

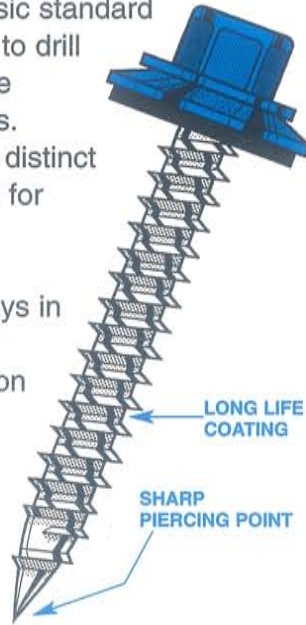
DUAL-GRIP

IDEAL DUAL-GRIP SLT

BUILDING FASTENERS

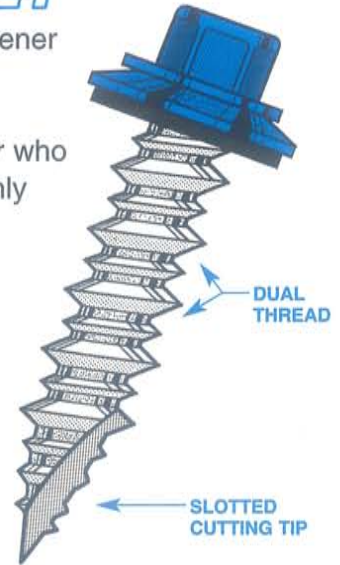
IDEAL'S PROVEN PERFORMERS

DUAL GRIP Our classic standard post frame fastener is designed to drill exceptionally fast penetrating the metal/wood substrate in seconds. The twin lead screw with its two distinct threads locks tightly in the wood for greater pull out resistance than ordinary thread configurations. The sharp self-piercing point stays in place on the metal prior to installation to prevent "walking" on the metal sheet, which can mar the metal painted surface. The Dual-Grip is the number one choice in the industry for metal-to-wood applications.



DUAL-GRIP *SLT*

Ideal's premium post frame fastener is designed for the builder who demands the very best for his customer's projects. The builder who understands that value is not only the price, but with the overall performance of a component. The SLT is engineered to meet the challenge of these individuals. The fastener features a special cutting slot at the tip of the screw for faster more consistent drill times than ordinary post frame fasteners. The dual high and low threads increase pull out resistance in the wood material by as much as a 20% when compared to other thread designs. The larger diameter increases the screws physical strength and ultimately adds to the strength of the physical joint. Reliability, integrity, and superior performance best describe the Dual-Grip SLT.



DEMAND THE BEST!

IDEAL'S PREMIUM PERFORMANCE FASTENERS FOR THE POST FRAME INDUSTRY

Ideal's post frame fasteners are manufactured to exacting standards to assure fast reliable installation. Our quality control facility constantly monitors the fasteners progress to guarantee the final product meets or exceeds our specifications.

All of our post frame fasteners are protected from the elements with our exclusive X-Tend long life finish. X-Tend is a field proven coating with over 30 years of outdoor testing, making it the most reliable coating on the market today. The coating is a mechanical zinc finish with a topcoat sealer for excellent weather resistance. X-Tend outperforms many of the other so-called "long-life" coatings available due to its self-sacrificing properties, which increase corrosion resistance.

Ideal's Dual-Grips are assembled to our Ever-Seal sealing washer. The hot-bonded EPDM rubber and G-90 metal washer is a full half-inch in diameter. The EPDM rubber is specially blended to resist all types of weather conditions and atmospheric pollutants. Custom color matching for our post frame fasteners is available for any metal panel color. Our proprietary Color-Rite paint system assures you have an exact match each and every time. The polyurethane paint, manufactured by a world leader in the coatings industry, has excellent adhesion and weathering characteristics. When coupled with our X-Tend coating our fasteners outperform the competitions in accelerated weathering tests.

Dual-Grip and Dual-Grip SLT the proven performers

DUAL-GRIP AND DUAL-GRIP *SLT*

DIMENSIONAL PROPERTIES & STRENGTH OF FASTENER

| | Outside Thread Dimensions | | Min. Tensile | Min. Shear | Min. Torsional |
|---------------|---------------------------|------|--------------|------------|----------------|
| | Max. | Min | | | |
| DUAL GRIP | .181 | .170 | 1,710 lbs. | 910 lbs. | 55 in. lbs. |
| DUAL-GRIP SLT | .194 | .183 | 1,825 lbs. | 965 lbs. | 60 in. lbs. |

These are conservative values.

PULL OUT VALUES IN VARIOUS WOOD SUBSTRATES

| | Average Pull Out in Lbs. Embedment in Wood 1" | | | | | |
|---------------|---|--------------|--------|--------|-------|------|
| | Pine | Treated Pine | Poplar | Spruce | Cedar | Oak |
| | DUAL GRIP | 313 | 377 | 451 | 432 | 529 |
| DUAL-GRIP SLT | 384 | 514 | 506 | 579 | 666 | 1219 |

The test results shown are believed to be reliable. However, variances in testing and actual field conditions may alter the results. There is no expressed or implied warranty on the test data.

PULL OVER TESTS

| Washer Outside Dimen. | 29 Gage Sheet (.0172) |
|--------------------------------------|-----------------------|
| 12 MM Washer (.463) (Competition) | 484 lbs. |
| 1/2" Ever-Seal (.500) (Ideal) | 554 lbs. |

STANDARD PACKAGING SPECIFICATIONS

| X-Tend Coat Self-Driving Screws with Bonded Ever-Seal Washer | | |
|--|-------------|-----------|
| Size | Est. Wt./M. | Pcs./Ctn. |
| 1" | 9.2 | 3000 |
| 1½" | 11.9 | 2500 |
| 2" | 14.1 | 2000 |
| 2½" | 16.9 | 1000 |
| 3" | 18.9 | 1000 |

Longer lengths available. Please call for additional information.

X-TEND FINISH

What is X-Tend finish? X-Tend is a process utilizing the mechanical deposition of zinc with a topcoat of hexavalent chrome and top sealer. Mechanical zinc allows the processor the ability to deposit zinc in a uniform precise method insuring that all parts of the fastener are evenly coated. The process eliminates hydrogen embrittlement common with electrodeposited coatings. X-Tend is an excellent barrier coating inhibiting climatic and chemical elements from corroding the fastener.

ADVANTAGES

Uniformity: The mechanical deposition of zinc provides a smooth uniform coating, insuring an even coating thickness on the entire fastener.

Coating Thickness: Controlled through custom computerized processing equipment. Allows for increased thickness of zinc when compared to ordinary electro-deposited coatings.

Barrier Coat: X-Tend provides several layers of protection providing an excellent barrier in inhibiting corrosion of the fastener.

ENVIRONMENTAL TEST CHAMBER RESULTS

| Dual Grip fasteners "driven" into 29 gage metal and 1" wood prior to testing | Fastener Finish | Hours to White Rust | Hours to Red Rust | Cycle 25% Red Rust |
|--|-----------------|---------------------|-------------------|--------------------|
| Salt Spray ASTM B-117 DIN 50018 | Plain | 336 | 984 | |
| Kesternich per SFW 2.05 | Plain | | | 10 |
| Kesternich per SFW 2.05 DIN 50018 | Painted | | | 14 |

NOTE: Many fastener companies do not drive screws prior to testing. Therefore, their test results do not reflect field conditions.