

# HOME TOWN METAL SUPPLY

573-431-5626

1500 East Main Street  
Leadington, MO 63601

www.steelroofsonhomes.com



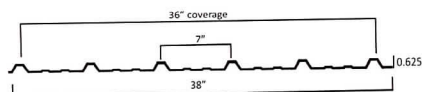
## .015 COLOR SELECTION

			
ALAMO WHITE SR.64 SRI 76	ARCTIC WHITE SR .71 SRI 86	ASH GRAY SR .47 SRI 53	BLACK SR .08 SRI 3
			
BROWN ST.27 SRI 26	BURGUNDY SR .26 SRI 24	BURNISHED SLATE SR .28 SRI 27	CHARCOAL GRAY SR .27 SRI26
			
BRITE RED SR .33 SRI 34	FOREST GREEN SR .25 SRI 23	EVERGREEN SR .34 SRI 35	IVORY SR .66 SRI 79
			
IVY GREEN ST .28 SRI 27	LIGHT STONE SR .50 SRI 57	OCEAN BLUE SR .25 SRI 24	RURAL RED SR .28 SRI 27
			
TAN ST .41 SRI 45	TAUPE SR .38 SRI 41	PEWTER GRAY SR .32 SRI 32	COPPER METALIC SR .45 SRI 50
			
GALLERY BLUE SR .27 SRI 26			

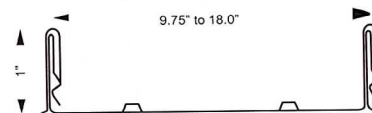
- Final Color selection should be made from actual color chips.
- Visit [www.unitedsteelsupply.com](http://www.unitedsteelsupply.com) for the most current information.
  - A 40-year limited paint warranty is available for all colors upon written request. Please inquire. (Outside the continental United States, please inquire.)
  - Solar Reflectivity (SR): Solar reflectivity or reflectance is the measure of a material's ability to reflect solar energy or sunlight from its surface. SR values are numbered 0 to 1.0. A value of 0 indicates that the surface absorbs all solar energy and a value of 1.0 indicates total reflectance. ENERGY STAR requires an SR value of 0.25 or higher for steep slope roofing (above 2:12) and an SR value of 0.65 or higher for low slope roofing (2:12 or less). For more information, please visit [www.energystar.gov](http://www.energystar.gov). Solar Reflectance Index (SRI):
  - The SRI is used to determine compliance with LEED requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. To meet LEED requirements, a roofing material must have an SRI of 29 or greater for steep slope roofing and an SRI value of 78 or higher for low slope roofing. For more information, visit [www.usgbc.org](http://www.usgbc.org).

## Panel Profiles

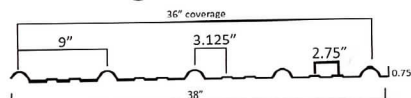
Pro 29 & 26 Ga



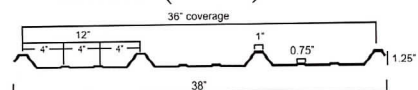
Standing Seam 29 & 26 Ga



Aug 29 & 26 Ga



R-Panel (Hi-Rib) 26 Ga



valspar



Call for your metal roofing, metal trim and roofing accessories.

Standard Color OFFERINGS

### 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 holding 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<sup>®</sup> 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.**

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

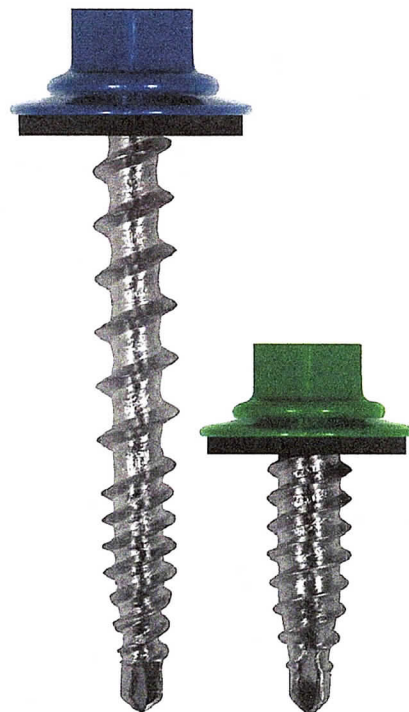
PULL OUT STRENGTH LBS. ULT.			
SUBSTRATE	PENETRATION	10-16/8 VALUE	STITCH VALUE
3/4" PLY	FULL	636	N/A
5/8" PLY	FULL	441	N/A
5/8" PLY	1/2"	N/A	297
1/2" PLY	FULL	368	N/A
1/2" PLY	1/2"	N/A	329
7/16" OSB	FULL	210	N/A
7/16" OSB	1/2"	N/A	217
2 X Y. PINE*	1"	713	N/A
2 X Y. PINE*	1 1/2"	1526	N/A
2 X Y. PINE*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

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

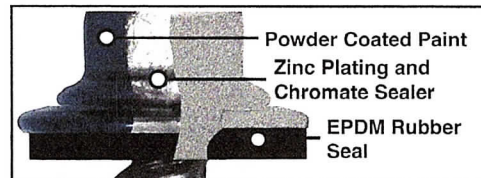
PULL OVER STRENGTH LBS. ULT.				
SUBSTRATE	GAUGE	THICKNESS	10-16/8 VALUE	STITCH VALUE
AZ55 Galvalume*	29	.014	378	378
AZ55 Galvalume*	26	.018	629	629
AZ55 Galvalume*	24	.024	721	721

- 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.

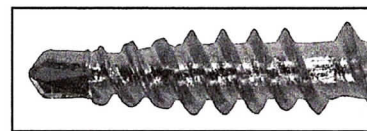
## KWIKSEAL<sup>®</sup> MB<sup>™</sup> WoodBinder<sup>®</sup>



**HEAD STYLE**  
1/4" HWH  
**DRILL POINT**  
MICRO-BIT<sup>™</sup>  
**MAJOR DIAMETER**  
.205/.191  
.215/.209 STITCH  
**MINOR DIAMETER**  
.121/.116  
.160/.153 STITCH  
**WASHER/HEAD DIAMETER**  
.348/.322  
.348/.322 STITCH  
**HEAD ACROSS FLATS**  
NOM .250  
NOM .250 STITCH  
**ULT. TENSILE STRENGTH**  
1904 LBS.  
2900 LBS. STITCH  
**MIN. TORSIONAL STRENGTH**  
56 IN.-LBS.  
88 IN.-LBS. STITCH  
**NOM. SHEAR STRENGTH**  
1547 LBS.  
1962 LBS. STITCH



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.



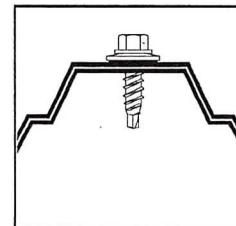
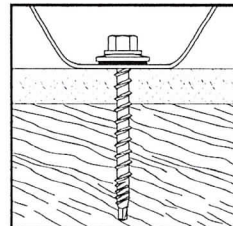
The combination of the Micro-Bit point & transition thread from fine to coarse generates superior drill speed in metal & holding strength in wood substrates.



Available for powder coated fasteners.



### APPLICATIONS



ARCHITECTURAL  
S E R I E S



### FEATURES AND BENEFITS

#### MB™ New Micro-Bit™ 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 holding strength in various wood substrates.
- Micro-Bit™ 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.

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.			
SUBSTRATE	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 1/2"	1526	N/A
2 X Y. PINE*	1/2"	N/A	495
2 X SPF*	1"	466	N/A
2 X SPF*	1 1/2"	1216	N/A
2 X SPF*	1/2"	N/A	162

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

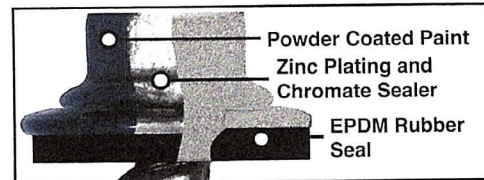
PULL OVER STRENGTH LBS. ULT.				
SUBSTRATE	GAUGE	THICKNESS	10-16/8 VALUE	STITCH VALUE
AZ55 Galvalume*	29	.014	378	378
AZ55 Galvalume*	26	.018	629	629
AZ55 Galvalume*	24	.024	721	721

- 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.

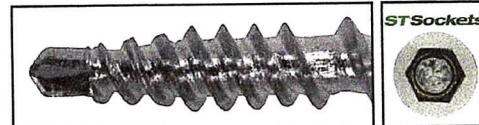
## KWIKSEAL<sup>®</sup> MB™ WoodBinder<sup>®</sup>



**HEAD STYLE**  
1/4" HWH  
**DRILL POINT**  
MICRO-BIT™  
**MAJOR DIAMETER**  
.205/.191  
.215/.209 STITCH  
**MINOR DIAMETER**  
.121/.116  
.160/.153 STITCH  
**WASHER/HEAD DIAMETER**  
.348/.322  
**HEAD ACROSS FLATS**  
NOM .250  
NOM .250 STITCH  
**ULT. TENSILE STRENGTH**  
1904 LBS.  
2900 LBS. STITCH  
**MIN. TORSIONAL STRENGTH**  
56 IN.-LBS.  
88 IN.-LBS. STITCH  
**NOM. SHEAR STRENGTH**  
1547 LBS.  
1962 LBS. STITCH



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.

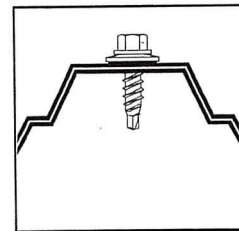
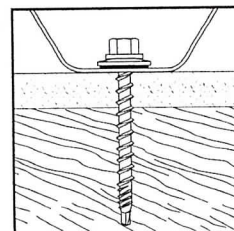


The combination of the Micro-Bit point & transition thread from fine to coarse generates superior drill speed in metal & holding strength in wood substrates.

Available for powder coated fasteners.



### APPLICATIONS



ARCHITECTURAL  
SERIES



### FEATURES AND BENEFITS

#### MB™ New Micro-Bit Engineering

- Round head with 6-lobe recess driver provides an aesthetic, low-profile appearance on side wall metal applications installed into wood girts.
- Micro-Bit point reduces metal shavings 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 USING STEEL PANELS/FRAMING & WOOD DENSITIES WHOSE STRUCTURAL PROPERTIES ARE FOUND IN PRESENT DAY PRODUCTS.**

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

#### ROLLING CHANGE

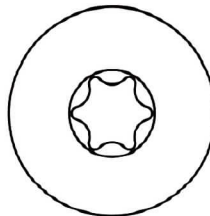
The new Micro-Bit will completely replace the Type 17 sharp point as current inventories are depleted. Sizes listed in GREEN will continue to be sharp points, as inventory levels of those turn over at a slower rate.

PULL OUT STRENGTH LBS. ULT.		
SUBSTRATE	PENETRATION	VALUE
3/4" PLY	FULL	536
5/8" PLY	FULL	420
1/2" PLY	FULL	379
7/16" OSB	FULL	190
2 X Y. PINE*	1"	929
2 X SPF*	1"	640

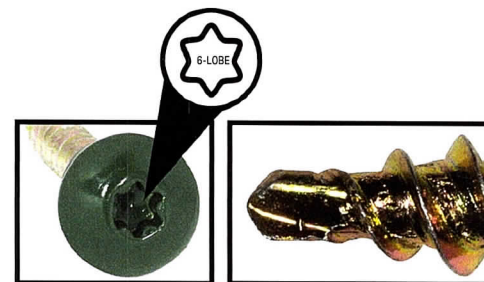
\* Y.PINE (Yellow Pine) \* SPF (Spruce Pine Fir)

PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
AZ55 Galvalume	29	.014	688
AZ55 Galvalume	26	.018	879

## ECLIPSE™ MB™ WoodBinder®



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

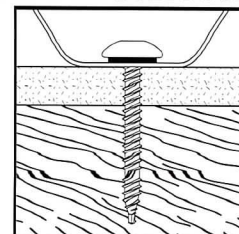


The Truss head is 50% lower than a standard HWH & provides a very aesthetic appearance.

The Micro-Bit point consistently drills 29 & 26 gauge hi-tensile steel with no "point walking."



### APPLICATIONS



**MB™**  
Micro-Bit  
Patent Pending



## FEATURES AND BENEFITS

- #10 Diameter is designed to attach standing seam roof clips to plywood, OSB, or wood purlins.
- Low profile head design provides excellent pull over strength.
- Thin Wafer Head is designed for standing seam panels that utilize no clip but require a very thin head so as to not to dimple the roof panel.
- Available in Ruspert<sup>®</sup> corrosion resistant coated carbon steel or 304 stainless steel.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1" PANCAKE TYPE 17	#2 SQUARE/PHILLIPS COMBO	3000	7.0
10 x 1-1/2" PANCAKE TYPE 17	#2 SQUARE/PHILLIPS COMBO	2500	9.0
10 x 1" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	3000	7.0
10 x 1-1/2" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	2500	9.0
10 x 2" PANCAKE TYPE 17	#2 SQUARE DRIVE HEAD	2000	10.2
10 x 1" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	3000	5.0
10 x 1-1/2" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2500	7.0
10 x 2" WAFER SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2000	9.0
10 x 1" 304 SS SHARP POINT	#2 SQUARE/PHILLIPS COMBO	3000	7.0
10 x 1-1/2" 304 SS SHARP POINT	#2 SQUARE/PHILLIPS COMBO	2500	9.0

PULL OUT STRENGTH LBS. ULT.		
SUBSTRATE	PENETRATION	VALUE
#10 PANCAKE T-17 3/4 PLY	FULL	684
#10 WAFER 3/4 PLY	FULL	684
#10 PANCAKE 304 SS 3/4 PLY	FULL	544
#10 PANCAKE T-17 5/8 PLY	FULL	435
#10 WAFER 5/8 PLY	FULL	435
#10 PANCAKE 304 SS 5/8 PLY	FULL	424
#10 PANCAKE T-17 1/2 PLY	FULL	352
#10 WAFER 1/2 PLY	FULL	352
#10 PANCAKE 304 SS 1/2 PLY	FULL	335
#10 PANCAKE T-17 7/16" OSB	FULL	218
#10 WAFER 7/16" OSB	FULL	218
#10 PANCAKE 304 SS 7/16" OSB	FULL	182
#10 PANCAKE T-17 2X Y.PINE	1"	868
#10 WAFER 2X Y.PINE	1"	868
#10 PANCAKE 304 SS 2X Y.PINE	1"	779
#10 PANCAKE T-17 2X SPF	1"	597
#10 WAFER 2X SPF	1"	597
#10 PANCAKE 304 SS 2X SPF	1"	719

PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
#10 PANCAKE T-17 3/4 PLY	29	.014	529
#10 PANCAKE 304 SS 3/4 PLY	29	.014	529
#10 PANCAKE T-17 3/4 PLY	26	.018	779
#10 PANCAKE 304 SS 3/4 PLY	26	.018	779
#10 PANCAKE T-17 3/4 PLY	24	.024	1128
#10 PANCAKE 304 SS 3/4 PLY	24	.024	1128
#10 PANCAKE T-17 3/4 PLY	22	.030	1512
#10 PANCAKE 304 SS 3/4 PLY	22	.030	1512
#10 WAFER 3/4 PLY	29	.014	685

## ST<sup>®</sup> Clip Screws <sup>Metal to Wood</sup>

**DRILL POINT**  
 TYPE 17 - 30° T-17  
 WAFER - 30° SHARP POINT  
 304 SS - 30° SHARP POINT

**MAJOR DIAMETER**  
 TYPE 17 - .204/.198  
 WAFER - .204/.198  
 304 SS - .194/.188

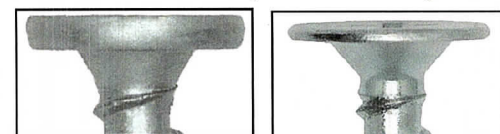
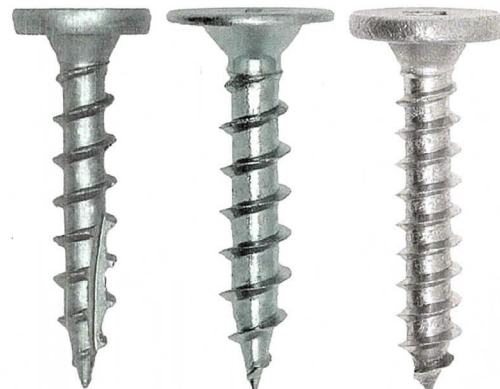
**MINOR DIAMETER**  
 TYPE 17 - .128/.122  
 WAFER - .128/.122  
 304 SS - .133/.126

**HEAD DIAMETER**  
 TYPE 17 - .447/.423  
 WAFER - .477/.423  
 304 SS - .440 NOM.

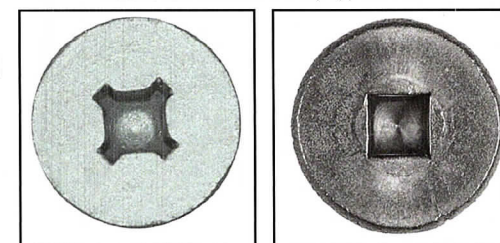
**ULT. TENSILE STRENGTH**  
 TYPE 17 - 1981 LBS.  
 WAFER - 1981 LBS.  
 304 SS - 1450 LBS.

**MIN. TORSIONAL STRENGTH**  
 TYPE 17 - 66 IN-LBS.  
 WAFER - 66 IN-LBS.  
 304 SS - 48 IN-LBS.

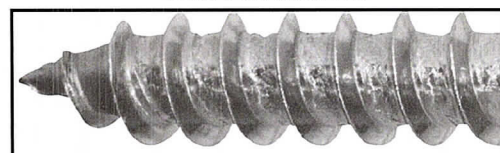
**NOM. SHEAR STRENGTH**  
 TYPE 17 - 1428 LBS.  
 WAFER - 1428 LBS.  
 304 SS - 1113 LBS.



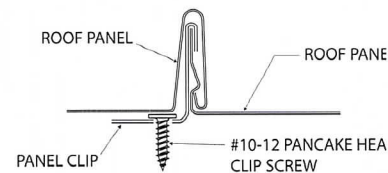
Thin Wafer Head can be used for non-clip applications. Pancake Head is best suited for roof clip applications.



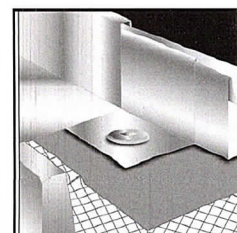
2 driver bits to choose from.



Type A point & thread design maximizes holding strength in plywood, OSB, & wood purlins.



### TYPICAL CLIP APPLICATION APPLICATIONS



MIAMI-DADE COUNTY  
LISTED