

TFC PRODUCT QUICK FACTS

- BURR BUSTER® point reduces burrs
- Type 17 mill point eliminates splitting of wood.
- Large diameters available for added strength.
- Penetrate up to 20ga steel.
- TRI-SEAL® 1,000 hrs salt spray coating formulated for treated lumber applications
- ZAC Zinc Head for Zinc / Aluminum coated panels.

Thread Types | Diameter

#10-12 (.185")
 #12-12 (.210")
 #14-12 (.240")

Lengths

3/4", 1", 1-1/2", 2", 2-1/2",
 3", 3-1/2"

Point Types

#10-12, #12-12, #14-12:
 BURR BUSTER®
 w/ Type 17 milled point

Drive Types

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

Sealing Washer

EPDM Sealant
 #10: 12 MM O.D.
 #12: 14 MM O.D.
 #14: 15 MM O.D.

Materials

#10-12: 304 Stainless Steel
 #10-12, #12-12
 #14-12: Carbon Steel

Finish

TRI-SEAL® 1,000 hrs salt
 spray coating.



www.trianglefastener.com

800.486.1832

PANEL-TITE BURR BUSTER

METAL-TO-WOOD SCREWS

#10-12 BB | 304SS | 1/4" HWH



#10-12 BB | CS/TS | 1/4" HWH

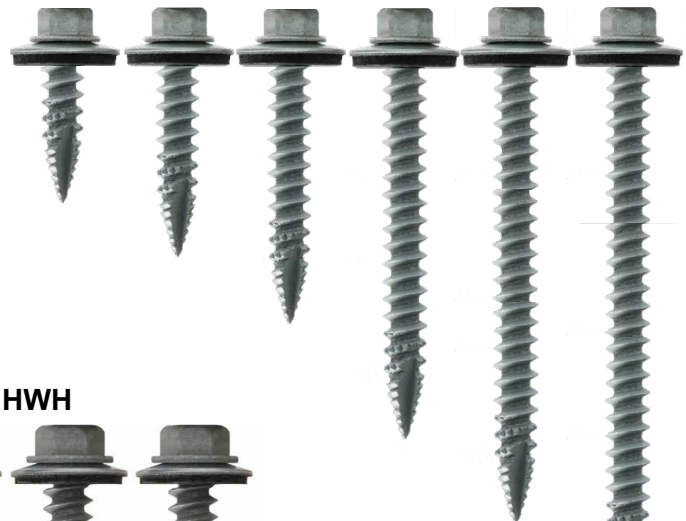


ZAC Zinc Head
 for warranted
 roofs and walls

Available In
 Zinc Cap Head
 Stainless Cap Head



#12-12 BB | CS/TS | 1/4" HWH



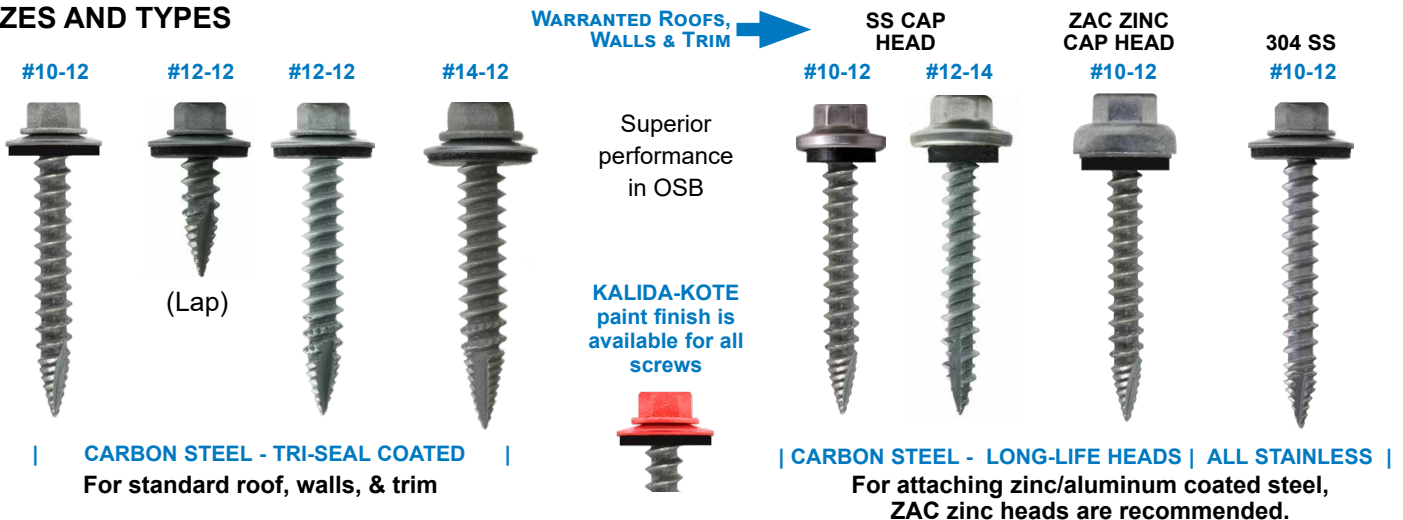
#14-12 BB | CS/TS | 5/16" HWH



KEY

BB: Burr Buster
 CS: Carbon Steel
 TS: TRI-SEAL
 304SS: 304 Stainless Steel

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 = 12mm 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 Long-life
(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
1 Report #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.

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)

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® 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