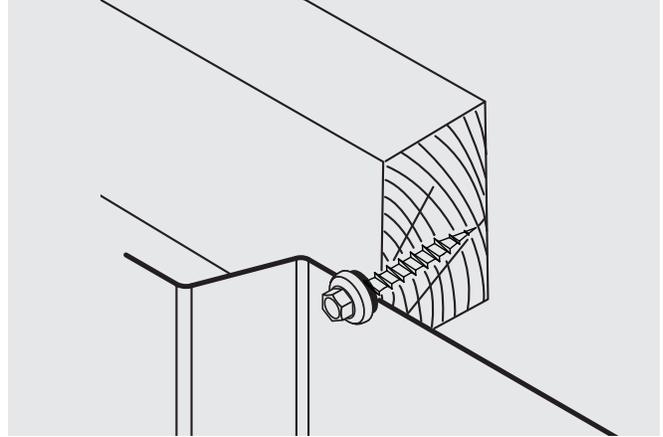


#12-8 WoodZAC[®] XG Metal to Wood Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Sharp point for fast installation
- Extra aggressive thread design; superior resistance to strip-out
- Improved pull out and backout values over other wood screws by as much as 30%
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel to wood

Product Selection

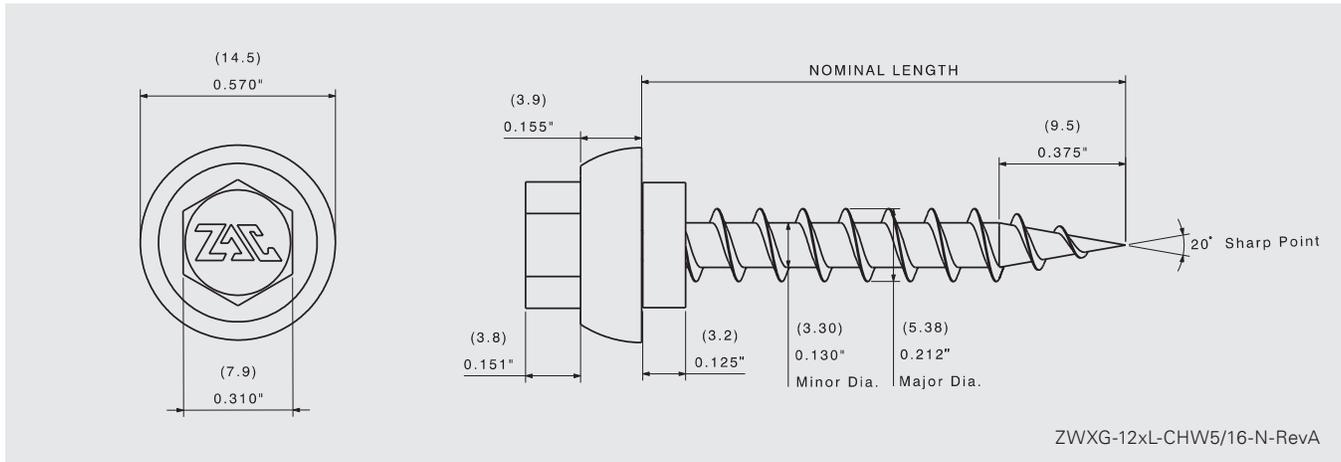
Material No.	Fastener Length		Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)				
1294632	1"	25	Full	ZWXG-#12x1-CHW5/16-N	40	2,500
1294763	1-1/2"	38	Full	ZWXG-#12x1-1/2-CHW5/16-N	37	2,000
1294883	2"	51	Full	ZWXG-#12x2-CHW5/16-N	33	1,500
1294963	2-1/2"	64	Full	ZWXG-#12x2-1/2-CHW5/16-N	24	1,000

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from tip of the drill point to end of the threads.



#12-8 WoodZAC[®] XG Metal to Wood Fastener



Product Specifications

Diameter: #12 (5.38 mm)
 Threads Per Inch: 8
 Head Style: 5/16" dia. Zinc alloy capped HWH AF (7.9 mm)
 Washer: EPDM sealing washer

Drill Point: Sharp point
 Drill Capacity: 24 ga. (0.6 mm)
 Thread Major Dia: 0.212" (5.38 mm)
 Thread Minor Dia: 0.130" (3.3 mm)

Performance Data^{1,2,3,4}

Material Strength

Tensile	1751 lbf / 7789 N
Shear	1223 lbf / 5440 N
Torsional	60 lbf-in / 6.78 N-m

Pull Over Strength

29 Ga (0.3 mm):	577 lbf / 2567 N
26 Ga (0.5 mm):	637 lbf / 2834 N
24 Ga (0.6 mm):	800 lbf / 3559 N

	Pull Out Strength	Strip-out Strength
SPF 1" penetration	583 lbf / 2593 N	68 lbf / 302 N
SPF 1-1/2" penetration	1029 lbf / 4577 N	79 lbf / 351 N
1x4" Pine	590 lbf / 2624 N	51 lbf / 227 N
3/4" Plywood	583 lbf / 2593 N	65 lbf / 289 N
5/8" Plywood	368 lbf / 1637 N	42 lbf / 187 N
1/2" Plywood	357 lbf / 1588 N	53 lbf / 236 N
23/32" OSB	412 lbf / 1833 N	76 lbf / 338 N
19/32" OSB	336 lbf / 1495 N	64 lbf / 285 N
15/32" OSB	225 lbf / 1001 N	41 lbf / 182 N

¹ Pull out strength values may vary from tested loads depending upon specific wood density variations.

² Pull over strength values are based on metal panel ksi values: 29 ga. (100 ksi), 26 ga. (70 ksi), 24 ga. (70 ksi).

³ Strip out values were determined by the dynamic strip out test, wherein fasteners were driven through a 24 gage panel into the applicable substrate at 2500 rpm until strip out occurred. The strip out values listed above represent the average maximum strip out measured by the digital data acquisition system when the fastener was driven into the given substrate.

⁴ SFS 4899.12, 4954.12, 4381.07

Installation and Application Considerations

Tools: 0–2500 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Special care needs to be taken when installing #12 WoodZAC XG fasteners into wood substrate less than 1" in thickness. Stripping or partially stripping the fastener out during installation compromises the clamp load and can affect the performance of the fastener.

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Metric values are approximate conversions.

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. (07/2021, V1.01)