

## FEATURES AND BENEFITS

- Type AB fasteners are designed to attach long-life roof panels such as GALVALUME that are used in pre-engineered metal building application. Type A fasteners are designed for use in wood framed buildings.
- Fasteners are also used in retrofit applications in which existing screws have stripped/backed out & need to be replaced with a larger diameter.
- 5/16" Cupped HWH ZAMAC Zinc-Aluminum Alloy provides lifetime protection against red rust on the head & washer face. A written warranty is available upon request.
- The head & washer face captures the rubber EPDM washer even when driven at an angle & are designed to maximize Pull over strength.

**FOR PROPER INSTALLATION, THE USE OF IMPACT DRIVERS ARE NOT RECOMMENDED FOR POWDER COATED OR ANY WET PAINTED FASTENER.**

**PULLOUT & PULLOVER VALUES ARE DETERMINED IN THE ST FASTENING SYSTEMS ENGINEERING LABORATORY USING STEEL PANELS/FRAMING & WOOD DENSITIES WHOSE STRUCTURAL PROPERTIES ARE FOUND IN PRESENT DAY PRODUCTS.**

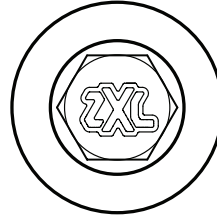
SIZE	CARTON QTY.	WEIGHT/M
1/4-14 x 3/4" AB	2000	18.2
1/4-14 x 1" AB	2000	19.6
1/4-14 x 1-1/4" AB	2000	21.0
17-14 x 1" AB	1500	23.0

PULL OUT STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
HRS PRIME ONLY 1/4-14	16	.060	1181
HRS PRIME ONLY 1/4-14	14	.075	1265
HRS PRIME ONLY 1/4-14	12	.105	2143
G-90 GALVANIZED 1/4-14	18	.048	1055
G-90 GALVANIZED 1/4-14	16	.060	1073
G-90 GALVANIZED 1/4-14	14	.075	1396
G-90 GALVANIZED 1/4-14	12	.105	1774
HRS PRIME ONLY 17-14	16	.060	1409
HRS PRIME ONLY 17-14	14	.075	1429
HRS PRIME ONLY 17-14	12	.105	2128
G-90 GALVANIZED 17-14	18	.048	1119

PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
1/4-14 ZXL (.630 DIA)	29	.014	886
1/4-14 ZXL (.630 DIA)	26	.018	1287
1/4-14 ZXL (.630 DIA)	24	.024	1572
1/4-14 ZXL (.630 DIA)	22	.030	2029
17-14 ZXL (.630 DIA)	29	.014	696
17-14 ZXL (.630 DIA)	26	.018	1101
17-14 ZXL (.630 DIA)	24	.024	1205
17-14 ZXL (.630 DIA)	22	.030	1446

- NOTES**
- HRS (Hot Rolled Steel)
  - Pull over values calculated with EPDM rubber washer assembled to cupped head screw with .630" washer face.
  - All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.
  - \*\* The value tabulated is the force at which the ZXL head breaks from the carbon steel body.

## ZXL™ TAPPING SteelBinder®



**40 YEAR  
WARRANTY  
LIFETIME**



**HEAD STYLE**  
5/16" CHWH AB  
**DRILL POINT**  
30° SHARP POINT  
45° SHARP POINT  
**MAJOR DIAMETER**

.246/.240  
.282/.273

**MINOR DIAMETER**  
.192/.185  
.220 NOM.

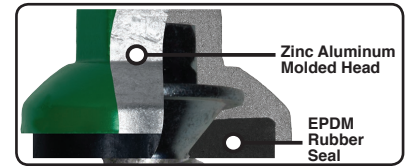
**WASHER FACE DIAMETER**  
.630  
.630

**HEAD ACROSS FLATS**  
NOM .312"  
NOM .312"

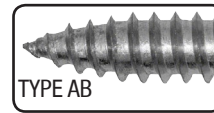
**ULT. TENSILE STRENGTH**  
2240 LBS.  
2240 LBS.

**MIN. TORSIONAL STRENGTH**  
150 IN-LBS.  
220 NOM.

**NOM. SHEAR STRENGTH**  
2850 LBS.  
3952 LBS.



The Zinc-Aluminum alloy HWH prevents red rust from ever starting. ST Fastening Systems spring retainer sockets are recommended. ST Fastening Systems sockets are designed to allow for the added thickness of the powder coat.



TYPE AB

The AB thread form is designed to provide maximum pull out strength in steel in a pre-drilled hole.



**No Red-Rust Guaranteed!**



SHARP POINT

**TBPE**  
Board Certified  
Engineering on Staff

ARCHITECTURAL  
SERIES

**ST**  
Fastening  
Systems