




HTZ™

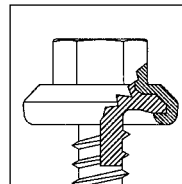
High Torque Zinc Die-Cast Long Life Metal Building Tek® Fasteners

Buildex HTZ fasteners exhibit the highest torsional head strength in the zinc die cast market... no head failures.










Applications

-  Panel over blanket insulation to steel frame.
-  Stitch roof and wall sidelaps.
-  Standing seam roof system endlaps.



No Mar Radius Head Design

Product Features

-  HTZ patented Internal Spline provides the strongest torsional values in the industry... no head failures.
-  Zinc aluminum alloy head provides acceptable long life resistance... no red rust.
-  No mar radius head design will not scratch, pierce or damage panels if overdriven.
-  Indented HWH provides excellent socket stability.
-  For improved appearance and extra life an integral design controls the EPDM washer... maximum sealing protection.
-  Non-walking point, fast material engagement.
-  Point-to-thread design maximizes pullout performance and minimizes backout.

Product Specifications

Diameter#12, 1/4
Thread Form.....12-14, 1/4-14
Point Type.....Tek 1, Tek 2
Finish.....Climaseal®
Select Sizes Available with P³ Powder Paint

Head Style



5/16 HWH Zinc-Aluminum Alloy with Integral Washer Design

HTZ™ HIGH TORQUE ZINC DIE CAST LONG LIFE TEKS FASTENERS

Selector Guide



| Part Number | Description | Head Style | Drill Point | Drill & Tap Capacity | Max. Material Attachment |
|-------------|-----------------|------------|-------------|----------------------|--------------------------|
| 1721053 | 1/4-14 x 7/8" | HTZ | #1 | .024-.095 | .320 |
| 1725053 | 12-14 x 1-1/4" | HTZ | #2 | .024 - .095 | .560 |
| 1723053 | 1/4-14 x 1-1/4" | HTZ | #2 | .036-.210 | .630 |

Performance Data

| PULLOUT VALUES (average lbs. ultimate) | | | | | | | | | | | |
|--|-----|-------------|-----|-----|-----|-----|------|------|------|------|------|
| Fastener | | Steel Gauge | | | | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 | 3/16 | 1/4 |
| 12 | 2 | 156 | 243 | 283 | 375 | 605 | 848 | 1181 | 1856 | 3520 | - |
| 1/4 | 1 | 208 | 329 | 428 | 562 | 800 | 1151 | - | - | - | - |
| | 2 | 141 | 231 | 293 | 346 | 613 | 830 | 1145 | 1858 | 4550 | - |
| | AB | 235 | 365 | 496 | 597 | 702 | 926 | 1180 | 1690 | 3446 | 4212 |

| 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 |
| 1/4 | 1 | 511 | 849 | 885 | 1244 | 1764 | - | - | - |
| | 2 | - | - | - | 930 | 1442 | 2100 | 2584 | 2650 |
| | AB | 422 | 482 | 669 | 889 | 1157 | - | - | - |

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

Note: Tekes 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.

| 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 |

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. 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.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



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