



SQR-LOC™ Perforated Traffic Post



TRINITY
HIGHWAY
Ahead of the Curve™

SQR-LOC™ Perforated Traffic Post

Material

Steel posts furnished shall conform to ASTM A653 Grade 50, Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.

Shape

The cross section on the post shall be carbon steel tube formed to square and welded directly in the corner by high frequency electric resistance welding and externally scarfed to match the corner radii.

Finish

The galvanized part will conform to ASTM A653, G90, Structural Quality, Grade 50. The corner weld is zinc coated after scarfing. The galvanized post has a minimum of 0.5 mil of clear acrylic polymer coating applied as a rust preventative.

DURABLE VALUE

Holes

All four sides feature holes that shall be 7/16" diameter, ($\pm 1/64$ ") on one-inch centers through the entire length of the post. Holes shall be on the centerline of each side, in alignment with and opposite each other directly and diagonally.

Telescoping Properties

The finished post shall be straight and have a smooth, uniform finish. All consecutive sizes of square tubes shall telescope freely and for not less than ten feet of their length without the need to match any particular face to any other face. All holes and ends shall be free from burrs.

Specifications

Nominal Outside Dimension	Available Gauges			Squareness Tolerance	Twist Permissible in 3' Length	Outside Tolerances at Corners (All Sides)
	10 (.134")	12 (.109")	14 (.083")			
1-1/2" x 1-1/2"		X		$\pm .009$ "	.050"	$\pm .006$ "
1-3/4" x 1-3/4"		X	X	$\pm .011$ "	.062"	$\pm .008$ "
2" x 2"		X	X	$\pm .012$ "	.062"	$\pm .008$ "
2-1/4" x 2-1/4"		X	X	$\pm .014$ "	.062"	$\pm .010$ "
2-1/2" x 2-1/2"	X	X		$\pm .015$ "	.075"	$\pm .010$ "

Outside Dimensions: Measurements are made at least 2" from the end of the tube.

Wall Thickness: Permissible variation in wall thickness is $+.011$ ", $-.005$ ".

Length: The length of each post shall have a permissible length tolerance of $\pm 1/4$ ".

Convexity and Concavity: As measured in the center of the flat sides, shall not exceed $\pm .010$ ", determined at the corner.

Corner Radii: Standard outside radii shall be 5/32", with variation of $\pm 1/32$ ".

Straightness: Permissible variation in straightness is 3/16" in a 10 foot section.



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SIGN POSTS

Square Sign Posts

- Galvanized steel
- Mount signs back to back on all 4 sides
- Post over 8 ft must ship motor freight*

- 7/16" holes on 1" centers the full length of the post
- Use alone or with a base post to create a break-away system
- Square post are bundled in qauntities of 25

Posts



1 3/4" Posts

Part#	Size	Gauge
SQ8	8'	14
SQ10	10'	14
SQ12	12'	14
SQ14	14'	14
SQ10-12	10'	12
SQ12-12	12'	12

2" x 2" Posts

Part#	Size	Gauge
SQ82-12	8'	12
SQ82	8'	14
SQ102	10'	14
SQ122	12'	14
SQ142	14'	14
SQ102-12	10'	12
SQ122-12	12'	12
SQ142-12	14'	12

Must be cut in half to get a 4' length.

Square Post Anchors -12 Gauge

*7 Gauge

SQ3	36", 2" base
SQ30	30", 2" base

SQ24.5*	24", 2 1/2" base
SQ32	36", 2 1/4" base
SQ302	30", 2 1/4" base
SQ302.5*	30", 2 1/2" base

Sleeves For Square Post - 12 Gauge

SQ18	18", 2 1/4"
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SQ182	18", 2 1/2"
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