



The **BEST SOLUTION**
for **OSPREY** *and other*
AVIAN CHALLENGES!

RAPTOR
RESISTER™

RAPTOR RESISTER™

Easy Installation!



MOLDED IN THE USA



INTRODUCING

RAPTOR RESISTER™

POLE TOP GUARD

Got Osprey or Other Avian Challenges?

The North American Osprey population has exploded to 350,000+ birds, due in part to the U.S. Government's ban on the agricultural use of DDT in 1972 and The Endangered Species Act of 1973.

Ospreys primarily inhabit marine ecosystems and build their nests on tall structures with panoramic views, often choosing utility power poles. One of the mainstays of The Endangered Species Act is that established Osprey nests *must not* be moved. When you consider that an individual Osprey nest can be continuously occupied by multiple generations of Osprey for up to 45 years, *this can be a major issue to utilities and linemen.*

The Central Moloney Raptor Resister™ Pole Top Guard is a two-piece, conical-shaped, polypropylene molded wildlife guard that will keep Osprey and any other birds from nesting. The Raptor Resister is molded from a premium grade, weather resistant, UV-stabilized polypropylene copolymer. With more than 25 years in the field and extensive laboratory testing, this polymer has proven to possess excellent durability and weathering characteristics. The two-piece design fastens together using either a stainless steel bolt or hardened epoxy as its anchor.

- Economical
- Easy to install
- Durable
- Effective
- Nature-friendly

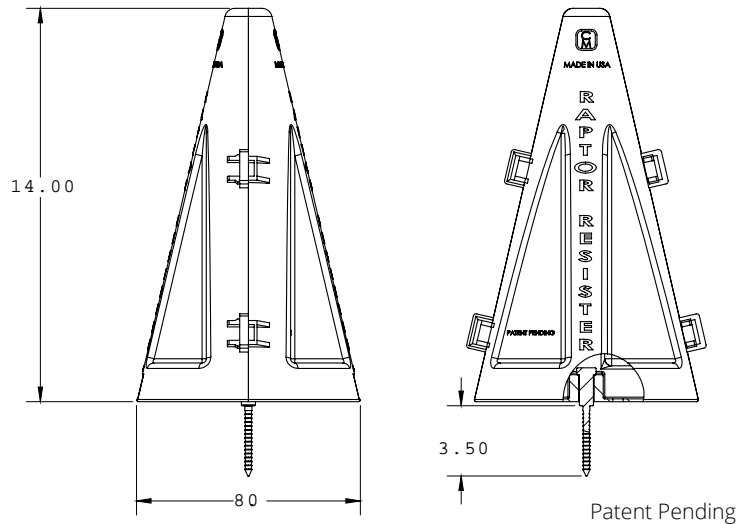
The guard is sold as three different assemblies, one for wood poles, one for steel poles, and one for concrete poles. The wood pole assembly comes with a stainless drive screw bolt that is hammered into the tops of wooden poles. The steel version is equipped with a self-tapping stainless screw bolt that will be drilled through the tops of steel poles. The concrete version is anchored to the pole using a two-part epoxy. The epoxy is applied to the top of the pole, and then the guard is placed on top of the active epoxy. As the epoxy expands it will mushroom up through the three holes in the base of the guard, creating rivets as it hardens.

Once the guard has snapped together around the bolt in the wood and steel versions, and once the epoxy has hardened in the concrete version, it will have a wind withstand of 85 miles per hour. The guard is designed to leave a small amount of surface area exposed along the top of the pole. This avoids any guard overhang which would serve as a bee or wasp magnet.



**RAPTOR
RESISTER™**

PART DIMENSIONS



TESTING

The following tests have been conducted on production parts to verify performance on electrical apparatus up to 25 KV Class (15.0KV line to ground).

Material Tests

The following laboratory tests were performed on material samples representative of typical production lots:

Dielectric Constant

Tested in accordance with ASTM D 150, the dielectric constant (100kHz) of the material is 2.10 - 2.15.

Dielectric Strength

Tested in accordance with ASTM D 149, the dielectric strength of the material is 22 - 23 kV/mm.

Ultraviolet Aging

The test samples consisted of two 1" x 5" sections removed from standard production guards. Testing was conducted on a Q-Trac natural sunlight concentrator at the Q-Panel Weathering Research facility in Buckeye, Arizona. Exposure time was 6 months, which approximates 8-10 years of typical outdoor exposure or 4-5 years of severe outdoor exposure. A nightly water spray cycle was included to simulate the effect of dew and rainfall.

Samples returned at the conclusion of the test were still in good condition. Functionally, the material was still completely intact and flexible with no cracking or embrittlement. The cosmetic appearance of the samples also remained good, with only very minor surface chalking as evidence of the exposure.

Retention Testing

While installed on the test fixture, the guards remained properly installed when exposed to a constant wind velocity of 85 mph.

Cold Temperature

Guards were placed in an environmental chamber for 4 hours @ -20 Degrees C. Within one minute of removal, the guards were installed and removed from the test fixture five consecutive times. No cracks or damage to the parts were observed.

ORDERING

Reference Part # **70380492** (for WOOD installation), **70380491** (CONCRETE installation) and **70380493** (METAL installation). For efficient packing and freight savings, the guard is shipped unassembled with the guard halves nested in the box. Standard box count is 30 pieces.



**CENTRAL MOLONEY INCORPORATED
COMPONENTS**

An ISO 9001 Company

5500 Jefferson Parkway

Pine Bluff, AR 71602

Tel (870) 247-5320

Fax (870) 247-5369

info@centralmoloneyinc.com

www.centralmoloneyinc.com