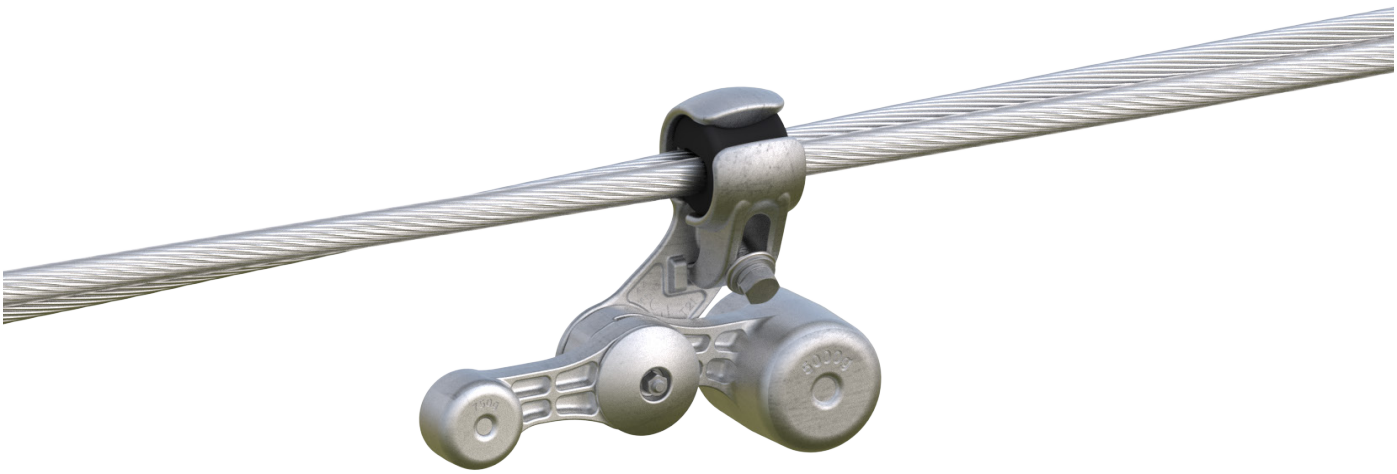


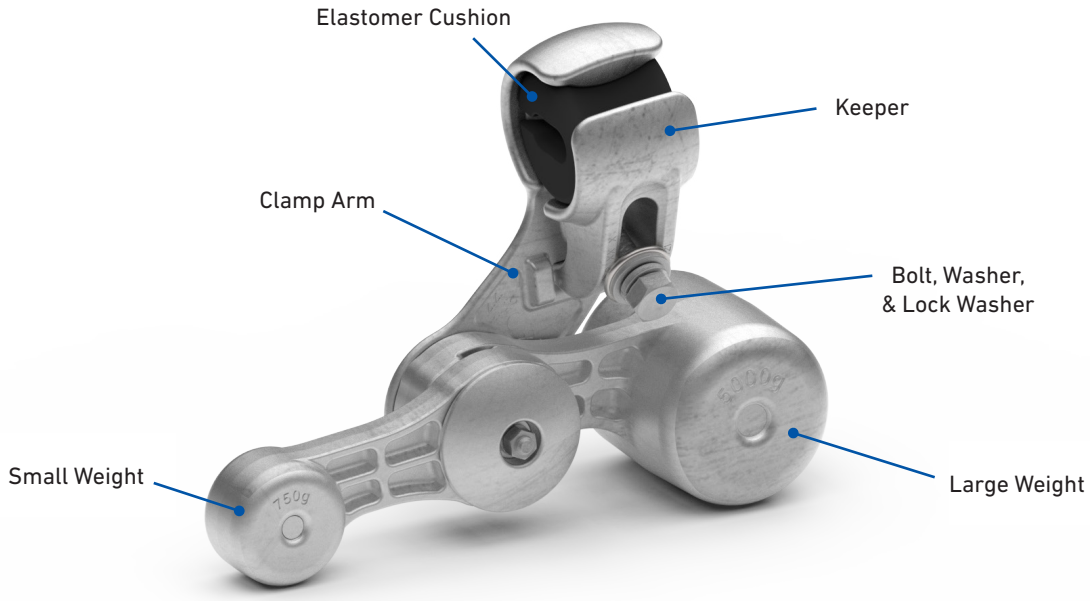
TWISTED PAIR VIBRATION DAMPER

PLP's **Twisted Pair Vibration Damper** is designed to withstand the high dynamic stresses of twisted pair conductor autorotation while mitigating aeolian vibration. Autorotation is a torsional instability under wind flow that can cause rotational oscillation about the span axis, causing high stresses at conductor connections. Autorotation has been observed to damage Stockbridge-style dampers for twisted pair conductor. The Twisted Pair Vibration Damper utilizes an elastomer damping element and elastomer lined clamp to withstand autorotation and provide sufficient aeolian vibration damping.

FEATURES AND BENEFITS

- Elastomer damping element designed to withstand the stresses associated with autorotation better than a Stockbridge damper for twisted pair conductor
- Specially designed elastomer-lined clamp reduces static and dynamic stresses on the conductor
- Elastomer damping system was initially developed in conjunction with Hydro-Québec for severe environment applications
- Corona-free up to 345 kV

COMPONENTS



ORDERING INFORMATION

- Selection and placement of Twisted Pair Vibration Dampers is project-specific and requires analysis by PLP
- Contact your local representative or PLP Technical Support for details on design and placements