

KWIKSEAL MB WoodBinder

POWERFUL™ CORROSION DEFENSE POWDER COAT SYSTEM // **KS V-NECK™** PREVENTS TWIST OFF HEX WASHER HEAD // **KS LO-ROOT™** PATENTED XTREME HOLD™ THREAD DESIGN // **MB™** MICRO-BIT™ SELF DRILL POINT



- 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

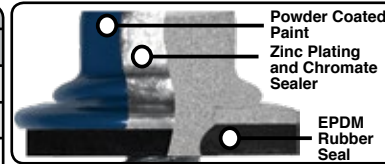
SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1"	1/4" HWH	3000	7.8
10 x 1-1/2"	1/4" HWH	2500	9.9
10 x 2"	1/4" HWH	2000	12.2
10 x 2-1/2"	1/4" HWH	1500	14.3
10 x 3"	1/4" HWH	1000	16.3
12 x 3/4" STITCH	1/4" HWH	2500	8.8

PULLOUT & PULLOVER VALUES ARE DETERMINED IN THE ST FASTENING SYSTEMS ENGINEERING LABORATORY & BASED UPON WOOD DENSITIES FOUND IN PRESENT DAY WOOD PRODUCTS.

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
10-16/8	MICRO-BIT	.205/.191	.121/.116	.348/.322	NOM. .250"	1904 LBS.	56 IN.-LBS.	1547 LBS.
#12-14 STITCH	MICRO-BIT	.215/.209	.160/.153	.348/.322	NOM. .250"	2900 LBS.	88 IN.-LBS.	1962 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	MATERIAL	SUBSTRATE																
		HRS PRIMED ONLY			3/4" PLY		5/8" PLY		1/2" PLY		7/16" OSB		2X Y.PINE			2X SPF		
		NOM. GAUGE	16	14	12	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(1)	(2)	(4)	(1)	(2)
10-16/8	N/A	N/A	N/A	N/A	636	N/A	441	N/A	368	N/A	210	N/A	713	1526	N/A	466	1216	N/A
#12-14 STITCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	297	N/A	329	N/A	217	N/A	N/A	495	N/A	N/A	162

PULL OVER STRENGTH VALUE (LBS. ULT.) (EPDM ONLY)	DESIGNATION	MATERIAL							
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL	
		NOM. GAUGE	29	26	24	22	20	21	29
	THICKNESS	.014	.018	.024	.030	.036	.028	.014	
#10 W/ BONDED 12 MM WASHER		378	629	721	N/A	N/A	N/A	N/A	
#12-14 STITCH W/ BONDED 12 MM WASHER		378	629	721	N/A	N/A	N/A	N/A	



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.

NOTES: 1. All strength values shown below are ultimate values, expressed in LBS. Apply an appropriate safety factor to obtain design limit

ZXL MB WoodBinder

POWERFUL™ CORROSION DEFENSE POWDER COAT SYSTEM // **ZXL™** NO RED RUST™ ZAMAC DIE CAST HEAD // **KS LO-ROOT™** PATENTED XTREME HOLD™ THREAD DESIGN // **MB™** MICRO-BIT™ SELF DRILL POINT



- Fastener designed to attach steel roofing & siding used in post-frame & residential metal roofing applications.
- 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.

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 & BASED UPON WOOD DENSITIES FOUND IN PRESENT DAY WOOD PRODUCTS.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1"	5/16" CHWH**	3000	12.7
10 x 1-1/2"	5/16" CHWH**	2500	14.7
10 x 2"	5/16" CHWH**	2000	17.0
10 x 2-1/2"	5/16" CHWH**	1500	19.2
10 x 3"	5/16" CHWH**	1000	21.0
12 x 3/4" STITCH	5/16" CHWH**	2500	9.0

**CHWH-Cupped Hex Washer Head.

*** Tabulated value is the force at which the ZXL head breaks from the carbon steel body.

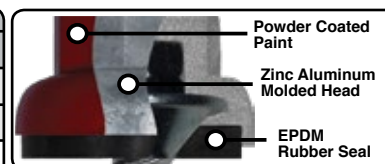


No Red-Rust Guaranteed!

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
10-16/8	MICRO-BIT	.210/.191	.121/.116	.500"	NOM .312"	1575** LBS.	60 IN.-LBS.	1574 LBS.
#12-14 STITCH	MICRO-BIT	.215/.209	.160/.153	.500"	NOM .312"	1575** LBS.	88 IN.-LBS.	1962 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	MATERIAL	SUBSTRATE																
		HRS PRIMED ONLY			3/4" PLY		5/8" PLY		1/2" PLY		7/16" OSB		2X Y.PINE			2X SPF		
		NOM. GAUGE	16	14	12	(3)	(4)	(3)	(4)	(3)	(4)	(1)	(2)	(4)	(1)	(2)	(4)	
10-16/8	N/A	N/A	N/A	N/A	636	N/A	441	N/A	368	N/A	210	N/A	713	1526	N/A	466	1216	N/A
#12-14 STITCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	297	N/A	329	N/A	217	N/A	N/A	495	N/A	N/A	162

PULL OVER STRENGTH VALUE (LBS. ULT.) (EPDM ONLY)	DESIGNATION	MATERIAL							
		AZ55 GALVALUME				G90	ALUMINUM	SLOT EDGE PANEL	
		NOM. GAUGE	29	26	24	22	20	21	29
	THICKNESS	.014	.018	.024	.030	.036	.028	.014	
10-16/8 (EPDM ONLY)		658	927	1035	1386	N/A	N/A	N/A	
#12-14 STITCH SD (EPDM ONLY)		658	927	1035	1386	N/A	N/A	N/A	



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.

NOTES: 1. All strength values shown below are ultimate values, expressed in LBS. Apply an appropriate safety factor to obtain design limit