

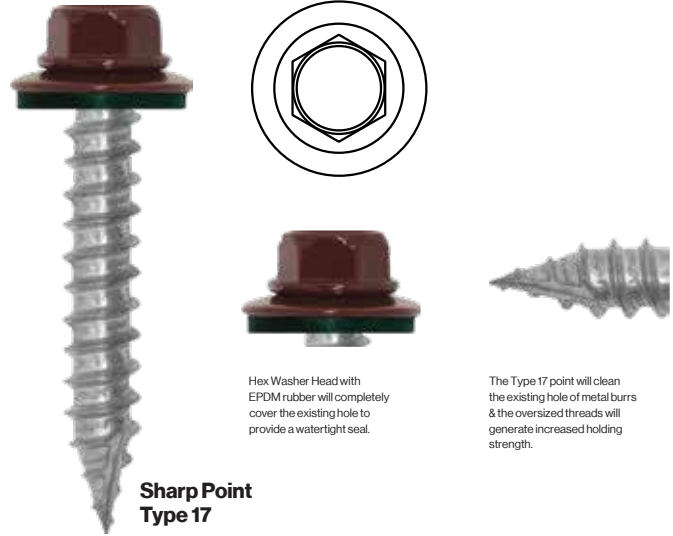
## #14 TYPE 17 WoodBinder®

### Features and Benefits

- Designed to be used as a "rescue screw". This fastener will replace nails or smaller diameter fasteners that have loosened & backed out of steel roofing over time.
- 5/16" HWH with bonded sealing washer will completely cover existing hole, even if elongated by movement in the metal roof.
- Type 17 point will help clean the existing hole so that oversized threads can tap & generate maximum holding strength.
- EPDM rubber is vulcanized to the steel washer to prevent delamination & form an excellent seal even when driven at an angle.

FOR PROPER INSTALLATION, THE USE OF IMPACT DRIVERS ARE NOT RECOMMENDED FOR POWDER COATED OR ANY WET PAINTED FASTENER.

PULL OUT & PULL OVER 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.



Hex Washer Head with EPDM rubber will completely cover the existing hole to provide a watertight seal.

The Type 17 point will clean the existing hole of metal burrs & the oversized threads will generate increased holding strength.

**Sharp Point Type 17**

SIZE	CARTON QTY.	WEIGHT/M
14 x 1"	2000	13.0
14 x 1 1/4"	2000	15.7
14 x 1-1/2"	1500	17.7
14 x 2"	1500	22.3
14 x 2 1/2"	1000	26.7

#### PULL OUT STRENGTH LBS. ULT.

SUBSTRATE	PENETRATION	VALUE
HRS Primed Only	.060	800
HRS Primed Only	.075	1250
HRS Primed Only	.105	2017
3/4" PLY	FULL	723
5/8" PLY	FULL	487
1/2" PLY	FULL	391
7/16" OSB	FULL	227
2 X Y. PINE*	1"	856
2 X Y. PINE*	1 1/2"	1669
2 X SPF*	1"	594
2 X SPF*	1 1/2"	1235

#### PULL OVER STRENGTH LBS. ULT.

SUBSTRATE	GAUGE	THICKNESS	VALUE
AZ55 Galvalume BONDED WASHER (14mm)	29	.014	495
AZ55 Galvalume BONDED WASHER (14mm)	26	.018	780
AZ55 Galvalume BONDED WASHER (14mm)	24	.024	1078
AZ55 Galvalume BONDED WASHER (14mm)	22	.030	1355
AZ55 Galvalume NONE (.398/.432 HWH DIA)	26	.018	722
AZ55 Galvalume NONE (.398/.432 HWH DIA)	24	.024	1040
AZ55 Galvalume NONE (.398/.432 HWH DIA)	22	.030	1197
G-90 Galvanized BONDED WASHER (14mm)	20	.036	1608
G-90 Galvanized NONE (.398/.432 HWH DIA)	20	.038	1419

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

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HEAD STYLE	5/16" HWH
POINT DIAMETER	30° Sharp Point Type 17
MAJOR DIAMETER	.254/.248
MINOR DIAMETER	.185/.178
WASHER/HEAD DIAMETER	.398/.432
HEAD ACROSS FLATS	NOM .312"
ULT. TENSILE STRENGTH	4270 LBS.
MIN. TORSIONAL STRENGTH	125 IN-LBS.
NOM. SHEAR STRENGTH	2997 LBS.

### Applications

