

FEATURES AND BENEFITS

MB™ New Micro-Bit Engineering

- Next generation stainless steel Micro-Bit screw.
- Proprietary raw material & work hardening during the wire drawing & thread rolling process provides a hardened drill point.
- Drill point will penetrate 24 gauge high tensile steel quickly with no point walking.
- Cupped Head design provides an attractive finished appearance. There is no dissimilar aluminum washer assembled to the screw. It can be used in all treated wood substrates.
- Micro-Bit point reduces metal shavings that can embed themselves in the 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 |
|-------------|-------------|----------|
| 10 x 1" | 3000 | 8.0 |
| 10 x 1 1/2" | 2500 | 10.1 |
| 10 x 2" | 2000 | 12.2 |
| 10 x 2 1/2" | 1500 | 15.4 |
| 10 x 3" | 1000 | 17.2 |

NOTES: All strength values shown below are ultimate values, expressed in LBS. Apply an appropriate safety factor to obtain design limits.

| PULL OUT STRENGTH LBS. ULT. | | |
|--------------------------------|-------------|---------|
| SUBSTRATE | PENETRATION | VALUE |
| 3/4" PLY | FULL | 606 |
| 5/8" PLY | FULL | 460 |
| 1/2" PLY | FULL | 302 |
| 7/16" OSB | FULL | 198 |
| 2X Y.PINE | 1" | 771 |
| 2X Y.PINE | 1 1/2" | 1100 |
| 2X SYF | 1" | 660/900 |
| 2X SYF | 1 1/2" | 1286 |

| PULL OVER STRENGTH LBS. ULT. | | | |
|---------------------------------|-------|-----------|-------|
| SUBSTRATE | GAUGE | THICKNESS | VALUE |
| AZ55 Galvallume | 28 | .014 | 629 |
| AZ55 Galvallume | 26 | .018 | 802 |

HSS MB WoodBinder®

Stainless Steel



DRILL POINT
Micro-Bit™

MAJOR DIAMETER
.189/.183

MINOR DIAMETER
.122

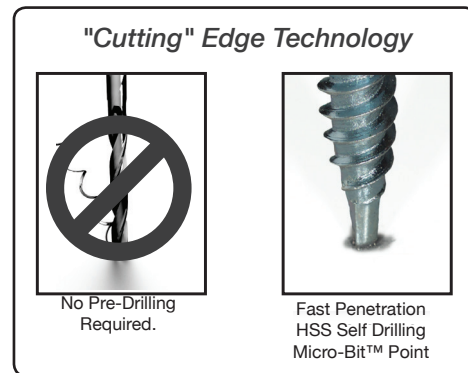
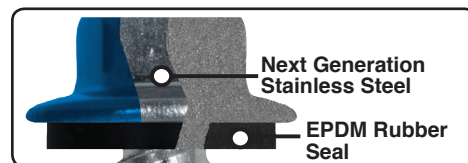
WASHER FACE DIAMETER
.465/.433

HEAD ACROSS FLATS
NOM 0.250"

ULT. TENSILE STRENGTH
2700 LBS.

MIN. TORSIONAL STRENGTH
56 IN-LBS.

NOM. SHEAR STRENGTH
2480 LBS.



MB™
Micro-Bit
Patent Pending



APPLICATIONS

