

Slip base system

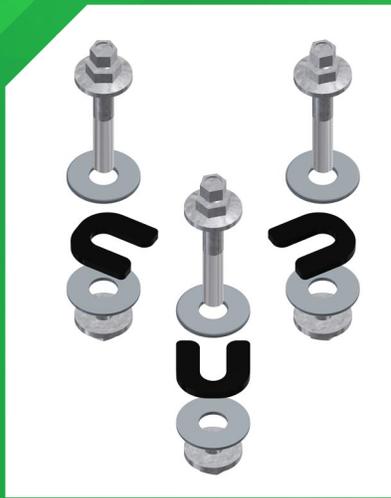


X<sup>2</sup>CESSORIES SQUARED

**REDI-TORQUE**

MASH-16 COMPLIANT

## Makes Torque Wrenches OBSOLETE



### The Redi-Torque Model 280 Slip Base System

is MASH-16 Compliant for intersecting roads and mainline roadways.

When properly installed, the Redi-Torque bolts create a clamping force equal to the pre-determined torque value that allows the plate to disengage on impact, well below the maximum change of velocity, under NCHRP 350 and MASH-16 criteria.

### BENEFITS

- Does not require any special tools such as a torque wrench.
- Can be used with new square, round, and beam post installations.
- Can be retrofitted to existing triangular slip base installations, including 8", 9", and 10", as well as rectangular slip bases.
- The 3-bolt system is FHWA accepted for up to three posts in 7' span with triangular slip bases (SS134, SS134A, and SS175).
- The 4-bolt system is FHWA accepted for up to two posts in 7' span with rectangular slip bases (SS134 and SS134A).



For more information, visit

[www.x-sqrd.com/products/redi-torque-model-280](http://www.x-sqrd.com/products/redi-torque-model-280).

# REDI-TORQUE

**X<sup>2</sup>CESSORIES  
SQUARED**

Slip base system



**The Redi-Torque system does not require a torque wrench.**

The top hex head of the Redi-Torque bolt breaks off at the pre-determined torque value needed to allow the plates to disengage on impact, yet clamps the slip plates with 30% greater clamping force than conventional square post slip bases.



## WIND LOAD CAPACITIES

### ALLOWABLE WIND LOAD

- Maximum allowable square footage based on a single support. Use a multiplier of 2 or 3 for 2 and 3 support installations.
- To increase capacity for 2 ½" x 12ga, insert a 2 ¼" x 12ga and use a multiplier of 1.8.
- To increase capacity for 2 ½" x 10ga, insert a 2 ¾" x 10ga and use a multiplier of 1.8.

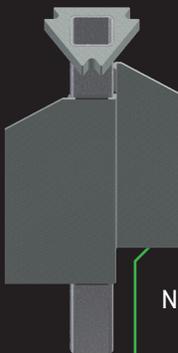
Centroid Height	90 MPH - PSST		120 MPH - PSST	
	2 ½" x 12ga	2 ½" x 10ga	2 ½" x 12ga	2 ½" x 10ga
10'	17.2 ft <sup>2</sup>	19.8 ft <sup>2</sup>	9.4 ft <sup>2</sup>	10.9 ft <sup>2</sup>
12'	14.3 ft <sup>2</sup>	16.5 ft <sup>2</sup>	7.8 ft <sup>2</sup>	9.1 ft <sup>2</sup>
14'	12.3 ft <sup>2</sup>	14.1 ft <sup>2</sup>	6.7 ft <sup>2</sup>	7.8 ft <sup>2</sup>
16'	10.7 ft <sup>2</sup>	12.4 ft <sup>2</sup>	5.9 ft <sup>2</sup>	6.8 ft <sup>2</sup>

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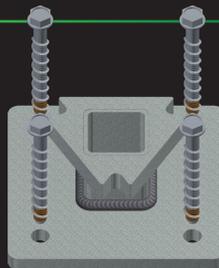
## INSTALLATION OPTIONS

Previously FHWA accepted—now MASH compliant for intersections and mainline roads

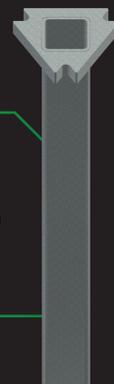


**SOIL**  
Not recommended  
in weak soil

### SURFACE-MOUNT CONCRETE



**CONCRETE**  
Concrete footing  
recommendation  
(12" x 30"  
standard soil)



217-438-3535 • [www.x-sqrd.com](http://www.x-sqrd.com)