

410 STAINLESS STEEL TEKS®

Self drilling fasteners with bonded washers for applications requiring extra corrosion protection.



Applications

-  Retrofit panels to steel framing.
-  Stitch roof and wall panels.
-  Brick ties to steel framing.
-  Roof panels to purlin or bar joist.
-  Wall panels to girt.
-  Mansard panel to structural.

Product Features

-  Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
-  Point to thread design maximizes pullout performance and minimizes backout.
-  Dual sealing bonded washer prevents leaks.
-  410 Stainless Steel for added corrosion protection.
-  Point has precise cutting edges to improve drill performance with less effort.
-  Corrosion resistant finish for added surface rust protection.

Product Specifications

| | |
|---------------------------|--|
| Diameter | #10, #12, and 1/4 |
| Thread Form | 10-16 |
| | 12-14 |
| | 1/4-14 |
| Head Style | #10: 5/16" HWH, #12: 5/16" HWH, and 1/4": 3/8" HWH |
| Drill Point | Teks 3 |
| Washer Style | 9/16" O.D. Bonded |
| Finish | Silver Climashield® |

Head Style

Hex washer head with bonded washer



Selector Guide



| Part # | Description | Head Style | Drill Point | Drill & Tap Capacity | Max. Material Attachment | Applications |
|---------|-----------------|------------|-------------|----------------------|--------------------------|--|
| 1850000 | 10-16 x 3/4" | HWH | #3 | .036 - .175 | 0.205 | <ul style="list-style-type: none"> • Brick tie to steel framing. • Mansard panel to steel framing. • Roof panel to purlin. • Wall panel to girt. • Stitch roof and wall panels. • Retrofit panels to structural. |
| 1848000 | 10-16 x 1-1/2" | HWH | #3 | .036 - .175 | 0.955 | |
| 1853000 | 12-14 x 1" | HWH | #3 | .036 - .210 | 0.400 | |
| 1851000 | 12-14 x 1-1/4" | HWH | #3 | .036 - .210 | 0.620 | |
| 1854000 | 12-14 x 1-1/2" | HWH | #3 | .036 - .210 | 0.850 | |
| 1860000 | 12-14 x 2" | HWH | #3 | .036 - .210 | 1.330 | |
| 1857000 | 1/4-14 x 1" | HWH | #3 | .036 - .210 | 0.280 | |
| 1861000 | 1/4-14 x 1-1/4" | HWH | #3 | .036 - .210 | 0.530 | |
| 1862000 | 1/4-14 x 1-1/2" | HWH | #3 | .036 - .210 | 0.780 | |
| 1882000 | 1/4-14 x 2" | HWH | #3 | .036 - .210 | 1.280 | |
| 1892000 | 1/4-14 x 3" | HWH | #3 | .036 - .210 | 2.280 | |

Performance Data

| PULLOUT VALUES (avg. lbs ultimate) | | | | | | | | | | |
|------------------------------------|----|-------------|-----|-----|-----|-----|-----|------|------|------|
| Fastener | | Steel Gauge | | | | | | | | |
| Dia | Pt | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 3/16 |
| 8 | 2 | 119 | 193 | 265 | 298 | 491 | 703 | 959 | | |
| 10 | 3 | 124 | 208 | 266 | 299 | 499 | 708 | 967 | 1474 | |
| 12 | 3 | 131 | 196 | 258 | 312 | 452 | 692 | 1063 | 1631 | 2998 |
| 1/4 | 3 | 141 | 231 | 293 | 346 | 613 | 880 | 1145 | 1858 | 4550 |

| FASTENER VALUES (avg. lbs ultimate) | | | |
|-------------------------------------|--------------------|-----------------------|----------------------|
| Fastener (dia-tpi) | Tensile (lbs min.) | Shear (avg. lbs ult.) | Torque (min. in lbs) |
| 8-18 | 1545 | 1000 | 42 |
| 10-16 | 1936 | 1400 | 61 |
| 12-14 | 2778 | 2000 | 92 |
| 1/4-14 | 4060 | 2600 | 150 |

| SHEAR VALUES (avg. lbs ultimate) | | | | | | | | | |
|----------------------------------|----|----------------------|-----|-----|-----|------|------|------|------|
| Fastener | | Steel Gauge (Lapped) | | | | | | | |
| Dia | Pt | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| 8 | 2 | 294 | 496 | 560 | 740 | 1060 | | | |
| 10 | 3 | | 455 | 526 | 728 | 1266 | 1540 | 1552 | |
| 12 | 3 | | | | 769 | 1358 | 1620 | 1970 | 1986 |
| 1/4 | 3 | | | | 930 | 1442 | 2100 | 2584 | 2650 |

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.

Installation Guidelines

A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. For optimal fastener performance, the screw gun should be a minimum of 6 amps and have an RPM range of 0-2500.

Adjust the screwgun nosepiece to properly seat the fastener.

New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

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.

Properly Seated Washers

