

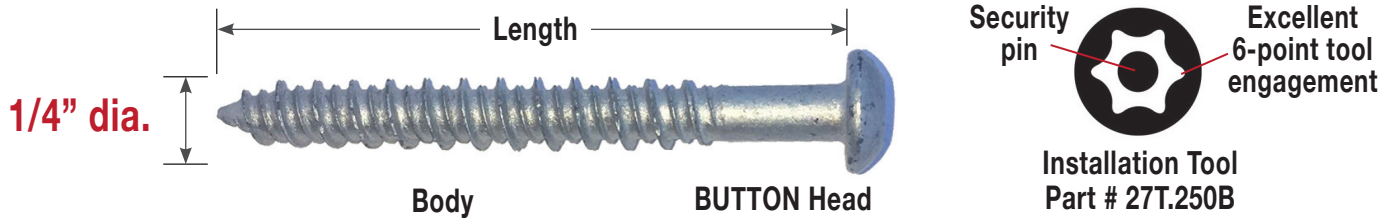
# SECURITY CONCRETE SCREWS ULTRA 6 LOBE MASONRY (1/4" dia.)



## FAST & EASY TO INSTALL IN CONCRETE, BRICK, MASONRY AND HOLLOW BLOCK

- Security tamper-proof masonry screw
- Special high-low thread design cuts into masonry materials, providing a stable, fast and accurate installation.
- Climate-Coat® protection for corrosion resistance: Formulated for long life protection, providing optimal corrosion resistance properties (ASTM B117)
- Button head

Made in the USA



SIZE (DIA. x LENGTH) * inch	PART NUMBER Steel with Climate-Coat® protection	HOLE DIAMETER IN BASE MATERIAL
1/4 x 1-1/4	14.1250TBC	3/16"
1/4 x 1-3/4	14.1750TBC	3/16"
1/4 x 2-1/4	14.2250TBC	3/16"
1/4 x 2-3/4	14.2750TBC	3/16"

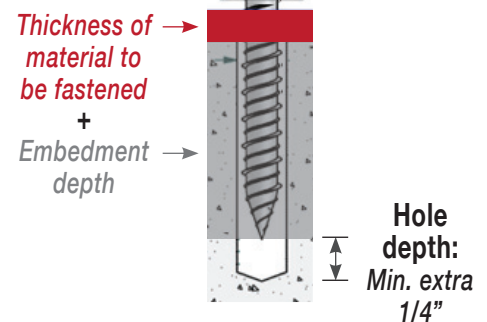
\* Additional sizes available. Minimum quantities may apply.  
 \* Screw lengths are measured from underneath the head.  
 \* To determine the minimum length of screw required, add the thickness of the material to be fastened to the minimum embedment for the diameter of screw being installed (see diagram and chart below).

### Installation

1. Drill a 3/16" diameter hole into the base material at least 1/4" deeper than the screw length.
2. Blow the hole clean using compressed air. Alternatively, drill the hole deep enough to accommodate embedment length and drilling dust.
3. Install the screw through the fixture directly into the base material.
4. Tighten to required installation torque (see below).

**IMPORTANT:** Make sure the hole in the item being attached is slightly larger than the screw diameter.

Screw length:



### Ultimate Tension and Shear Loads in Concrete

SCREW DIA. inch	MIN. EMBED. DEPTH inch	f' c = 2,000 psi (13.8 mPa)		f' c = 3,000 psi (20.7 mPa)		f' c = 4,000 psi (27.6 mPa)		f' c = 5,000 psi (34.5 mPa)	
		TENSION lb.	SHEAR lb.	TENSION lb.	SHEAR lb.	TENSION lb.	SHEAR lb.	TENSION lb.	SHEAR lb.
1/4	1	750	900	775	900	800	1,380	950	1,440
	1-1/4	1,050	900	1,160	900	1,270	1,380	1,515	1,440
	1-1/2	1,380	1,200	1,600	1,200	1,820	1,380	2,170	1,670
	1-3/4	2,020	1,670	2,200	1,670	2,380	1,670	2,770	1,670

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity.