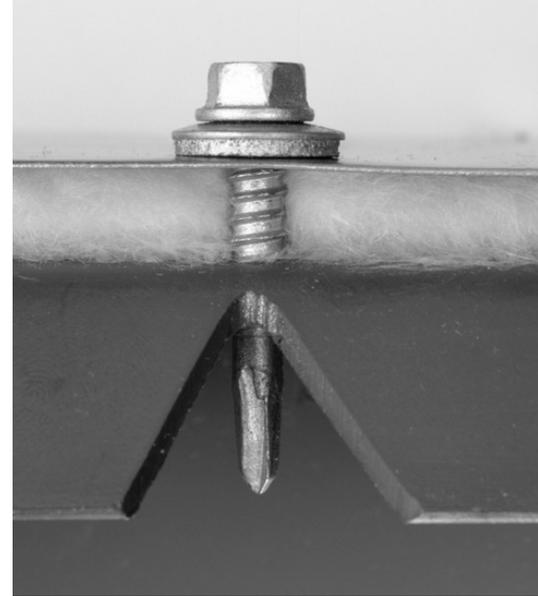


TEKS®

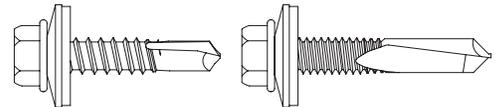
SELF-DRILLING FASTENERS WITH BONDED WASHER

For weather-tight sealing of roof and wall applications



PRODUCT FEATURES

- Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
- Dual sealing bonded washer prevents leaks.
- Climaseal® finish provides excellent corrosion resistance and lower tapping torque.
- Point has precise cutting edges to improve drill performance with less effort.
- Point to thread design maximizes pullout performance and minimizes backout.



SELECTOR GUIDE

| PART NO. | DESCRIPTION | HEAD STYLE | DRILL POINT | FINISH | DRILL & TAP CAPACITY (IN.) | MAX. MATERIAL ATTACHMENT (IN.) | BOX QTY | APPLICATIONS |
|----------|-----------------|------------|-------------|-----------|----------------------------|--------------------------------|---------|---|
| 1005000 | 10-16 x 3/4" | 5/16" HWH | #3 | Climaseal | .036 - .175 | .205 | 3,000 | Brick tie to steel framing |
| 1308000 | 10-16 x 1-1/2" | 5/16" HWH | #3 | Climaseal | .036 - .175 | .955 | 2,500 | |
| 1009000 | 12-14 x 3/4" | 5/16" HWH | #3 | Climaseal | .036 - .210 | .150 | 3,000 | Wall panel to girt |
| 1011000 | 12-14 x 1" | 5/16" HWH | #3 | Climaseal | .036 - .210 | .400 | 3,000 | |
| 1404000 | 12-14 x 1-1/2" | 5/16" HWH | #2 | Climaseal | .036 - .210 | .680 | 2,000 | Stitch roof and wall panels |
| 1016000 | 12-14 x 2" | 5/16" HWH | #3 | Climaseal | .036 - .210 | 1.330 | 1,500 | |
| 1333000 | 12-14 x 3" | 5/16" HWH | #3 | Climaseal | .036 - .210 | 2.330 | 1,000 | Mansard panel to steel framing |
| †1416000 | 1/4-14 x 7/8" | 5/16" HWH | #1 | Climaseal | .018 - .095 | .260 | 3,000 | |
| 1160000 | 1/4-14 x 1" | 5/16" HWH | #3 | Climaseal | .036 - .210 | .280 | 2,500 | Roof panel to purlin |
| 1019000 | 1/4-14 x 1-1/4" | 5/16" HWH | #3 | Climaseal | .036 - .210 | .530 | 2,000 | |
| 1021000 | 1/4-14 x 2" | 5/16" HWH | #3 | Climaseal | .036 - .210 | 1.280 | 1,000 | Retrofit panels to structural |
| 1010000 | 12-24 x 7/8" | 5/16" HWH | #4 | Climaseal | .125 - .250 | .205 | 3,000 | |
| 1415000 | 12-24 x 1-1/4" | 5/16" HWH | #4.5 | Climaseal | 125 - .375 | .455 | 2,500 | Longer fasteners may be used in retrofit applications |
| 1000000 | 12-24 x 1-1/4" | 5/16" HWH | #5 | Climaseal | 125 - .500 | .255 | 2,500 | |
| 1001000 | 12-24 x 1-1/2" | 5/16" HWH | #5 | Climaseal | 125 - .500 | .505 | 2,000 | |
| 1002000 | 12-24 x 2" | 5/16" HWH | #5 | Climaseal | 125 - .500 | 1.005 | 1,500 | |
| 1003000 | 1/4-28 x 3" | 5/16" HWH | #5 | Climaseal | 125 - .500 | 2.030 | 1,000 | |
| 1004000 | 1/4-28 x 4" | 5/16" HWH | #5 | Climaseal | 125 - .500 | 3.030 | 500 | |
| *1647000 | 1/4-28 x 5" | 3/8" HWH | #5 | Climaseal | 125 - .500 | 4.030 | 250 | |
| *1619000 | 1/4-28 x 8" | 3/8" HWH | #5 | Climaseal | 125 - .500 | 7.030 | 150 | |

†With ABOT™ (Anti-backout threadform) *3/4" Bonded Washer



INSTALLATION GUIDELINES

- A standard screwgun with a depth sensitive nosepiece should be used to install TekS. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500. A maximum 1800 RPM is recommended for TekS fasteners.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- Adjust the screwgun nosepiece to properly seat the fastener.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



HEAD STYLE

Hex Washer Head with Bonded Washer



www.itwbuildex.com

PERFORMANCE DATA

| PULLOUT VALUES (AVERAGE LBS. ULTIMATE) | | | | | | | | | | | |
|--|-----|-------------|-----|-----|-----|-----|------|------|------|-------|------|
| FASTENER | | STEEL GAUGE | | | | | | | | | |
| DIA. | PT. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 3/16" | 1/4" |
| 10 | 3 | 124 | 208 | 266 | 299 | 499 | 708 | 967 | 1474 | - | - |
| 12 | 2 | 156 | 243 | 283 | 375 | 605 | 848 | 1181 | 1856 | 3520 | - |
| 12 | 3 | 142 | 211 | 289 | 341 | 551 | 757 | 1063 | 1631 | 2998 | - |
| 12 | 4 | - | - | - | - | - | - | - | 1532 | 3485 | 3844 |
| 12 | 4.5 | - | - | - | - | - | - | - | 1508 | 3865 | 4104 |
| 12 | 5 | - | - | - | - | - | - | - | 1527 | 3701 | 3999 |
| 1/4 | 1 | 208 | 329 | 428 | 562 | 800 | 1151 | - | - | - | - |
| 1/4 | 3 | 141 | 231 | 293 | 346 | 613 | 880 | 1146 | 1877 | 4550 | - |
| 1/4 | 5 | - | - | - | - | - | 607 | 918 | 1507 | 3300 | 5059 |

| FASTENER VALUES | | | |
|-----------------------|-----------------------------|---------------------------|---------------------------|
| FASTENER (DIA-TPI) | TENSILE (AVG. LBS. ULT.) | SHEAR (AVG. LBS. ULT.) | TORQUE (MIN. IN. LBS.) |
| 10-16 | 1936 | 1400 | 61 |
| 12-14 | 2778 | 2000 | 92 |
| 12-24 | 4750 | 2654 | 100 |
| 1/4-14 | 4060 | 2600 | 150 |
| 1/4-28 | 5577 | 3310 | 234 |

| SHEAR VALUES (AVERAGE LBS. ULTIMATE) | | | | | | | | | | | |
|--------------------------------------|-----|----------------------|-----|-----|------|------|------|------|------|-------|------|
| FASTENER | | STEEL GAUGE (LAPPED) | | | | | | | | | |
| DIA. | PT. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 3/16" | 1/4" |
| 10 | 3 | - | 445 | 526 | 728 | 1266 | 1540 | 1552 | - | - | - |
| 12 | 2 | 365 | 600 | 623 | 898 | 1370 | 1758 | 2138 | - | - | - |
| 12 | 3 | - | - | - | 769 | 1358 | 1620 | 1970 | 1986 | - | - |
| 12 | 4 | - | - | - | - | - | - | - | 2048 | 2030 | - |
| 12 | 4.5 | - | - | - | - | - | - | - | 2641 | 2887 | - |
| 12 | 5 | - | - | - | - | - | - | - | 2650 | 2700 | - |
| 1/4 | 1 | 511 | 849 | 885 | 1244 | 1764 | - | - | - | - | - |
| 1/4 | 3 | - | - | - | 930 | 1442 | 2100 | 2584 | 2650 | - | - |
| 1/4 | 5 | - | - | - | - | - | 1597 | 2005 | 2350 | 2792 | 3310 |

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

| SHEET STEEL GAUGES | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| GAUGE NO. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| DECIMAL EQUIVALENT | .018" | .024" | .030" | .036" | .048" | .060" | .075" | .105" |

