

# Technical Information

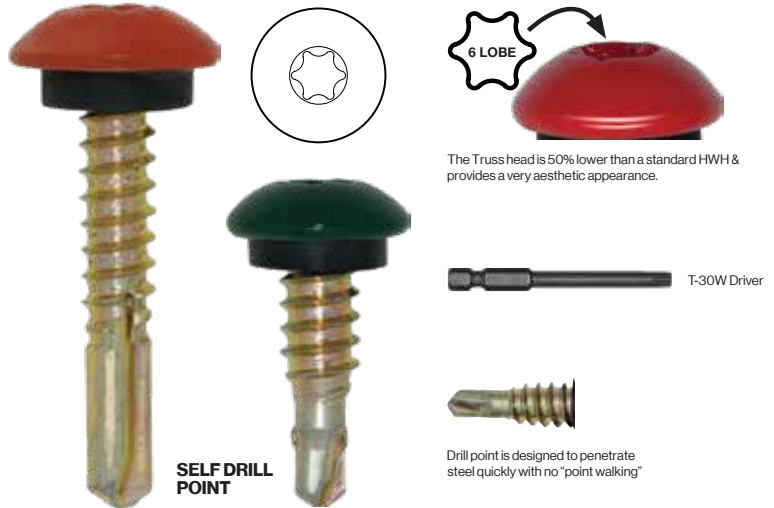
## ECLIPSE™ SteelBinder®

### Features and Benefits

- Truss Head with 6-lobe recess driver provides an aesthetic, low-profile appearance on sidewall metal applications installed into metal girts.
- Self-drilling point penetrates steel thickness up to .210".
- Undercut EPDM rubber washer provides a secure seal even when driven at an angle.
- T-30W driver is designed to fit securely into the 6-lobe recess to prevent bit "cam-out."

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

PULL OUT & PULL OVER 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 3/4"	2500	10.7
12-14 x 1-1/4"	2500	14.1
1/4" - 14 x 7/8" STITCH	2500	13.0

#### PULL OVER 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
G-90 Galvanized 1/4"	18	.048	1038
G-90 Galvanized #12	20	.036	620
G-90 Galvanized 1/4"	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	687
AZ55 Galvalume #12	26	.018	1090
AZ55 Galvalume #12	24	.024	1299
AZ55 Galvalume #12	22	.030	1562
AZ55 Galvalume 1/4"	29	.014	746
AZ55 Galvalume 1/4"	26	.018	960
AZ55 Galvalume 1/4"	24	.024	1261
AZ55 Galvalume 1/4"	22	.030	1376

#### NOTES

1. HRS (Hot Rolled Steel)
2. Pull over values calculated with EPDM rubber washer assembled to cupped head screw with .544" washer face.
3. All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.

#### HEAD STYLE

TRUSS

#### POINT DIAMETER

.180/.175  
.156/.150 STITCH

#### MAJOR DIAMETER

.215/.209  
.246/.240 STITCH

#### MINOR DIAMETER

.164/.157  
.192/.185 STITCH

#### WASHER FACE DIAMETER

.544 T-30 6-LOBE TRUSS  
.533/.551 6-LOBE TRUSS

#### HEAD ACROSS FLATS

NOM .312"  
NOM .312"

#### ULT. TENSILE STRENGTH

2900 LBS.  
3800 LBS.

#### MIN. TORSIONAL STRENGTH

92 IN-LBS.  
150 IN-LBS. STITCH

#### NOM. SHEAR STRENGTH

1962 LBS.  
2850 LBS. STITCH

### Applications

