Overview

Outperforms the Competition

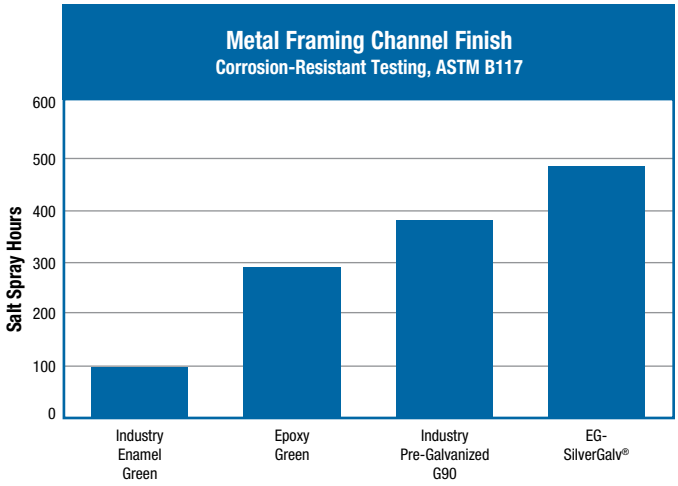
Superstrut® SilverGalv®

The Superstrut® SilverGalv® finish is a post-fabrication, 12-step electrogalvanizing process that applies a clear conversion coat over .5 mils of zinc. This process provides a strong, cohesive molecular bond that locks out moisture and superior corrosion resistance over standard G90 pre-galvanized channel.

- **No More White Rust** — With pre-galvanized struts, a common quality issue is the formation of white rust on the zinc finish. With SilverGalv®, a clear conversion coat is applied over the zinc to seal it and stop the formation of white rust.
- **Strong Abrasion Resistance** — The SilverGalv® finish won't chip or peel like a green painted strut product. It stands up to rough handling.
- **Superior Corrosion Protection** — One hallmark of the SilverGalv® finish is the superior corrosion protection it provides. In the ASTM B117 salt spray test, the new SilverGalv® finish provided improved protection as compared to painted finishes or G90 Pre-Galvanized. This outstanding corrosion protection means more versatile installations and more service life for SilverGalv® finished products.
- **Punched Holes and Cut Ends Are Protected** — Unlike a pre-galvanized finish where bare steel holes and cuts have no corrosion protection, SilverGalv® protects every portion of the strut. Because the SilverGalv® finish is applied after fabrication, all punched holes and cut ends share a consistent quality with the rest of the material — even after cutting or fabricating. SilverGalv® will continue to protect with it's sacrificial zinc process.
- **Paintable Surface** — The new SilverGalv® finish provides a non-porous and non-crystalline surface. Not only does this feature provide enhanced corrosion protection, but also provides an excellent bond for the paint of your choice.
- **Clean Finish** — SilverGalv® ensures a finished product that leaves no residue on your hands. In the SilverGalv® process, a zinc finish is applied after fabrication. As a result, all of the oil and grime that accumulates during manufacturing gets thoroughly cleaned off during the plating process.
- **Great Electrical Conductivity** — Unlike paint or enamel, the SilverGalv® surface offers a minimum of electrical resistance, so electrical applications are easily grounded when grounding is needed.

Complete Offering of SilverGalv® Fittings and Accessories

Mismatched strut assemblies are a thing of the past with Superstrut SilverGalv. With a complete line of channel, hardware, fittings, hangers and pipe straps, all components have the same electrogalvanized finish for consistent performance and uniform aesthetics.



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Finishes *(continued)*

GoldGalv®

The standard GoldGalv® finish is made up of a multi-step electrogalvanizing and zinc trivalent chromium process. The trivalent chromium finish is applied over the zinc, producing a chemically bonded non-porous barrier for protection from moisture and air. The .5 mil electro-plated zinc and gold trivalent chromium finish provides all of the features and protection of hexavalent chromium without the use of the chemical.

SilverGalv® (Suffix EG)

Often referred to as "zinc plated" or "electroplated zinc," the steel and .5 mils of zinc are bonded by an electrolysis process. This is the identical process used in the Superstrut Goldgalv® finish without the numerous benefits of the gold-colored trivalent chromium conversion coat (see GoldGalv® finish for more information). Electrogalvanizing is most commonly applied to small fittings, hardware and threaded products.

Green or White Urethane Powder Coated (Suffix GR or WH)

Urethane powder resins are applied electrostatically to the steel after fabrication. Once the material is completely covered with the powder-form urethane, it proceeds through a 400˚ baking process for ten minutes, creating a chemical bond. This results in a minimum of 1.5 mil thickness of urethane coating, providing excellent resistance to chipping or peeling.

Pregalvanized (Suffix PG)

A zinc coating is applied by hot-dipping the steel coil at the mill prior to fabrication. Once the material is worked by roll-forming, cutting or punching, minimal protection is provided for raw edges. This weakness is typical with precoated material and affects the channel section around holes, extreme ends and the edges of the "U" shape lips. Superstrut pregalvanized material is in conformance with ASTM A-525/G-90 specification standards, representing 0.90 ounces of zinc per square foot of steel. This finish is often referred to as "hot-dipped mill galvanized" or "mill galvanized."

Hot-Dipped Galvanized (Suffix HDG)

The material is zinc coated after fabrication, providing total product protection on all surfaces. The fabricated channel or fitting is suspended and then dipped into tanks of hot zinc for a prolonged period, creating a coherent bond. The result is superior corrosion resistance as compared to pregalvanized material. Hot-dipped galvanizing is not recommended for threaded products, because the thickness of the zinc coating will often disrupt the threads. Superstrut hot-dipped galvanized is in conformance with ASTM Specifications A-123 (formerly A-386) and A-153. Superstrut channels maintain a minimum 1.5 ounces of zinc per square foot of steel or 2.5 mils (ASTM A-123, Thickness Grade 65). This finish is also referred to as "hot-dipped galvanized after fabrication."

PVC Coated (Suffix PVC)

A polyvinyl chloride (PVC) plastic coating is fused to the channel, fitting or accessory after fabrication by immersing the part in fluidized PVC tanks. The fused-melt mixed powder PVC coating thickness is 15 mils (.015") plus or minus five mils. PVC material is a thermoplastic and will soften in high temperature. An inherent weakness with PVC coatings occurs when field alterations are applied, such as cutting or drilling. These acts disrupt the sealed PVC product and warrant field touch-up. Thomas & Betts cannot be held responsible for field-altered PVC coated products.

Copper Plated ("T" inserted as the second digit of the part number; Example: CTL-710-2)

Plain steel proceeds through a series of rinse tanks to clean the material surface. Once cleaned, the fabricated part is etched by dipping into an acid pickle bath to prepare the surface for adhesion. Copper is electrically applied by submerging in a copper bath. To seal the finish, the product continues to a sealer tank and is then dried by forced hot air.

Black (Suffix B)

A black finish is raw steel with only a light oil finish as supplied by the steel manufacturer. There is no protection against red rust.

Stainless Steel (Suffix SS)

Superstrut channel is supplied in type 304 stainless steel when required. Type 316 stainless steel may be available upon request.

Aluminum (Suffix AL)

Superstrut channel and hardware are available in aluminum.

Warning: Load tables, charts and design criteria provided in this catalog are intended as guides only. Selection of proper product, installation intervals, erection and placement are the responsibility of the user.

Superstrut® products are intended to be used for the support and bracing of fixtures, cable, pipe and conduit. Improper use or installation may result in injury to persons or damage of property.

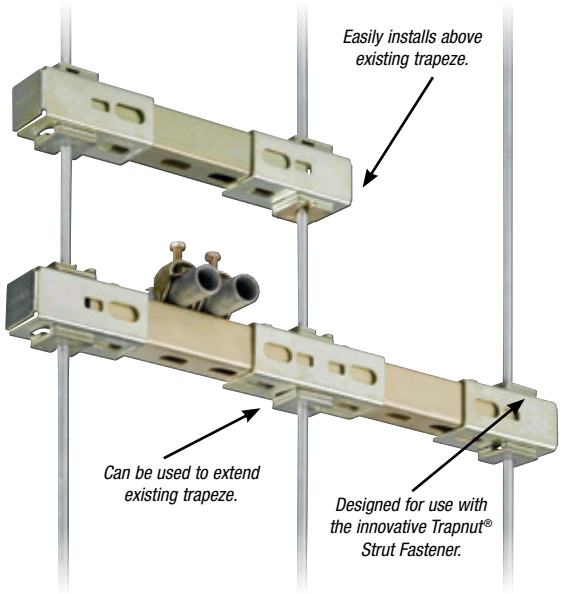
Material and finish specifications are subject to change without notice.

Handle Retrofit Trapeze Applications with Ease!

Trap-Eze™ Connector

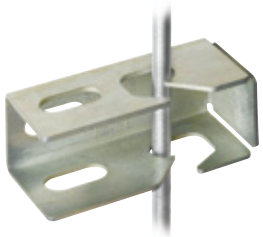
The innovative Trap-Eze™ Connector changes a time-consuming retrofit trapeze application into a streamlined process. Using a Trapnut® Strut Fastener, the new Trap-Eze™ Connector can be easily installed above or to the side of an existing assembly, eliminating the need to disassemble and reassemble the trapeze. It is designed for use with shorter strut lengths that can vary in length by as much as an inch, so the strut can be rough cut versus labor-intense precision cuts.

- Easily installs above or to the side of an existing assembly, eliminating the need to disassemble and reassemble the trapeze
- Connectors can be reused upon disassembly of a trapeze
- Designed for either ⅜" and ½" threaded rod
- Designed for use with the innovative Trapnut® Strut Fastener, which can take up to 43% less time than standard nuts and washers on retrofit trapeze applications
- View window provides safety zone for strut length



View window provides strut length safety zone for rough cuts versus precision cuts.

CAT. NO.	DESCRIPTION	STD. CTN.
For Superstrut® or other 1⅝" Strut		
AB221	Trap-Eze™ End Connector GoldGalv®	20
AB222	Trap-Eze™ Mid Connector GoldGalv®	10
AB221EG	Trap-Eze™ End Connector SilverGalv®	20
AB222EG	Trap-Eze™ Mid Connector SilverGalv®	10
For 1½" Kindorf Channels		
B998	Trap-Eze™ End Connector Galv-Krom®	20
B999	Trap-Eze™ Mid Connector Galv-Krom®	10
B998EG	Trap-Eze™ End Connector SilverGalv®	20
B999EG	Trap-Eze™ Mid Connector SilverGalv®	10



Unique safety slot maintains bracket position on threaded rod and prevents disengagement of the trapeze system.

Square Washer

AB-241

CAT. NO.	BOLT SIZE (IN.)	STD. CTN.
AB-241-1/4	¼	100
AB-241-5/16	5/16	100
AB-241-3/8	⅜	100
AB-241-1/2	½	100
AB-241-5/8	⅝	100
AB-241-3/4	¾	50

Located Square Washer

AB-241L

CAT. NO.	BOLT SIZE (IN.)	STD. CTN.
AB-241L-1/4	¼	100
AB-241L-5/16	5/16	100
AB-241L-3/8	⅜	100
AB-241L-1/2	½	100
AB-241L-5/8	⅝	100