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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. Kindorf® 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 to property. Material and finish specifications are subject to change without notice.

enhanced corrosion protection, it also provides an excellent bond for the paint of your choice.

- **No more white rust**

With pre-galvanized strut, a common quality concern is the formation of white rust on the zinc finish. With Galv-Krom® finish, the trivalent chromium finish is applied over the zinc, to seal in the zinc beneath and stop the formation of white rust.

- **Great electrical conductivity**

Unlike paint or enamel, the Galv-Krom® surface offers a minimum of electrical resistance so that electrical applications are easily grounded when grounding is needed.

Finishes

1. Galv-Krom®

Commonly referred to as “gold,” the Galv-Krom® finish is a combination of .5 mils electro-plated zinc and a gold trivalent chromium finish, offering superior rust protection and excellent electrical conductivity.

2. SilverGalv® (Suffix EG)

Often referred to as “zinc plated” or “electroplated zinc,” the SilverGalv® finish applies .5 mils of zinc and a clear conversion coat. Electro-galvanizing is available for channel as well as small fittings, hardware and threaded products.

3. Pre-galvanized steel (Suffix PG)

In addition to the standard Galv-Krom® finish, all Kindorf® channels are available in pre-galvanized steel. This material is identical to the standard steel except for its ASTM G-90 zinc coating. This coating is applied at the steel mill prior to the channel fabrication.

4. Green coated (Suffix GR)

Green urethane powder resins are applied electrostatically to the steel after fabrication. Once the material is completely covered with the powdered 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.

5. Hot-dipped galvanized (Suffix HD)

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 pre-galvanized material. Hot-dipped galvanizing is not recommended for threaded products, considering the zinc coating thickness will often disrupt the threads.

Kindorf® hot-dipped galvanized channel is in conformance with ASTM Specifications A-123 (formerly A-386) and A-153.

Kindorf® 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.”

6. PVC Coated (Prefix P)

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 temperatures. 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. ABB cannot be held responsible for field-altered PVC coated products.

Materials

1. Standard steel

The standard Kindorf® Channel is made from high-quality ASTM A570 Grade 40 carbon steel sheet. These sections are cold formed into a unique and modular profile by an efficient roll forming process. Additionally, the process “cold works” the steel to give it greater mechanical properties.

2. Extruded aluminum (Suffix AL)

For more corrosive environments, ABB also offers extruded aluminum channel sections. These sections are nearly identical to their steel counterparts. Aluminum channel is made from 6063 Aluminum and heat treated to a T-6 specification.

3. Non-metallic (Suffix N)

Kindorf® channels are also available in fiberglass-reinforced polyester and vinylester. These products are pultruded into shapes similar to steel channels. They offer a high degree of corrosion protection and are very lightweight.

4. Stainless steel (Suffix SS)

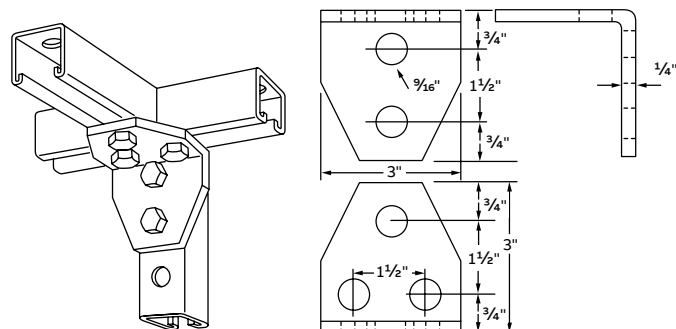
For the most corrosive environments, ABB offers Type 304 Stainless Steel channel sections and accessories. Type 316 stainless available upon request. Contact your local sales rep. These products are identical to their carbon steel counterparts except for a much greater corrosion resistance.

Channels, nuts and fittings

Joint, corner, plate & angle connectors

B-933 Five-hole joint connector

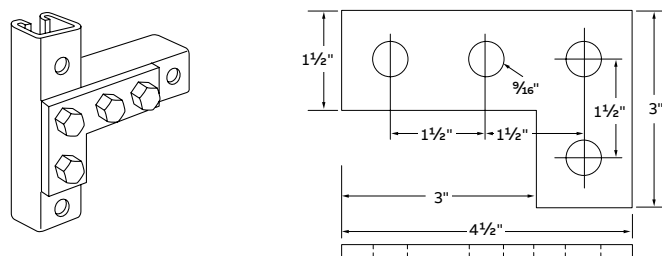
Cat. No.	Finish
B-933	Galv-Krom®



1/4" steel, 96 lbs/C.

B-936 Angle plate connector

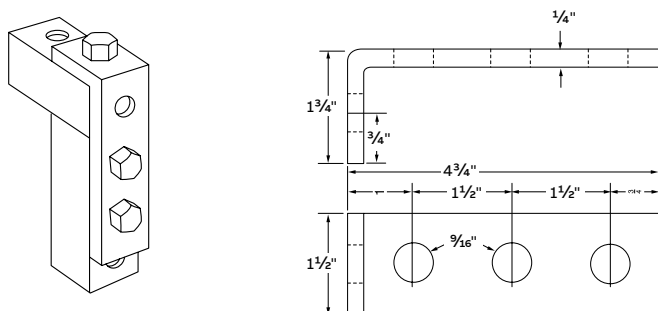
Cat. No.	Finish
B-936	Galv-Krom®
B-936GR	Green coated
B-936EG	Electro-galvanized



3/16" steel, 42 lbs/C.

B-934 Outside corner connector

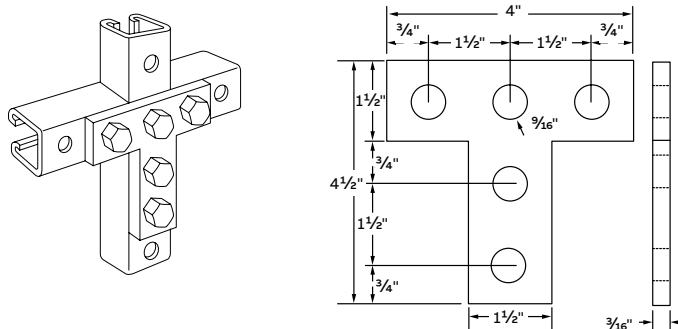
Cat. No.	Finish
B-934	Galv-Krom®



1/4" steel, 57 lbs/C.

B-937 T-Plate connector

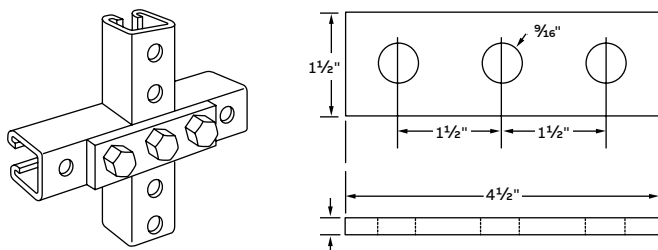
Cat. No.	Finish
B-937	Galv-Krom®



3/16" steel, 53 lbs/C.

B-935 Three-hole plate connector

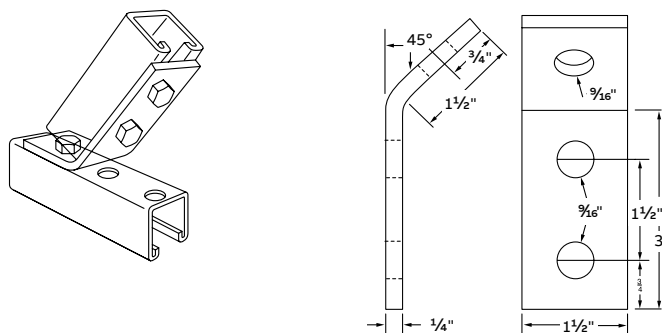
Cat. No.	Finish
B-935	Galv-Krom®
B-935-GR	Green coated
B-935-EG	Electro-galvanized



3/16" steel, 32 lbs/C.

B-938 Open angle connector

Cat. No.	Finish
B-938	Galv-Krom®



1/4" steel, 42 lbs/C.