



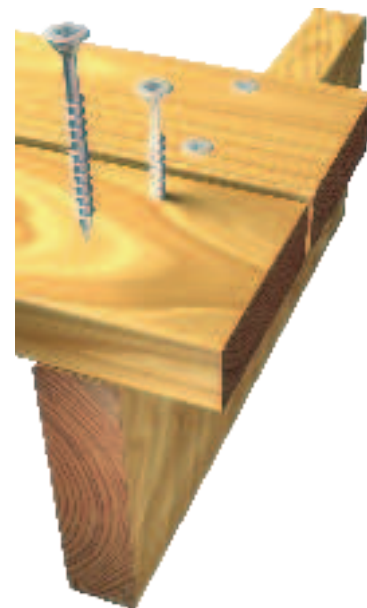
Stainless Steel

When should Stainless Steel be used, and what the numbers really mean?

Stainless Steel was developed over 90 years ago to combat the corrosion issue of standard grades of steel. It is mainly used in areas of high corrosion such as salt-water, boats, docks, redwood siding, and pressure treated decking where plated fasteners will eventually corrode causing major issues.

There are multiple types and grades of stainless steel, of which only a few are suitable for fasteners. Of these, the 300 series of stainless is most widely used. It is also referred to as 18-8 stainless. It contains 18% chromium and 8% nickel for good corrosion resistance. The difference between type 305 and type 316 grades of stainless is that the type 316 contains other components making more resistant to corrosion while adding minimal cost to the project.

When corrosion may be sacrificed for strength, type 410 stainless may be used. It is widely used for self-drilling applications. It also offers more of a coated appearance than others. Please call for availability and pricing.



Deck Installation

Number of fasteners needed per 100 square feet

	Number of Fasteners
6" deck boards	350 (our deck pack)
4" deck boards	525

Number of fasteners needed per 100 square feet

	Number of Fasteners
6" deck boards	1750 (our bulk bucket)
4" deck boards	2650

Two screws per each joist on 16" centers



LOX Test Results

In a recent independent test, LOX screws demonstrated more than triple the torque capacity of square. Applying increasing torque to the recess, the square drive cammed out with 37.79 Kgf-cm, which is well before the screw could be fully driven and seated. In every comparable test the LOX recess screw seated completely, with an average force of 82.11 Kgf-cm. In other tests, the LOX screw tolerated the maximum 100 Kgf-cm of force delivered by the test equipment and still did not cam out. In other words, the LOX exceeded the ability of the testing equipment to apply force.

That's **MAXIMUM TORQUE!**

Stainless Bulk #2 LOX Program W/QuickGrab Point

305 Stainless			305 Stainless			
Part No.	Item		Part No.	Item		
W815S305	#8 x 1 5/8" Trim Head		W815S316	#8 x 1 5/8" Trim Head		** The packaging offered will be a 1lb., a deck pack (350 screws to cover 100 sq. ft of decking), and a 1750 bulk bucket to cover 500 sq. ft of decking. I will follow up with the part numbers once they are created.
W8214S305	#8 x 2 1/4" Trim Head		W8215S316	#8 x 2 1/4" Trim Head		
W8300S305	#8 x 3" Trim Head		W8300S316	#8 x 3" Trim Head		
W10200S305	#10 x 2" Bugle Head		W10200S316	#10 x 2" Bugle Head		
W10250S305	#10 x 2 1/2" Bugle Head		W10250S316	#10 x 2 1/2" Bugle Head		
W10300S305	#10 x 3" Bugle Head		W10300S316	#10 x 3" Bugle Head		



If you use power tools... You should use screws designed for power tools.

- No Waste
- No Wobble
- No Cam Out
- No Slivers
- Stick Fit
- High Torque
- Drives Off Angle
- Exceptional Bit Tip Life

Distributed by:



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Fastener Standards for ACQ Lumber

The EPA has set December 31, 2003 as the deadline for the last production of pressure treated wood using copper chromated arsenic (CCA) for residential use, due to various market factors.

Newly developed Arsenic Free treatments including alkaline copper quaternary (ACQ) and copper azole (CA) contain approximately 6 times more copper than CCA. In long term corrosion testing conducted by the Forest Service division of USDA on fasteners used in CCA treated wood, only stainless steel nails and screws exhibited virtually no visual signs of corrosion and negligible weight loss over a fourteen year period while fasteners made of galvanized steel and aluminum showed significant degradation. These results illustrate that stainless steel is your best fastener choice. A brief explanation of galvanic corrosion reveals the reason why.

Galvanic Corrosion occurs when dissimilar metals are in contact with each other in the presence of an electrolyte (water). In the galvanic series chart shown below materials higher up on the list will corrode more rapidly when paired with materials further down it. The degree of corrosion increases as the separation of the metals in the list is increased. Thus, when exposed to water, the electrolyte, stainless steel used to fasten copper impregnated wood is far more resistant to corrosion than fasteners made of steel, zinc coated steel or aluminum.

Galvanic Series of Metals and Alloys

Zinc	Lead	Silicone Bronze	316 Stainless Steel
Aluminum	Brass	Monel 400	Silver
Mild Steel	Copper	304 Stainless Steel	Platinum

Stainless Steel fasteners last the life of the deck material. The overall job cost is minimal and stainless steel is the best fastener material available.

What is the Premium?

Non Stainless Retail Cost Analysis

Screw Type	Screw Cost/500 Sq. Feet
#7 x 2 1/4" Trim Coated Deck Screw	\$68.92
#10 x 2 1/2" Coated Deck Screws	\$76.30

Stainless Retail Cost Analysis

Screw Type	Screw Cost/500 Sq. Feet	Premium/500 Sq. Feet
#7 x 2 1/4" Trim Stainless Deck Screw	\$120.42	\$56.50
#10 x 2 1/2" Stainless Deck Screws	\$169.75	\$93.46

The long term beauty of stainless steel fasteners lasting the life of the deck can be used for a premium of only **\$56 to \$93 per 500 square feet! Less than 1% of the total job cost. .that is it.**

Isn't your deck worth it?

Grabber Construction Products.....Stainless Steel Lox Screws.....The Best Choice