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.

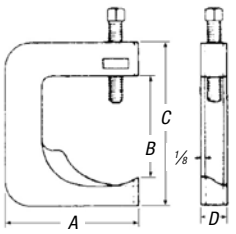
Beam Clamps

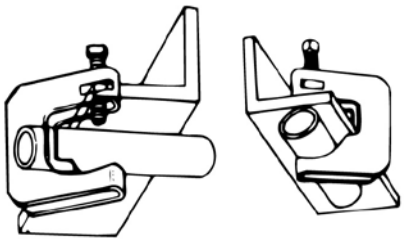
C-247, C-248 & C-249 — Steel Conduit Clamps

- A versatile clamp for attaching conduit to any type of beam, channel, angle or column
- Designed to hold the conduit snug against the support with conduit either parallel or at right angle to it
- The case-hardened set screw bites into the structural member for maximum security
- ⅛" steel

CONDUIT SIZE	MAX. BEAM C-247	FLANGE C-248	THICKNESS C-249
½	⅝	1	
¾	7/16	¾	1½
1		½	1¼
1¼		1	
1½			⅝
Dim. A	2¼	2 9/16	3¼
Dim. B	1⅜	1¾	2½
Dim. C	2¾	3	4
Dim. D	9/16	9/16	⅝
Per Carton	100	50	50
Wt. in lbs./C	33	36	59

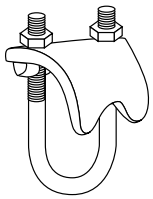
Standard Finish – GoldGalv®, unless otherwise stated.



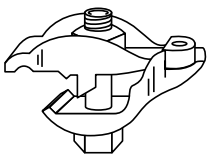


Pipe Supports

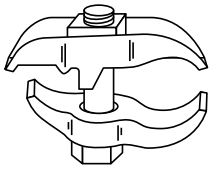
Three types of pipe clamps are available to provide right angle, vertical and parallel attachment to a beam. Types RC, EC and PC are malleable iron clamps with an edge that grips the structural member for maximum holding power when tightened.



- RC Clamp — Malleable Iron
- RCS Clamp — Steel
- For mounting pipe or conduit at right angles to the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized



- EC Clamp — Malleable Iron
- For mounting pipe or conduit vertically across the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized



- PC Clamp — Malleable Iron
- For mounting pipe or conduit parallel to the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized

Type RCS clamps are all steel, providing two bearing surfaces for strong attachment for mounting pipe or conduit at right angles to the beam.

All parts are electrogalvanized, including the threads. The clamps are designed for clamping to a wide variety of beam thicknesses and tapers. Can be installed using only a wrench.

CAT. NO. & SIZE	DIMENSIONS (IN.) O.D. OF CONDUIT OR PIPE	DIMENSIONS (IN.) NOM. CONDUIT PIPE SIZE	STD. CTN.
RCS-1/2	.840	½	50
RCS-3/4	1.050	¾	50
RCS-1	1.315	1	50
RCS-1-1/4	1.660	1¼	50
RCS-1-1/2	1.900	1½	50
RCS-2	2.375	2	50
RC-3/8	.675	⅜	50
RC-1/2	.840	½	50
RC-3/4	1.050	¾	50
RC-1	1.315	1	50
RC-1-1/4	1.660	1¼	50
RC-1-1/2	1.900	1½	50
RC-2-SC	2.375	2	50
RC-2-1/2	2.875	2½	25
RC-3	3.500	3	25
RC-3-1/2	4.000	3½	25
RC-4-SC	4.500	4	20

CAT. NO. & SIZE	DIMENSIONS (IN.) O.D. OF CONDUIT OR PIPE	DIMENSIONS (IN.) NOM. CONDUIT PIPE SIZE	STD. CTN.
EC-1/2	.840	½	50
EC-3/4	1.050	¾	50
EC-1	1.315	1	25
EC-1-1/4	1.660	1¼	25
EC-1-1/2	1.900	1½	25
EC-2	2.375	2	25
EC-2-1/2	2.875	2½	10
EC-3	3.500	3	10
PC-3/8	.675	⅜	50
PC 1/2	.840	½	50
PC-3/4	1.050	¾	50
PC-1	1.315	1	50
PC-1-1/4	1.660	1¼	25
PC-1-1/2	1.900	1½	25
PC-2	2.375	2	25
PC-2-1/2	2.875	2½	25
PC-3	3.500	3	10
PC-3-1/2	4.00	3½	10
PC-4	4.500	4	10

Beam and Purlin Clamps

Beam Clamps

Fig. 1

Fig. 2

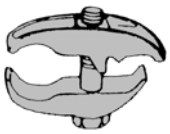


Fig. 3

CAT. NO.	FIG. NO.	O.D. OF CONDUIT OR PIPE (IN.)	OM. CONDUIT OR PIPE SIZE (IN.)	STD. CTN.
RCS Clamp — Steel				
RCS-1/2	1	.840	½	50
RCS-3/4	1	1.050	¾	50
RCS-1	1	1.315	1	100
RCS-1-1/4	1	1.660	1¼	100
RCS-1-1/2	1	1.900	2	100
RCS-2	1	2.375	2	100
RC Clamp — Malleable Iron				
RC-3/8	1	.675	⅜	50
RC-1/2	1	.840	½	50
RC-3/4	1	1.050	¾	50
RC-1	1	1.315	1	100
RC-1-1/4	1	1.660	1¼	100
RC-1-1/2	1	1.900	1½	100
RC-2-SC	1	2.375	2	100
RC-2-1/2	1	2.875	2½	100
RC-3	1	3.500	3	100
RC-3-1/2	1	4.000	3½	100
RC-4-SC	1	4.500	4	100
EC Clamp — Malleable Iron				
EC 1/2	2	.840	½	50
EC-3/4	2	1.050	¾	50
EC-1	2	1.315	1	100
EC-1-1/4	2	1.660	1¼	100
EC-1-1/2	2	1.900	1½	100
EC-2	2	2.375	2	100
EC-2-1/2	2	2.875	2½	100
EC-3	2	3.500	3	100
PC Clamp — Malleable Iron				
PC-3/8	3	.675	⅜	50
PC 1/2	3	.840	½	50
PC-3/4	3	1.050	¾	50
PC-1	3	1.315	1	100
PC-1-1/4	3	1.660	1¼	100
PC-1-1/2	3	1.900	1½	100
PC-2	3	2.375	2	100
PC-2-1/2	3	2.875	2½	100
PC-3	3	3.500	3	100
PC-3-1/2	3	4.000	3½	100
PC-4	3	4.500	4	100

6H Series Conduit and Pipe Hangers

- Accommodates ½" through 4" EMT or rigid conduit
- Can be used for either vertical or horizontal installation
- 6HTB Series have a built-in nut so there are less parts to handle or drop
- Installs easily with a screwdriver

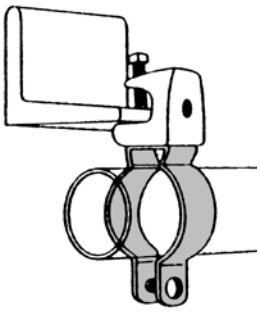


Fig. 1

Fig. 2

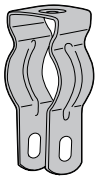


Fig. 3

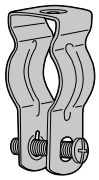


Fig. 4

WITH BOLT		WITHOUT BOLT				
CAT. NO.	FIG. NO.	CAT. NO.	FIG. NO.	EMT (IN.)	RIGID CONDUIT OR PIPE (IN.)	STD. CTN.
6H0 B	1	6H0	2	½	⅜–½	100
6H0 TB	3	6H0	4	½	⅜–½	100
6H1 B	1	6H1	2	¾	¾	100
6H1-TB	3	6H1	4	¾	¾	100
6H2-B	1	6H2	2	1	1	100
6H2-TB	4			1	1	100
6H2 1/2-B	1	6H2 1/2	2	1¼	—	100
6H2 1/2-TB	4			1¼	—	100
6H3-B	1	6H3-SC	2	1½	1¼	100
6H3-TB	4			1½	1¼	100
6H4-B	1	6H4	2	—	1½	100
6H4-TB	4			—	1½	100
6H5-B	1	6H5	2	2	2	100
6H5-TB	4			2	2	100
6H6-B	1	6H6	2	2½	2½	100
6H7-B	1	6H7	2	3	3	100
6H8-B	1	6H8	2	3½	3½	100
6H9-B	1	6H9	2	4	4	100

Add SS suffix to part number for stainless steel.

Load rating is 500 lbs. with a safety factor of 3. Available with or without closure bolt.

Standard finishes: Electro-Galvanized and Type 304 Stainless Steel.