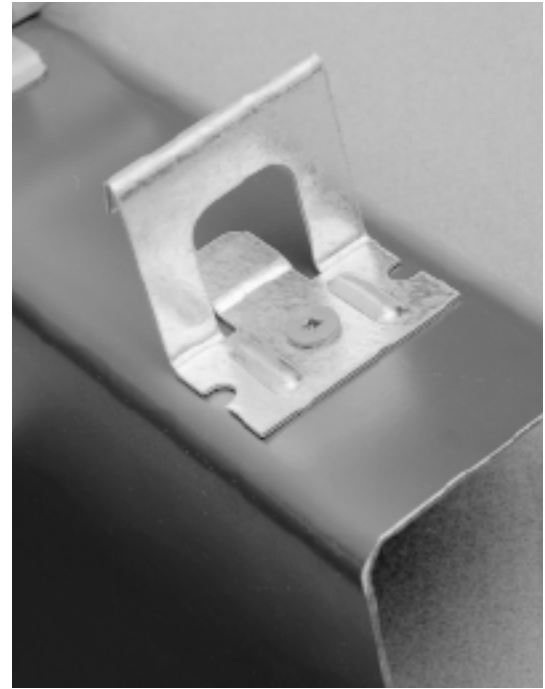


TEKS®

Low Profile Architectural Metal Roof Clip Fasteners & Rake Angle Shoulder Tekes

Incorporates the ITW exclusive Phillips Square-Drive® anti-cam-out system.



Applications

Low profile architectural metal roof clips to steel purlin.

Low profile architectural metal roof clips to wood supports.

Product Features

- #12 diameter utilizes the ITW exclusive Phillips Square-Drive with patented interlocking components system.
 - Excellent installation stability.
 - Extended bit driver life.
 - Keeps the driver securely mated to the fastener during installation.
 - Hands-free installation.

- Both fasteners are finished with a corrosion resistant coating. Teks 3 fasteners are available with Gray Spex™ coating; Type A fasteners with Climacoat®.

- Sharp convex drill point has precise cutting edges to improve drill performance with less effort.

- #10 Diameter uses the coated Phillips drive system providing improved driver bit to fastener stability and friction fit.

- Low profile pancake head style ensures proper installation of metal roof panels.

Product Specifications

Low Profile

| | |
|-------------------|---|
| Diameter | #10, #12 |
| Thread Form | 10-16 (Teks 3), 10-12 (Type A) 12-14 (Teks 3), 12-11 (Type A) |
| Head Style | #10: #2 Phillips Pancake #12: #2 Phillips Square-Drive Pancake |
| Drill Point..... | Teks® 3, Type A |
| Finish..... | Climacoat (Type A) |
| | Gray Spex (Teks 3) |

Rake Angle

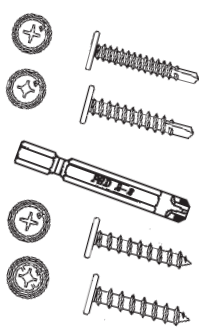
| | |
|-------------------|------------|
| Diameter..... | 1/4 |
| Thread Form | #10, #14 |
| Head Style | HWH |
| Drill Point | #3, #4.5 |
| Finish | Climaseal® |

#2 Phillips Square-Drive®

#2 Phillips

#2 PSD Bit

Selector Guide



| Part Number | Description | Head Style | Drill Point | Drill & Tap Capacity | Max. Material Attachment | Box Qty | Applications |
|-------------|------------------|---------------------|-------------|----------------------|--------------------------|---------|---|
| 1560553 | 10-16 x 1" | #2 Phillips Pancake | #3 | .036-.175 | .550 | 4,000 | • Low profile architectural metal roof clip to steel purlin. |
| 1575553 | 12-14 x 1" | #2 PSD Pancake | #3 | .036-.210 | .550 | 4,000 | |
| 1713053 | *1/4-14 x 1-1/4" | HWH | #3 | .036-.210 | .617 | 2,500 | |
| 1718053 | *1/4-20 x 1-1/4" | HWH | #4.5 | .125-.375 | .440 | 2,500 | |
| 1588910 | #2 PSD Bit | | | | | 1 | • For #12 Diameter Fastener |
| 1596553 | 10-12 x 1" | #2 Phillips Pancake | Type A | .012-.048 | .250 | 4,000 | • Low profile architectural metal roof clip to wood supports. |
| 1640553 | 10-12 x 1-1/2" | #2 Phillips Pancake | Type A | .012-.048 | .750 | 2,500 | |
| 1597553 | 12-11 x 1" | #2 PSD Pancake | Type A | .012-.048 | .250 | 4,000 | |

* with depth of shoulder

Performance Data

| Pullout Values (average lbs. ultimate) | | | | | | | | | |
|--|-------|-------------|-----|-----|-----|-----|-----|-----|------|
| Fastener | | Steel Gauge | | | | | | | |
| Dia. | Pt. | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 12 |
| #10 | 3 | 109 | 180 | 218 | 278 | 427 | 583 | 873 | 1406 |
| #12 | 3 | 139 | 194 | 250 | 369 | 450 | 598 | 915 | 1500 |
| #10 | TypeA | 192 | 280 | 360 | 460 | 568 | - | - | - |
| #12 | TypeA | 193 | 300 | 387 | 464 | 621 | - | - | - |

| Fastener Values | | | | |
|--------------------|--------|---------------------|------------------------|------------------------|
| Fastener (dia-tpi) | Point | Tensile (lbs. min.) | Shear (avg. lbs. ult.) | Torque (min. in. lbs.) |
| 10-16 | #3 | 1983 | 1400 | 78 |
| 12-14 | #3 | 2652 | 2000 | 92 |
| 10-12 | Type A | 2581 | 1426 | 81 |
| 12-11 | Type A | 3634 | 1994 | 132 |







| 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. | 20 gauge | 18 gauge | 16 gauge | 14 gauge |
| #10 | 3 | 727 | 1164 | 1366 | 1460 |
| #12 | 3 | 923 | 1279 | 1657 | 1933 |

| pullout values (average lbs. ultimate) | | | | | | |
|--|--------|-----------------------|--------------|--------------|-------------|----------|
| Fastener | | Wood Type & Thickness | | | | |
| Dia. | Pt. | 1/2" Plywood | 5/8" Plywood | 3/4" Plywood | Yellow Pine | 3/4" OSB |
| #10 | Type A | 364 | 382 | 400 | 579 | 288 |
| #12 | Type A | 377 | 395 | 427 | 675 | 326 |

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 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.
-  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 a minimum of 3 pitches of thread beyond the metal structure.
-  New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

