

#8 ½ inch Self Piercing Screw



Performance Specifications						
SIZE DIAMETER	THREAD DIAMETER	THREADS PER INCH	STEEL GAUGE	TENSION PULLLOT (LBS)	SHEAR (LBS)	AVE TORSIONAL STRENGTH (LBS- INCH)
#8	0.195	10-12	20 (0.033")	460	878	75

The values listed above are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes. A minimum of 3 factors of safety should be used. Allow at least three full threads to extend beyond material. For wood applications allow 1" minimum embedment or full thread embedment in plywood & OSB for optimal pullout resistance.

Screws are manufactured from cold heading quality steel complying with ASTM A548, Grade 1022.
 Screws meet or exceed the following testing standard: ASTM C1002-93, ICBO-AC118, AISI-CF 92-1
 Steel members shall conform to section 2230, A3 of the code. 25 ga, 20 ga, 18 ga –Astm 653 grade 33 S.Q. with a minimum of 33,000 psi yield strength. 16 ga, 14 ga, 12 ga-Astm A653 Grade 50 S.Q. with a minimum of 50,000 psi yield strength.

MATERIAL /FINISH: Carbon steel with Electro Zinc plating & clear chromate.

DESCRIPTION: A slotted hex washer head thread forming tapping screw with a single lead thread rolled to the tip of an extra sharp point, and a second thread spaced 180° apart.

APPLICATIONS/ADVANTAGES: May be used in thin metal (less than .050 thick). Eliminates need for pre-drilled or pre-punched holes. Undercut area beneath the head allows greater length of thread engagement. Twin lead threads help to reduce driving torque.

HEAT TREATMENT: Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.

SURFACE HARDNESS: Rockwell C45 minimum

CORE HARDNESS(AFTER TEMPERING): Rockwell C28 - 38