

## FlyBye Tension Wire

D&S Specialty Products Inc.

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### FlyBye Tension Wire

#### MR-Manufacturer

FlyBye manufactures and distributes a complete line of Tension Wire hardware made from stainless steel and UV stabilized plastics.

#### PR-Product Presentation

FlyBye's Tension Wire is used worldwide to deter birds from roosting on exposed building elements, pipes and sills. The main component is a nylon coated stainless steel wire that has a spring tensioner attached between stainless steel posts.

Tension Wire systems main advantage is that it is hard to see. This makes it an excellent choice for many upper end buildings such as museums and historical properties.

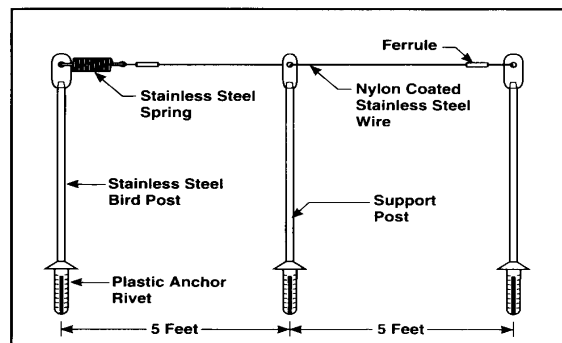
Tension Wire posts are available in many configurations, mounting styles and lengths that allow application to any building situation. Specialized brackets and clamps allow for application on pipes, beams, ledges, gutters and skylights where birds are undesirable. Stainless Steel split pins are ideal where opposing walls face each other in close proximity.

#### UA-Uses, Applications

FlyBye Tension Wire is used to deter birds from landing on exposed building structures by creating an unstable landing site, thus forcing birds to move to other locations. Tension Wire components can be used in a variety of combinations to cover any width of ledge. Tension Wire installation must be done by knowledgeable installers. The variety and combinations of spacing, number of wires, springs and attachments create a product that cannot be mounted "out-of-the-box" onto a surface. FlyBye does not recommend the use of Tension Wire systems for starlings, sparrows, swallows or similar sized birds.

#### AI-Assembly, Installation

Tension Wire is run in sections lengthwise along the mounting surface of the structure. Posts are mounted by the use of bases or expansion style rivets. The post should be placed no greater than 5 feet apart, with wire runs no greater than 15 feet. Each wire run will protect 2" of ledge, multiple runs can be used on wider ledges. When multiple runs are used, the height must vary by at least one inch to prevent larger birds from straddling the wires to roost.



#### MF- Material, Finish

FlyBye Tension Wire is manufactured from stainless steel and UV stabilized plastic. The wire is an extremely thin braided stainless steel coated with a UV stabilized plastic.

#### Technical Support

FlyBye's certified representatives and distributors are available to assist in all aspects of evaluation, product recommendation and choice of certified installers. Call 800-820-1980 or fax your drawings and other pertinent information to 425-823-8170.

Free literature, catalog, work sheets and installation information is available upon request.

#### Specification Guidelines

##### General

##### 1.1 Description

1.1.1 FlyBye Tension Wire is installed on exposed areas to prevent birds from loafing and causing damage with their droppings. Do Not Use For Nesting Sites.

1.1.2 Tension Wire is a landing deterrant, and will not provide exclusion to an application site.

##### 1.2 Quality Assurance

1.2.1 Obtain technical literature, brochures, or installation advice from manufacturer or distributor. Drawings, sketches, and photos may be needed to provide proper evaluation

1.2.2 Utilization of FlyBye Certified Labor is recommended for technically difficult situations.

1.2.3 FlyBye always recommends using certified installation companies in your area that carry proper insurance and licenses.

### 1.3 Submittals

1.3.1 Submit manufacturer's catalog, samples, brochures, fliers or shop sketches as required to provide adequate description.

### 1.4 Product Handling

1.4.1 Protect FlyBye Tension Wire from damage before, during, and after installation.

1.4.2 Damaged Tension Wire components should be replaced immediately.

## Products

### 2.1 Acceptable Manufacturer

#### 2.1.1 D&S Specialty Products

13611 NE 126th PL #200

Kirkland, WA 98034

Phone: 800-820-1980 / 425-820-8496

Fax: 425-823-8170

### 2.2 Model Designation

#### 2.2.1 Tension Wire Posts

#### 2.2.2 Tension Wire mounting systems

#### 2.2.3 Tension Wire stainless steel wire

#### 2.3.4 Tension Wire springs and crimps

#### 2.3.5 Tension Wire crimping tool

## Material

Tension Wire posts, springs, brackets, clamps

Material: Hardened 304 Series Stainless Steel

Height: Posts available: 3.5", 4.5", 5", 6" and 12"

Tension Wire: 1000' 40# Acculon

Spring: 302 Stainless Steel .036"d x .86"L

### 2.3 Mounting Systems

2.3.1 Concrete, stone or brick with hole in substrate; insert nylon anchor rivet into a hole 1" deep by 1/4" or using angle base; post is then driven into this fitting.

2.3.2 Steel, sheet metal, concrete, stone or brick with no holes in substrate; use FlyBye angle bases and construction grade silicone, after silicone has set drive posts into base.

2.3.3 Steel, sheet metal or wood with small holes; use FlyBye angle bases and screws or pop rivets through the holes provided in the base.

## Execution

### 3.1 Inspection

3.1 Inspect installation area. Notify architect or owner of detrimental work conditions.

3.2 Proceed with work only after repairs have been made

### 3.2 Surface Preparation

3.2.1 Bird droppings shall be cleaned, removed and disposed of in a safe manner in accordance with local regulations. Areas to have Tension Wire shall have repair work completed and properly cleaned.

3.2.2 Repair or remove items that may damage the Tension Wire after installation is completed. These include, but are not limited to, tree branches and loose items on the structure.

### 3.3 Installation

3.3.1 Install Tension Wire as recommended by manufacturer or distributor. The first row of wire should nearly overhang the outer edge of the structure. This may be accomplished by bending the post after installation.

3.3.2 Tension Wire should cover the entire ledge width and extend to each corner. Tension Wire is a landing deterrent, not a barrier. Not more than 2.5" can be left between rows of wire, and no more than 5' between posts for the length of wire run.

3.3.3 Tension Wire shall be installed with a maximum wire run of 15' per section of wire. Every 15' there must be a spring to terminate each wire section. The next wire section then continues using the same post.

### 3.4 Inspection

3.4.1 Visually inspect the Tension Wires for loose wires or other issues related to poor installation or site preparation.

3.4.2 Repair defects immediately

## OM- Operation, Maintenance

When Tension Wire is installed per specifications it is virtually maintenance free. Birds may drop debris in the wire as an attempt to build a nest, but the debris should be released by the elements. Nest building sites are not an appropriate area for Tension Wire and other deterrent methods should be used.

