

MAC™ Impax™ — 300 Series Stainless Capped

MAC stainless capped drill screws *For metal to metal*

- MAC has a 300 series stainless steel capped, integral capped Hex Washer Head configuration that can never red rust.
- Assembled with EPDM washer
- Designed and engineered to have low driving and thread engagement torque and provide maximum clamp load.

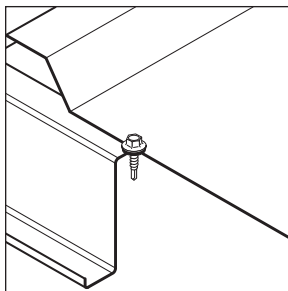
Application

12-14 MAC Impax SD3 Assembled EPDM washer Metal to metal

Drilling capacity: .035 – .210"

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total, as in overlapped or nested purlin construction.

Min projection: 3/16" of threads below substrate



5/16" AF Stainless Capped Hex Washer Head
Thread Major Dia: .215 – .209
Thread Minor Dia: .164 – .157

Strength (lbs ult.):

Tensile: 2900
Torsional: 92 in-lbs
Shear: 2050

Pull-out (lbs ult.):

12 ga (.105): 1524
14 ga (.075): 901
16 ga (.060): 665

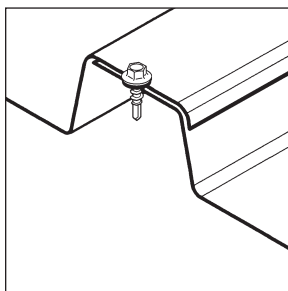
Pull-over (lbs ult.):

22 ga (.030): 1298
24 ga (.024): 1102
26 ga (.018): 692

1/4-14 MAC Impax Lap Assembled EPDM washer Panel to panel side lap

Drilling capacity: .030 – .095"

Some applications may require attaching light gage (24 – 26 ga) to sub-structural member. Composite thickness should not exceed .095" thickness.



5/16" AF Stainless Capped Hex Washer Head
Thread Major Dia: .246 – .240
Thread Minor Dia: .192 – .185

Strength (lbs ult.):

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

Pull-out (lbs ult.):

22 ga (.030): 379
24 ga (.024): 304
26 ga (.018): 204

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.

Selection

		Example Code				
		MSD3-	#12x	1-1/2-	HW5/16-	N
Description	Available Lengths (L)	Type	Diameter	Length	Head Style	Washer
#12-14 MAC Impax SD3 EPDM washer	1", 1-1/4", 1-1/2"	MSD3-	#12x	L-	HW5/16-	N
1/4-14 MAC Impax Lap EPDM washer	7/8"	MSDL-	#14x	L-	HW5/16-	N

Installation

Tools: 0 – 2000 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Options

Painted

