# **Technical Information**





### **Features and Benefits**

## **MB<sup>™</sup>** New Micro-Bit<sup>™</sup>Engineering

- Fastener designed to attach steel roofing & siding used in post-frame & residential metal roofing applications.
- Threads transition from fine to coarse to generate superior strength in various wood substrates
- Micro-Bit<sup>™</sup> point reduces metal shavings that can embed themselves in the rubber washer.
- EPDM rubber is vulcanized to a steel washer to form an excellent seal even when driven at an angle.

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	7.8
10 x 1 1/2"	2500	9.9
10 x 2"	2000	12.2
10 x 2 1/2"	1500	14.3
10 x 3"	1000	16.3
12 x 3/4" Stitch	2500	8.8

#### PULL OUT STRENGTH

	LBS. ULT.	10-16/8	STITCH		
SUBSTRATE	PENETRATION	VALUE	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*	11/2"	1526	N/A		
2 X Y. PINE*	1/2"	N/A	495		
2 X SPF*	1"	466	N/A		
2 X SPF*	11/2"	1216	N/A		
2 X SPF*	1/2"	N/A	162		
* Y.PINE (Yellow Pine) * SPF (Spruce Pine Fir)					

#### PULL OVER STRENGTH

SUBSTRATE	GAUGE	THICKNESS	10-16/8 VALUE	STITCH
AZ55 Galvalume*	29	.014	378	378
AZ55 Galvalume*	26	.018	629	629
AZ55 Galvalume*	24	.024	721	721

NOTES

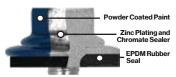
1. \*w/ 12mm bonded washer

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

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POWDERFUI



Hex Washer Head with EPDM rubber washer provides a watertight seal on roof applications. ST Fastening Systems sockets are designed to allow for the added thickness of the powder coat.





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

Available for powder coated fasteners.

1/4" HWH

MICRO-BIT™

.205/.191 .215/.209 STITCH

.121/.116 .160/.153 STITCH

.348/.322 .348/.322 STITCH

NOM .250 NOM .250 STITCH

1904 LBS. 2900 LBS. STITCH

56 IN.-LBS. 88 IN.-LBS. STITCH

1547 LBS. 1962 LBS. STITCH

### **Applications**

NOM, SHEAR STRENGTH

HEAD STYLE

DRILL POINT

MAJOR DIAMETER

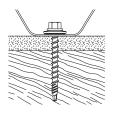
MINOR DIAMETER

WASHER/HEAD DIAMETER

HEAD ACROSS FLATS

ULT. TENSILE STRENGTH

MIN. TORSIONAL STRENGTH







### www.BriggsSteel.com

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