

## FEATURES AND BENEFITS

- Fastener is designed to attach long-life metal roof panels such as GALVALUME to structural steel joists up to .500" thick.
- 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 structural steel applications, a screwgun with RPM under 2000 is recommended for best performance.

**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.**

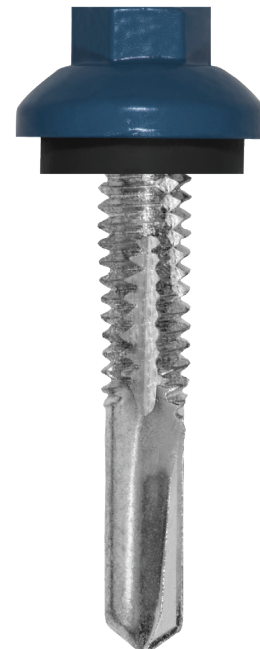
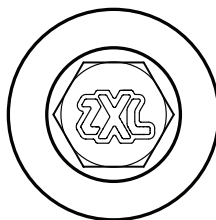
SIZE	CARTON QTY.	WEIGHT/M
12-24 x 1-1/4"	2000	25.8

PULL OUT STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
HRS PRIMED ONLY	14	.075	924
HRS PRIMED ONLY	12	.105	1627
HRS PLATE	3/16"	.187	2240
HRS PLATE	1/4"	.250	2240

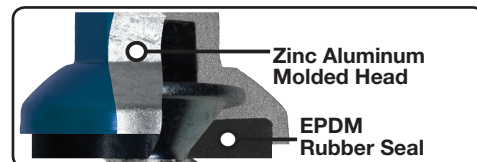
PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
AZ55 Galvalume	29	.014	637
AZ55 Galvalume	26	.018	1045
AZ55 Galvalume	24	.024	1303
AZ55 Galvalume	22	.030	1958

- NOTES**
1. HRS (Hot Rolled Steel)
  2. Pull over values calculated with EPDM rubber washer assembled to cupped head screw with .555" washer face.
  3. All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.
  4. \*\* The value tabulated is the force at which the ZXL head breaks from the carbon steel body.

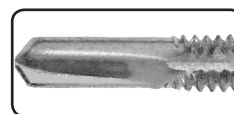
## ZXL™ HG™ SteelBinder®



**HEAD STYLE**  
5/16" CHWH  
**POINT DIAMETER**  
.199/.195  
**MAJOR DIAMETER**  
.215/.209  
**MINOR DIAMETER**  
.164 REF.  
**WASHER FACE DIAMETER**  
.630  
**HEAD ACROSS FLATS**  
NOM .312"  
**NOM. TENSILE STRENGTH**  
2240\*\* LBS.  
**MIN. TORSIONAL STRENGTH**  
100 IN-LBS.  
**NOM. SHEAR STRENGTH**  
1999 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.



Sharp drill point & long flute length assures proper clearance of heavy gauge metal before any thread engagement begins.



**No Red-Rust Guaranteed!**



**SELF DRILL POINT**

## APPLICATIONS

