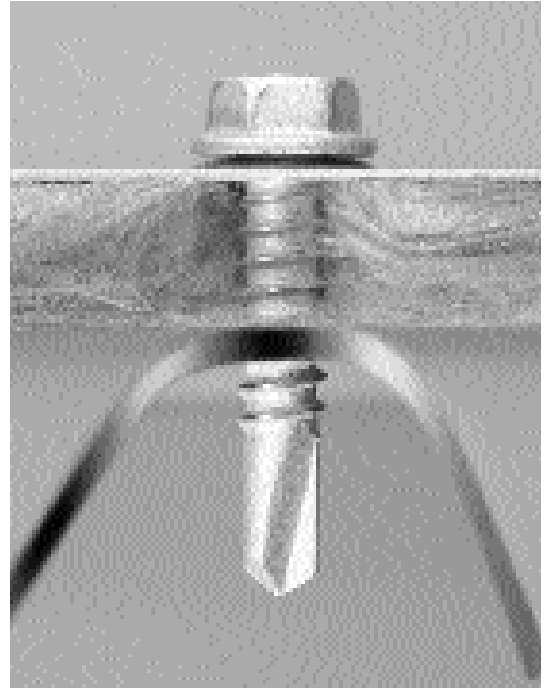


# TEKS<sup>®</sup>

## Self-Drilling Fasteners

The best point ever for speed and consistency ... optimum for medium duty steel-to-steel applications.



### Applications

- Roof deck to steel framing.
- Wall panel to girt.
- Duct work to steel framing.
- Accessories to steel framing
- Clip to steel framing.
- Retrofit framing.
- Commercial overhead steel doors, hinges & latches.

### Product Features

- Point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Point to thread design maximizes pullout performance and minimizes backout.
- Drills and taps in the broadest range of applications.
- Climaseal<sup>®</sup> finish provides excellent corrosion resistance and lower tapping torque.

### Product Specifications

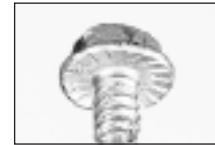
|                   |                             |
|-------------------|-----------------------------|
| Diameter .....    | #12, 1/4                    |
| Thread Form ..... | 12-14                       |
|                   | 1/4-14                      |
| Head Style.....   | #12: 5/16" HWH              |
|                   | 1/4: 3/8" HWH               |
|                   | 1/4 Overhead Door Fasteners |
|                   | 7/16" HWH with Serrations   |
| Drill Point ..... | Teks 2                      |
|                   | Teks 3                      |
| Finish.....       | Climaseal                   |

### Head Style

Hex Washer Head



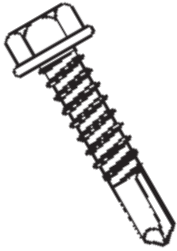
Hex Washer Head with Serrations



### Approvals and Listings

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

**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"> <li>• Roof deck to steel framing.</li> <li>• Wall panel to girt.</li> <li>• Duct work to steel framing.</li> <li>• Accessories to steel framing.</li> <li>• Clip to steel framing.</li> <li>• Retrofit framing.</li> </ul> |
| 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     |                                                                                                                                                                                                                                                               |
| <b>All available with bonded washer.</b> |                 |            |             |                      |                          |         |                                                                                                                                                                                                                                                               |
| 1586000                                  | 1/4-14 x 3/4"   | *HWH       | #3          | .036-.210            | .250                     | 3,000   | <ul style="list-style-type: none"> <li>• Commercial overhead steel doors, hinges &amp; latches.</li> </ul>                                                                                                                                                    |
| 1587000                                  | 1/4-14 x 1"     | *HWH       | #3          | .036-.210            | .500                     | 2,500   |                                                                                                                                                                                                                                                               |
| *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 Tek screws. 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 stripping of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

