

TEKS[®] SELECT

SELF-DRILLING FASTENERS

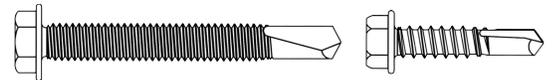
Grade 5 performance! TEKS SELECT fasteners have the strength and ductility performance similar to Grade 5 bolts.



PRODUCT FEATURES

- Selectively hardened to eliminate the effects of hydrogen assisted stress corrosion (HASCC).
- Climaseal[®] advanced corrosion resistance coating (ACR) provides the best corrosion resistance available.
- Drill point and thread design enable the TEKS fastener to drill and tap with fewer stalls.

SELECTOR GUIDE



| PART NO. | DESCRIPTION | HEAD STYLE | DRILL POINT | FINISH | DRILL & TAP CAPACITY (IN.) | MAX. MATERIAL ATTACHMENT* (IN.) | APPLICATIONS |
|----------|-----------------|------------|-------------|---------------|----------------------------|---------------------------------|---|
| 1076000 | 10-16 x 3/4" | 5/16" HWH | 3 | Climaseal ACR | .150 | .500 | Glass and metal curtain walls |
| 1080000 | 12-14 x 1" | 5/16" HWH | 3 | Climaseal ACR | .187 | .500 | Designed to meet the challenges of attaching similar or dissimilar metals |
| 1119000 | 1/4-20 x 1" | 3/8" HWH | 3 | Climaseal ACR | .210 | .450 | Grade 5 nut and bolt substitution |
| 1124000 | 1/4-20 x 1-1/8" | 3/8" HWH | 4 | Climaseal ACR | .312 | .500 | Fenestration: Window systems, door systems and glue front systems |
| 1125000 | 1/4-20 x 1-1/2" | 3/8" HWH | 4 | Climaseal ACR | .312 | .830 | Anchoring metal clips to metal structures for masonry facades |
| 1078000 | 1/4-20 x 2" | 3/8" HWH | 4 | Climaseal ACR | .312 | 1.330 | Solar system attachment |

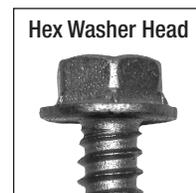
*Maximum material attachment is indicated by arrows.



INSTALLATION GUIDELINES

- The screws must be installed perpendicular to the work surface using a screw driving tool. The installation speed for 1/4" screws should not exceed 1,800 RPM. The installation speed for all other screws should not exceed 2,500 RPM.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The screw must penetrate through the supporting metal with a minimum of three threads protruding past the back side of the supporting metal, or the length which ensures that only the load-bearing area of the screw is engaged in the material being fastened, whichever is greater.
- The fastener must penetrate beyond the metal structure a minimum of 3 threads.

HEAD STYLE



APPROVALS AND LISTINGS

ICC ESR-3223, COLA RR25915

PERFORMANCE DATA

| PULLOUT VALUES (AVERAGE LBS. ULTIMATE) | | | | | | | | | | | | |
|--|-----|----------------|--------------|----------------|--------------|-----------------|------------------|-----------------|------------------|------------------|-----------------|-----------------|
| FASTENER | | STEEL GAUGE | | | | | | | | ALUMINUM 6063-T5 | | |
| DIA. | PT. | 18 45.5 KSI | 16 63 KSI | 14 55.5 KSI | 12 63 KSI | 1/8 56.9 KSI | 3/16 65.3 KSI | 1/4 48.1 KSI | 5/16 49.1 KSI | 1/8 32.4 KSI | 1/4 32.1 KSI | 3/8 27.7 KSI |
| #10 | 3 | 401 | 699 | 1010 | 1680 | 2183 | - | - | - | 745 | - | - |
| #12 | 3 | 400 | 561 | 964 | 1516 | 2149 | 2877 | - | - | 1008 | 2543 | - |

| SHEAR VALUES (AVERAGE LBS. ULTIMATE) | | | | | | | | | | |
|--------------------------------------|-----|---------------|-------|-------|-------|----------|----------|--------|--------------------|---------|
| FASTENER | | STEEL GAUGE** | | | | | | | ALUMINUM 6063-T5** | |
| DIA. | PT. | 18-18 | 18-14 | 16-16 | 14-14 | 1/8-3/16 | 3/16-1/4 | 12-1/4 | 1/8-1/8 | 1/8-1/4 |
| #10 | 3 | 996 | 1872 | 1331 | - | - | - | - | 1526 | - |
| #12 | 3 | 965 | 1803 | 1360 | 1815 | - | - | - | 1846 | 2488 |

** KSI values are the same as listed in the Pullout Values table

| MECHANICAL PROPERTIES | | | |
|-----------------------|-----|---|---|
| FASTENER | | YIELD STRENGTH F _y KSI (MPa) | TENSILE STRENGTH F _u KSI (MPa) |
| DIA. | PT. | | |
| #10 | 3 | 134 ksi (920 MPa) | 152 ksi (1054 MPa) |
| #12 | 3 | 134 ksi (920 MPa) | 152 ksi (1054 MPa) |

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

