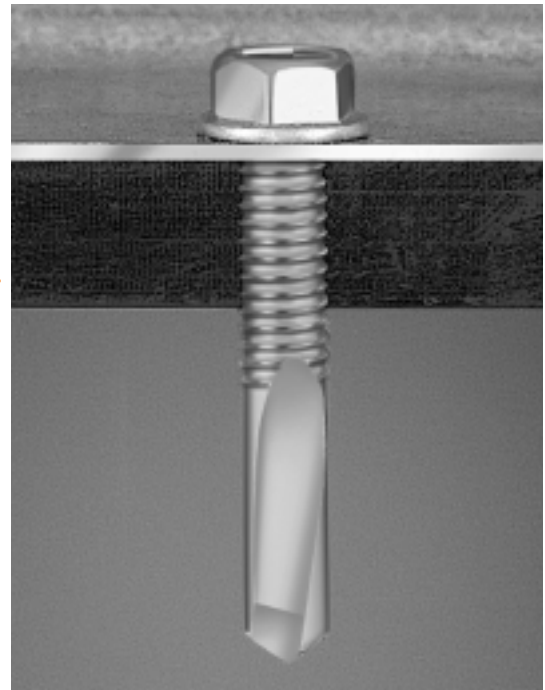


TEKS®

Self-Drilling Fasteners

First in performance!! Over 40 years of consistent drilling.






The original self-drillers for heavy duty applications.



Applications

-  Metal deck to structural steel or bar joist.
-  Clips to structural steel or bar joist.
-  Liner panels to structural steel or bar joist.
-  Accessories to structural steel or bar joist.
-  Longer length fasteners can be used in retrofit clip and sheet applications.

Product Features

-  Unique double fluted point has precise cutting edges to improve drill performance in 1/4" thru 1/2" steel.
-  Engineered for fast drilling and smooth tapping with less effort.
-  Climaseal® finish provides excellent corrosion resistance and lower tapping torque.
-  Attachments up to 7.2" of material including 1/2" steel.
-  1/4 Diameter has notched threads to reduce tapping torque.

Product Specifications

| | |
|-------------|---|
| Diameter | #12, 1/4 |
| Thread Form | 12-24, 1/4-28 |
| Head Style | #12: 5/16" HWH 1/4: 5/16" HWH 1/4: 3/8" HWH |
| Drill Point | Teks 4 Teks 4.5 Teks 5 |
| Finish | Climaseal |

Head Style

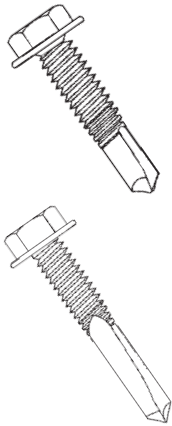


Hex Washer Head

Approvals and Listings

Factory Mutual (J.I. 2 X 9A2 AM), ICC ER-3056, ICC ESR-1976

Selector Guide



| Part Number | Description | Head Style | Drill Point | Drill & Tap Capacity | Max. Material Attachment | Box Qty | Applications |
|-------------|----------------|------------|-------------|----------------------|--------------------------|---------|---|
| 1088000 | 12-24 x 7/8" | HWH | #4 | .125-.250 | .325 | 5,000 | <ul style="list-style-type: none"> • Metal deck, clips, liner panels or accessories to structural steel or bar joist. • Longer fasteners can be used in retrofit clip and sheet applications. |
| 1414000 | 12-24 x 1-1/4" | HWH | #4.5 | .125-.375 | .575 | 4,000 | |
| 1006000 | 12-24 x 1-1/4" | HWH | #5 | .125-.500 | .375 | 4,000 | |
| 1070000 | 12-24 x 1-1/2" | HWH | #5 | .125-.500 | .625 | 2,500 | |
| 1071000 | 12-24 x 1-1/2" | **HWH | #5 | .125-.500 | .625 | 2,500 | |
| 1072000 | 12-24 x 2" | HWH | #5 | .125-.500 | 1.125 | 2,000 | |
| 1074000 | 1/4-28 x 3" | *HWH | #5 | .125-.500 | 2.150 | 1,000 | |
| 1075000 | 1/4-28 x 4" | *HWH | #5 | .125-.500 | 3.150 | 500 | |
| 1641000 | 1/4-28 x 5" | HWH | #5 | .125-.500 | 4.150 | 250 | |
| 1431000 | 1/4-28 x 6" | HWH | #5 | .125-.500 | 5.150 | 250 | |
| 1590000 | 1/4-28 x 8" | HWH | #5 | .125-.500 | 7.150 | 150 | |

All available with bonded washer.

* 5/16" Across Flats HWH ** 3/8" Across Flats HWH

Performance Data

| PULLOUT VALUES (average lbs. ultimate) | | | | | | |
|--|-----|-------------|----|------|------|------|
| Fastener | | Steel Gauge | | | | |
| Dia. | Pt. | 16 | 14 | 12 | 3/16 | 1/4 |
| 12 | 4 | - | - | 1532 | 3485 | 3844 |
| | 4.5 | - | - | 1508 | 3865 | 4101 |
| | 5 | - | - | 1527 | 3701 | 3999 |
| 1/4 | 5 | - | - | 1507 | 3300 | 5059 |







| FASTENER VALUES | | | |
|--------------------|---------------------|------------------------|------------------------|
| Fastener (dia-tpi) | Tensile (lbs. min.) | Shear (avg. lbs. ult.) | Torque (min. in. lbs.) |
| 12-24 T/4 | 3020 | 2100 | 100 |
| 12-24 T/4.5 | 3020 | 2100 | 100 |
| 12-24 T/5 | 3020 | 2100 | 100 |
| 1/4-28 T/5 | 5577 | 3310 | 234 |

| SHEET STEEL GAUGES | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gauge No. | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 |
| Decimal Equivalent | .105" | .075" | .060" | .048" | .036" | .030" | .024" | .018" |

| SHEAR VALUES (average lbs. ultimate) | | | | | | |
|--------------------------------------|-----|----------------------|------|------|------|------|
| Fastener | | Steel Gauge (lapped) | | | | |
| Dia. | Pt. | 16 | 14 | 12 | 1/8 | 1/4 |
| 12 | 4 | - | - | 2048 | 2030 | - |
| | 4.5 | - | - | 2641 | 2887 | 2897 |
| | 5 | - | - | 2650 | 2700 | 2762 |
| 1/4 | 5 | 1597 | 2005 | 2350 | 2792 | 3310 |

Note: Teks fasteners are not categorized as structural bolts. Proper design criteria and strengths must be used for satisfactory application. 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 Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500. (Maximum 1800 RPM is recommended for Teks 5 fasteners)
-  Adjust the screwgun nosepiece to properly seat the fastener.
-  New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
-  The fastener is fully seated when the head is flush with the work surface.
-  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.

