

Number of spikes per 2-foot section: 60

Highest point: 4.3"

Base width: 0.5"

Top width: 7"

d. **Stainless SPIKES Needle Strips Extra Tall**

Polycarbonate with UV inhibitors, and ST 302 Hard Surgical Grade Stainless; resistant to virtually all weather and harsh environments; base mold of transparent polycarbonate.

Number of spikes per 2-foot section: 60

Highest point: 5.75"

Base width: 0.5"

Top width: 8.5"

**4. MOUNTING SYSTEMS**

- a. Bird-X Bird Spikes Special Adhesive – for surfaces where screws or nails are not preferred
- b. Screws – #12 flat Phillips-head screws
- c. Nails – 1/8" nails
- d. Wire ties – for cabling, piping and thin railings
- e. Clamps or Velcro® – for temporary installations

**C. EXECUTION**

**1. EXAMINATION**

- a. Examine the installation area. Notify architect or contractor of any hazardous or detrimental work conditions.
- b. Do not proceed until work conditions have been corrected.

**2. SURFACE PREPARATION**

- a. Surfaces should be inspected and cleaned before beginning installation.
- b. Remove debris and make repairs as necessary – fallen tree branches, brush, peeling paint, loose parts, rubble, rust, etc.
- c. Use Bird-X Safety Solvent to clean and remove bird droppings and other residue from surfaces.
- d. Make sure surfaces are dry before installation.

**3. INSTALLATION**

- a. Install Stainless SPIKES Needle Strips according to the Bird-X installation instructions.
- b. Install before 'bird season' begins – it is easier to keep the birds away than to rout them out once they have already established a living pattern.
- c. Measure the length of each area to be covered, allowing for curves or bends in the surface. Based on length (multiply length by 2, 3 etc. if necessary for wider widths) order an appropriate amount of Stainless SPIKES. Units may be 'snapped' to fit lengths less than 24".
- d. Bird-X Spikes Special Adhesive – bond only to dry, clean surfaces, when temperature is between 32°F and 120°F. Apply a bead of adhesive to underside of base and firmly press Stainless SPIKES onto surface so that it makes solid contact. Allow adhesive to dry and form a 'rivet' through the holes in the base.
- e. Screws – use #12 flat Phillips-head screws and a screwdriver with a shaft of at least 4".
- f. Nails – use 1/8" nails and a nail set.
- g. Wire ties – recommended for cabling, piping, and thin railings.
- h. Clamps or Velcro® – use for temporary installations.

**4. INSPECTION**

- a. Visually inspect Stainless SPIKES Needle Strips installation for inadequate adherence to surfaces, loose screws, or interfering debris.
- b. Make any necessary repairs immediately.