

Tower Guard™

WHERE TO USE
TARGET BIRD

Long, exposed ledges, parapets, signs, beams, pipes, railings
Gulls, Cormorants, Vultures, Osprey, Hawks and Owls and other large birds

BIRD PRESSURE
MATERIAL
INSTALLATION

Light - Heavy
UV Stabilized Plastic, polyester line, some metal parts
Secure posts to the structure. Run wire or polyester cord loosely through the holes in the posts.

INSTALLATION LEVEL

Easy



VIDEO



Crossarm installation to deter Ospreys.



Installation on railings to deter Hawks, Vultures and California Condors.



An installation on a pier to keep Gulls and Cormorants from perching

How it Works

Tower Guard deters Gulls, Cormorants, Vultures, Osprey, Hawks and Owls and other large birds. It creates both a visual and physical barrier for railings and flat surfaces. Birds are looking for a low "cost of energy" perch that is easy and safe. As they view the system, they see that it takes away the perch and it is too small and unstable to land on.

Removable

By pulling a simple pin, the posts can be easily removed from the bases. This allows for maintenance on antennas and railing where access is important.

Material

Made from the same plastic that the telecom industry uses for its outdoor boxes. It's well documented to withstand UV degradation for many years.

RF Transparent - Non-Conductive

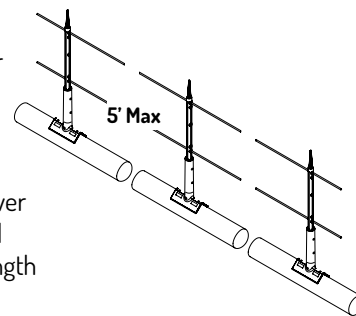
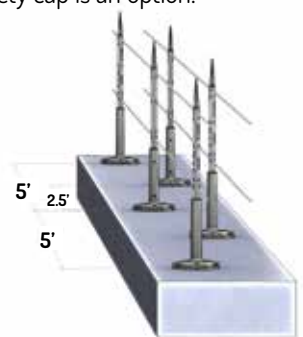
For sensitive applications (radar, cell sites and power substations), the Tower Guard system can be installed without metal parts. Use the polyester cord (not the metal Birdwire), and replace the Post Locking Pin with a short length of polyester cord, knotted as shown on the opposite page.

Safety Tip

In areas where people may come in contact with the posts, a version with a yellow rounded safety cap is an option.

Placement

Flat Surface - Posts should be no more than 2 in. from the outer edge. They should be no more than 5 ft. apart from each other. When running multiple rows, stagger the posts as shown in the diagram.



Power substation installation with V base/Tower Wire to keep starlings away.

Mounting Options

The V base can fit on a round or square railing. These can be attached with plastic cable ties, metal hose clamps or with nails/screws.



The round/flat base can be placed on beams with magnets, metal parapets with a washer and adhesive, on wood with nails or screws and concrete with concrete screws.



Tower Guard™

Tower Guard Posts

The posts are 14" tall and are 1/2" in diameter. They are designed to accommodate different heights of cord or wire. We recommend using one of the top and bottom holes to create those levels. Both the cord and wire are easily pulled through the holes. High winds and temperatures do not affect the posts. The post tip adds an extra repellent feature, but if safety is a concern, the Safety Posts, featuring a yellow cap, should be used. Use the stainless steel on corners with significant tension.

Tower Guard Posts (25)	TG-P05
Stainless Steel Posts (5)	TG-P20
Tower Guard Safety Posts (25)	TG-P10

Stainless steel, for ends and corners.

NEW

Wire and Cord

The stainless wire offers lower visibility for sensitive areas, whereas the polyester cord is more of a visual irritant to the birds. Both options create the barrier to deter large bird species. Leaving a little slack in the line adds another imbalance for those that try to perch. Use the cord if a non-metallic installation (for communication towers and radar installations) is required.

Birdwire, Nylon Coated SS, 250 ft.	BW-W010
Birdwire, Nylon Coated SS, 500 ft.	BW-W020
Birdwire, Nylon Coated SS, 1,000 ft.	BW-W030
Birdwire Crimps (100)	BW-C000
Birdwire Crimping Tool (ea)	T0-BW10
Polyester Cord, 1/8", 500 ft.	TG-PC05
Polyester Cord, 1/8", 1,500 ft.	TG-PC15
Tower Wire, 375 ft.	TG-PC20

Post Lock

Tower Guard bases come standard with a metal safety pin to lock the post into the base. For non-metallic installations, substitute the polyester cord, with two knots. This is a fast and easy application. UV stable zip ties can also be used for a non-metallic installation.

Post Lock Safety Pin (30)	TG-B30
Post Lock Zip Ties 7" (30)	TG-B15

Tower Guard Bases

Both bases stand 5 in. tall without the posts. Choose the right base for the surface being protected (see box at bottom of page 38). Generally, the V-base is for tubes, and the round base is for flat surfaces. Mount the bases 5' ft. apart. Stagger them every 2-1/2 ft. if installing multiple rows. Rows should be not more than 5" in. apart.

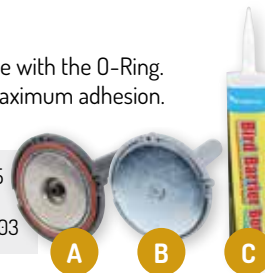
Tower Guard V-Base (5)	TG-B05
Tower Guard Round Base (5)	TG-B10



Fasteners for Round Base

For steel surfaces, choose the magnetic base with the O-Ring. To glue to a surface, add the Flat Disk for maximum adhesion. For wood, use the Screw/Nail kit.

A. Magnet for Round Base (5)	TG-F05
B. Flat Disk to Glue Round Base (5)	TG-F10
C. Bird Barrier Bond 10.2 oz.	HA-BB03



The bases can be screwed or nailed to many surfaces.

Be sure to select an appropriate screw, nail or Tapcon (for cement).

Fasteners for V-Base

These can be attached with the ultraviolet-protected cable ties or the stainless hose clamp. Use a cable tie tool when installing the ties for a strong, consistent install (it tightens and cuts the excess length). The hose clamps should be tight, but not enough to damage the base. Both work in all environments. (Note: cold weather condition zip ties are also available).

*Nylon 12 Zip Ties, 120 lbs., 14" (10)	TG-F20
Zip Tie Application Gun (ea)	TG-F25
Hose Clamps, SS, 1-3/4" - 2-3/4" (10)	TG-F30

*Nylon 12 Zip Ties provide the longest outdoor life.



UNDAMAGED IN HURRICANE IRMA

Multiple rows of Tower Guard keep large birds off wide ledges like this metal parapet cap.



When applying to curves, place the bases closer together so large birds cannot land on unprotected rails.



Also available, galvanized steel solutions for towers.

Non-Conductive Systems

Use Tower Wire to create a non-conductive deterrent solutions, safe for electrical equipment like substations.