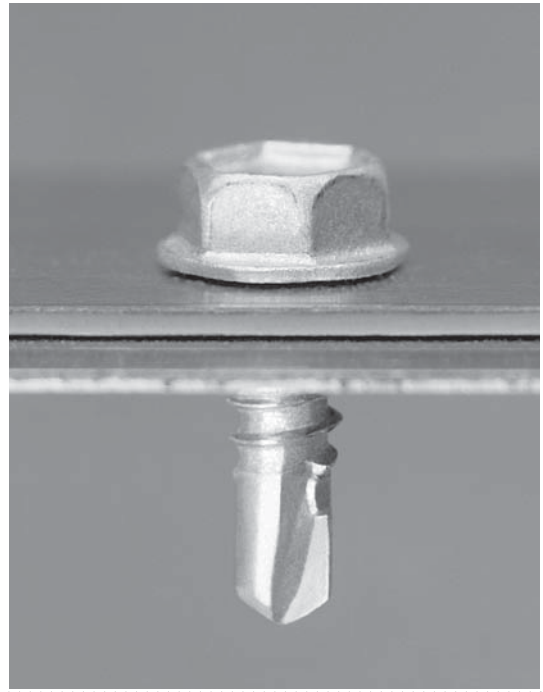


TEKS®

Self-Drilling Fasteners

Preferred most by electrical, decking, HVAC and metal building contractors.

**1/4-14 x 7/8
Teks 1
Now Available
with ABOT™
(Anti-Backout Threadform)**



Applications

- Stitch roof deck and wall panel sidelaps.
- HVAC, electrical trim accessories to steel framing.
- Residential steel frame construction.
- Brick ties to steel framing.
- Track to stud and stud splicing.
- Hat channel to stud.

Product Features

- Sharp convex drill point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Unique point to thread design extrudes the metal preventing stripout.
- Point to thread design maximizes pullout performance and minimizes backout.
- Four head styles available to handle various applications.
- Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter.....#6, #8, #10, #12 and 1/4
Thread Form.....6-20
 8-18
 10-16, 10-24
 12-14
 1/4-14
Head Style.....#6: #2 Phillips Pan
 #8: 1/4" HWH; #2 Phillips Pan
 #10: 5/16" HWH; 5/16" HWH with Serrations;
 #2 Phillips Pan; #2 Phillips Oval
 #12: 5/16" HWH
 1/4: 5/16" HWH
Drill Point.....Teks 1
 Teks 2
 Teks 3
Finish.....#6, #8, Electro-zinc
 #10, #12 and 1/4 Climaseal

Head Styles



Hex Washer Hex



Oval Head



Pan Head

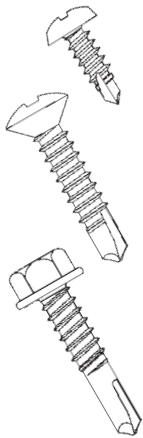


Hex Washer Head with Serrations

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 Attachments | Box Qty | Applications | |
|-------------|----------------|------------|-------------|----------------------|---------------------------|---------|---|---|
| 1208200 | 6-20 x 3/8" | Pan | #2 | .036-.100 | .100 | 20,000 | <ul style="list-style-type: none"> HVAC, electrical trim accessories to steel framing Residential steel frame construction Track to stud Hat channel to stud Stud splicing | |
| 1563200 | 6-20 x 3/8" | HWH | #2 | .036-.100 | | 20,000 | | |
| 1527200 | 6-20 x 1/2" | Pan | #2 | .036-.100 | | 20,000 | | |
| 1210200 | 8-18 x 1/2" | Pan | #2 | .036-.100 | .205 | 10,000 | | |
| 1213200 | 8-18 x 3/4" | Pan | #2 | .036-.100 | .455 | 10,000 | | |
| 1218200 | 8-18 x 1" | Pan | #2 | .036-.100 | .705 | 8,000 | | |
| 1196200 | 8-18 x 1/2" | HWH | #2 | .036-.100 | .205 | 10,000 | | |
| 1199200 | 8-18 x 5/8" | HWH | #2 | .036-.100 | .330 | 10,000 | | |
| 1200200 | 8-18 x 3/4" | HWH | #2 | .036-.100 | .455 | 10,000 | | |
| 1202200 | 8-18 x 1" | HWH | #2 | .036-.100 | .705 | 8,000 | | |
| 1204200 | 8-18 x 1-1/2" | HWH | #2 | .036-.100 | 1.205 | 4,000 | | |
| 1107053 | 10-16 x 3/4" | HWH | #1 | .018-.095 | .220 | 5,000 | | <ul style="list-style-type: none"> Stitching roof deck, wall panel sidelaps or duct work |
| 1109053 | 12-14 x 3/4" | HWH | #1 | .018-.095 | .205 | 4,000 | | |
| 1399053 | 1/4-14 x 7/8" | HWH | #1 | .018-.095 | .380 | 5,000 | | |
| 1398000 | 10-16 x 1/2" | Pan | #3 | .036-.175 | .150 | 10,000 | <ul style="list-style-type: none"> Clips, duct straps, brick ties or accessories to steel framing | |
| 1541000 | 10-16 X 5/8" | Pan | #3 | .036-.175 | .200 | 5,000 | | |
| 1224000 | 10-16 x 3/4" | Pan | #3 | .036-.175 | .325 | 5,000 | | |
| 1542000 | 10-16 x 3/4" | Oval | #3 | .036-.175 | .325 | 5,000 | | |
| 1397000 | 10-16 x 1/2" | HWH | #3 | .036-.175 | .150 | 5,000 | | |
| 1127000 | 10-16 x 5/8" | HWH | #3 | .036-.175 | .200 | 5,000 | | |
| 1128000 | 10-16 x 3/4" | HWH | #3 | .036-.175 | .325 | 5,000 | | |
| 1129000 | 10-16 x 1" | HWH | #3 | .036-.175 | .575 | 5,000 | | |
| 1544000 | 10-16 x 1" | Oval | #3 | .036-.175 | .575 | 5,000 | | |
| 1545000 | 10-16 x 1" | Pan | #3 | .036-.175 | .575 | 5,000 | | |
| 1130000 | 10-16 x 1-1/4" | HWH | #3 | .036-.175 | .825 | 4,000 | | |
| 1546000 | 10-16 x 1-1/4" | Oval | #3 | .036-.175 | .825 | 5,000 | | |
| 1131000 | 10-16 x 1-1/2" | HWH | #3 | .036-.175 | 1.075 | 3,000 | | |
| 1550000 | 10-24 x 3/4" | HWH | #3 | .036-.175 | .323 | 5,000 | | |
| 1551000 | 10-24 x 1" | HWH | #3 | .036-.175 | .575 | 5,000 | | |
| †1786200 | 10-24 x 5/8" | *HWH | #2 | .036-.175 | .200 | 5,000 | | <ul style="list-style-type: none"> Vibration resistance; HVAC Applications. |
| †1707200 | 10-16 x 3/4" | *HWH | #3 | .036-.175 | .323 | 5,000 | | |
| †1821200 | 10-16 x 3/4" | *HWH | #3 | .036-.175 | .323 | 5,000 | | |

* With serrations under head.

† Electro-zinc finish.

Performance Data

| PULLOUT VALUES (average lbs. ultimate) | | | | | | | | | |
|--|-----|-------------|-----|-----|-----|-----|------|------|------|
| Fastener | | Steel Gauge | | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| #6 | 2 | 120 | 183 | 248 | 296 | 471 | 679 | 847 | - |
| #8 | 2 | 119 | 193 | 265 | 298 | 491 | 703 | 959 | - |
| #10-16 | 1 | 148 | 241 | 311 | 357 | 565 | 826 | 1111 | 1796 |
| | 3 | 124 | 208 | 266 | 299 | 499 | 708 | 967 | 1474 |
| #12 | 1 | 159 | 261 | 338 | 390 | 649 | 908 | 1259 | 1949 |
| 1/4 | 1 | 208 | 329 | 428 | 562 | 800 | 1151 | - | - |

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

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.

| FASTENER VALUES | | | |
|--------------------|---------------------|------------------------|------------------------|
| Fastener (dia-tpi) | Tensile (lbs. min.) | Shear (avg. lbs. ult.) | Torque (min. in. lbs.) |
| 6-20 | 1285 | 750 | 25 |
| 8-18 | 1545 | 1000 | 42 |
| 10-16 | 1936 | 1400 | 61 |
| 10-24 | 2702 | 1500 | 65 |
| 12-14 | 2778 | 2000 | 92 |
| 1/4-14 | 4060 | 2600 | 150 |

| SHEAR VALUES (average lbs. ultimate) | | | | | | | | |
|--------------------------------------|-----|----------------------|-----|-----|------|------|------|------|
| Fastener | | Steel Gauge (lapped) | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 |
| #6 | 2 | 278 | 466 | 526 | 758 | 845 | - | - |
| #8 | 2 | 294 | 496 | 560 | 740 | 1060 | - | - |
| #10 | 1 | 398 | 584 | 659 | 884 | 1374 | - | - |
| | 3 | - | 455 | 526 | 728 | 1266 | 1540 | 1552 |
| #12 | 1 | 432 | 703 | 753 | 1018 | 1452 | - | - |
| 1/4 | 1 | 511 | 849 | 885 | 1244 | 1764 | - | - |

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 4 amps and have a 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.
- 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.

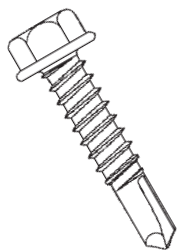


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Selector Guide



| Part Number | Description | Head Style | Drill Point | Drill & Tap Capacity | Max. Material Attachment | Box Qty | Applications |
|-------------|-----------------|------------|-------------|----------------------|--------------------------|---------|---|
| 1134000 | 12-14 x 3/4" | HWH | #3 | .036-.210 | .270 | 5,000 | <ul style="list-style-type: none"> • Roof deck to steel framing • Wall panel to girt • Duct work to steel framing • Accessories to steel framing • Clip to steel framing • Retrofit framing |
| 1136000 | 12-14 x 1" | HWH | #3 | .036-.210 | .520 | 4,000 | |
| 1120000 | 12-14 x 1-1/4" | HWH | #2 | .036-.210 | .550 | 4,000 | |
| 1123000 | 12-14 x 1-1/2" | HWH | #2 | .036-.210 | .800 | 2,500 | |
| 1140000 | 12-14 x 2" | HWH | #3 | .036-.210 | 1.450 | 2,000 | |
| 1553000 | 12-14 X 2-1/2" | HWH | #3 | .036-.210 | 1.950 | 1,000 | |
| 1143000 | 12-14 x 3" | HWH | #3 | .036-.210 | 2.450 | 1,000 | |
| 1146000 | 12-14 x 4" | HWH | #3 | .036-.210 | 3.450 | 500 | |
| 1147000 | 1/4-14 x 3/4" | HWH | #3 | .036-.210 | .210 | 3,000 | |
| 1149000 | 1/4-14 x 1" | HWH | #3 | .036-.210 | .400 | 2,500 | |
| 1150000 | 1/4-14 x 1-1/4" | HWH | #3 | .036-.210 | .650 | 2,000 | |
| 1152000 | 1/4-14 x 1-1/2" | HWH | #3 | .036-.210 | .900 | 2,000 | |
| 1155000 | 1/4-14 x 2" | HWH | #3 | .036-.210 | 1.400 | 1,500 | |
| 1554000 | 1/4-14 x 2-1/2" | HWH | #3 | .036-.210 | 1.900 | 1,000 | |
| 1157000 | 1/4-14 x 3" | HWH | #3 | .036-.210 | 2.400 | 1,000 | |
| 1304000 | 1/4-14 x 4" | HWH | #3 | .036-.210 | 3.400 | 500 | |
| 1586000 | 1/4-14 x 3/4" | *HWH | #3 | .036-.210 | .250 | 3,000 | <ul style="list-style-type: none"> • Commercial overhead steel doors, hinges & latches. |
| 1587000 | 1/4-14 x 1" | *HWH | #3 | .036-.210 | .500 | 2,500 | |

* 7/16" Across Flats HWH with serrations under head.

Performance Data

| PULLOUT VALUES (average lbs. ultimate) | | | | | | | | | | |
|--|-----|-------------|-----|-----|-----|-----|-----|------|------|------|
| Fastener | | Steel Gauge | | | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 3/16 |
| 12 | 2 | 156 | 243 | 283 | 375 | 605 | 848 | 1181 | 1856 | 3520 |
| | 3 | 142 | 211 | 289 | 341 | 551 | 757 | 1063 | 1631 | 2998 |
| 1/4 | 3 | 141 | 231 | 293 | 346 | 613 | 880 | 1145 | 1858 | 4550 |

| SHEAR VALUES (average lbs. ultimate) | | | | | | | | | |
|--------------------------------------|-----|----------------------|-----|-----|-----|------|------|------|------|
| Fastener | | Steel Gauge (lapped) | | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| 12 | 2 | 365 | 600 | 623 | 898 | 1370 | 1758 | 2138 | 2202 |
| | 3 | - | - | - | 769 | 1358 | 1620 | 1970 | 1986 |
| 1/4 | 3 | - | - | - | 930 | 1442 | 2100 | 2584 | 2650 |

| FASTENER VALUES | | | |
|--------------------|---------------------|------------------------|------------------------|
| Fastener (dia-tpi) | Tensile (lbs. min.) | Shear (avg. lbs. ult.) | Torque (min. in. lbs.) |
| 12-14 | 2778 | 2000 | 92 |
| 1/4-14 | 4060 | 2600 | 150 |

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

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.
- 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.



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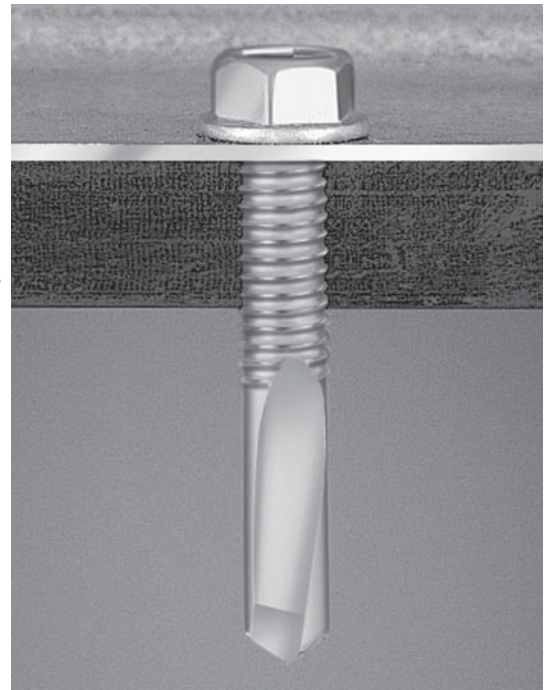
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TEKS®

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

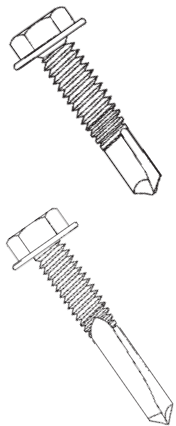


Hex Washer Head

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.

