

Sizes

#9-15 Dual Thread



#10-14 Dual Thread with Type 17 Point



#12-8 Low Root with Type 17 Point



#12-11 Double Lead Lap



#14-10 Single Lead Type 17 Point



Hex Sizes: #9, #10, #12 = 1/4" HWH | #14 = 5/16" HWH
 Washer Diameters: #9, #10 = 12mm OD | #12 = 14mm OD | #14 = 15mm OD
 Washer Types: Stainless Steel Screws = 304SS vulcanized to non-conductive EPDM.
 Carbon Steel Screws = G90 20ga Galvanized Steel vulcanized to non-conductive EPDM.

Material Specifications

Material: Carbon Steel
Finish: TRI-SEAL Long-life (ACQ Compatible)

Paint

Kalida-Kote Polyurethane with UV stabilizer

Material: 304 Stainless Steel
Finish: Passivated. (ACQ Compatible)

Material: 304 Stainless Steel
Plating: Zinc Plated

Performance Specifications

Strengths (Carbon Steel)

Size	Tensile (lbs. min)	Shear (avg. lbs. ult.)	Torsional (min. in. lbs.)
#9-15 CS	1,800	1,200	50
#9-15 SS	1,500	980	45
#10-9	1,850	1,216	65
#10-12	2,100	1,400	65
#10-14	1,850	1,216	65
#12-8	2,183	1,946	80
#12-11	2,778	2,000	92
#14-10	3,150	2,150	125

Pullover Strength in Pounds

Washer Size	26ga (.19")	24ga (.023")	22ga (.031")	20ga (.035")	18ga (.049")
1/2" O.D.	515	674	875	1100	1627
9/16" O.D.	587	744	915	993	1246
15mm O.D.	564	810	1097	1166	1643

Pullout Values in Wood (Carbon Steel or Stainless Steel)

Ultimate Average Load in Pounds Force

Fastener Dia. & Point	Wood Type						
	1/2" Ply	5/8" Ply	3/4" Ply	7/16" OSB	19/32" OSB	23/32" OSB	2 x 4 SYP
#9-15 GP	350	402	548	173	344	431	887
#10-9 Type 17	383	395	574	136	256	514	813
#10-12 GP	375	505	654	166	357	442	737
#10-14 High-Low	375	505	654	166	357	442	737
#12-8 Type 17	296	445	552	139	445	538	748
#14-10	434	475	626	153	327	475	1030

Test Setup: 2 x 4 - 1" embedment. All other tests full thread embedment.

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

Exceeds ASTM B633 Salt Spray requirements. *0% Red Rust

DISCLAIMER: ALL TEST RESULTS AND FASTENER RECOMMENDATIONS ARE BASED ON LABORATORY CONDITIONS. BECAUSE ACTUAL JOB SITE CONDITIONS VARY AND ARE UNCONTROLLABLE BY TFC. WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.