

FEATURES AND BENEFITS

- Fastener designed to attach long-life metal roof panels such as GALVALUME that are used in pre-engineered metal building applications.
- 5/16" Cupped HWH ZAMAC Zinc-Aluminum Alloy provides lifetime protection against red rust on the head. You may obtain a free copy of the written warranty upon request.
- Washer face design helps to capture rubber EPDM washer even when driven at an angle.
- #12 & 1/4" diameter drill point easily penetrates steel thickness up to .210" with no "point walking". 1/4" Diameter Stitch securely fastens 2 layers of 26 GA with no strip-out.
- Head & washer face 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.

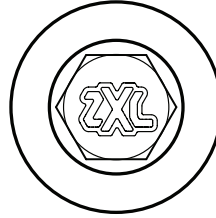
SIZE	CARTON QTY.	WEIGHT/M
12-14 x 1"	2000	16.9
12-14 x 1-1/4"	2000	18.8
12-14 x 1-1/2"	2000	22.0
12-14 x 2"	1500	23.1
12-14 x 3"	1000	31.0
1/4-14 x 1-1/4"	1500	24.1
14 x 7/8" Stitch	2000	17.2

PULL OUT STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
HRS Primed Only #12	16	.060	927
HRS Primed Only #12	14	.075	958
HRS Primed Only #12	12	.105	1678
AZ55 Galvalume 1/4"	26	.018	342
AZ55 Galvalume 1/4"	24	.024	378
AZ55 Galvalume 1/4"	22	.030	418
AZ55 Galvalume 1/4"	18	.048	1038
G-90 Galvanized #12	20	.036	620
G-90 Galvanized #12	18	.048	729
G-90 Galvanized #12	16	.060	787
G-90 Galvanized #12	14	.075	1041
G-90 Galvanized #12	12	.105	1372

PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
AZ55 Galvalume #12	29	.014	803
AZ55 Galvalume #12	26	.018	1091
AZ55 Galvalume #12	24	.024	1393
AZ55 Galvalume #12	22	.030	2159
AZ55 Galvalume 1/4"	29	.014	813
AZ55 Galvalume 1/4"	26	.018	1436
AZ55 Galvalume 1/4"	24	.024	1601
AZ55 Galvalume 1/4"	22	.030	2037

- NOTES**
1. HRS (Hot Rolled Steel)
 2. Pull over values calculated with EPDM rubber washer assembled to cupped head screw with .630" washer face.
 3. All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.
 4. ** Nominal tensile strength value calculated at the point where the ZXL head breaks from the carbon steel body.

ZXL™ SteelBinder®



HEAD STYLE
5/16" CHWH**

POINT DIAMETER
.181/.177
.156/.150 STITCH

MAJOR DIAMETER
.215/.209
.246/.240 STITCH

MINOR DIAMETER
.164/.157
.192/.185 STITCH

WASHER FACE DIAMETER
.630
.630 STITCH

HEAD ACROSS FLATS
NOM .312"
NOM .312"

NOM. TENSILE STRENGTH
2240** LBS.
2240** LBS. STITCH

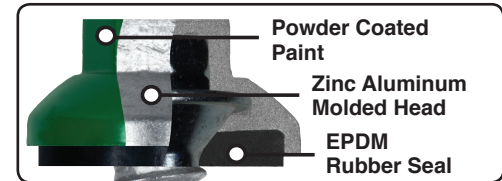
MIN. TORSIONAL STRENGTH
92 IN-LBS.
150 IN-LBS. STITCH

NOM. SHEAR STRENGTH
1962 LBS.
2850 LBS. STITCH

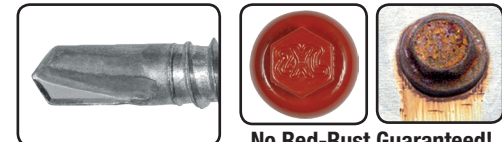
**CHWH-CUPPED HEX WASHER HEAD



SELF DRILL POINT



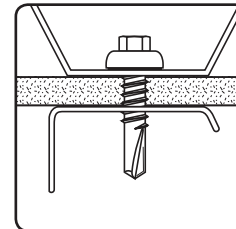
The Zinc-Aluminum alloy HWH prevents red rust from ever starting. ST Fastening Systems spring retainer sockets are recommended. ST Fastening Systems sockets are designed to allow for the added thickness of the powder coat.



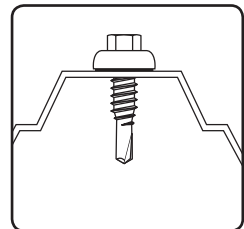
No Red-Rust Guaranteed!

Drill point is designed to penetrate steel quickly with no "point walking"

APPLICATIONS



Purlin Screw



Stitch Screw



ARCHITECTURAL
SERIES

