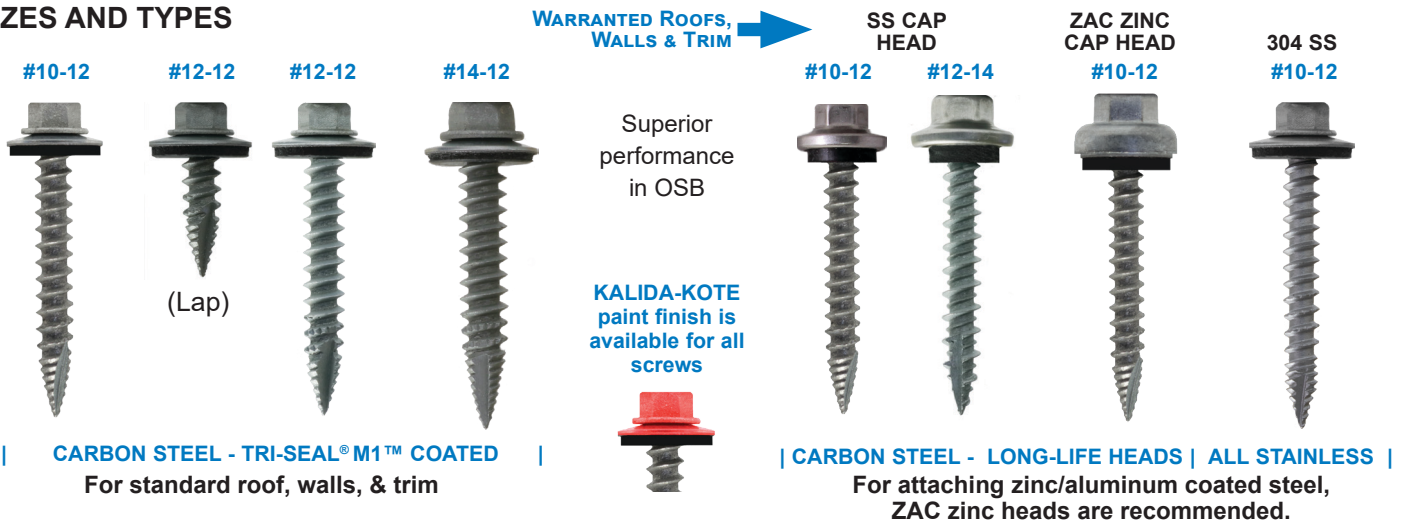


SIZES AND TYPES



GENERAL SPECIFICATIONS

Strengths (Carbon Steel = CS and Stainless Steel = SS)

Size	Thread Major Dia.	Tensile (lbs. min)	Shear (avg. lbs. ult.)	Torsional (min. in. lbs.)
#10-12 304 SS BB	.190	1,950	1270	60
#10-12 CS BB	.190	1,850	1,216	65
#12-14 CS HL	.216	2,183	1,946	80
#12-12 CS BB	.216	2,183	1,946	80
#14-12 CS BB	.235	3,150	2,150	125

Hex Sizes

#10, #12 = 1/4" HWH
#14 = 5/16" HWH

Washer Diameters

#10 = 12.8mm OD
#12 = 14mm OD
#14 = 15mm OD

*Patented Anti-burr Thread and Point Technology!**

*Pat. No.: 11,105,362

ZAC Zinc Heads: Zamac 5
SS Heads : 304 SS

MATERIAL SPECIFICATIONS

Material: Carbon Steel

Finish: TRI-SEAL® M1™ Long-life Plating
(ACQ Compatible for use in treated lumber)

Material: 304 Stainless Steel

Finish: Passivated & TRI-SEAL®
(Preferred for use in treated lumber)

Paint: Kalida-Kote Polyurethane with UV stabilizer.

Washer Types

Stainless Steel Screws

304SS vulcanized to non-conductive EPDM.

Carbon Steel Screws

G90 20ga Galvanized Steel vulcanized to non-conductive EPDM.

PERFORMANCE SPECIFICATIONS

Pullout Values in Wood (Carbon Steel or Stainless Steel)
Ultimate Average Load in Pounds Force



Fastener Dia. & Point	Wood Type							
	PLYWOOD-CDX				OSB			SYP
	11/32" 3/8" NOM	15/32" 1/2" NOM	19/32" 5/8" NOM	23/32" 3/4" NOM	7/16"	19/32"	23/32"	2 x 4
#10-12 BURR BUSTER		349	450	706	258	381	484	1059 1445*
#12-12 BURR BUSTER ¹	249	418	467	608	218	383	573	1241 1491*
#12-8 Type 17 High Low		296	445	552	139	445	538	748
#14-12 BURR BUSTER ¹	337		539	676	258	404		1169*

Report #T279-10 | Farabaugh Engineering and Testing | 9.30.2010

¹Report #T213-20 | Farabaugh Engineering and Testing | 05.01.2020

#10-12 and #12-12 BB SYP tested in TFC Tech Center | 04.12.22

REV: JK0422

PULLOUT TEST SETUP - EMBEDMENT

2 x 4 = 1" embedment. * Denotes 1-1/2" penetration (Full Threads.)
All other tests full thread embedment.

Note: The specific gravity and variations in grain should be considered and affects the pullout. A minimum safety factor of 4 should be used.

MEETS FLORIDA BUILDING CODE 1506.6 & R904.5.2
(TRI-SEAL® & SS ONLY).
Miami Dade Approved for < 1,000 hrs

Corrosion Test Results TRI-SEAL® M1 COATING

Testing Method	*Results
SO ₂ Test Per ASTM G87	20 Cycles (2 liters)
Salt Spray Per ASTM B117	1,000 hours

*0% Red Rust

Exceeds ASTM B633 Salt Spray requirements.

Pullover Strength in Pounds

Grade 50 per ASTM A1011 60Ksi Min. Steel

Washer Size	26ga (.019")	24ga (.023")	22ga (.031")	20ga (.035")	18ga (.049")
1/2" O.D.	810	1080	1350	1620	2160
9/16" O.D.	912	1216	1520	1824	2432
15mm O.D.	955	1274	1593	1912	2548

Calculated per AISI S100

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)