STAINLESS

WoodZip-SS Full 304 Stainless Steel

The WoodZip-SS is the answer for installation of metal roofing panels within 3000 lnft of saltwater or other corrosive environments. The full corrosion protection provided by 304 stainless steel requires panels to be pre-drilled prior to fastener installation. This extra labor cost pays off in providing a fastener that is corrosion resistant both above and below the panel surface. Available with full DMG85 coating in silver or head painted to match popular panel colors.

Available in
#9 x 1", 1-1/2" , and 2"
#14 x 1-1/2" & 2-1/2"

Pull out Substrate	Pull out Ult. Value
19/32" OSB	276 lbs
1/2" Plywood	326 lbs
5/8" Plywood	498 lbs

Why choose Stainless

- For applications within 3000 lnft of saltwater
- For top corrosion protection
- For installation of aluminum and copper panels
- For installations close to corrosive chemicals
- For pressure treated lumber substrates

BI-Metal 304 Stainless Steel

The Bi-Metal SS line of fasteners feature full 304 Stainless steel head and body with a fused Bi-Metal carbon steel tip. This technology allows quick and easy self tapping of metal panel without the need for panel predrill. This screw is the answer for installation of metal roofing panels within 3000 lnft of saltwater or other corrosive environments. It is also the suggested fastener for aluminum panel installations or for use with pressure treated wood substrates.
Available painted to match panel colors.
Available in #9-15 x 1", 1-1/2" , and 2" lengths

This fastener is for you if you want the protection of full 304SS but don't want to pre-drill.

Now available in hex or low profile torx drive shown here.

Selecting a MTW fastener

The main component holding down your metal panel is your fastener and not all fasteners are created equal. Selecting the appropriate fastener for your metal to wood panel application is important. DMI offers multiple choices that differ in strength, size, price and corrosion resistance.

When specifying a fastener, important factors to consider: What is the substrate? What is the attachment material? What is the environment? What does the budget allow? Ask questions such as: Is this installation close to water or corrosive chemicals such as chlorine? Will this be installed into pressure treated lumber? Will the customer be installing a steel or aluminum panel? What does the customer expect for longevity or corrosion free performance? What is the time frame in which we need to deliver the material? These are all important questions to ask to determine which panel fastener to offer.

Quick guidelines:
Use full 304 Stainless steel fasteners or DMI Bi-Metal fasteners for applications:

- Within 3000 lnft of saltwater or other corrosives
- Applications into pressure treated lumber
- Installation of aluminum or copper panels

For applications in coastal cities consider premium fasteners such as S.C.A.M.P. stainless steel cap or WoodZAC that have warranties that match or exceed your panel warranty.

Installing a MTW fastener

Equally important to selecting the correct fastener is the use of proper installation procedures. The selection of the proper tool is important. Lightweight cordless impact drivers have become popular in construction. However they are not suitable for installation of metal roofing fasteners as they may overdrive, crack protective finishes, or damage washers. For metal to wood applications an electric screw driver with a maximum of 2,500 rpm and a depth sensing torque relief device is suggested. When installing 304, 305 and 316 Stainless steel fasteners, it is suggested to slow the speeds to 1000 rpm. Torque fasteners to approximately 70% of their torsional strength found on the product data sheet.

Drive fasteners perpendicular to the panel surface. Avoid over driving or under-driving fasteners taking care to properly seat washers against the panel surface.

If you are unsure of how to install our fasteners please call our office at 855-800-8878 for a printed guide.

D.M.I. Products are Distributed by:

DMI
DIRECT METALS INC.

Fastener selection guide for through panel into wood substrate

GOOD

The #10 WoodZip TP-17 is our entry level fastener for post frame construction and metal roofing attachment. WoodZip features a Metal to Wood TP-17 point that reduces penetration shavings, a Full DMG85 B117 1000 hr coating for corrosion resistance and a thicker compliant EPDM bonded sealing washer. The WoodZip carries no warranty.
1", 1-1/2", 2", 2-1/2", 3" and 4" lengths.

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Pull out Substrate	Pull out Ult. Value
1" x 4" Pine	999 lbs
1/2" Plywood	412 lbs
7/16 0.5" OSB	192 lbs

Why choose WoodZip?

- Immediate availability in Midwest and Southeast
- Fully coated fastener for corrosion protection that meets Florida Building Code 1506.6 standard
- Higher quality alternative to Chinese imports
- Miami-Dade Product Listing

Direct*Seal ST

The Direct*Seal ST fastener with M-Bit features a micro-bit point that reduces metal pig-tails. Installers prefer the new M-Bit technology in 29ga steel panel installations and multi-thickness panel laps. Galvanized for corrosion protection. The Direct*Seal ST has no warranty. Available in 1", 1-1/2", 2", 2-1/2", and 3" lengths.

Pull out Substrate	Pull out Ult. Value
2" x 4" Pine	713 lbs
1/2" Plywood	368 lbs
7/16 (0.5")OSB	210 lbs

Why choose Direct*Seal ST?

- Immediate availability in Midwest and Northeast
- Durable powder coated head paint
- Micro-Bit performance and Direct*Seal thread
- Hard vulcanized E.P.D.M. sealing washer

BETTER

The #10 WoodZip S.C.A.M.P. features a 304 Stainless steel capped head that encapsulates a washer which provides a positive seal against metal roofing panels. The 304 Stainless head provides superior corrosion protection on the exterior side of the roofing panel. A TP-17 cut point reduces penetration shavings. S.C.A.M.P. are available painted to complement popular metal panel colors.
#10 x 1", 1-1/2", 2", 2-1/2", and 3" lengths.

Pull out Substrate	Pull out Ult Value
7/16 0.5" OSB	192 lbs
1/2" Plywood	412 lbs
3/4" Plywood	587 lbs

Why choose the S.C.A.M.P. ?

- Exterior corrosion protection of Stainless steel without the cost and pre-drill requirements of full 304 Stainless steel fasteners
- Corrosion warranty to complement metal panel warranties
- Installations in corrosive areas with full sun exposure such as coastal areas / cities.

#12 S.C.A.M.P.

The #12 WoodZip S.C.A.M.P. features a 304 Stainless steel capped head that encapsulates a bonded EPDM washer to provide years of corrosion free performance on the exposed side of the panel. The bonded washer helps to reduce washer spin-out to ensure a positive seal when installed on top of panel high ribs. The #12 diameter provides higher holding power than competing #10 fasteners and can be suitable for direct replacement of #9 and #10 fasteners.

304 Stainless Steel head provides years of corrosion and stain free performance.

Now available in 1-1/2" and 2"

NEW #12 S.C.A.M.P.

BEST

The original #10 WoodZAC is our most popular metal roofing fastener thanks to its 25 year+ reputation for performance in harsh climates. The WoodZAC is covered by a lifetime limited warranty against structural failure due to red rust on the head of the fastener. Referred to as "the 5V screw", installers prefer the ZAC 5/16" drive cupped encapsulating head and bonded washer designed to prevent spit-out during installation. Available in #10 x 1", 1-1/2", 2", 2-1/2", and 3" lengths.

Also available in #9, #12, #14 and #17 diameters.

Pull out Substrate	Pull out #10 / #12 Ult. Value
2" x 4" Pine	727/874 lbs
1/2" Plywood	324/384 lbs
3/4" Plywood	258/458 lbs

Why choose WoodZAC

- Lifetime Warranty against red rust
- Protected / encapsulated bonded washer
- Immediate availability of colors and sizes
- 25 Year + proven in the field performance
- For 5V Crimp installations in coastal areas
- Stable and quick driving performance

Direct*Seal ZXL

The Direct*Seal ZXL takes the drill performance technology from the Direct*Seal ST fastener and adds the corrosion protection of a molded 5/16" drive Zinc Alloy head. This Zinc Alloy head has a 40 year warranty against red rust. The ZXL head encapsulates an EPDM seal washer that performs even when installed on an angle. Ready to ship in 1", 1-1/2", and 2" lengths in a full range of powder coated metal roofing panel colors.

Which customers choose Direct*Seal ZXL?

Customers in the Midwest and Northeast that need immediate availability of painted long life fasteners.

Customers looking for the Micro-Bit performance but want a fastener with a 40 year warranty against rust.