

ECLIPSE SteelBinder®



- 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

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
12-14" x 3/4"	TRUSS	2500	10.7
12-14" x 1-1/4"	TRUSS	2500	14.1
1/4"-14" x 7/8" STITCH	TRUSS	2500	13.0

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.

TECHNICAL INFORMATION	DRILL POINT (DIA)	MAJOR DIAMETER	MINOR DIAMETER	WASHER FACE DIAMETER	NOM. TENSILE STRENGTH	ULT. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#12	.180/.175	.215/.209	.164/.157	.544 T-30 6-Lobe Truss	2900 LBS.	92 IN-LBS.	1962 LBS.
#14	.156/.150	.246/.240	.192/.185	.533/.551 T-30 6-Lobe Truss	3800 LBS.	150 IN-LBS.	2850 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	NOM. GAUGE	MATERIAL													
		HRS PRIMED ONLY				AZ55 GALVALUME				G-90 GALVANIZED				HRS. PLATE	
		16	14	12	26	24	22	18	20	18	16	14	12	3/16"	1/4"
#12	THICKNESS	.060	.075	.105	.018	.024	.030	.048	.036	.048	.060	.075	.105	.187	.250
		927	958	1678	N/A	N/A	N/A	N/A	N/A	729	787	1041	1372	N/A	N/A
#14		N/A	N/A	N/A	342	378	418	1038	620	1038	N/A	N/A	N/A	N/A	N/A

PULL OVER STRENGTH VALUE (LBS. ULT.)	DESIGNATION	MATERIAL						
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL
		NOM. GAUGE	29	26	24	22	20	21
#12	THICKNESS	.014	.018	.024	.030	.036	.028	.014
#12		687	1090	1299	1562	N/A	N/A	N/A
#14		746	960	1261	1376	N/A	N/A	N/A



The Truss head is 50% lower than a standard HWH & provides a very aesthetic appearance.

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

- 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, expressed in LBS. Apply an appropriate safety factor to obtain design limits

HWH SteelBinder®



- Self-drilling screws that are designed for general construction applications.
- Drill points are designed to penetrate a wide variety of metal thicknesses.
- Applications include HVAC, roof deck to steel framing, and roof clips to steel framing.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
8-18 x 1/2"	1/4" HWH	10000	3.6
8-18x5/8" w/Nibbs	1/4" HWH	10000	4.0
10-16 x 5/8"	5/16" HWH	5000	5.7
10-16 x 3/4"	5/16" HWH	2500	6.3
10-16 x 1"	5/16" HWH	2500	7.6
12-14 x 3/4"	5/16" HWH	2500	8.4
12-14 x 1"	5/16" HWH	2500	10.0
12-14 x 1-1/4"	5/16" HWH	2500	11.8
12-14 x 1-1/2"	5/16" HWH	2000	13.3
12-14 x 2"	5/16" HWH	1500	16.7
12-14 x 2-1/2"	5/16" HWH	1500	21.4
12-14 x 3"	5/16" HWH	1000	25.0

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
1/4-14x7/8" Stitch	5/16" HWH	2500	8.8
1/4-14 x 3/4"	3/8" HWH	2500	12.5
1/4-14 x 1"	3/8" HWH	2500	15.2
1/4-14 x 1-1/4"	3/8" HWH	2000	17.5
1/4-14 x 1-1/2"	3/8" HWH	1500	19.6
1/4-14 x 2"	3/8" HWH	1000	23.8
1/4-14 x 2-1/2"	3/8" HWH	1000	30.0
1/4-14 x 3"	3/8" HWH	1000	33.2
1/4-14 x 4"	3/8" HWH	500	41.9
1/4-14 x 5"	3/8" HWH	500	50.7
1/4-14 x 6"	3/8" HWH	250	53.0

TECHNICAL INFORMATION	DRILL POINT (DIA)	MAJOR DIAMETER	MINOR DIAMETER	WASHER FACE DIAMETER	HEAD ACROSS FLATS	NOM. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#1/4-14 (3/8" AF)	.216/.210	.246/.240	.192/.185	.520/.480	NOM .375"	3697 LBS.	150 IN-LBS.	2682 LBS.
#12-14 (5/16" AF)	.180/.175	.215/.209	.164/.157	.432/.398	NOM .312"	2900 LBS.	92 IN-LBS.	1962 LBS.
#1/4-14 (5/16" AF)	.156/.150	.246/.240	.192/.185	.432/.398	NOM .312"	3697 LBS.	150 IN-LBS.	2682 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	NOM. GAUGE	MATERIAL													
		HRS PRIMED ONLY				AZ55 GALVALUME				G-90 GALVANIZED				HRS. PLATE	
		16	14	12	26	24	22	18	20	18	16	14	12	3/16"	1/4"
#14-14 (3/8" AF)	THICKNESS	.060	.075	.105	.018	.024	.030	.048	.036	.048	.060	.075	.105	.187	.250
#14-14 (3/8" AF)		986	1070	2003	342	418	486	1038	620	868	890	1107	1327	N/A	N/A
#12-14 (5/16" AF)		927	958	1678	N/A	N/A	N/A	N/A	N/A	729	787	1041	1372	N/A	N/A
#14-14 (5/16" AF)		986	1070	2003	342	418	486	1038	620	868	890	1107	1327	N/A	N/A

PULL OVER STRENGTH VALUE (LBS. ULT.)	DESIGNATION	MATERIAL						
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL
		NOM. GAUGE	29	26	24	22	20	21
#14-14 (3/8" AF) BONDED WASHER (16mm)	THICKNESS	.014	.018	.024	.030	.036	.028	.014
#14-14 (3/8" AF) BONDED WASHER (16mm)		N/A	1001	1206	1649	N/A	N/A	N/A
#12-14 (5/16" AF) BONDED WASHER (14mm)		N/A	780	1078	1355	1608	N/A	N/A
#14-14 (5/16" AF) STITCH BONDED WASHER (14mm)		N/A	892	1076	1243	1916	N/A	N/A

#10 and 1/4" HWH are available with or without a bonded sealing washer. The #12 HWH is available only without a sealing washer. The #12 MAXX™ Steelbinder fastener is available for applications requiring a washer.

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