



2275 W. Midway Blvd, Unit C, Broomfield, CO 80020

Mailing address: PO Box 306, Commerce City, CO 80037

303.286.7051

866.639.5717 Fax

888.267.6463

[www.s-squartube.com](http://www.s-squartube.com)

## PRODUCT SPECIFICATION

### 12 & 14 GAUGE NEX<sup>®</sup> POST

**MATERIAL:** Steel posts furnished shall conform to the Standard Specification for Hot-Rolled Carbon Sheet Steel, structural quality, ASTM A1011 (previously A570). Posts shall conform to the Standard Specification for Electric-Resistance-Welded Metallic-Coated Carbon Steel Mechanical Tubing, ASTM designation A787.

**FINISH:** The NEX<sup>®</sup> sign post tubing shall be hot-dipped galvanized conforming to ASTM specification A653 designation G90. The weld is zinc-coated after scarfing operation.

**SHAPE:** The cross section of the post shall be octagon-shaped tubing formed of 12 or 14 gauge steel, carefully formed to size so that it will have four flat sides and four inverted sides. It will be induction welded in such a manner that neither weld nor flash shall interfere with telescoping properties.

**HOLE SLUGS:** Pre-scored hole slugs for knockouts shall be  $7/16'' \pm 1/64''$  on 1" centers for the entire length of the post. Slugs shall be on the center line of each side in true alignment and opposite to each other.

**YIELD STRENGTH PROPERTIES:** 60,000 PSI minimum

**THICKNESS:** 12 gauge 0.094 min., 0.105 nominal  
14 gauge 0.074 min., 0.083 nominal

#### **TELESCOPING PROPERTIES:**

The finished post shall be straight and have a smooth uniform finish and shall be free from burrs. The 2" NEX<sup>®</sup> post shall telescope into a 2.25" square anchor which can be buried directly into soil or concrete. The post is secured in place with the NEX<sup>®</sup> patented wedge which is virtually vandal proof.

# PRODUCT SPECIFICATION

## 12 & 14 GAUGE NEX<sup>®</sup> POST

### Page Two

#### **TOLERANCES:**

<u>Nominal Outside Dimensions</u> 2" x 2"	<u>Outside Tolerance on All Sides at Corners</u> ± 0.010"
--	--

Note: Measurements from outside dimension shall be made at least 2" from end of tube.

#### **Squareness of Sides and Twists:**

<u>Nominal Outside Dimensions</u> 2" x 2"	<u>Squareness Tolerance</u> ± 0.012"	<u>Twist Permissible in 3' length</u> 0.062"
--	---	---

Note: A sample shall be considered to fail if its sides are not 90 degrees to each other within the squareness tolerance listed above.

**Corner Radii:** Standard outside corner radii shall be  $5/32" \pm 1/32"$

**Length:** The length of each post shall be as specified and have a permissible length tolerance of  $\pm 1/4"$

**Straightness:**  $1/16"$  in 3 feet

<u>Size</u>	<u>Gauge</u>	<u>Weight Per Foot, Pounds</u> <u>Not Perforated</u>
2" x 2"	12	2.25
2" x 2"	14	1.89

NEX<sup>®</sup> has been crash tested in accordance with NCHRP Report 350 guidelines to meet FHWA breakaway requirements.

All specifications are subject to change without notice.

v. 04.02.2013