

- ZAC: the most widely used zinc aluminum capped fastener in the industry.
- Precision cold forged assuring superior point strength and the fastest drilling time performance through high strength steel and nested purlins.

- Integral cupped Hex Washer Head can never red rust.
- Designed and engineered to have low driving and thread engagement torque while providing maximum clamp load.

Application

1/4-14 ZAC Impax SD2

Assembled EPDM Washer

Metal to metal

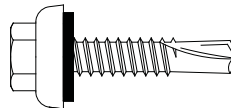
Drilling capacity:

#2 point: .050 – .150"

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Min projection: 3/16" of threads below substrate.

1/4 - 14 x 1-1/2"



#2 – 3/8" AF Hex Washer Head
Head Dia: .650"
Thread Major Dia: .246 – .240
Thread Minor Dia: .192 – .185

Strength (lbs ult.):

Tensile: 3800
Torsional: 150 in-lbs
Shear: 2850

#2 Point Pull-out (lbs ult.):

12 ga (.105): 2088
14 ga (.075): 1312
16 ga (.060): 903

Pull-over with assembled seal washer (lbs ult.):

22 ga (.030): 1079
24 ga (.024): 884
26 ga (.018): 616

Test Data provided by SFS.
Above listed test values are
for screws only.

Used with:

[\(Click on name for additional info\)](#)

S-5!® SolarFoot™

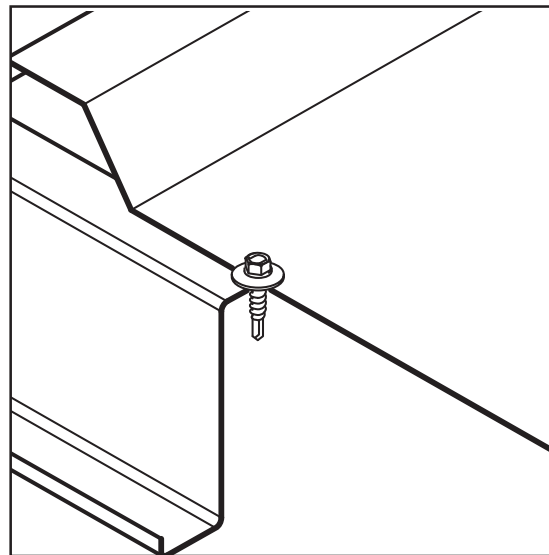
S-5!® VersaBracket™

S-5!® CorruBracket™

S-5!® VersaGard™

LMCurbs® IDS™

LMCurbs® IDS-XL™



Additional assembly testing
has been performed.
Results vary per product.



Installation

Tools: **0 – 2000 rpm** screw gun equipped with depth sensing nose piece. Use of impact guns or hammer drills is not recommended.

Notes

Dimensions are nominal inches unless noted. Self-drill pull-out values (pounds ultimate) are based on 57,000 psi hot rolled steel material. Lap self-drill pull-out values are based on 40,000 psi AZ55 Galvalume steel sheet material. Ultimate values listed are the result of laboratory testing (5083.14). The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners #12 fasteners 1" and longer have special long pilot lengths to accommodate nested purlins.