

## FEATURES AND BENEFITS

- Self-drilling screws that are designed for general construction applications.
- Drill points are designed to penetrate a wide variety of metal thicknesses from thin sheet metal to 0.250".
- Applications include HVAC, roof deck to steel framing, and roof clips to steel framing.
- #10 and 1/4" HWH are available with or without a bonded sealing washer. The #12 HWH is available only without a sealing washer. The #12 MAXX™ Steelbinder fastener is available for applications requiring a washer.

**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
8-18 x 1/2"	10000	3.6
8-18 x 5/8" w/Nibbs	10000	4.0
10-16 x 5/8"	5000	5.7
10-16 x 3/4"	2500	6.3
10-16 x 1"	2500	7.6
12-14 x 3/4"	2500	8.4
12-14 x 1"	2500	10.0
12-14 x 1-1/4"	2500	11.8
12-14 x 1-1/2"	2000	13.3
12-14 x 2"	1500	16.7
12-14 x 2-1/2"	1500	21.4
12-14 x 3"	1000	25.0
1/4-14 x 7/8" Stitch	2500	8.8
1/4-14 x 3/4"	2500	12.5
1/4-14 x 1"	2500	15.2
1/4-14 x 1-1/4"	2000	17.5
1/4-14 x 1-1/2"	1500	19.6
1/4-14 x 2"	1000	23.8
1/4-14 x 2-1/2"	1000	30.0
1/4-14 x 3"	1000	33.2
1/4-14 x 4"	500	41.9
1/4-14 x 5"	500	50.7
1/4-14 x 6"	250	53.0

**NOTES**

1. HRS (Hot Rolled Steel)
2. All strength values shown are ultimate values, express in LBS. Apply an appropriate safety factor to obtain design limits.

## HWH SteelBinder®



### HEAD STYLE

- 1/4" HWH
- 5/16" HWH
- 3/8" HWH

### POINT DIAMETER

- #1/4-14 - .216/.210
- #12-14 - .180/.175
- #1/4-14 - .216/.210

### MAJOR DIAMETER

- #1/4-14 - .246/.240
- #12-14 - .215/.209
- #1/4-14 - .246/.240

### MINOR DIAMETER

- #1/4-14 - .192/.185
- #12-14 - .164/.157
- #1/4-14 - .192/.185

### WASHER FACE DIAMETER

- #1/4-14 - .520/.480
- #12-14 - .432/.398
- #1/4-14 - .432/.398

### HEAD ACROSS FLATS

- #1/4-14 - NOM .375"
- #12-14 - NOM .312"
- #1/4-14 - NOM .312"

### ULT. TENSILE STRENGTH

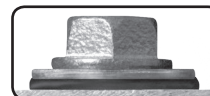
- #1/4-14 - 3697 LBS.
- #12-14 - 2900 LBS.
- #1/4-14 - 3697 LBS.

### MIN. TORSIONAL STRENGTH

- #1/4-14 - 150 IN-LBS.
- #12-14 - 92 IN-LBS.
- #1/4-14 - 150 IN-LBS.

### NOM. SHEAR STRENGTH

- #1/4-14 - 2682 LBS.
- #12-14 - 1962 LBS.
- #1/4-14 - 2682 LBS.



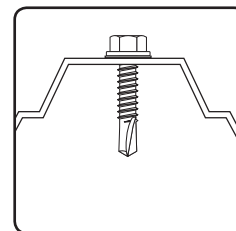
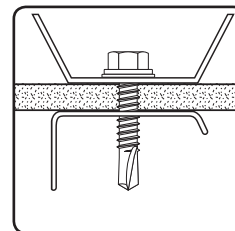
HWH head design improves Pull over strength versus standard HWH & Bonded Washer. ST Fastening Systems sockets are designed to allow for the added thickness of the powder coat.



Drill point is designed to penetrate steel quickly with no "point walking".



SELF DRILL POINT



## APPLICATIONS



PULL OUT STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
HRS Primed Only #1/4-14(3/8" AF)	16	0.065	986
HRS Primed Only #1/4-14(3/8" AF)	14	.070	1070
HRS Primed Only #1/4-14(3/8" AF)	12	.106	2003
HRS Primed Only #12-14(5/16" AF)	16	.065	927
HRS Primed Only #12-14(5/16" AF)	14	.070	958
HRS Primed Only #12-14(5/16" AF)	12	.106	1678
AZ55 Galvalume #1/4-14(3/8" AF)	22	.031	489
AZ55 Galvalume #1/4-14(5/16" AF)	18	.047	1038
AZ55 Galvalume #1/4-14(5/16" AF)	22	.031	418
AZ55 Galvalume #1/4-14(5/16" AF)	24	.024	378
AZ55 Galvalume #1/4-14(5/16" AF)	26	.019	342
G-90 Galvanized #1/4-14 (3/8" AF)	18	.047	868
G-90 Galvanized #1/4-14 (3/8" AF)	16	.06	890
G-90 Galvanized #1/4-14 (3/8" AF)	14	.072	1107
G-90 Galvanized #1/4-14 (3/8" AF)	12	.101	1327
G-90 Galvanized #12-14 (5/16" AF)	18	.047	729
G-90 Galvanized #12-14 (5/16" AF)	16	.060	787
G-90 Galvanized #12-14 (5/16" AF)	14	.072	1041
G-90 Galvanized #12-14 (5/16" AF)	12	.101	1372
G-90 Galvanized #1/4-14 (5/16" AF)	20	.038	620

PULL OVER STRENGTH LBS. ULT.			
SUBSTRATE	GAUGE	THICKNESS	VALUE
#1/4-14 (3/8" AF) BONDED WASHER (16mm) AZ55 Galvalume	26	.019	1001
#1/4-14 (3/8" AF) BONDED WASHER (16mm) AZ55 Galvalume	24	.024	1206
#1/4-14 (3/8" AF) BONDED WASHER (16mm) AZ55 Galvalume	22	.032	1649
#1/4-14 (3/8" AF) (.480/.520 HWH DIA) AZ55 Galvalume	26	.019	878
#1/4-14 (3/8" AF) (.480/.520 HWH DIA) AZ55 Galvalume	24	.024	1160
#1/4-14 (3/8" AF) (.480/.520 HWH DIA) AZ55 Galvalume	22	.032	1503
#12-14 (5/16" AF) BONDED WASHER (14mm) AZ55 Galvalume	26	.019	780
#12-14 (5/16" AF) BONDED WASHER (14mm) AZ55 Galvalume	24	.024	1078
#12-14 (5/16" AF) BONDED WASHER (14mm) AZ55 Galvalume	22	.032	1355
#12-14 (5/16" AF) BONDED WASHER (14mm) G-90 GALVANIZED	20	.038	1608
#12-14 (5/16" AF) (.392/.432 HWH DIA) AZ55 Galvalume	26	.019	722
#12-14 (5/16" AF) (.392/.432 HWH DIA) AZ55 Galvalume	24	.024	1046
#12-14 (5/16" AF) (.392/.432 HWH DIA) AZ55 Galvalume	22	.032	1197
#12-14 (5/16" AF) (.392/.432 HWH DIA) G-90 GALVANIZED	20	.038	1419
#1/4-14 (5/16" AF) STITCH BONDED WASHER (14mm) AZ55 Galvalume	26	.019	892
#1/4-14 (5/16" AF) STITCH BONDED WASHER (14mm) AZ55 Galvalume	24	.024	1076
#1/4-14 (5/16" AF) STITCH BONDED WASHER (14mm) AZ55 Galvalume	22	.032	1243
#1/4-14 (5/16" AF) STITCH BONDED WASHER (14mm) G-90 GALVANIZED	20	.038	1916
#1/4-14 (5/16" AF) STITCH (.398/.432 HWH DIA) AZ55 Galvalume	26	.019	722
#1/4-14 (5/16" AF) STITCH (.398/.432 HWH DIA) AZ55 Galvalume	24	.024	990
#1/4-14 (5/16" AF) STITCH (.398/.432 HWH DIA) AZ55 Galvalume	22	.032	1088
#1/4-14 (5/16" AF) STITCH (.398/.432 HWH DIA) G-90 GALVANIZED	20	.038	1825