

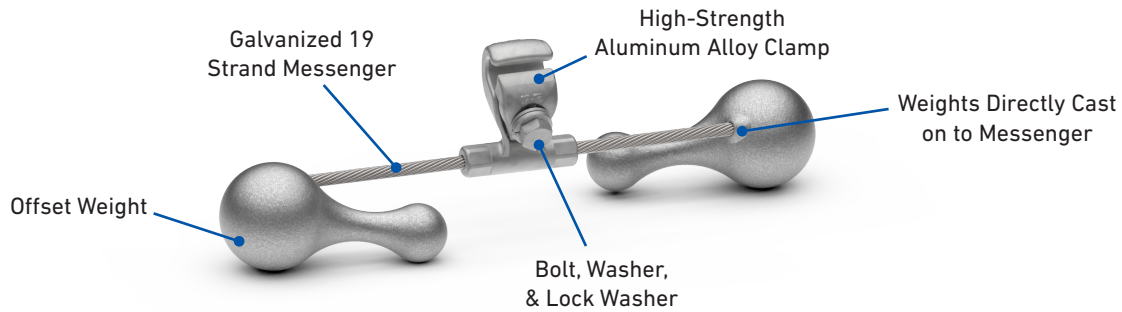
## DOGBONE® VIBRATION DAMPER

The **DOGBONE Vibration Damper** is designed to eliminate overhead shield wire fatigue damage and line maintenance costs by effectively diminishing aeolian vibration. The messenger cable and unique "dog bone" shape of the weights are designed to achieve optimal energy dissipation for minimal cable movement. The DOGBONE Vibration Damper may be used as an alternative to the Spiral Vibration Damper for customers who prefer a tuned damper option.

### FEATURES AND BENEFITS

- Offset dogbone-shaped weights introduce a torsional mode of vibration damping not present in conventional Stockbridge type dampers
- Galvanized 19-strand messenger cable provides greater energy dissipation at small amplitudes of cable motion
- Damper attachment clamp provides adequate slip strength without imposing excessive clamping pressure on the conductor
- Capable of being installed by hand or using live line installation techniques without the need to disassemble the clamp

## COMPONENTS



## ORDERING INFORMATION

- PLP uses an internally-developed program that utilizes the results of ongoing field and laboratory research to determine the required number and placement of DOGBONE Dampers in each cable span
- Contact PLP to calculate optimal damper placements and quantities

### DOGBONE® Vibration Damper Catalog Number

**DB** **X** - **X** **X**  
 (Section 1) (Section 2) (Section 3)

#### Catalog Number Example: DB05-06SH

Includes (1) DOGBONE Vibration Damper with weights for cable diameter range 0.250" - 0.550", and clamp for overall diameter range 0.250" - 0.710"

Section 1			Section 2			Section 3	
Weight Suffix Code	Steel & AL-Clad Shield Wire Range		Clamp Suffix Code	Clamp Range		Bolt Suffix Code	Bolt Type
	in	mm		in	mm		
05	0.250 - 0.386	6.25 - 9.81	06	0.250 - 0.370	6.4 - 9.3	Leave Blank	Standard Bolt
			09	0.371 - 0.490	9.4 - 12.4		
			12	0.491 - 0.600	12.5 - 15.2		
			15	0.601 - 0.710	15.3 - 18.0		
1	0.387 - 0.550	9.82 - 14.0	09	0.371 - 0.490	9.4 - 12.4	SH	Shear Head Bolt
			12	0.491 - 0.600	12.5 - 15.2		
			15	0.601 - 0.710	15.3 - 18.0		

### Dimensions

Catalog Number	Clamp Width		Bolt Size	Install Torque		Assembled Weight		Damper Length		Quantity per Box
	in	mm		ft-lb	Nm	lb	kg	in	mm	
DB05-06	1.50	38.1	7/16 x 1-3/4	20	27	2.7	1.2	13.8	351	15
DB05-09	1.50	38.1	7/16 x 1-3/4	20	27	2.7	1.2	13.8	351	15
DB05-12	1.55	39.4	1/2 x 2-1/4	25	34	2.9	1.3	13.8	351	15
DB05-15	1.55	39.4	1/2 x 2-1/4	25	34	2.9	1.3	13.8	351	15
DB1-09	1.50	38.1	7/16 x 1-3/4	20	27	5.1	2.3	16.3	414	10
DB1-12	1.55	39.4	1/2 x 2-1/4	25	34	5.1	2.3	16.3	414	10
DB1-15	1.55	39.4	1/2 x 2-1/4	25	34	5.1	2.3	16.3	414	10