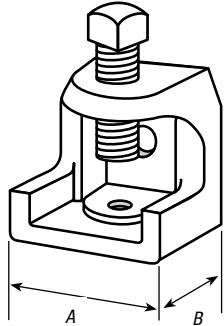


Beam Clamps

Beam Clamps — Malleable Iron, Silver Electroplated Finish



CAT. NO.	BASE SIZE (IN.)		JAW OPENING (IN.)	TAPPING OF BASE AND BACK HOLES	SET SCREW LOAD RATING [†]	TORQUE IN INCH-LBS.	STD. CTN.
	A	B					
500-SC	1	1¼	1⅞	¼-20	250	60	50
501	1½	1¾	⅞	⅜-18	500	60	50
502	2	2	1	⅝-16	750	120	50
503-SC	2½	2½	1	½-13	1,250	250	20
507	2½	2¾	1¾	½-13	1,250	250	20
508	2½	2¾	2½	½-13	1,250	250	10
509	1	1¼	1⅞	10-24	150	60	100
510	2⅞	1¾	⅞	¼-20	250	40	100
511-SC	2⅞	1¾	⅞	10-24	150	40	100

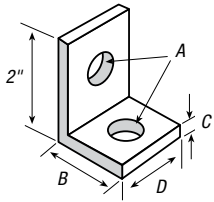
[†]Safety Factor of 3.

Load Ratings based on bottom hole of Beam Clamp.

CSA File No. LR-52208.

Also available in 316 stainless steel.

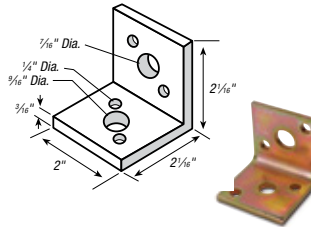
U-540 — Side Hanger Clip



CAT. NO.	A (IN.)	B (IN.)	C (IN.)	D (IN.)	STD. CTN.
540 3/8	⅞	1⅞	¼	⅞	25
540 1/2 EC	⅞	1⅞	¼	1⅞	25
540-5/8	1⅞	2½	⅜	2	25
540-3/4	1⅞	2½	⅜	2	25

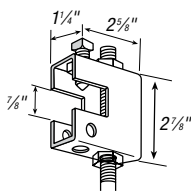
Finishes — GoldGalv® brand or Black (B)

U-542 — Side Hanger Clip

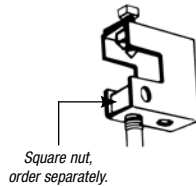


CAT. NO.	ROD SIZE	DESIGN LOAD (LBS.)
544	⅜"	610
	½"	1,000

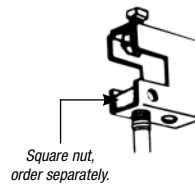
Finishes — GoldGalv® brand or Black (B) Standard Finish — GoldGalv®, EG, HD, & SS available.



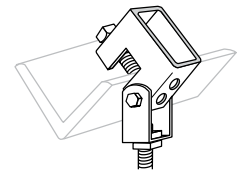
U562
Beam Clamp
½" set screw included.
Rod Size: ½"
Design load 500 lbs.



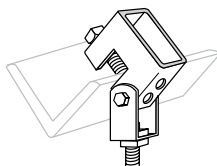
U562
Beam Clamp Optional Use
½" set screw included.
Rod size: ½"
Design load 800 lbs.
For 20° swivel application, use ES-145-1/2 nut.



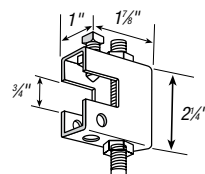
U563
Beam Clamp Optional Use
⅜" set screw included.
Rod size: ⅜"
Design load 400 lbs.



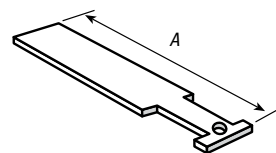
U563
Beam Clamp with Swing Hanger
⅜" set screw included.
Rod sizes: ⅜"
Design load 540 lbs.



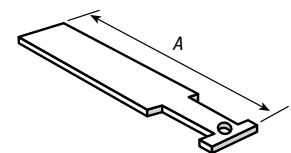
U562
Beam Clamp with Swing Hanger
½" screw included.
Rod size: ½"
Design load 800 lbs.



U563
Beam Clamp
⅜" set screw included.
Rod size: ⅜"
Design load 250 lbs.



U-568
Beam Clamp Safety Strap
Standard Finish — GoldGalv® brand
For U-563 beam clamp.



U-568
Beam Clamp Safety Strap
Standard Finish — GoldGalv® brand
For U-562 beam clamp.

Overview

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.

