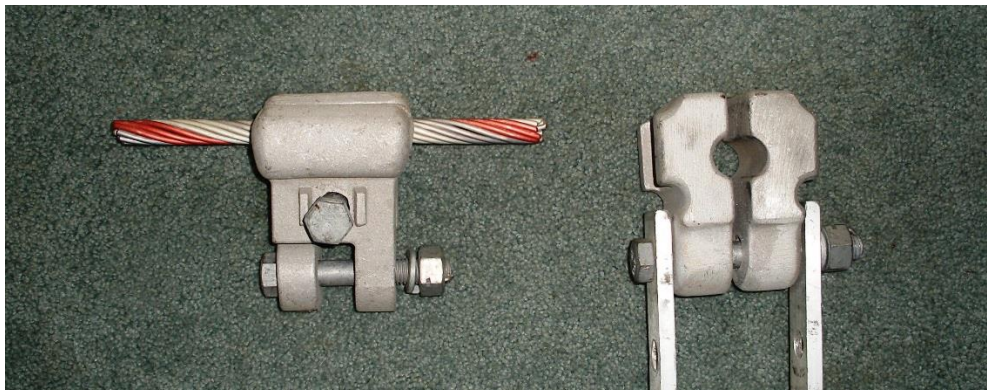




Product Testing

Clamp Holding Tests AR®Clamp for Windamper®, Twister, MOD2 Spacer Damper & Lightweight Spacer Damper

Two AR®Clamp models were tested for holding strength. Tests were completed in the independent testing laboratory at Helical Line Products Co., 659 Miller Road, Avon Lake, OH 44012.



Subject

Two AR®Clamp models were tested for holding strength. The Alligator grip clamp is used in all models of the AR Spacer Damper, all models of the Lightweight Spacer Damper and the Twister|Slider. The Nutcracker grip model is used in all other models of the Twister and the Windamper®.

Purpose

To determine if the test samples will slip from hold on a conductor and at what measure slippage occurs.

Testing

A standard production MODIV Twister damper was attached over armor rods to a simulated conductor. The O.D. including armor rods was 1.7 inch. The subject was mounted at the top of the crosshead of the Baldwin tensile testing machine. The bottom end of the conductor was supported at the test machine table, while the top end was clamped to the subject.

Tests were conducted for two positions of the AR®Clamp – weight fixed (Nutcracker grip clamp) and weight loose (Alligator grip clamp.) Both clamp models were tested at a torque of 50 ft. lbs.

Equipment

50,000 lb. Baldwin, Torque Wrench 1/2" drive, 50 ft.-lbs. torque.

Results

Clamp slipped at a tensile load of	Alligator grip clamp	1,000 lb.
	Nutcracker grip clamp	1,200 lb.