

SS WoodBinder®



- 304 Stainless Steel cupped head & washer provide lifetime protection in the harshest environments. You may obtain a free copy of the written warranty upon request.
- 304 SS™ Woodbinder® is an excellent choice for use in animal confinement applications or for aluminum liner panel applications.
- Type A point necessitates a pre-drilled hole in steel, but not aluminum.

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.

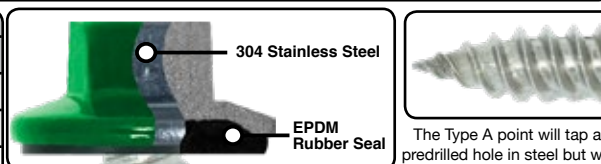
THE USE OF 304 SS SCREWS MAY CAUSE BLISTERING ON ALUMINUM PANELS DUE TO THE MANY DIFFERENT ALLOYS FOUND. CHECK WITH THE ALUMINUM PANEL SUPPLIER FOR PROPER FASTENER RECOMMENDATION.

SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
10 x 1"	1/4" CHWH	3000	9.0
10 x 1-1/2"	1/4" CHWH	2500	11.9
10 x 2"	1/4" CHWH	2000	14.0

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#10	30° SHARP POINT-A	.183/.189	.126/.132	.500	NOM .250"	1135 LBS.	48 IN.-LBS.	1034 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	MATERIAL	SUBSTRATE															
		(1) 1" PENETRATION (2) 1 1/2" PENETRATION												(3) FULL PENETRATION (4) 1/2" PENETRATION			
		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)	(4)
THICKNESS	.060	.075	.105	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(1)	(2)	(4)	(1)	(2)	(4)
#10	N/A	N/A	N/A	616	N/A	473	N/A	312	N/A	208	N/A	802	1176	N/A	678	913	N/A

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 (EPDM WASHER ONLY)		683	870	N/A	N/A	N/A	N/A	N/A	



The Type A point will tap a predrilled hole in steel but will self-drill through aluminum liner panels.

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

ST-XL MB WoodBinder®



- Designed as an alternative to the zinc-aluminum alloy head. It is also used to attach steel roofing used in post-frame & residential construction. The smaller cupped HWH provides an attractive low-profile appearance versus larger HWH fasteners.
- 304 Stainless Steel cap provides lifetime warranty against red rust on the head & washer. You may obtain a free copy of the written warranty upon request.
- ST-XL™ is an excellent choice for GALVALUME or other long-life metal roofs.
- The combination of a Micro-Bit™ drills 29 & 26 gauge consistently & eliminates the metal shavings that can embed themselves in the EPDM 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. THE

USE OF 304 SS SCREWS MAY CAUSE BLISTERING ON ALUMINUM PANELS DUE TO THE MANY DIFFERENT ALLOYS FOUND. CHECK WITH THE ALUMINUM PANEL SUPPLIER FOR PROPER FASTENER RECOMMENDATION.



SIZE	HEAD STYLE	CARTON QTY.	WEIGHT/M
9 x 1"	1/4" CHWH*	3000	9.0
9 x 1-1/2"	1/4" CHWH*	2500	11.9
9 x 2"	1/4" CHWH*	2000	14.0
9 x 2-1/2"	1/4" CHWH*	1500	16.0
9 x 3"	1/4" CHWH*	1000	18.4
12 x 3/4" STITCH	1/4" CHWH*	2500	16.0

*CHWH-Cupped Hex Washer Head.

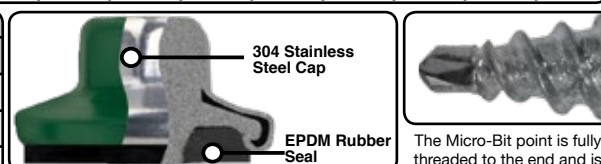
ROLLING CHANGE

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.

TECHNICAL INFORMATION	DRILL POINT	MAJOR DIAMETER	MINOR DIAMETER	WASHER/HEAD DIAMETER	HEAD ACROSS FLATS	ULT. TENSILE STRENGTH	MIN. TORSIONAL STRENGTH	NOM. SHEAR STRENGTH
#9	MICRO-BIT	.181/.178	.133/.127	.500	NOM .250"	2100 LBS.	48 IN.-LBS.	1800 LBS.
#12-14 STITCH	MICRO-BIT	.215/.209	.164/.157	.500	NOM .250"	2900 LBS.	88 IN.-LBS.	1962 LBS.

PULL OUT STRENGTH VALUE (LBS. ULT.)	MATERIAL	SUBSTRATE															
		(1) 1" PENETRATION (2) 1 1/2" PENETRATION												(3) FULL PENETRATION (4) 1/2" PENETRATION			
		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)	(4)
THICKNESS	.060	.075	.105	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(1)	(2)	(4)	(1)	(2)	(4)
#9	N/A	N/A	N/A	668	N/A	384	N/A	242	N/A	224	N/A	852	1030	N/A	604	855	N/A
#12-14 STITCH	N/A	N/A	N/A	N/A	260	N/A	233	N/A	202	N/A	164	N/A	N/A	331	N/A	N/A	237

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		
#9 (EPDM WASHER)		573	726	869	N/A	N/A	380	N/A	
#12-14 STITCH (EPDM WASHER)		378	629	721	N/A	N/A	N/A	N/A	



ST-XL has a 304 SS Cap on the head and washer. It will never red rust. Cupped head design provides low profile appearance.

The Micro-Bit point is fully threaded to the end and is designed for the quickest penetration through light gauge steel panels.