

ST-XL MB™ WoodBinder®

Features and Benefits

MB™ New Micro-Bit™ Engineering

- Designed as an alternative to the zinc-aluminum alloy head. It is also used to attach steel roofing used in post-frame & residential construction. The smaller cupped HWH provides an attractive low-profile appearance versus larger HWH fasteners.
- 304 Stainless Steel cap provides lifetime warranty against red rust on the head & washer. You may obtain a free copy of the written warranty upon request.
- ST-XL™ is an excellent choice for GALVALUME or other long-life metal roofs.
- The combination of a Micro-Bit™ drills 29 & 26 gauge consistently & eliminates the metal shavings that can embed themselves in the EPDM rubber washer.

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.

THE MB MICRO-BIT POINT MAY GENERATE SMALL METAL SHAVINGS UPON INSTALLATION. IT IS RECOMMENDED TO CLEAN/SWEEP THE METAL PANELS AFTER INSTALLATION TO PREVENT PREMATURE RUST SPECKS.

SIZE	CARTON QTY.	WEIGHT/M
9x1"	3000	9.0
9x1 1/2"	2500	11.9
9x2"	2000	14.0
9x2 1/2"	1500	16.0
9x3"	1000	18.4
12x3/4" Stitch	2500	16.0

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.

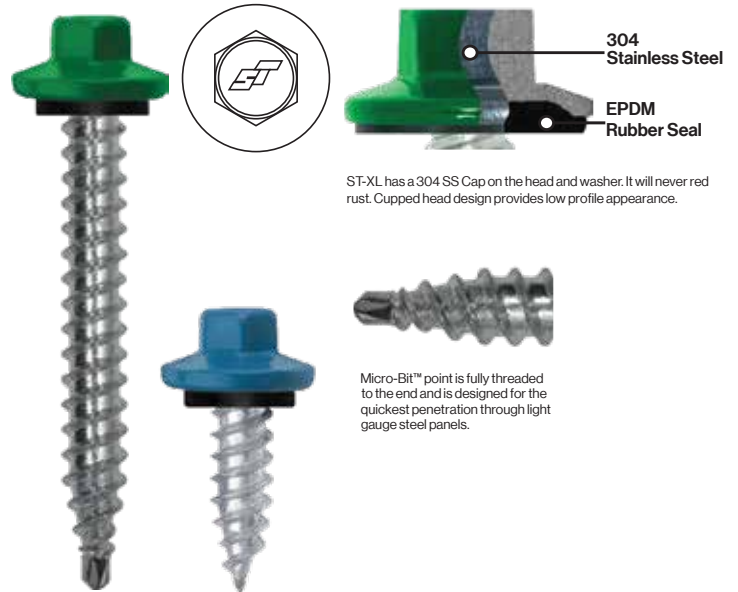
SUBSTRATE	PULL OUT STRENGTH		STITCH VALUE
	PENETRATION	VALUE	
3/4" PLY	FULL	688	N/A
3/4" PLY	1/2"	N/A	260
5/8" PLY	FULL	384	N/A
5/8" PLY	1/2"	N/A	233
1/2" PLY	FULL	242	N/A
1/2" PLY	1/2"	N/A	202
7/16" OSB	FULL	224	N/A
7/16" OSB	1/2"	N/A	164
2 X Y. PINE*	1"	852	N/A
2 X Y. PINE*	1 1/2"	1030	N/A
2 X Y. PINE*	1/2"	N/A	331
2 X SPF*	1"	604	N/A
2 X SPF*	1 1/2"	855	N/A
2 X SPF*	1/2"	N/A	237

* Y.PINE (Yellow Pine) * SPF (Spruce Pine Fir)

SUBSTRATE	PULL OVER STRENGTH			STITCH VALUE
	GAUGE	THICKNESS	VALUE	
AZ55 Galvalume	26	.018	726	629
AZ55 Galvalume	29	.014	573	378
AZ55 Galvalume	24	.024	869	721
Aluminum	21	.028	380	N/A

All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.

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ST-XL has a 304 SS Cap on the head and washer. It will never red rust. Cupped head design provides low profile appearance.

Micro-Bit™ point is fully threaded to the end and is designed for the quickest penetration through light gauge steel panels.

HEAD STYLE	1/4" CHWH*
DRILL POINT	MICRO-BIT TYPE 17 STITCH
MAJOR DIAMETER	.181/.178 .215/.209 STITCH
MINOR DIAMETER	.133/.127 .164/.158 STITCH
WASHER FACE DIAMETER	.500 .500 STITCH
HEAD ACROSS FLATS	NOM .250" NOM .250" STITCH
ULT. TENSILE STRENGTH	2100 LBS. 2900 LBS. STITCH
MIN. TORSIONAL STRENGTH	48 IN-LBS. 88 IN-LBS. STITCH
NOM. SHEAR STRENGTH	1800 LBS. 1962 LBS. STITCH

*CHWH-Cupped Hex Washer Head

Applications

