

## Woodgrip™ Capped Fasteners

WoodZAC® and WOODMAC™  
For metal to wood

WoodZAC has all the performance features of standard Woodgrip fasteners, plus a zinc alloy cap that can never red rust:

- 5/16" AF high Hex Washer Head for driving stability and a sharp point for quick installation.
- Assembled with a aluminum bond seal for weather tight seal and improved installation appearance.

WoodMAC has all the performance features of standard Woodgrips:

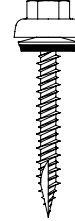
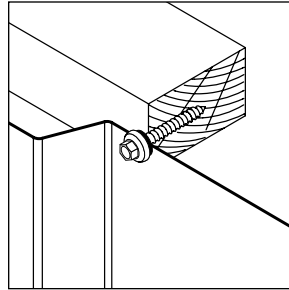
- 1/4" AF stainless cupped HWH for a low profile appearance and can never rust.

## Application

**HiLo WoodZAC**  
**10–15 HWH Mill Point**

Assembled with  
aluminum Bond Seal  
Metal to wood

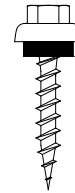
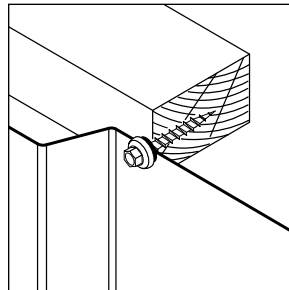
Drilling capacity: 24 ga (.024)  
Self-drills through the metal panel  
and taps into wood substrate.  
Min penetration in wood substrates  
should be no less than 1"



5/16" Hex Washer Head  
Zinc Alloy Cap  
Thread Major Dia: .199 - .191  
Thread Minor Dia: .133 - .127  
**Strength (lbs ult.):**  
Tensile: 1500  
Torsional: 60 in-lbs min.  
Shear: 933

**WoodZAC XG**  
**12–8 HWH Sharp Point**  
Assembled with EPDM washer  
Metal to Wood

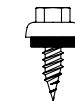
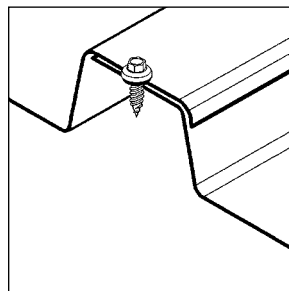
Drilling capacity: 24 ga (.024)  
Self-drills through the metal panel  
and taps into wood substrate.  
Min penetration in wood substrates  
should be no less than 1"



5/16" Hex Washer Head  
Zinc Alloy Cap  
Thread Major Dia: .215 - .209  
Thread Minor Dia: .133 - .127  
**Strength (lbs ult.):**  
Tensile: 2183  
Torsional: 60 in-lbs min.  
Shear: 1946

**WoodZAC**  
**12 x 3/4" LAP Sharp Point**  
Assembled with EPDM washer

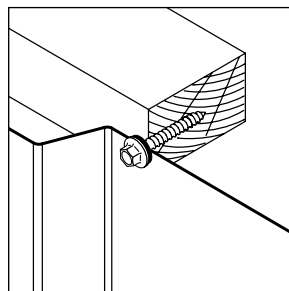
Panel to panel side lap, end lap  
and other stitch applications



5/16" Hex Washer Head  
Zinc Alloy Cap  
Thread Major Dia: .215 - .208  
Thread Minor Dia: .164 - .157  
**Strength (lbs ult.):**  
Tensile: 2100  
Torsional: 92 in-lbs min.  
Shear: 1800

**WoodMAC**  
**9–15 HWH Sharp Point**  
Assembled with EPDM washer  
Metal to wood

Drilling capacity: 24 ga (.024)  
Self-drills through the metal panel  
and taps into wood substrate.  
Min penetration in wood substrates  
should be no less than 1"



1/4" Cupped Stainless Capped  
Thread Major Dia: .181 - .175  
Thread Minor Dia: .133 - .127  
**Strength (lbs ult.):**  
Tensile: 1500  
Torsional: 60 in-lbs min.  
Shear: 933

## Notes

Dimensions are nominal inches unless noted.

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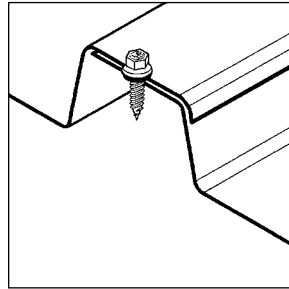
Woodgrip™ Capped Fasteners

WoodZAC® and WOODMAC™  
For metal to wood

Application

**WoodMAC Lap**  
**12 x 3/4" HWH Sharp Point**  
**Assembled EPDM washer**

Panel to panel side lap, end lap and other stitch applications



1/4" Cupped Stainless Capped Thread Major Dia: .215 – .208  
Thread Minor Dia: .164 – .157

**Strength (lbs ult.):**

Tensile: 2100

Torsional: 92 in-lbs min.

Shear: 1800

Performance Pounds Ultimate

Pull-out (lbs ult.) Wood: Spruce, Pine, Fir			Pull-over
<b>#10 HiLo Woodgrip 5/16" ZAC Aluminum Bond Seal</b>			
1-1/2" Penetration	820		29 ga: 577
1" Penetration	524		26 ga: 637
			24 ga: 800
<b>#9 Woodgrip 1/4" MAC EPDM Washer</b>			
1-1/2" Penetration	748		29 ga: 380
1" Penetration	542		26 ga: 500
			24 ga: 710
Pull-out (lbs ult.)		Strip Out* (in lbs)	Pull-over
<b>#12 WoodZAC XG EPDM Washer</b>			
SPF 1-1/2" Penetration	874	79	29 ga (110 ksi): 577
SPF 1" Penetration	571	68	26 ga (70 ksi): 637
1 x 4" Pine	590	51	24 ga (70 ksi): 800
3/4" Plywood	587	65	
5/8" Plywood	446	42	
1/2" Plywood	384	53	
23/32" OSB	524	76	
19/32" OSB	456	64	

\* 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 stripout 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.

**Notes:** Woodgrip and WoodZAC pull out strength values may vary from tabulated loads depending upon specific wood density variations. Ultimate values listed are the result of laboratory testing. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

Fasteners installed in less than 1" of solid wood may have an increased potential for sealing or connection failure over time. This may be due to the fasteners being stripped out during installation and/or due to the lack of adequate wood fiber material to hold the fastener in place during thermal movement cycles or other forces which may be exerted upon the connection.

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## Selection

Size	HiLo WoodZAC	WoodZAC XG	WoodZAC Lap	WoodMAC	WoodMAC Lap
1"	A1066-DNF	A1807-FCF	—	C0168-CAF	—
1-1/2"	A1071-DNF	A1842-FCF	—	C0268-CAF	—
2"	A1076-DNF	A1852-FCF	—	C0388-CAF	—
2-1/2"	A1081-DNF	A1857-FCF	—	C0468-CAF	—
3"	A1086-DNF	A1862-FCF	—	C0488-CAF	—
12 x 3/4" ZAC (5/16" HWH)	—	—	A1705-FLF	—	—
12 x 3/4" MAC (1/4" HWH)	—	—	—	—	A1708-EYF

## Installation

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

## Options

VistaCoat™



Painted

