



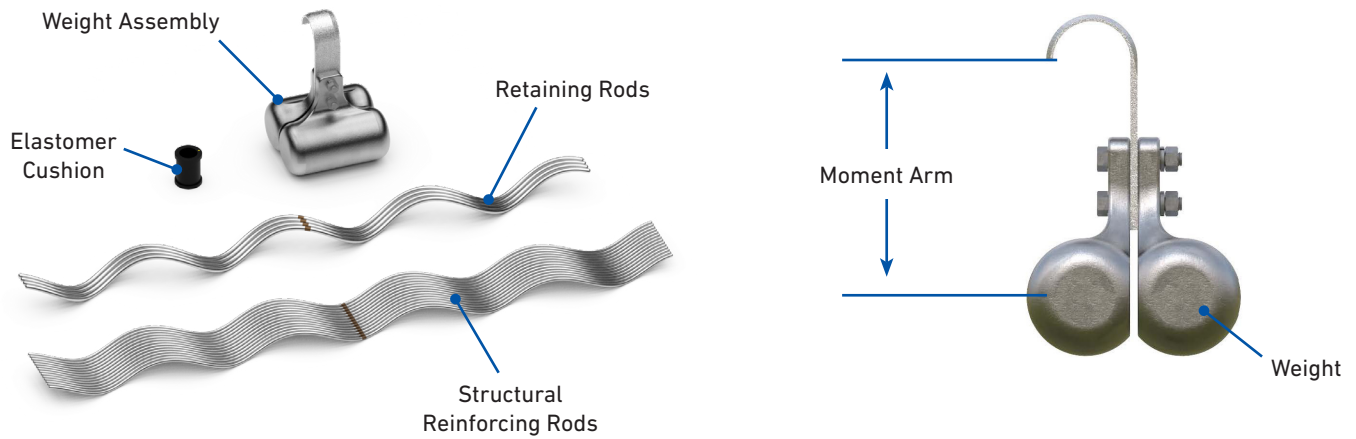
DETUNING PENDULUM

The **Detuning Pendulum** is a motion control product designed to minimize the amplitude of vertical conductor motion during galloping events. Galloping can rapidly cause severe damage to the cable system. Applying the recommended quantity and placements of Detuning Pendulums can suppress galloping, minimize conductor clashing, and increase cable longevity.

FEATURES AND BENEFITS

- Detuning Pendulums are project-specific and are designed and analyzed specifically for the line configuration
- Can be configured for single or bundled conductors
- Structural reinforcing rods are applied over the conductor before Detuning Pendulum application to protect the outer aluminum conductor strands from damage at the attachment location
- Rubber sleeve provides an added layer of protection to the structural reinforcing rods where the Detuning Pendulum is placed
- Helical rods are used to attach the Detuning Pendulum to the conductor to help reduce compression forces and the level of strain on the underlying conductor
- Rated for 250°C continuous operation
- Pendulum weight varies depending on specific application
- Can be applied to a de-energized or live line through helicopter or bucket truck installation

COMPONENTS



ORDERING INFORMATION

- Design and placement of Detuning Pendulums is project-specific and requires analysis by PLP. Span and tension information, tower dimensions, and icing levels, among other factors, will influence pendulum design and placements.
- PLP's extensive experience with laboratory and field testing allows us to provide customers with placement and design recommendations that will minimize the motion of the conductor bundles due to galloping events and maximize the longevity of the line
- Contact PLP for details on Detuning Pendulum design and placements