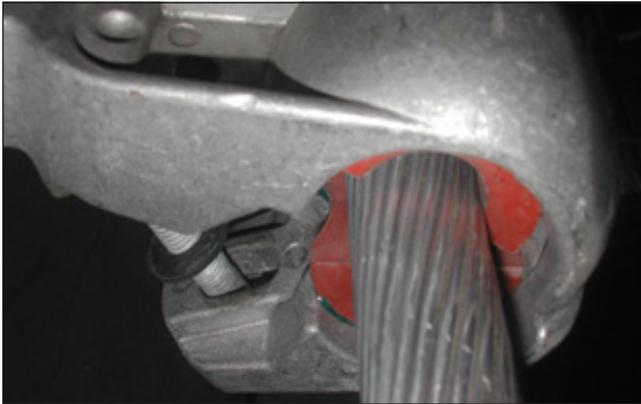
Ensure spacer is oriented correctly. Ensure that the top part of the frame which is marked "TOP" is uppermost. Check that the keepers for each clamp open downwards.



## Installation Instructions

### 4-Bundle Bolted Type Spacer Dampers (cont.)

#### 5. Open each clamp



#### 6. Position the spacer damper on the conductor



#### 7. Close the clamp and keeper

Use one hand to close the keeper and the other hand to start the bolt into the tapped thread in the clamp. Tighten the bolt.



#### 8. Tighten each clamp to the correct torque

- If Shear head bolts are supplied, tighten the top head of the bolt until it shears off.
- If standard bolts are supplied, use the torque wrench to tighten the bolt until a torque of 50 Nm (30 ft lbs) is reached.
- Repeat steps 7 and 8 for each clamp.



#### 9. Check installation



Each clamp of the Spacer Damper should look like this after installation.