

FEATURES AND BENEFITS

MB™ Micro-Bit™ Engineering

- Designed to fasten steel roofing to wood purlins used in post-frame construction, plywood or OSB used in residential construction.
- 5/16" cupped HWH with a molded ZAMAC Zinc-Aluminum alloy provides lifetime protection against red rust on the head & washer. You may obtain a free copy of the written warranty upon request.
- ZXL™ is an excellent choice for GALVALUME & other long-life metal roof panels.
- Threads transition from fine to coarse to generate superior holding strength in various wood substrates.
- Micro-Bit™ point reduces metal shavings that can embed themselves in the rubber washer.

ALL UNPAINTED WOODBINDER MB FASTENERS COME STANDARD WITH DURASEAL® PLUS ENHANCED CORROSION RESISTANCE COATING

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 |
|------------------|-------------|----------|
| 10 x 1" | 3000 | 12.7 |
| 10 x 1 1/2" | 2500 | 14.7 |
| 10 x 2" | 2000 | 17.0 |
| 10 x 2 1/2" | 1500 | 19.2 |
| 10 x 3" | 1000 | 21.0 |
| 12 x 3/4" Stitch | 2500 | 9.0 |

| PULL OUT STRENGTH LBS. ULT. | | | |
|--------------------------------|-------------|------------------|-----------------|
| SUB-STRATE | PENETRATION | 10-16/8 VALUE | STITCH VALUE |
| 3/4" PLY | FULL | 636 | N/A |
| 5/8" PLY | FULL | 441 | N/A |
| 5/8" PLY | 1/2" | N/A | 297 |
| 1/2" PLY | FULL | 368 | N/A |
| 1/2" PLY | 1/2" | N/A | 329 |
| 7/16" OSB | FULL | 210 | N/A |
| 7/16" OSB | 1/2" | N/A | 217 |
| 2 X Y. PINE | 1" | 713 | N/A |
| 2 X Y. PINE | 1/2" | N/A | 495 |
| 2 X Y. PINE | 1 1/2" | 1526 | N/A |
| 2 X SPF | 1" | 466 | N/A |
| 2 X SPF | 1/2" | N/A | 162 |
| 2 X SPF | 1 1/2" | 1216 | N/A |

| PULL OVER STRENGTH LBS. ULT. | | | | |
|---------------------------------|-------|-----------|------------------|-----------------|
| SUBSTRATE | GAUGE | THICKNESS | 10-16/8 VALUE | STITCH VALUE |
| AZ55 Galvalume | 29 | .014 | 658 | 658 |
| AZ55 Galvalume | 26 | .018 | 927 | 927 |
| AZ55 Galvalume | 24 | .024 | 1035 | 1035 |
| AZ55 Galvalume | 22 | .030 | 1386 | 1386 |

- NOTES**
1. **CHWH-Cupped Hex Washer Head.
 2. *** Tabulated value is the force at which the ZXL head breaks from the carbon steel body.
 3. All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.

ZXL™ MB™ WoodBinder®



HEAD STYLE
5/16" CHWH**

DRILL POINT
MICRO-BIT™

MAJOR DIAMETER
.205/.191
.215/.209 STITCH

MINOR DIAMETER
.121/.116
.160/.153 STITCH

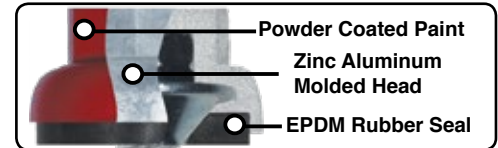
WASHER/HEAD DIAMETER
.500"

HEAD ACROSS FLATS
NOM .312"
NOM .312" STITCH

ULT. TENSILE STRENGTH
1575** LBS.
1575** LBS.* STITCH

MIN. TORSIONAL STRENGTH
60 IN.-LBS.
88 IN.-LBS. STITCH

NOM. SHEAR STRENGTH
1574 LBS.
1962 LBS. STITCH



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

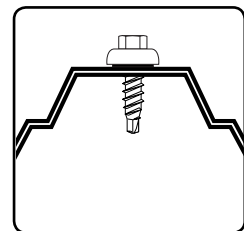
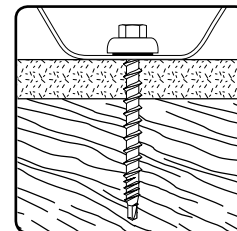


The combination of the Micro-Bit point & transition thread from fine to coarse generates superior drill speed in metal & holding strength in wood substrates.

No Red-Rust Guaranteed!



APPLICATIONS



**ARCHITECTURAL
S E R I E S**



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