

# Redi - Torque Model 280 Slip Base System

## Makes Torque Wrenches Obsolete

NCHRP 350 COMPLIANT - FHWA ACCEPTED (LETTERS SS-134 & SS-134A)



## Benefits of the Redi - Torque Slip Base System

- 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", & 10", as well as rectangular slip bases.
- 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 criteria.
- The 3 Bolt system is FHWA accepted for up to three posts in 7' span with triangular slip bases.
- The 4 Bolt system is FHWA accepted for up to two posts in 7' span with rectangular slip bases.



[www.x-sqrd.com](http://www.x-sqrd.com)



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.

"AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires & Traffic Signals" 4<sup>th</sup> Edition, 2001

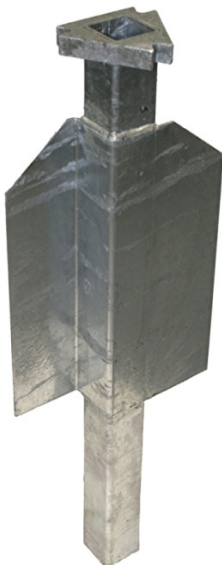
90 MPH - TELES PAR		
CENTROID HEIGHT	2 ½" X 12 ga.	2 ½" X 10 ga.
10'	17.2 ft <sup>2</sup>	19.8 ft <sup>2</sup>
12'	14.3 ft <sup>2</sup>	16.5 ft <sup>2</sup>
14'	12.3 ft <sup>2</sup>	14.1 ft <sup>2</sup>
16'	10.7 ft <sup>2</sup>	12.4 ft <sup>2</sup>



120 MPH - TELES PAR		
CENTROID HEIGHT	2 ½" X 12 ga.	2 ½" X 10 ga.
10'	9.4 ft <sup>2</sup>	10.9 ft <sup>2</sup>
12'	7.8 ft <sup>2</sup>	9.1 ft <sup>2</sup>
14'	6.7 ft <sup>2</sup>	7.8 ft <sup>2</sup>
16'	5.9 ft <sup>2</sup>	6.8 ft <sup>2</sup>

**ALLOWABLE WINDLOAD**

- 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 2-1/2" x 12 ga., insert a 2-1/4" x 12 ga. and use a multiplier of 1.8.
- To increase capacity for 2-1/2" x 10 ga., insert a 2-3/16" x 10 ga. and use a multiplier of 1.8.



**For Soil Installation**

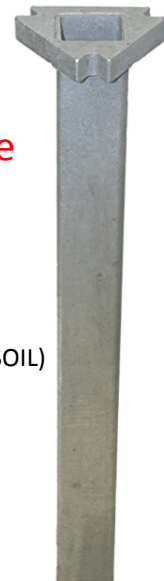
Not recommended in weak soil

**FHWA ACCEPTED**



**For Concrete Installation**

Concrete Footing Recommendation (12"x30" STANDARD SOIL)



Xcessories Squared

PATENT PENDING

X609RT280