

Eclipse Head Low Profile Fasteners



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.

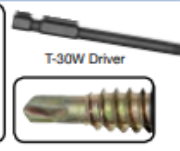
TECHNICAL INFORMATION	DRILL POINT (DIA)	MAJOR DIAMETER	MINOR DIAMETER	WASHER FACE DIAMETER	NOM. TENSILE STRENGTH	ULT. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#12	.180/.175	.215/.209	.164/.157	.544 T-30 6-Lobe Truss	2900 LBS.	92 IN.-LBS.	1962 LBS.
#14	.156/.150	.246/.240	.192/.185	.533/551 T-30 6-Lobe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

PULL OUT STRENGTH VALUE (LBS. ULT.)	NOM. GAUGE THICKNESS	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	.060	.075	.105	.018	.024	.030	.048	.036	.048	.060	.075	.105	.187	.250		
#14	N/A	N/A	N/A	N/A	342	378	418	1038	620	1038	N/A	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	
		29	26	24	22	20	21	29	
#12		.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

ECLIPSE WoodBinder®



- Round head with 6-lobe recess driver provides an aesthetic, low-profile appearance on sidewall metal applications installed into wood girts.
- Micro-Bit™ point quickly penetrates steel siding and eliminates metal shaving that can embed themselves in the rubber washer.
- Undercut EPDM rubber washer provides a secure seal even when driven at an angle.
- T-25-W driver specially designed to fit securely in the 6-lobe recess with no cam-out or paint damage.

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 & BASED UPON WOOD DENSITIES FOUND IN PRESENT DAY WOOD PRODUCTS.



SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1"	TRUSS	3000	8.0
10 x 1-1/2"	TRUSS	2500	10.1
10 x 2"	TRUSS	2000	12.2
10 x 2-1/2"	TRUSS	1500	15.4
10 x 3"	TRUSS	1000	17.2

ROLLING CHANGE

The new Micro-Bit will completely replace the Type 17 sharp point as current inventories are depleted. Sizes listed in GREEN will continue to be sharp points, as inventory levels of those turn over at a slower rate.

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#10	MICRO-BIT	.206/.200	.126/.122	.500	N/A	2023 LBS.	75 IN.-LBS.	1653 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	NOM. GAUGE THICKNESS	SUBSTRATE															
		MATERIAL				(1) 1" PENETRATION (2) 1 1/2" PENETRATION				(3) FULL PENETRATION (4) 1/2" PENETRATION							
		HRS PRIMED ONLY				3/4" PLY		5/8" PLY		1/2" PLY		7/16" OSB		2X Y.PINE		2X SPF	
#10	N/A	N/A	N/A	536	N/A	420	N/A	379	N/A	190	N/A	929	N/A	N/A	640	N/A	N/A

PULL OVER STRENGTH VALUE (LBS. ULT.) (EPDM ONLY)	DESIGNATION	MATERIAL							
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL	
		29	26	24	22	20	21	29	
#10		.014	.018	.024	.030	.036	.028	.014	
#10 (EPDM WASHER ONLY)		688	879	N/A	N/A	N/A	N/A	N/A	



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



Micro-Bit point is designed to penetrate steel quickly with no "point walking"

T-25-W Driver

To find a distributor call 855-800-8878 or visit www.directmetalsinc.com