

ZAC®
Tapping Fasteners

ZAC self-tapping fasteners:
Type 17-AB milled point and Type AB
For metal to metal

- Integral cupped Hex Washer Head configuration can never red rust.
- Designed for attaching both metal to wood and metal to metal.

- Type 17 milled points do not require a pre-drilled hole when attaching 26 and 24 gage metal to wood.

Application

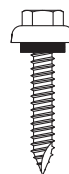
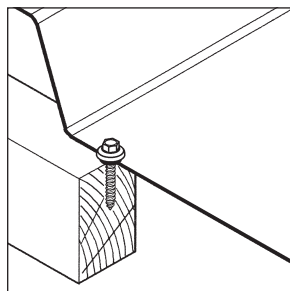
1/4 -14 ZAC Type AB Milled Point

Assembled EPDM washer
Metal to wood
Metal to metal

Self-Drilling Metal Thickness:
Sheet .018 – .030

Thickness is based on normal, single or multiple material thickness combined for total

Min depth penetration into the wood sub structure: 1"



3/8" AF Zinc Aluminum Capped 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

Pull-out (lbs ult.):

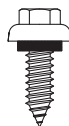
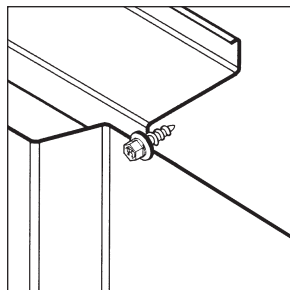
22 ga (.030): 379
24 ga (.024): 304
26 ga (.018): 204

#17 ZAC Type AB Strip-out Repair

Assembled EPDM washer
Metal to metal

Repair fastener for stripped out #14 Type A or 1/4" AB

Min projection: 3/8" of threads below substrate



3/8" AF Zinc Aluminum Capped Hex Washer Head
Head Dia: .650"
Thread Major Dia: .290 – .284
Thread Minor Dia: .220 – .214

Strength (lbs ult.):

Tensile: 5136
Torsional: 220 in-lbs
Shear: 4830

Pull-out (lbs ult.):

12 ga (.105): 1668
14 ga (.075): 986

Notes

Dimensions are nominal inches unless noted. When using Milled point fasteners for metal to metal see the tapping screw section for performance values. 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. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

Selection

Description	Available Lengths (L)	Example Code				
		Type	Diameter	Length	Head Style	Washer
1/4-14 ZAC Type AB CHWH EPDM washer	1", 1-1/2", 2", 2-1/2"	ZTABMP-	#14x	1-1/2-	CHW3/8-	N
#17 ZAC Type AB CHWH EPDM washer	1", 1-1/2"	ZTAB -	#17x	L-	CHW3/8-	N

Installation

Tools: Metal to metal application: 0 – 1000 rpm screw gun equipped with depth sensing nose piece.

Metal to wood application: 0 – 2500 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Options

Painted

