

Finishes and Materials

Finishes on Steel

Bare (Suffix BC)

Pregalvanized (Suffix PGC)

A zinc coating is applied to 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 oz. of zinc per square foot of steel. This finish is often referred to as “mill galvanized.”

Electroplated (Suffix EGC)

Often referred to as “zinc plated” or “electroplated zinc,” the steel and 0.5 mils of zinc are bonded by an electrolysis process. Electroplating is most commonly applied to small fittings, hardware, and threaded products.

GoldGalv® (No Suffix)

Gold coloured zinc dichromate is applied over the zinc, producing a chemically bonded non porous barrier for protection from moisture and air. This extends the protective life of the zinc, and provides an excellent base for paint, if desired. The GoldGalv® hardware finish also provides a low electrical resistance when grounding of the system is required. Superstrut® channel and fittings are plated after fabrication, so there are no unprotected edges from cutting or punching. Where field cutting is necessary or scratches occur due to construction handling, you still have the sacrificial protection of the plated zinc to minimize the corrosion of raw edges and prevent spreading.

Hot-Dipped Galvanized (Suffix HDGC)

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, considering the zinc coating thickness 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 oz. 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”.

Epoxy Powder Coated — Green, Grey or White (Suffix GR, GY or WH)

Epoxy powder resins are applied electrostatically to the steel after fabrication. Once the material is completely covered with the powder-form epoxy, it proceeds through a 400°F (204°C) baking process for ten minutes, creating a chemical bond. This results in a minimum of 1.5 mil thickness of epoxy coating providing excellent resistance to chipping or peeling.

Special Materials

Aluminum (Suffix ALC)

Superstrut® channel is available in aluminum. Fittings in HDG finish or fiberglass material are suggested for fastening products.

Stainless Steel (Suffix SS)

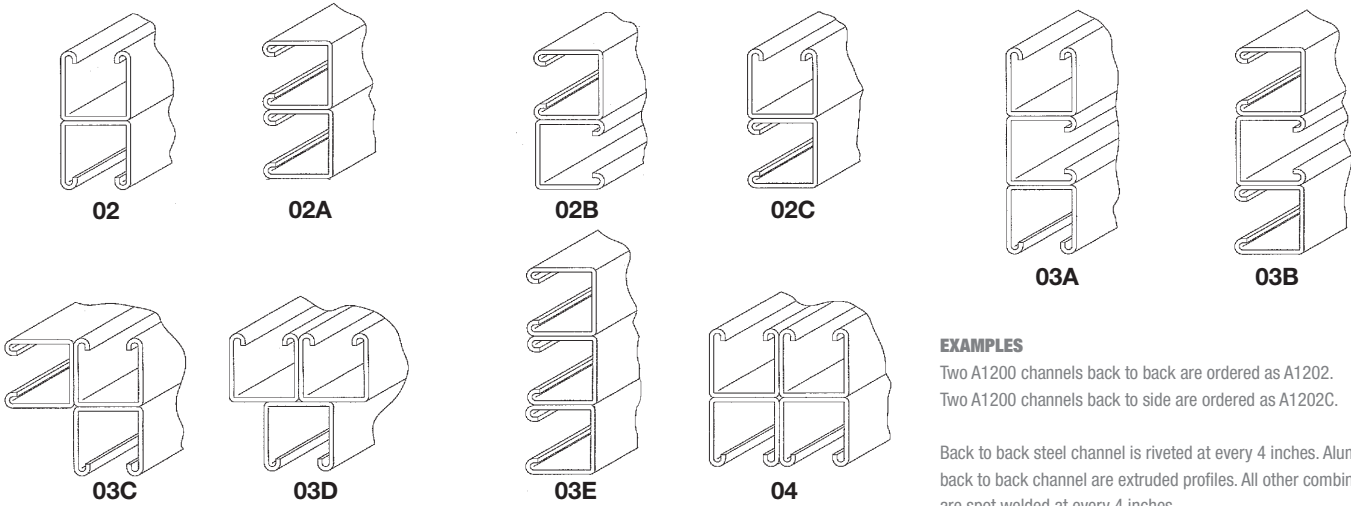
Superstrut® channel is supplied in Type 316 (T316L) stainless steel. All fittings and accessories are in 316SS (SS6). Contact your Regional Sales Office for availability.

Thomas & Betts reserves the right to change material and finish specifications without notice, to improve its products.

Bare (suffix BC) is available upon request.

Channels and Concrete Inserts

Welded Combinations



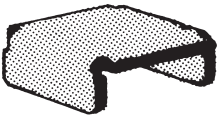
EXAMPLES

Two A1200 channels back to back are ordered as A1202.
Two A1200 channels back to side are ordered as A1202C.

Back to back steel channel is riveted at every 4 inches. Aluminum back to back channel are extruded profiles. All other combinations are spot welded at every 4 inches.

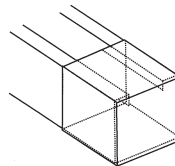
End Caps and Closure Strips

A804 End Cap



Cat. No.	For Channel	Wt./C lb.
A804EG	A1200	10
	A1400 AR1600	10
B804EG	B1400 BR1600	5
C804EG	C1200	8
E804EG	E1200	15
H804	H1200	20

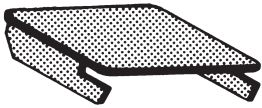
Safety End Cap



1-5/8 in. x 1-5/8 in. White Plastisol.

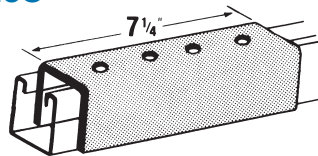
Cat. No.	For Channel	Wt./C lb.
A804NEOPWH	A1200 AR1600	1.75
	A1400	
B804NEOPWH	B1200 BR1600	5
H804NEOPWH	H1200	2

A2431 End Cap



For A1200 Channel
Available in GoldGalv® or ElectroGalvanized (EG).
Wt./C 16 lb.

A208



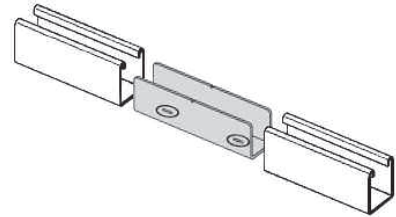
A208HDGC
A208EG

Does not include stud nut or bolts.

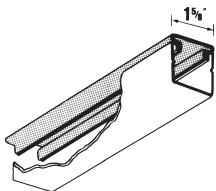
A208
A208SS6C

For A and AR Series channel. Wt./C 275 lb.

A213 Inside Joiner



For A1200 Series only.
Available only in GoldGalv® finish.



AB844PGC

Pre-Galvanized Closure Strip

AB844PCGY

Plastic Closure Strip
Colour: Grey

AB844PC

Plastic Closure Strip
Colour: Gold

For all channel. Standard lengths 10 ft.