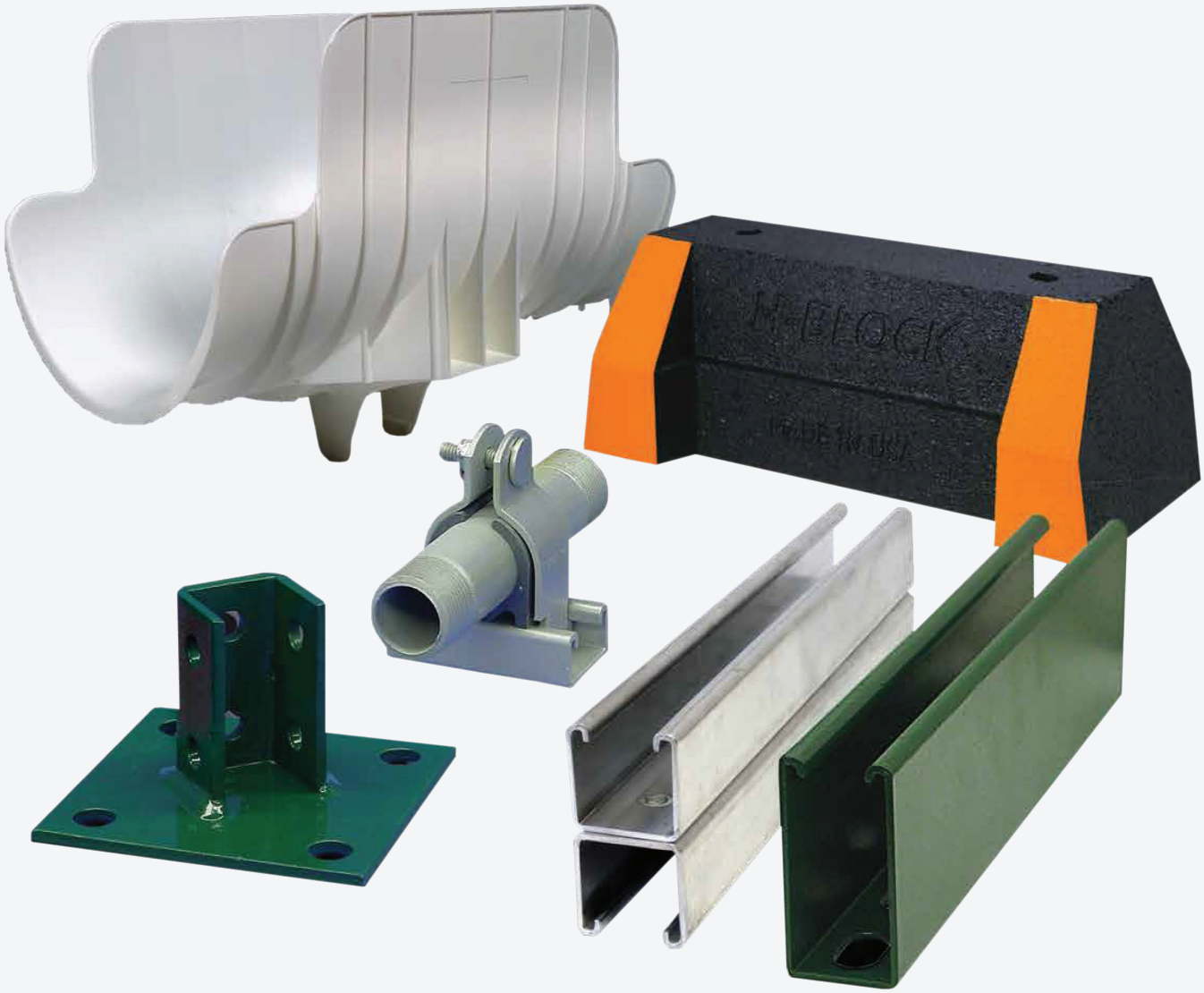
Building connections that last™

ASC Engineered Solutions

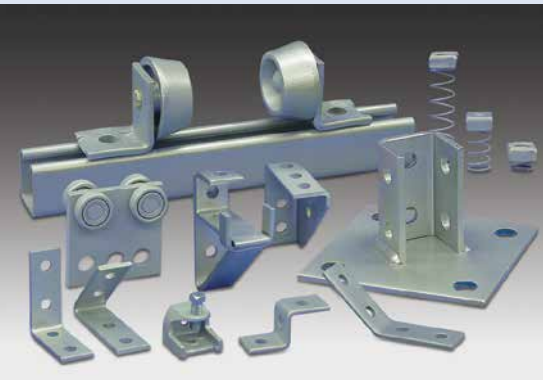
Anvil-Strut®

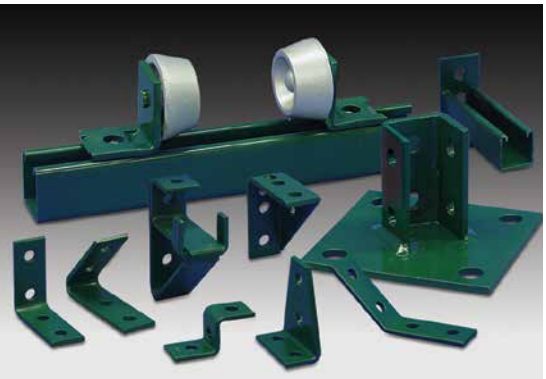
Metal Framing & H-Block



ANVIL®
An ASC Engineered Solution

BUILDING CONNECTIONS THAT LAST





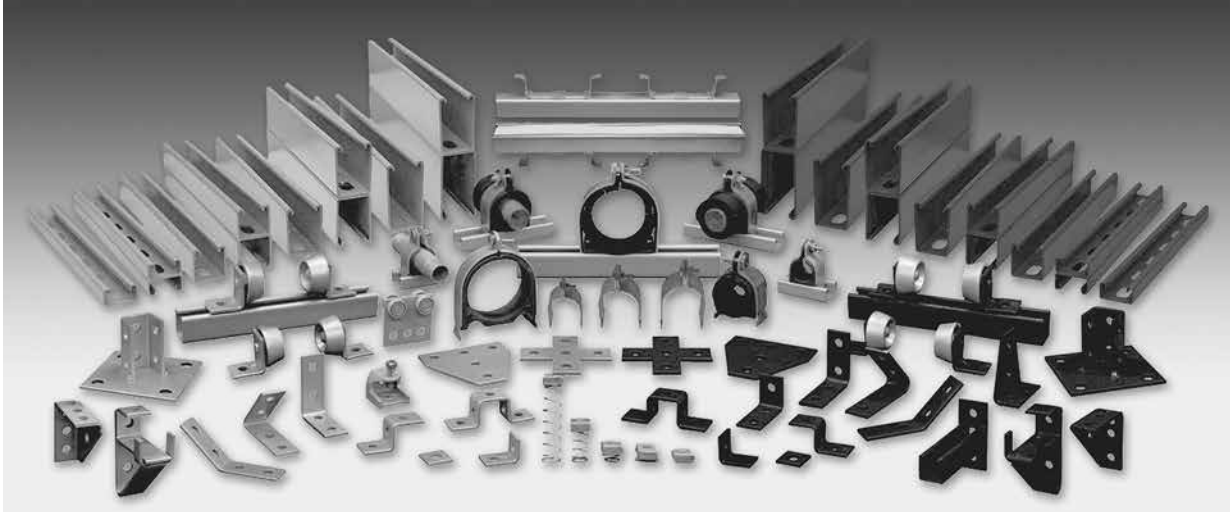
For over 160 years, Anvil has worked diligently to build a strong, vibrant tradition of making connections — pipe to pipe and people to people.

We pride ourselves in providing the finest-quality pipe products and services with integrity and dedication to superior customer service at all levels.

We provide expertise and product solutions for a wide range of applications, from plumbing, mechanical, HVAC, industrial and fire protection to mining, oil and gas. Our comprehensive line of products includes: grooved pipe couplings, grooved and plain-end fittings, valves, cast and malleable iron fittings, forged steel fittings, steel pipe nipples and couplings, pipe hangers and supports, channel and strut fittings, mining and oil field fittings, along with much more.

As an additional benefit to our customers, Anvil offers a complete and comprehensive Design Services Analysis for mechanical equipment rooms, to help you determine the most effective and cost-efficient piping solutions.

At Anvil, we believe that responsive and accessible customer support is what makes the difference between simply delivering products — and delivering solutions.



ANVIL-STRUT®

Metal Framing Product and Engineering Catalog

The Anvil-Strut® product line includes metal framing channels, spring nuts, pipe and conduit supports, and fittings and accessories. Strut is designed to provide durable, dependable, and economical performance in clean rooms, satellite dish supports, x-ray supports, storage racks, theater screen, tunnel stanchions and offshore catwalk applications.

Anvil-Strut channels are manufactured by a series of forming dies (rolls) which progressively cold work the strip steel into the desired channel configuration. This method produces a cross-section of uniform dimensions with a tolerance of +/- .015" on outside dimensions. These channels are produced from prime structural steel and are ASTM approved. The channels are available as pre-galvanized steel, plain steel, stainless steel, and aluminum. Channel configurations of two or more elements are spotwelded, providing a wide range of combination options. The spotwelds are spaced two or three inches on centers throughout the length of the multiple channel sections.

Anvil-Strut channels are stocked in pre-galvanized and painted Supr-green. Some sizes are stocked in stainless steel, zinc dichromate, PVC coated, or hot dipped galvanized. Regular stocked lengths of Anvil-Strut channels are 10 and 20 foot, with tolerances of +/- 1/8". Other lengths are available upon request.

Anvil-Strut®

Anvil-Strut complete line of continuous strut and strut fittings with channels, fittings and accessories can be used in a variety of small or large, light or heavy applications.

They include:

- Clean Rooms
- Satellite Dish Supports
- X-ray Supports
- Storage Racks
- Theater Screen
- Tunnel Stanchions
- Offshore Catwalks

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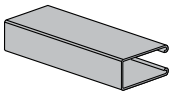
TO OUR VALUED CUSTOMERS

Anvil-Strut® products are carefully designed and manufactured to the listed standards, as applicable. However, Anvil-Strut reserves the right to revise product design without notification. Anvil-Strut products included in this catalog are intended for installation and service only as described or specified herein. Care should be exercised by installers and end-users to install, use and maintain these products properly to avoid any possible on-the-job accidents. Prices subject to change without notice.

CHANNELS



AS 100
Channel
Size: 3¼" x 1⅝" x 12 GA.
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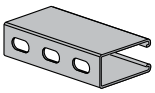

AS 100 EH
Channel with Elongated Holes
Size: 3¼" x 1⅝" x 12 GA.
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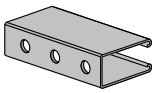
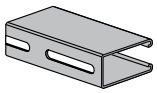
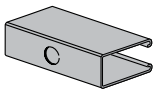


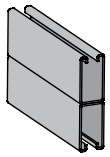
AS 100 H
Channel with Holes
Size: 3¼" x 1⅝" x 12 GA.
Page 17



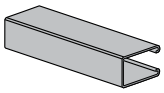
AS 100 S
Channel with Long Slots
Size: 3¼" x 1⅝" x 12 GA.
Page 17



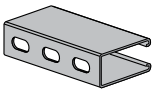
AS 100 KO
Channel with Knock Out
Size: 3¼" x 1⅝" x 12 GA.
Page 17



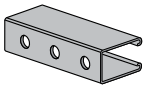
AS 100 BTB
Welded Channel
Size: 6½" x 1⅝" x 12 GA.
Two Pcs. AS 100 Welded Back-to-Back.
Pages 18 - 19



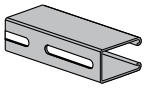
AS 150
Channel
Size: 2⁷/₁₆" x 1⅝" x 12 GA.
Pages 20 - 21



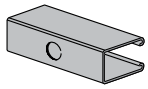
AS 150 EH
Channel with Elongated Holes
Size: 2⁷/₁₆" x 1⅝" x 12 GA.
Page 21



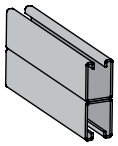
AS 150 H
Channel with Holes
Size: 2⁷/₁₆" x 1⅝" x 12 GA.
Page 21



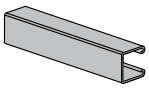
AS 150 S
Channel with Long Slots
Size: 2⁷/₁₆" x 1⅝" x 12 GA.
Page 21



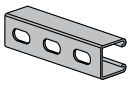
AS 150 KO
Channel with Knock Out
Size: 2⁷/₁₆" x 1⅝" x 12 GA.
Page 21



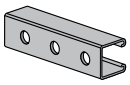
AS 150 BTB
Welded Channel
Size: 4⅞" x 1⅝" x 12 GA.
Two Pcs. AS 150 Welded Back-to-Back.
Pages 22 - 23



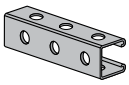
AS 200
Channel
Size: 1⅝" x 1⅝" x 12 GA.
Pages 24 - 25



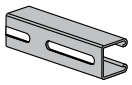
AS 200 EH
Channel with Elongated Holes
Size: 1⅝" x 1⅝" x 12 GA.
Page 25



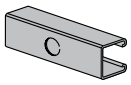
AS 200 H
Channel with Holes
Size: 1⅝" x 1⅝" x 12 GA.
Page 25



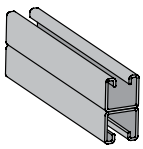
AS 200 H3
Channel with Holes on 3 Sides
Size: 1⅝" x 1⅝" x 12 GA.
Page 25



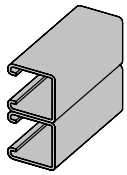
AS 200 S
Channel with Long Slots
Size: 1⅝" x 1⅝" x 12 GA.
Page 25



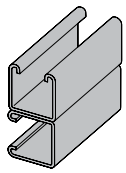
AS 200 KO
Channel with Knock Out
Size: 1⅝" x 1⅝" x 12 GA.
Page 25



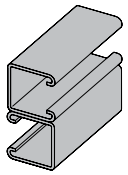
AS 200 BTB
Welded Channel
Size: 3¼" x 1⅝" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Pages 26 - 27



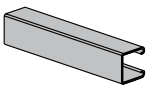
AS 200 STS
Welded Channel
Size: 3¼" x 1⅝" x 12 GA.
Two Pcs. AS 200 Welded Side-to-Side.
Page 27



AS 200 BTS
Welded Channel
Size: 3¼" x 1⅝" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Side.
Page 27



AS 200 STSR
Welded Channel
Size: 3¼" x 1⅝" x 12 GA.
Two Pcs. AS 200 Welded Side to Reverse Side.
Page 27



AS 210
Channel
Size: 1⅝" x 1⅝" x 14 GA.
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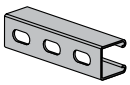

AS 210 EH
Channel with Elongated Holes
Size: 1⅝" x 1⅝" x 14 GA.
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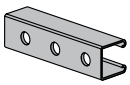
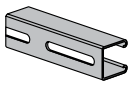
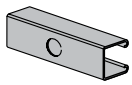


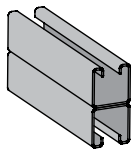
AS 210 H
Channel with Holes
Size: 1⅝" x 1⅝" x 14 GA.
Page 29



AS 210 S
Channel with Long Slots
Size: 1⅝" x 1⅝" x 14 GA.
Page 29



AS 210 KO
Channel with Knock Out
Size: 1⅝" x 1⅝" x 14 GA.
Page 29



AS 210 BTB
Welded Channel
Size: 3¼" x 1⅝" x 14 GA.
Two Pcs. AS 210 Welded Back-to-Back.
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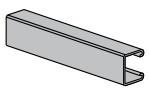

AS 300
Channel
Size: 1⅜" x 1⅝" x 12 GA.
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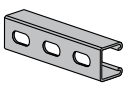
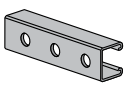
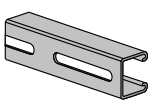


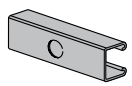
AS 300 EH
Channel with Elongated Holes
Size: 1⅜" x 1⅝" x 12 GA.
Page 33



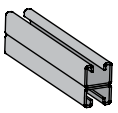
AS 300 H
Channel with Holes
Size: 1⅜" x 1⅝" x 12 GA.
Page 33



AS 300 S
Channel with Long Slots
Size: 1⅜" x 1⅝" x 12 GA.
Page 33



AS 300 KO
Channel with Knock Out
Size: 1⅜" x 1⅝" x 12 GA.
Page 33



AS 300 BTB
Welded Channel
Size: 2¾" x 1⅝" x 12 GA.
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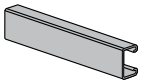
CHANNELS



AS 400
Channel
Size: 1" x 1⅝" x 12 GA.
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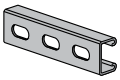
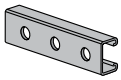
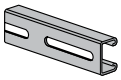


AS 400 EH
Channel with
Elongated Holes
Size: 1" x 1⅝" x 12 GA.
Page 37



AS 400 H
Channel with Holes
Size: 1" x 1⅝" x 12 GA.
Page 37



AS 400 S
Channel with
Long Slots
Size: 1" x 1⅝" x 12 GA.
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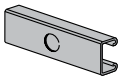
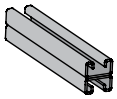
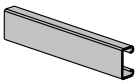


AS 400 KO
Channel with
Knock Out
Size: 1" x 1⅝" x 12 GA.
Page 37



AS 400 BTB
Welded Channel
Size: 2" x 1⅝" x 12 GA.
Two Pcs. AS 400 Welded
Back-to-Back.
Pages 38 - 39



AS 500
Channel
Size: 13/16" x 1⅝" x 14 GA.
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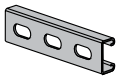

AS 500 EH
Channel with
Elongated Holes
Size: 13/16" x 1⅝" x 14 GA.
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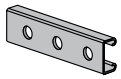

AS 500 H
Channel with Holes
Size: 13/16" x 1⅝" x 14 GA.
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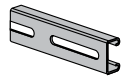

AS 500 S
Channel with
Long Slots
Size: 13/16" x 1⅝" x 14 GA.
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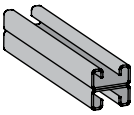

AS 500 BTB
Welded Channel
Size: 1⅝" x 1⅝" x 14 GA.
Two Pcs. AS 500 Welded
Back-to-Back.
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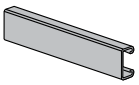

AS 520
Channel
Size: 13/16" x 1⅝" x 12 GA.
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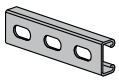

AS 520 EH
Channel with
Elongated Holes
Size: 13/16" x 1⅝" x 12 GA.
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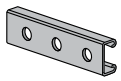

AS 520 H
Channel with Holes
Size: 13/16" x 1⅝" x 12 GA.
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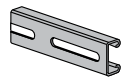

AS 520 S
Channel with
Long Slots
Size: 13/16" x 1⅝" x 12 GA.
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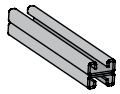

AS 520 BTB
Welded Channel
Size: 1⅝" x 1⅝" x 12 GA.
Two Pcs. AS 520 Welded
Back-to-Back.
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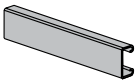

AS 560
Channel
Size: 13/16" x 1⅝" x 16 GA.
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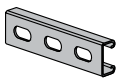

AS 560 EH
Channel with
Elongated Holes
Size: 13/16" x 1⅝" x 16 GA.
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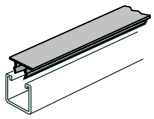

AS 707
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Closure Strip
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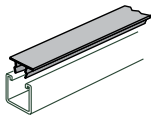

AS 707P
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Size: 1⅝"
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AS LS
Clamping Nut
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AS NS
Clamping Nut
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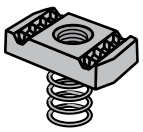

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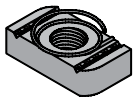

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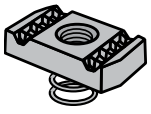

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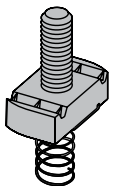

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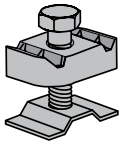

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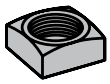

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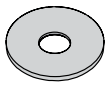

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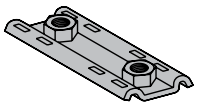

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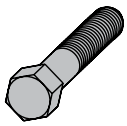

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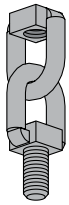

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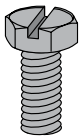

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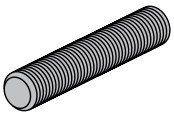

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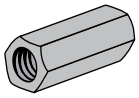

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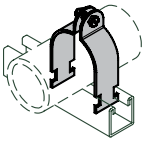

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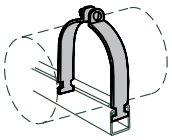

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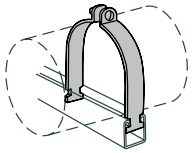

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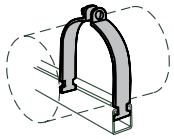

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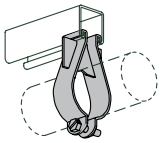

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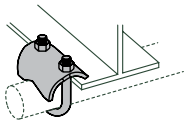

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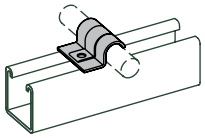

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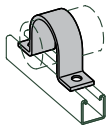

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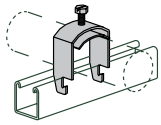

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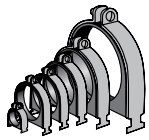

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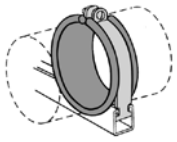

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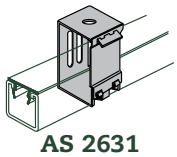

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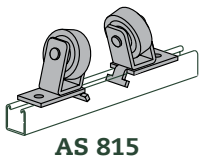

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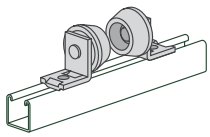

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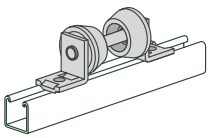

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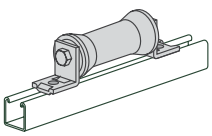

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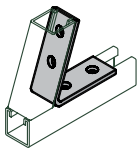
ANGLE FITTINGS AND CONNECTORS



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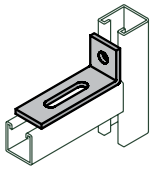

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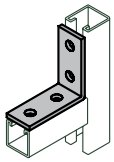

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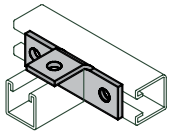

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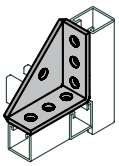

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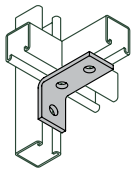

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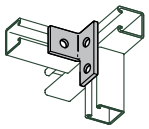

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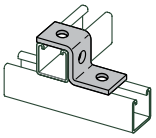

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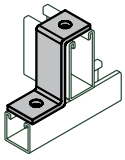

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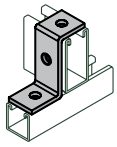

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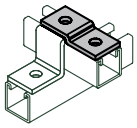

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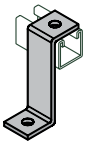

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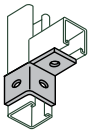

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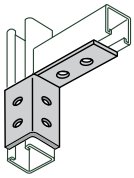

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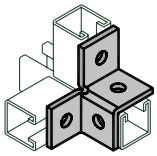

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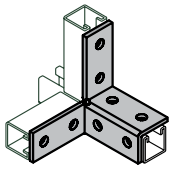

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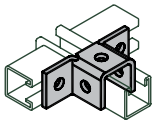

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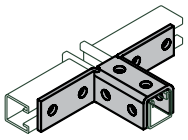

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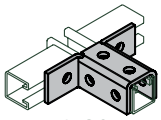

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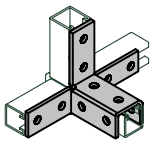

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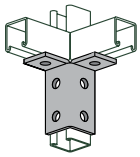

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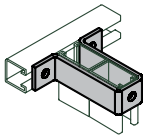

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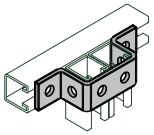

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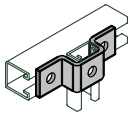

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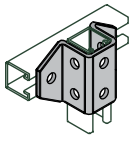

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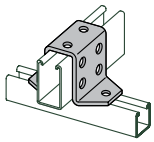

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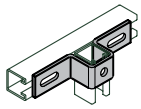

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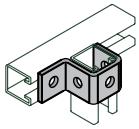

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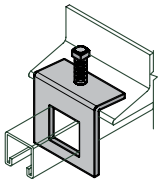

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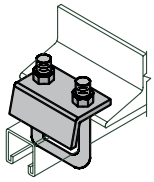

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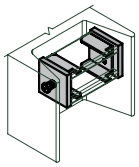

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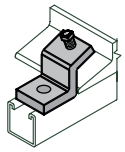

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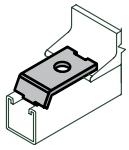

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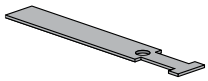

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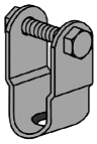

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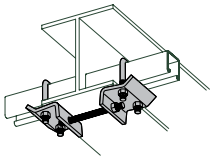

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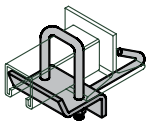

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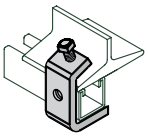

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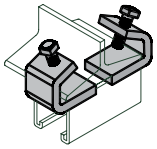

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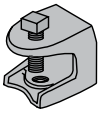

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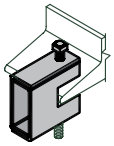

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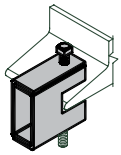

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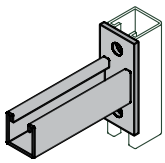

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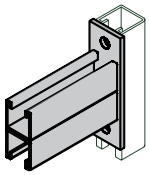

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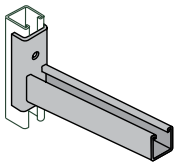

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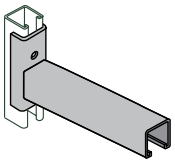

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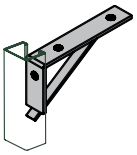

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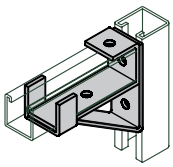

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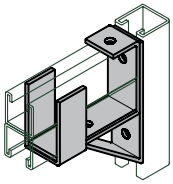

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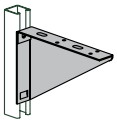

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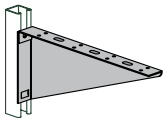

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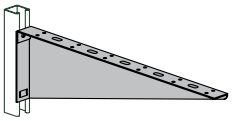

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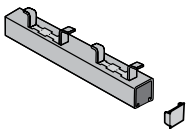

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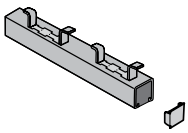

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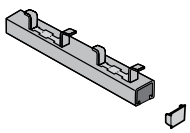

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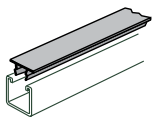

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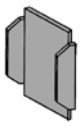

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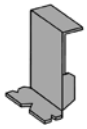

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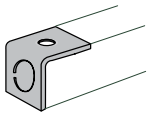

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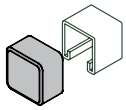

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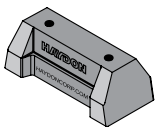

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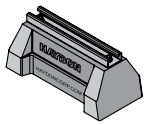

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HBS-Support with 13/16" H-164 Pre-Galv. Steel Channel
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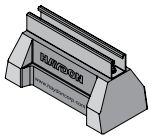
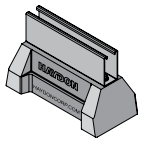
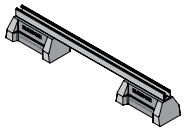


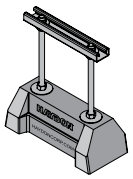
HBS Series
HBS-Support with 1 5/8" H-132 Pre-Galv. Steel Channel
Page 112



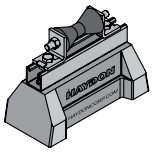
HBS-6 Series
HBS-Support with 2 7/16" H-122 Pre-Galv. Steel Channel
Page 113



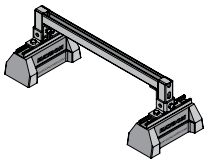
HBS-CB Bridge Series
Bridge Length Supports with 2 HBS Bases and Channel
Page 114



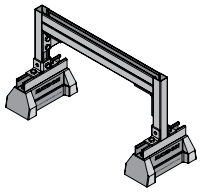
HBS-CE Extension Series
Support with Threaded Rod Extension and Channel
Page 115



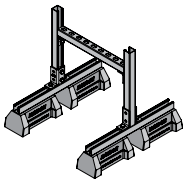
HBS-R Roller Series
With 1 5/8" H-132 Pre-Galv. Steel Channel with Rollers
Page 116



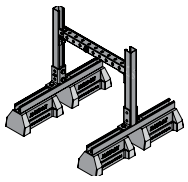
HBS-CES Series
Raised Bridge Length with 2 HBS Bases 1 5/8" H-132 Pre-Galv. Steel Channel
Page 117



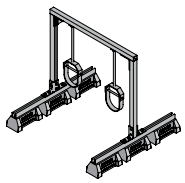
HBS-CES Series
Raised Bridge Length with 2 HBS Bases 3 1/4" H-132-A Back-to-Back Pre-Galv. Steel Channel
Page 117



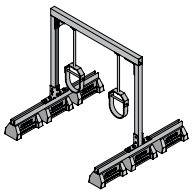
HBS-DSFW Fixed Width Duct Support
HBS-DS Duct Support Series with Fixed Width and Adjustable Height
Page 118



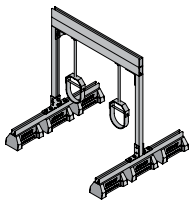
HBS-DSAW Adjustable Duct Support
HBS-DS Duct Support Series with Adjustable Width and Height
Page 119



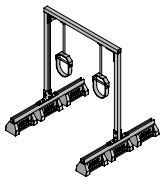
HBS-PH 36" Light Duty Pipe Hanger Support
Series with H-132PG Top Support
Page 120



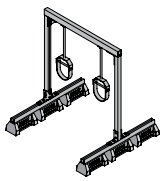
HBS-PH 36" Medium Duty Pipe Hanger Support
Series with H-122PG or H-112PG Top Support
Page 121



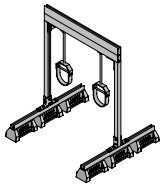
HBS-PH 36" Heavy Duty Pipe Hanger Support
Series with H-122APG or H-112APG Top Support
Page 122



HBS-PH 48" Light Duty Pipe Hanger Support
Series with H-132PG Top Support
Page 123

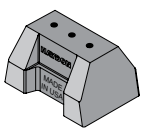


HBS-PH 48" Medium Duty Pipe Hanger Support
Series with H-122PG or H-112PG Top Support
Page 124

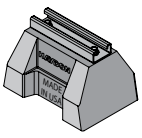


HBS-PH 48" Heavy Duty Pipe Hanger Support
Series with H-122APG or H-112APG Top Support
Page 125

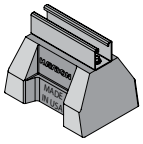
H-BLOCK MINI ROOFTOP SUPPORT SYSTEM



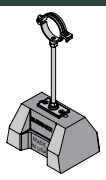
HBM-Mini Base Only
Base Rubber Support - Base Only
Page 126



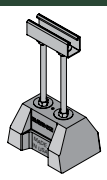
HBM Series
HBM-Support with 13/16" H-164 Pre-Galv. Steel Channel
Page 127



HBM Series
HBM-Support with 1 5/8" H-132 Pre-Galv. Steel Channel
Page 127



HBM-HPC Series
HBM-Hinged Pipe Clamp
Page 128



HBM-CE5 Extension Series
Support with Threaded Rod Extension and Channel
Page 129

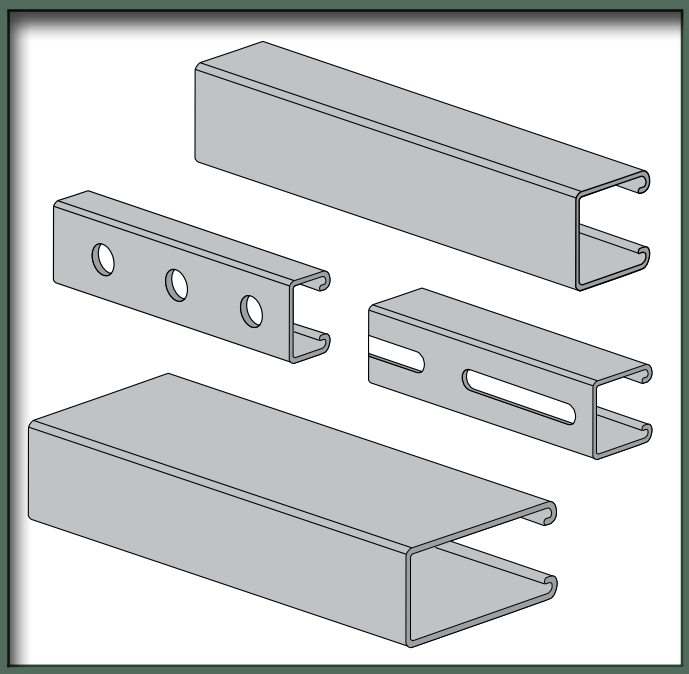
ANVIL SHIELDS

FIG. 20
Strut Shield
Page 131

FIG. 21
Strut Shield Insulation Cover
Page 132

FIG. 30
Universal Shield
Page 133

FIG. 31
Universal Shield Clevis Adapter
Page 132



Specifications

GENERAL

Anvil-Strut channels are manufactured by a series of forming dies, or rolls, which progressively cold work the strip steel into the desired channel configuration. This method produces a cross section of uniform dimensions within a tolerance of plus or minus 0.015", on outside dimensions.

WELDING

Channel combinations of two or more elements are spot welded together to form various multiple combinations, see page 51. The spot welds are spaced two or three inches on centers throughout the length of the multiple channel sections.

LENGTH INFORMATION

Anvil-Strut Channels are produced and stocked in 10' and 20' lengths with a tolerance of ± ⅛".
Other lengths are available upon request.

LOADING DATA

1. When calculating load at center of span, multiply load from table by 0.5 and deflection by 0.8.
2. When calculating beam and column loads for aluminum, multiply by 33%.

MATERIAL

Anvil-Strut channels are produced from prime structural steel covered by the following specifications.
(See technical section for additional information)

Pre-Galvanized Steel.....ASTM A-653
Plain Steel..... ASTM A-1011-04-SS
Aluminum (Type 6063T6).....ASTM B-221
Stainless Steel (Type 304 & 316) .....ASTM A-240
Other materials and specifications available on request.

FINISHES

All Anvil-Strut channels are stocked in pre-galvanized and powder coated Supr-Green. Some sizes are stocked in zinc trivalent chromium, PVC or hot dipped galvanized.
(See technical section for additional information)

Hot Dipped Galvanized.....ASTM A-123
Zinc Trivalent Chromium..... ASTM B-633-85
Powder Coated Supr-Green .....ASTM B-117
PVC Coating 40 ML Thickness - Available Upon Request

LEGEND:

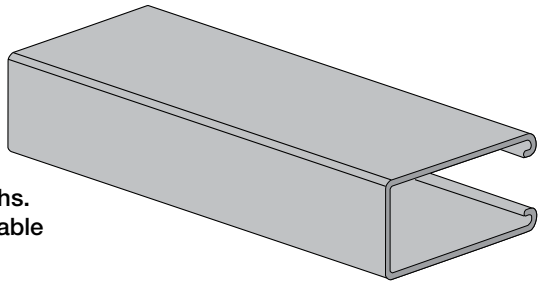
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

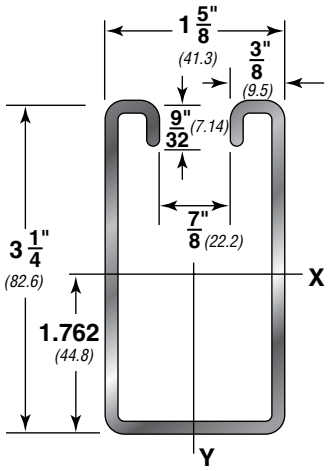
AS 100

3¼" X 1⅝" *(82.6 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 313#

Stocked in pre-galvanized, plain and powder coated Supr-green, in both 10 and 20 ft. lengths. Other materials, finishes and lengths are available upon request.

See pages 18-19, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 100	3.13	*4.7*	0.887	*5.723*	1.100	*45.785*	0.633	*10.373*	1.114	*2.830*	0.431	*17.940*	0.530	*8.685*	0.697	*1.770*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	10,610	0.01	10,610	10,610	10,610	3.1	6,170	19,600	19,060	18,210	17,240
18	7,070	0.02	7,070	7,070	7,070	4.7	5,950	18,320	17,240	15,630	13,920
24	5,300	0.03	5,300	5,300	5,300	6.3	5,650	16,720	15,070	12,770	10,560
30	4,240	0.05	4,240	4,240	4,240	7.8	5,270	14,920	12,770	10,030	7,640
36	3,540	0.07	3,540	3,540	3,540	9.4	4,840	13,060	10,560	7,640	5,650
42	3,030	0.09	3,030	3,030	3,030	11.0	4,360	11,230	8,560	5,910	4,450
48	2,650	0.12	2,650	2,650	2,650	12.5	3,860	9,530	6,850	4,790	3,660
60	2,120	0.18	2,120	2,120	1,920	15.7	3,100	6,680	4,790	3,450	2,710
72	1,770	0.26	1,770	1,770	1,340	18.8	2,570	4,980	3,660	2,710	2,170
84	1,520	0.36	1,520	1,470	980	21.9	2,200	3,950	2,960	2,240	1,820
96	1,330	0.47	1,330	1,130	750	25.0	1,930	3,270	2,500	1,920	1,580
108	1,180	0.60	1,180	890	590	28.2	1,730	2,800	2,170	1,690	1,390
120	1,060	0.74	960	720	480	31.3	1,560	2,450	1,920	1,510	**
144	880	1.06	670	500	330	37.6	1,320	1,980	1,580	**	**
168	760	1.44	490	370	250	43.8	1,150	1,670	1,340	**	**
180	710	1.65	430	320	210	47.0	**	1,550	**	**	**
192	660	1.88	380	280	190	50.1	**	1,450	**	**	**
216	590	2.38	300	220	150	56.3	**	**	**	**	**
240	530	2.94	240	180	120	62.6	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

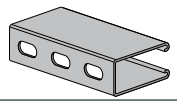
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

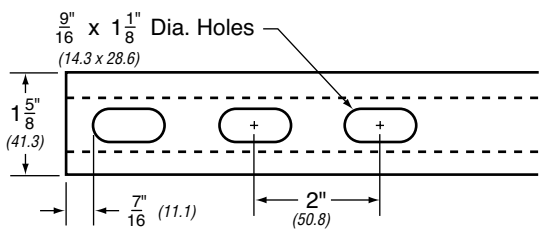
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	47.2	0.3	47.2	47.2	47.2	1.4	27.4	87.2	84.8	81.0	76.7
457	31.4	0.5	31.4	31.4	31.4	2.1	26.5	81.5	76.7	69.5	61.9
610	23.6	0.8	23.6	23.6	23.6	2.9	25.1	74.4	67.0	56.8	47.0
762	18.9	1.3	18.9	18.9	18.9	3.5	23.4	66.4	56.8	44.6	34.0
914	15.7	1.8	15.7	15.7	15.7	4.3	21.5	58.1	47.0	34.0	25.1
1,067	13.5	2.3	13.5	13.5	13.5	5.0	19.4	50.0	38.1	26.3	19.8
1,219	11.8	3.0	11.8	11.8	11.8	5.7	17.2	42.4	30.5	21.3	16.3
1,524	9.4	4.6	9.4	9.4	8.5	7.1	13.8	29.7	21.3	15.3	12.1
1,829	7.9	6.6	7.9	7.9	6.0	8.5	11.4	22.2	16.3	12.1	9.7
2,134	6.8	9.1	6.8	6.5	4.4	9.9	9.8	17.6	13.2	10.0	8.1
2,438	5.9	11.9	5.9	5.0	3.3	11.3	8.6	14.5	11.1	8.5	7.0
2,743	5.2	15.2	5.2	4.0	2.6	12.8	7.7	12.5	9.7	7.5	6.2
3,048	4.7	18.8	4.3	3.2	2.1	14.2	6.9	10.9	8.5	6.7	**
3,658	3.9	26.9	3.0	2.2	1.5	17.1	5.9	8.8	7.0	**	**
4,267	3.4	36.6	2.2	1.6	1.1	19.9	5.1	7.4	6.0	**	**
4,572	3.2	41.9	1.9	1.4	0.9	21.3	**	6.9	**	**	**
4,877	2.9	47.8	1.7	1.2	0.8	22.7	**	6.4	**	**	**
5,486	2.6	60.5	1.3	1.0	0.7	25.5	**	**	**	**	**
6,096	2.4	74.7	1.1	0.8	0.5	28.4	**	**	**	**	**

AS 100EH PL, GR, PG

WITH ELONGATED HOLES

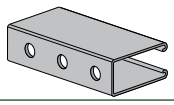


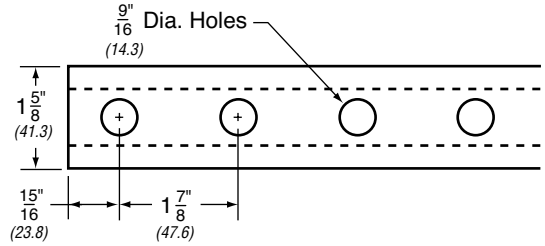


Wt/100 Ft: 300 Lbs

AS 100H PL, GR, PG

WITH HOLES

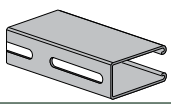


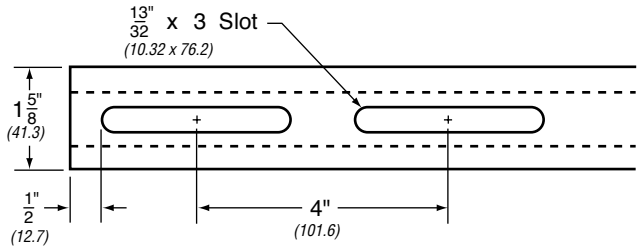


Wt/100 Ft: 308 Lbs

AS 100S PL, GR, PG

WITH LONG SLOTS

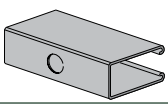


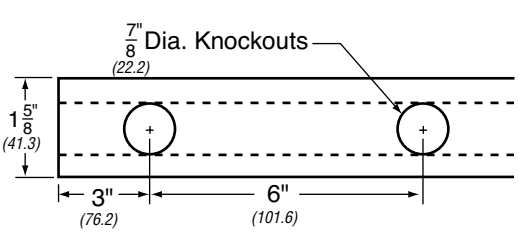


Wt/100 Ft: 298 Lbs

AS 100KO PL, GR, PG

WITH KNOCK OUT





Wt/100 Ft: 313 Lbs

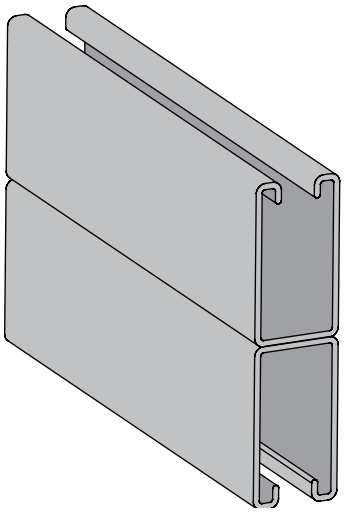
LEGEND:

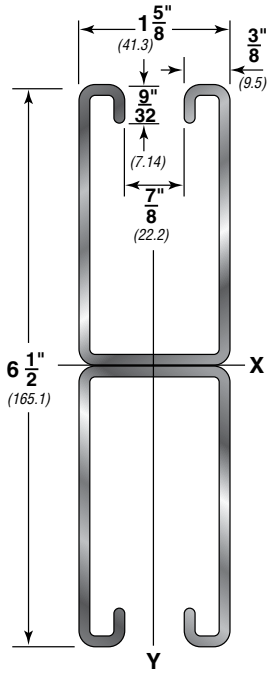
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 100 BTB

6½" X 1⅝" *(165.1 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 626#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm
AS 100 BTB	6.26	*9.3*	1.775	*11.452*	6.251	*260.185*	1.923	*31.512*	1.877	*4.768*	0.862	*35.879*	1.06	*17.370*	0.697	*1.770*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	6,890 *	0.00	6,890 *	6,890 *	6,890 *	6.3	10,910	41,100	40,940	40,680	40,360
18	6,890 *	0.01	6,890 *	6,890 *	6,890 *	9.4	10,860	40,720	40,360	39,780	39,080
24	6,890 *	0.02	6,890 *	6,890 *	6,890 *	12.5	10,780	40,180	39,560	38,550	37,360
30	6,890 *	0.02	6,890 *	6,890 *	6,890 *	15.7	10,690	39,500	38,550	37,030	35,250
36	6,890 *	0.04	6,890 *	6,890 *	6,890 *	18.8	10,570	38,690	37,360	35,250	32,840
42	6,890 *	0.05	6,890 *	6,890 *	6,890 *	21.9	10,440	37,750	35,990	33,260	30,200
48	6,890 *	0.06	6,890 *	6,890 *	6,890 *	25.0	10,280	36,700	34,480	31,100	27,420
60	6,450	0.10	6,450	6,450	6,450	31.3	9,900	34,280	31,100	26,470	21,740
72	5,370	0.14	5,370	5,370	5,370	37.6	9,440	31,540	27,420	21,740	16,370
84	4,610	0.19	4,610	4,610	4,610	43.8	8,890	28,590	23,620	17,230	12,030
96	4,030	0.25	4,030	4,030	4,030	50.1	8,260	25,520	19,890	13,270	9,210
108	3,580	0.32	3,580	3,580	3,370	56.3	7,550	22,440	16,370	10,480	7,280
120	3,220	0.39	3,220	3,220	2,730	62.6	6,790	19,440	13,270	8,490	**
144	2,690	0.57	2,690	2,690	1,900	75.1	5,510	13,960	9,210	**	**
168	2,300	0.77	2,300	2,090	1,390	87.6	4,520	10,250	6,770	**	**
180	2,150	0.89	2,150	1,820	1,210	93.9	**	8,930	**	**	**
192	2,020	1.01	2,020	1,600	1,070	100.2	**	7,850	**	**	**
216	1,790	1.27	1,690	1,260	840	112.7	**	**	**	**	**
240	1,610	1.57	1,370	1,020	680	125.2	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	30.6 *	0.0	30.6 *	30.6 *	30.6 *	2.9	48.5	182.8	182.1	181.0	179.5
457	30.6 *	0.3	30.6 *	30.6 *	30.6 *	4.3	48.3	181.1	179.5	177.0	173.8
610	30.6 *	0.5	30.6 *	30.6 *	30.6 *	5.7	48.0	178.7	176.0	171.5	166.2
762	30.6 *	0.5	30.6 *	30.6 *	30.6 *	7.1	47.6	175.7	171.5	164.7	156.8
914	30.6 *	1.0	30.6 *	30.6 *	30.6 *	8.5	47.0	172.1	166.2	156.8	146.1
1,067	30.6 *	1.3	30.6 *	30.6 *	30.6 *	9.9	46.4	167.9	160.1	147.9	134.3
1,219	30.6 *	1.5	30.6 *	30.6 *	30.6 *	11.3	45.7	163.2	153.4	138.3	122.0
1,524	28.7	2.5	28.7	28.7	28.7	14.2	44.0	152.5	138.3	117.7	96.7
1,829	23.9	3.6	23.9	23.9	23.9	17.1	42.0	140.3	122.0	96.7	72.8
2,134	20.5	4.8	20.5	20.5	20.5	19.9	39.5	127.2	105.1	76.6	53.5
2,438	17.9	6.4	17.9	17.9	17.9	22.7	36.7	113.5	88.5	59.0	41.0
2,743	15.9	8.1	15.9	15.9	15.0	25.5	33.6	99.8	72.8	46.6	32.4
3,048	14.3	9.9	14.3	14.3	12.1	28.4	30.2	86.5	59.0	37.8	**
3,658	12.0	14.5	12.0	12.0	8.5	34.1	24.5	62.1	41.0	**	**
4,267	10.2	19.6	10.2	9.3	6.2	39.7	20.1	45.6	30.1	**	**
4,572	9.6	22.6	9.6	8.1	5.4	42.6	**	39.7	**	**	**
4,877	9.0	25.7	9.0	7.1	4.8	45.4	**	34.9	**	**	**
5,486	8.0	32.3	7.5	5.6	3.7	51.1	**	**	**	**	**
6,096	7.2	39.9	6.1	4.5	3.0	56.8	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

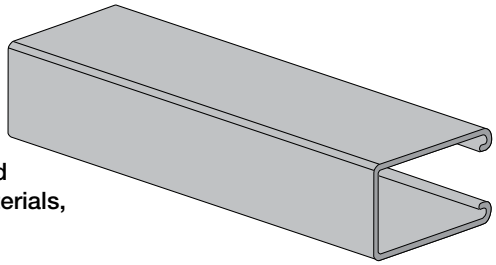
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

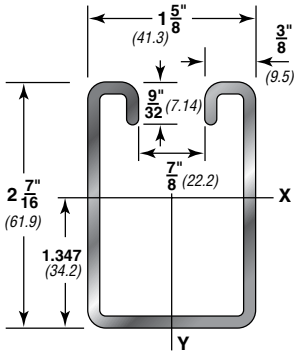
AS 150

2 7/16" X 1 5/8" *(61.9 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 254#

Stocked in pre-galvanized, plain and powder coated Supr-green, in both 10 and 20 ft. lengths. Other materials, finishes and lengths are available upon request.

See pages 22-23, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 150	2.54	*3.8*	0.720	*4.645*	0.525	*21.852*	0.396	*6.489*	0.854	*2.169*	0.334	*13.902*	0.411	*6.735*	0.681	*1.730*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	6,640	0.01	6,640	6,640	6,640	2.5	5,050	15,940	15,530	14,880	14,140
18	4,430	0.02	4,430	4,430	4,430	3.8	4,870	14,970	14,140	12,920	11,640
24	3,320	0.04	3,320	3,320	3,320	5.1	4,630	13,750	12,500	10,790	9,160
30	2,660	0.06	2,660	2,660	2,660	6.4	4,350	12,390	10,790	8,770	7,020
36	2,210	0.09	2,210	2,210	2,210	7.6	4,030	11,000	9,160	7,020	5,360
42	1,900	0.12	1,900	1,900	1,870	8.9	3,700	9,650	7,680	5,590	4,320
48	1,660	0.15	1,660	1,660	1,430	10.2	3,350	8,400	6,390	4,620	3,630
60	1,330	0.24	1,330	1,330	920	12.7	2,770	6,240	4,620	3,450	2,770
72	1,110	0.35	1,110	960	640	15.2	2,360	4,790	3,630	2,770	2,260
84	950	0.47	940	700	470	17.8	2,070	3,890	3,010	2,330	1,910
96	830	0.62	720	540	360	20.3	1,850	3,290	2,580	2,020	1,650
108	740	0.78	570	420	280	22.9	1,670	2,860	2,260	1,770	1,440
120	660	0.97	460	340	230	25.4	1,520	2,530	2,020	1,580	**
144	550	1.39	320	240	160	30.5	1,290	2,070	1,650	**	**
168	470	1.89	230	180	120	35.6	1,110	1,750	1,380	**	**
180	440	2.17	200	150	100	38.1	**	1,620	**	**	**
192	420	2.47	180	130	90	40.6	**	1,510	**	**	**
216	370	3.13	140	110	70	45.7	**	**	**	**	**
240	330	3.86	110	90	60	50.8	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

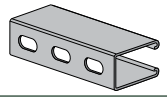
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

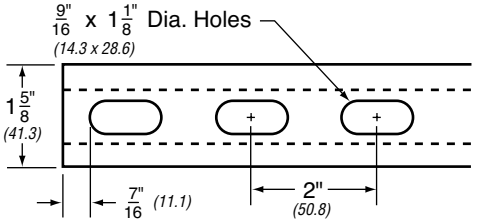
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	29.5	0.3	29.5	29.5	29.5	1.1	22.5	70.9	69.1	66.2	62.9
457	19.7	0.5	19.7	19.7	19.7	1.7	21.7	66.6	62.9	57.5	51.8
610	14.8	1.0	14.8	14.8	14.8	2.3	20.6	61.2	55.6	48.0	40.7
762	11.8	1.5	11.8	11.8	11.8	2.9	19.3	55.1	48.0	39.0	31.2
914	9.8	2.3	9.8	9.8	9.8	3.4	17.9	48.9	40.7	31.2	23.8
1,067	8.5	3.0	8.5	8.5	8.3	4.0	16.5	42.9	34.2	24.9	19.2
1,219	7.4	3.8	7.4	7.4	6.4	4.6	14.9	37.4	28.4	20.6	16.1
1,524	5.9	6.1	5.9	5.9	4.1	5.8	12.3	27.8	20.6	15.3	12.3
1,829	4.9	8.9	4.9	4.3	2.8	6.9	10.5	21.3	16.1	12.3	10.1
2,134	4.2	11.9	4.2	3.1	2.1	8.1	9.2	17.3	13.4	10.4	8.5
2,438	3.7	15.7	3.2	2.4	1.6	9.2	8.2	14.6	11.5	9.0	7.3
2,743	3.3	19.8	2.5	1.9	1.2	10.4	7.4	12.7	10.1	7.9	6.4
3,048	2.9	24.6	2.0	1.5	1.0	11.5	6.8	11.3	9.0	7.0	**
3,658	2.4	35.3	1.4	1.1	0.7	13.8	5.7	9.2	7.3	**	**
4,267	2.1	48.0	1.0	0.8	0.5	16.1	4.9	7.8	6.1	**	**
4,572	2.0	55.1	0.9	0.7	0.4	17.3	**	7.2	**	**	**
4,877	1.9	62.7	0.8	0.6	0.4	18.4	**	6.7	**	**	**
5,486	1.6	79.5	0.6	0.5	0.3	20.7	**	**	**	**	**
6,096	1.5	98.0	0.5	0.4	0.3	23.0	**	**	**	**	**

AS 150EH **PL, GR, PG**

WITH ELONGATED HOLES

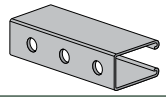


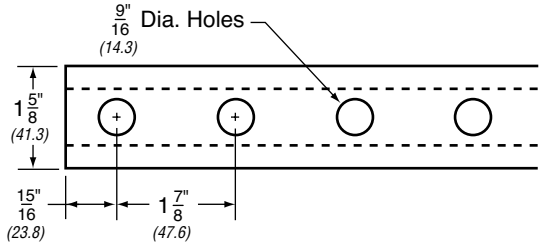


Wt/100 Ft: 249 Lbs

AS 150H **PL, GR, PG**

WITH HOLES

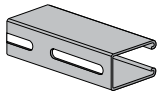


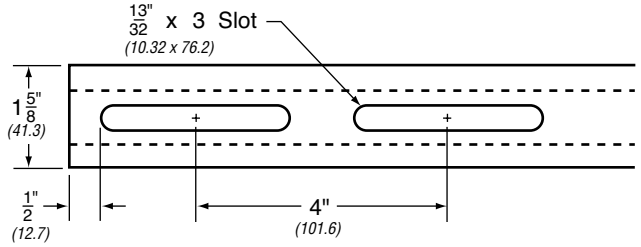


Wt/100 Ft: 249 Lbs

AS 150S **PL, GR, PG**

WITH LONG SLOTS

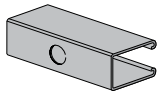


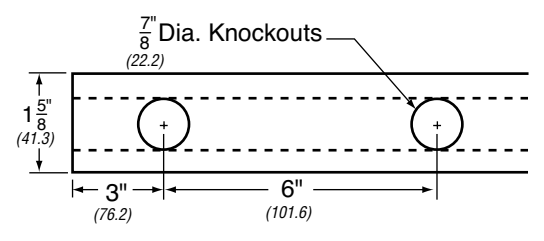


Wt/100 Ft: 239 Lbs

AS 150KO **PL, GR, PG**

WITH KNOCK OUT





Wt/100 Ft: 254 Lbs

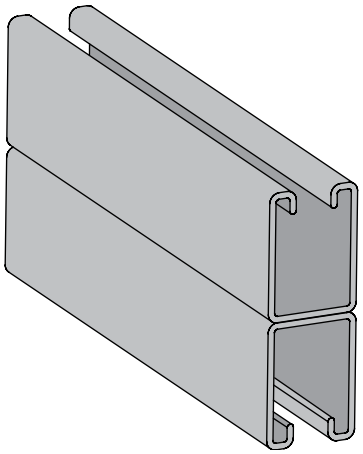
LEGEND:

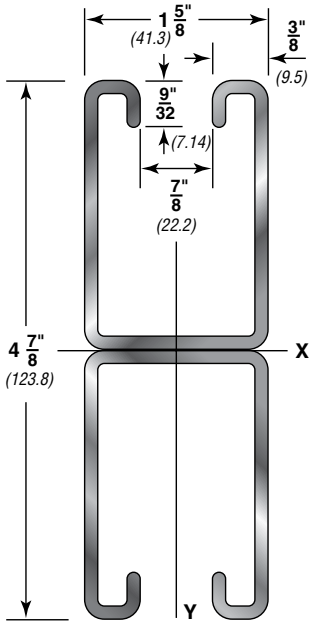
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 150 BTB

4⅞" X 1⅝" *(123.8 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 508#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq.cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 150 BTB	5.08	*7.6*	1.439	*9.284*	2.832	*117.876*	1.162	*19.042*	1.403	*3.564*	0.667	*27.763*	0.82	*13.437*	0.681	*1.730*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	5,220 *	0.01	5,220 *	5,220 *	5,220 *	5.1	8,800	33,310	33,180	32,950	32,680
18	5,220 *	0.01	5,220 *	5,220 *	5,220 *	7.6	8,750	32,980	32,680	32,190	31,600
24	5,220 *	0.02	5,220 *	5,220 *	5,220 *	10.2	8,680	32,530	32,000	31,150	30,140
30	5,220 *	0.03	5,220 *	5,220 *	5,220 *	12.7	8,590	31,950	31,150	29,860	28,360
36	5,220 *	0.05	5,220 *	5,220 *	5,220 *	15.2	8,480	31,270	30,140	28,360	26,330
42	5,220 *	0.06	5,220 *	5,220 *	5,220 *	17.8	8,350	30,470	28,980	26,680	24,120
48	4,870	0.08	4,870	4,870	4,870	20.3	8,200	29,580	27,710	24,870	21,790
60	3,900	0.13	3,900	3,900	3,900	25.4	7,860	27,540	24,870	21,010	17,090
72	3,250	0.19	3,250	3,250	3,250	30.5	7,440	25,240	21,790	17,090	12,670
84	2,780	0.26	2,780	2,780	2,530	35.6	6,960	22,770	18,650	13,390	9,310
96	2,440	0.34	2,440	2,440	1,930	40.6	6,420	20,220	15,570	10,270	7,130
108	2,160	0.43	2,160	2,160	1,530	45.7	5,820	17,670	12,670	8,110	5,630
120	1,950	0.52	1,950	1,860	1,240	50.8	5,230	15,200	10,270	6,570	**
144	1,620	0.76	1,620	1,290	860	61.0	4,230	10,800	7,130	**	**
168	1,390	1.03	1,260	950	630	71.1	3,470	7,930	5,240	**	**
180	1,300	1.18	1,100	830	550	76.2	**	6,910	**	**	**
192	1,220	1.34	970	730	480	81.3	**	6,070	**	**	**
216	1,080	1.70	760	570	380	91.4	**	**	**	**	**
240	970	2.10	620	460	310	101.6	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	23.2 *	0.3	23.2 *	23.2 *	23.2 *	2.3	39.1	148.2	147.6	146.6	145.4
457	23.2 *	0.3	23.2 *	23.2 *	23.2 *	3.4	38.9	146.7	145.4	143.2	140.6
610	23.2 *	0.5	23.2 *	23.2 *	23.2 *	4.6	38.6	144.7	142.3	138.6	134.1
762	23.2 *	0.8	23.2 *	23.2 *	23.2 *	5.8	38.2	142.1	138.6	132.8	126.2
914	23.2 *	1.3	23.2 *	23.2 *	23.2 *	6.9	37.7	139.1	134.1	126.2	117.1
1,067	23.2 *	1.5	23.2 *	23.2 *	23.2 *	8.1	37.1	135.5	128.9	118.7	107.3
1,219	21.7	2.0	21.7	21.7	21.7	9.2	36.5	131.6	123.3	110.6	96.9
1,524	17.3	3.3	17.3	17.3	17.3	11.5	35.0	122.5	110.6	93.5	76.0
1,829	14.5	4.8	14.5	14.5	14.5	13.8	33.1	112.3	96.9	76.0	56.4
2,134	12.4	6.6	12.4	12.4	11.3	16.1	31.0	101.3	83.0	59.6	41.4
2,438	10.9	8.6	10.9	10.9	8.6	18.4	28.6	89.9	69.3	45.7	31.7
2,743	9.6	10.9	9.6	9.6	6.8	20.7	25.9	78.6	56.4	36.1	25.0
3,048	8.7	13.2	8.7	8.3	5.5	23.0	23.3	67.6	45.7	29.2	**
3,658	7.2	19.3	7.2	5.7	3.8	27.7	18.8	48.0	31.7	**	**
4,267	6.2	26.2	5.6	4.2	2.8	32.3	15.4	35.3	23.3	**	**
4,572	5.8	30.0	4.9	3.7	2.4	34.6	**	30.7	**	**	**
4,877	5.4	34.0	4.3	3.2	2.1	36.9	**	27.0	**	**	**
5,486	4.8	43.2	3.4	2.5	1.7	41.5	**	**	**	**	**
6,096	4.3	53.3	2.8	2.0	1.4	46.1	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

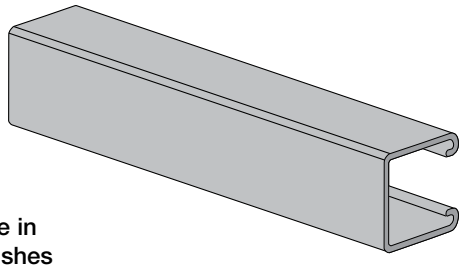
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

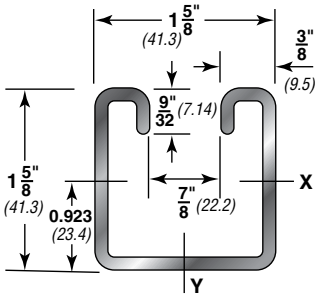
AS 200

1⅝" X 1⅝" *(41.3 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 194#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.

See pages 26-27, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 200	1.94	*2.9*	0.552	*3.561*	0.188	*7.825*	0.208	*3.409*	0.584	*1.483*	0.236	*9.823*	0.290	*4.752*	0.654	*1.661*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	3,480	0.01	3,480	3,480	3,480	1.9	3,850	12,240	11,940	11,480	10,960
18	2,320	0.03	2,320	2,320	2,320	2.9	3,710	11,540	10,960	10,130	9,290
24	1,740	0.06	1,740	1,740	1,740	3.9	3,530	10,690	9,850	8,740	7,710
30	1,390	0.09	1,390	1,390	1,310	4.9	3,330	9,780	8,740	7,470	6,380
36	1,160	0.13	1,160	1,160	910	5.8	3,120	8,880	7,710	6,380	5,310
42	990	0.17	990	990	670	6.8	2,910	8,020	6,800	5,470	4,430
48	870	0.23	870	770	510	7.8	2,710	7,240	6,000	4,690	3,810
60	700	0.35	660	490	330	9.7	2,340	5,910	4,690	3,630	2,960
72	580	0.51	460	340	230	11.6	2,040	4,840	3,810	2,960	2,400
84	500	0.69	340	250	170	13.6	1,800	4,040	3,200	2,480	1,980
96	430	0.90	260	190	130	15.5	1,600	3,480	2,750	2,110	1,670
108	390	1.14	200	150	100	17.5	1,440	3,050	2,400	1,820	**
120	350	1.41	160	120	80	19.4	1,290	2,700	2,110	**	**
144	290	2.03	110	90	60	23.3	1,060	2,180	1,670	**	**
168	250	2.77	80	60	40	27.2	**	1,790	**	**	**
180	230	3.18	70	50	40	29.1	**	**	**	**	**
192	220	3.61	60	50	NR	31.0	**	**	**	**	**
216	190	4.57	50	40	NR	34.9	**	**	**	**	**
240	170	5.65	40	NR	NR	38.8	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, H3 (9/16 holes) by 88%
   KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

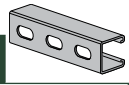
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

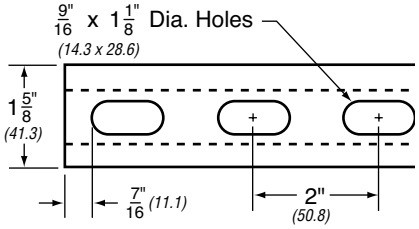
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	15.5	0.3	15.5	15.5	15.5	0.9	17.1	54.4	53.1	51.1	48.8
457	10.3	0.8	10.3	10.3	10.3	1.3	16.5	51.3	48.8	45.1	41.3
610	7.7	1.5	7.7	7.7	7.7	1.8	15.7	47.6	43.8	38.9	34.3
762	6.2	2.3	6.2	6.2	5.8	2.2	14.8	43.5	38.9	33.2	28.4
914	5.2	3.3	5.2	5.2	4.0	2.6	13.9	39.5	34.3	28.4	23.6
1,067	4.4	4.3	4.4	4.4	3.0	3.1	12.9	35.7	30.2	24.3	19.7
1,219	3.9	5.8	3.9	3.4	2.3	3.5	12.1	32.2	26.7	20.9	16.9
1,524	3.1	8.9	2.9	2.2	1.5	4.4	10.4	26.3	20.9	16.1	13.2
1,829	2.6	13.0	2.0	1.5	1.0	5.3	9.1	21.5	16.9	13.2	10.7
2,134	2.2	17.5	1.5	1.1	0.8	6.2	8.0	18.0	14.2	11.0	8.8
2,438	1.9	22.9	1.2	0.8	0.6	7.0	7.1	15.5	12.2	9.4	7.4
2,743	1.7	29.0	0.9	0.7	0.4	7.9	6.4	13.6	10.7	8.1	**
3,048	1.6	35.8	0.7	0.5	0.4	8.8	5.7	12.0	9.4	**	**
3,658	1.3	51.6	0.5	0.4	0.3	10.6	4.7	9.7	7.4	**	**
4,267	1.1	70.4	0.4	0.3	0.2	12.3	**	8.0	**	**	**
4,572	1.0	80.8	0.3	0.2	0.2	13.2	**	**	**	**	**
4,877	1.0	91.7	0.3	0.2	**	14.1	**	**	**	**	**
5,486	0.8	116.1	0.2	0.2	**	15.8	**	**	**	**	**
6,096	0.8	143.5	0.2	**	**	17.6	**	**	**	**	**

AS 200EH PL, GR, PG, SS, ZTC, HG

WITH ELONGATED HOLES

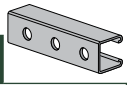


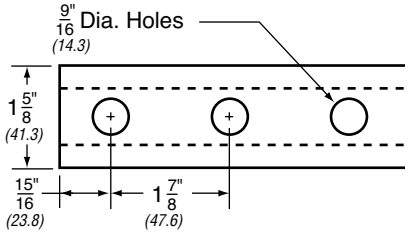


Wt/100 Ft: 189 Lbs

AS 200H PL, GR, PG

WITH HOLES

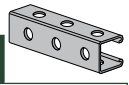


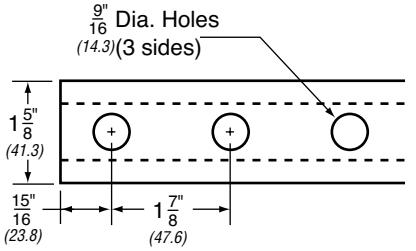


Wt/100 Ft: 189 Lbs

AS 200H3 PL, GR, PG

WITH HOLES ON 3 SIDES

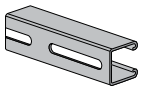


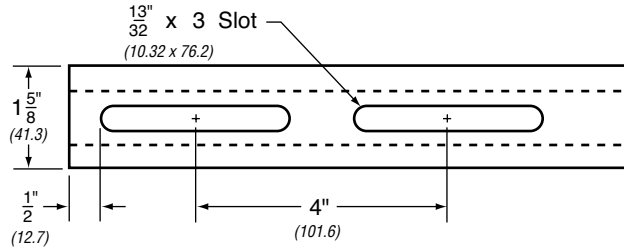


Wt/100 Ft: 179 Lbs

AS 200S PL, GR, PG

WITH LONG SLOTS

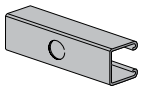


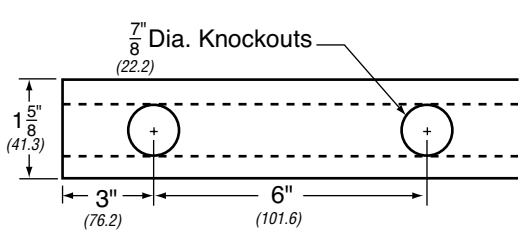


Wt/100 Ft: 179 Lbs

AS 200KO PL, GR, PG

WITH KNOCK OUT





Wt/100 Ft: 194 Lbs

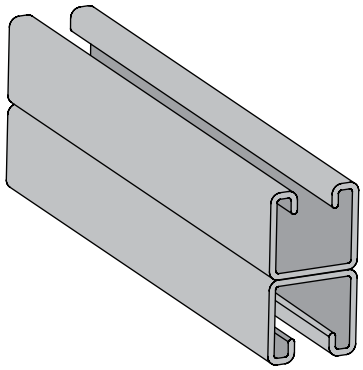
LEGEND:

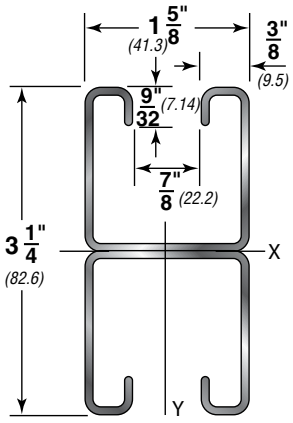
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 200 BTB

3¼" X 1⅝" *(82.6 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 388#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 200 BTB	3.88	*5.8*	1.104	*7.123*	0.947	*39.417*	0.583	*9.554*	0.926	*2.352*	0.473	*19.688*	0.582	*9.537*	0.655	*1.664*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	3,500 *	0.01	3,500 *	3,500 *	3,500 *	3.9	6,640	25,540	25,430	25,240	25,020
18	3,500 *	0.02	3,500 *	3,500 *	3,500 *	5.8	6,580	25,270	25,020	24,610	24,120
24	3,500 *	0.03	3,500 *	3,500 *	3,500 *	7.8	6,510	24,890	24,460	23,750	22,920
30	3,500 *	0.05	3,500 *	3,500 *	3,500 *	9.7	6,410	24,420	23,750	22,690	21,460
36	3,260	0.07	3,260	3,260	3,260	11.6	6,300	23,850	22,920	21,460	19,800
42	2,790	0.10	2,790	2,790	2,790	13.6	6,170	23,190	21,970	20,090	18,010
48	2,440	0.13	2,440	2,440	2,440	15.5	6,030	22,460	20,930	18,620	16,140
60	1,950	0.20	1,950	1,950	1,660	19.4	5,690	20,790	18,620	15,510	12,410
72	1,630	0.28	1,630	1,630	1,150	23.3	5,310	18,920	16,140	12,410	8,990
84	1,400	0.39	1,400	1,270	840	27.2	4,890	16,920	13,630	9,510	6,600
96	1,220	0.50	1,220	970	650	31.0	4,450	14,880	11,220	7,280	5,060
108	1,090	0.64	1,020	770	510	34.9	3,980	12,860	8,990	5,750	3,990
120	980	0.79	830	620	410	38.8	3,560	10,930	7,280	4,660	**
144	810	1.13	570	430	290	46.6	2,870	7,660	5,060	**	**
168	700	1.54	420	320	210	54.3	**	5,630	**	**	**
180	650	1.77	370	280	180	58.2	**	4,900	**	**	**
192	610	2.01	320	240	160	62.1	**	4,310	**	**	**
216	540	2.55	260	190	130	69.8	**	**	**	**	**
240	490	3.15	210	160	100	77.6	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	15.6 *	0.3	15.6 *	15.6 *	15.6 *	1.8	29.5	113.6	113.1	112.3	111.3
457	15.6 *	0.5	15.6 *	15.6 *	15.6 *	2.6	29.3	112.4	111.3	109.5	107.3
610	15.6 *	0.8	15.6 *	15.6 *	15.6 *	3.5	29.0	110.7	108.8	105.6	102.0
762	15.6 *	1.3	15.6 *	15.6 *	15.6 *	4.4	28.5	108.6	105.6	100.9	95.5
914	14.5	1.8	14.5	14.5	14.5	5.3	28.0	106.1	102.0	95.5	88.1
1,067	12.4	2.5	12.4	12.4	12.4	6.2	27.4	103.2	97.7	89.4	80.1
1,219	10.9	3.3	10.9	10.9	10.9	7.0	26.8	99.9	93.1	82.8	71.8
1,524	8.7	5.1	8.7	8.7	7.4	8.8	25.3	92.5	82.8	69.0	55.2
1,829	7.3	7.1	7.3	7.3	5.1	10.6	23.6	84.2	71.8	55.2	40.0
2,134	6.2	9.9	6.2	5.6	3.7	12.3	21.8	75.3	60.6	42.3	29.4
2,438	5.4	12.7	5.4	4.3	2.9	14.1	19.8	66.2	49.9	32.4	22.5
2,743	4.8	16.3	4.5	3.4	2.3	15.8	17.7	57.2	40.0	25.6	17.7
3,048	4.4	20.1	3.7	2.8	1.8	17.6	15.8	48.6	32.4	20.7	**
3,658	3.6	28.7	2.5	1.9	1.3	21.1	12.8	34.1	22.5	**	**
4,267	3.1	39.1	1.9	1.4	0.9	24.6	**	25.0	**	**	**
4,572	2.9	45.0	1.6	1.2	0.8	26.4	**	21.8	**	**	**
4,877	2.7	51.1	1.4	1.1	0.7	28.2	**	19.2	**	**	**
5,486	2.4	64.8	1.2	0.8	0.6	31.7	**	**	**	**	**
6,096	2.2	80.0	0.9	0.7	0.4	35.2	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

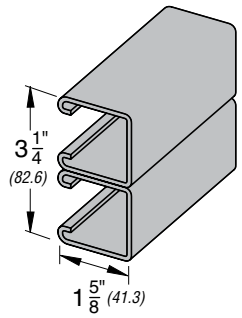
** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 52 for reduction factors for unbraced lengths
3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .

AS 200STS PL, GR, PG

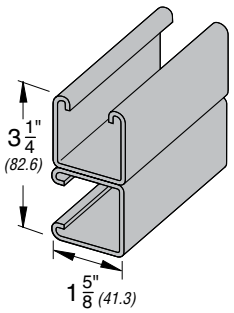
SIDE-TO-SIDE



Wt/100 Ft: 388 Lbs

AS 200BTS PL, GR, PG

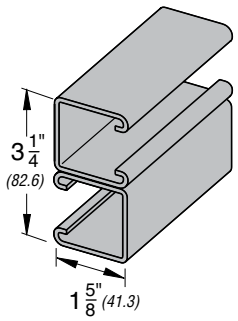
BACK-TO-SIDE



Wt/100 Ft: 388 Lbs

AS 200STSR PL, GR, PG

SIDE-TO-REVERSE SIDE



Wt/100 Ft: 388 Lbs

LEGEND:

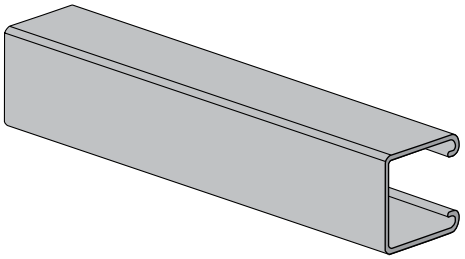
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

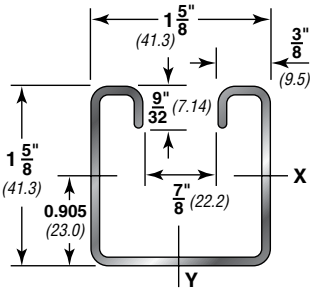
AS 210

1⅝" X 1⅝" *(41.3 x 41.3mm)*
14 Gauge Channel • wt./100 ft. - 145#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.

See pages 30-31, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 210	1.45	*2.2*	0.416	*2.684*	0.149	*6.202*	0.166	*2.720*	0.598	*1.519*	0.183	*7.617*	0.225	*3.687*	0.663	*1.684*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	2,790	0.01	2,790	2,790	2,790	1.5	3,050	9,230	9,000	8,640	8,230
18	1,860	0.03	1,860	1,860	1,860	2.2	2,930	8,690	8,230	7,550	6,830
24	1,400	0.06	1,400	1,400	1,400	2.9	2,770	8,010	7,310	6,350	5,420
30	1,120	0.09	1,120	1,120	1,040	3.6	2,590	7,250	6,350	5,200	4,190
36	930	0.13	930	930	720	4.4	2,390	6,470	5,420	4,190	3,210
42	800	0.18	800	800	530	5.1	2,180	5,700	4,570	3,350	2,580
48	700	0.23	700	610	410	5.8	1,980	4,990	3,830	2,760	2,160
60	560	0.36	520	390	260	7.3	1,620	3,740	2,760	2,050	1,640
72	470	0.51	360	270	180	8.7	1,370	2,860	2,160	1,640	1,330
84	400	0.70	270	200	130	10.2	1,190	2,320	1,780	1,370	1,120
96	350	0.91	200	150	100	11.6	1,050	1,950	1,520	1,180	960
108	310	1.16	160	120	80	13.1	940	1,690	1,330	1,030	**
120	280	1.43	130	100	70	14.5	850	1,500	1,180	**	**
144	230	2.06	90	70	50	17.4	710	1,220	960	**	**
168	200	2.80	70	50	30	20.3	**	1,020	**	**	**
180	190	3.21	60	40	30	21.8	**	940	**	**	**
192	170	3.66	50	40	30	23.2	**	**	**	**	**
216	160	4.63	40	30	NR	26.1	**	**	**	**	**
240	140	5.72	30	NR	NR	29.0	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

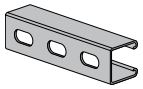
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

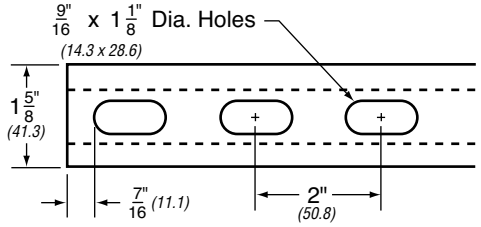
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	12.4	0.3	12.4	12.4	12.4	0.7	13.6	41.1	40.0	38.4	36.6
457	8.3	0.8	8.3	8.3	8.3	1.0	13.0	38.7	36.6	33.6	30.4
610	6.2	1.5	6.2	6.2	6.2	1.3	12.3	35.6	32.5	28.2	24.1
762	5.0	2.3	5.0	5.0	4.6	1.6	11.5	32.2	28.2	23.1	18.6
914	4.1	3.3	4.1	4.1	3.2	2.0	10.6	28.8	24.1	18.6	14.3
1,067	3.6	4.6	3.6	3.6	2.4	2.3	9.7	25.4	20.3	14.9	11.5
1,219	3.1	5.8	3.1	2.7	1.8	2.6	8.8	22.2	17.0	12.3	9.6
1,524	2.5	9.1	2.3	1.7	1.2	3.3	7.2	16.6	12.3	9.1	7.3
1,829	2.1	13.0	1.6	1.2	0.8	3.9	6.1	12.7	9.6	7.3	5.9
2,134	1.8	17.8	1.2	0.9	0.6	4.6	5.3	10.3	7.9	6.1	5.0
2,438	1.6	23.1	0.9	0.7	0.4	5.3	4.7	8.7	6.8	5.2	4.3
2,743	1.4	29.5	0.7	0.5	0.4	5.9	4.2	7.5	5.9	4.6	**
3,048	1.2	36.3	0.6	0.4	0.3	6.6	3.8	6.7	5.2	**	**
3,658	1.0	52.3	0.4	0.3	0.2	7.9	3.2	5.4	4.3	**	**
4,267	0.9	71.1	0.3	0.2	0.1	9.2	**	4.5	**	**	**
4,572	0.8	81.5	0.3	0.2	0.1	9.9	**	4.2	**	**	**
4,877	0.8	93.0	0.2	0.2	0.1	10.5	**	**	**	**	**
5,486	0.7	117.6	0.2	0.1	NR	11.8	**	**	**	**	**
6,096	0.6	145.3	0.1	NR	NR	13.2	**	**	**	**	**

AS 210EH PL, GR, PG, SS, ZTC, HG

WITH ELONGATED HOLES

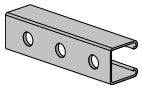


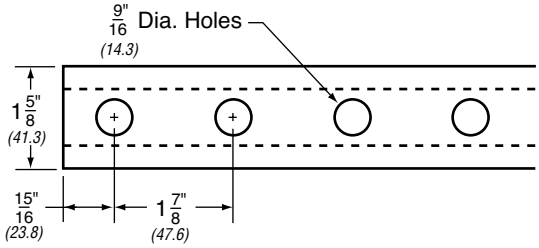


Wt/100 Ft: 140 Lbs

AS 210H PL, GR, PG

WITH HOLES

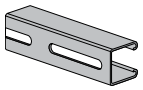


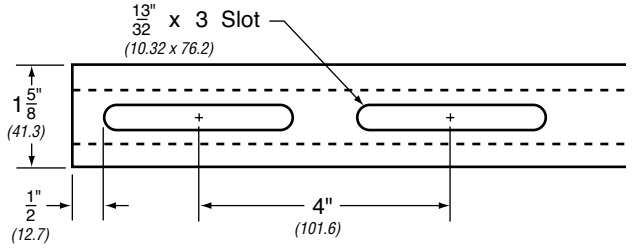


Wt/100 Ft: 140 Lbs

AS 210S PL, GR, PG

WITH LONG SLOTS

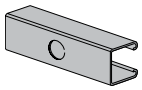


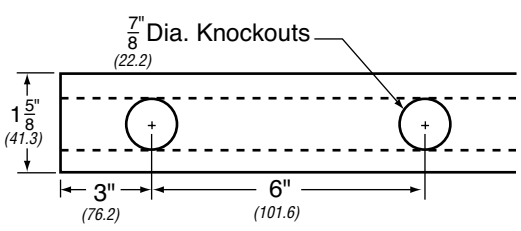


Wt/100 Ft: 130 Lbs

AS 210KO PL, GR, PG

WITH KNOCK OUT





Wt/100 Ft: 145 Lbs

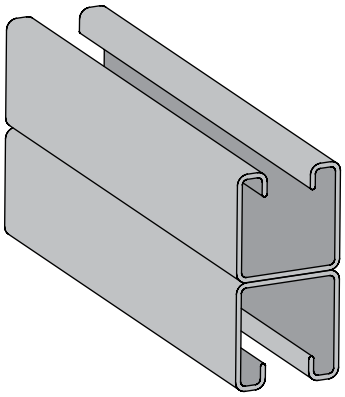
LEGEND:

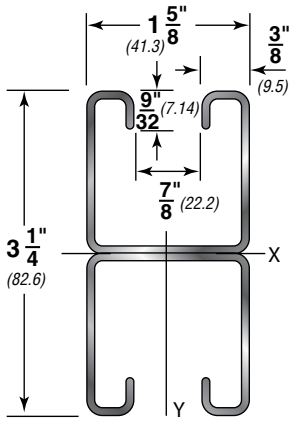
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 210 BTB

3¼" X 1⅝" *(82.6 x 41.3mm)*
14 Gauge Back-to-Back • wt./100 ft. - 290#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 210 BTB	2.9	*4.3*	0.832	*5.368*	0.741	*30.843*	0.456	*7.473*	0.944	*2.398*	0.366	*15.234*	0.45	*7.374*	0.663	*1.684*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	2,180 *	0.01	2,180 *	2,180 *	2,180 *	2.9	5,140	19,250	19,170	19,030	18,870
18	2,180 *	0.02	2,180 *	2,180 *	2,180 *	4.4	5,100	19,050	18,870	18,570	18,210
24	2,180 *	0.03	2,180 *	2,180 *	2,180 *	5.8	5,040	18,780	18,460	17,940	17,320
30	2,180 *	0.05	2,180 *	2,180 *	2,180 *	7.3	4,970	18,430	17,940	17,160	16,250
36	2,180 *	0.07	2,180 *	2,180 *	2,180 *	8.7	4,880	18,010	17,320	16,250	15,030
42	2,180 *	0.10	2,180 *	2,180 *	2,180 *	10.2	4,780	17,530	16,630	15,240	13,700
48	1,910	0.13	1,910	1,910	1,910	11.6	4,670	16,990	15,860	14,150	12,310
60	1,530	0.20	1,530	1,530	1,300	14.5	4,420	15,760	14,150	11,840	9,530
72	1,270	0.28	1,270	1,270	900	17.4	4,120	14,370	12,310	9,530	6,960
84	1,090	0.39	1,090	990	660	20.3	3,800	12,890	10,450	7,360	5,110
96	960	0.50	960	760	510	23.2	3,460	11,380	8,640	5,630	3,910
108	850	0.64	800	600	400	26.1	3,100	9,870	6,960	4,450	3,090
120	760	0.79	650	490	320	29.0	2,770	8,420	5,630	3,610	**
144	640	1.13	450	340	220	34.8	2,230	5,930	3,910	**	**
168	550	1.54	330	250	170	40.6	**	4,350	**	**	**
180	510	1.77	290	220	140	43.5	**	3,790	**	**	**
192	480	2.01	250	190	130	46.4	**	3,330	**	**	**
216	420	2.55	200	150	100	52.2	**	**	**	**	**
240	380	3.15	160	120	80	58.0	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	9.7 *	0.3	9.7 *	9.7 *	9.7 *	1.3	22.9	85.6	85.3	84.6	83.9
457	9.7 *	0.5	9.7 *	9.7 *	9.7 *	2.0	22.7	84.7	83.9	82.6	81.0
610	9.7 *	0.8	9.7 *	9.7 *	9.7 *	2.6	22.4	83.5	82.1	79.8	77.0
762	9.7 *	1.3	9.7 *	9.7 *	9.7 *	3.3	22.1	82.0	79.8	76.3	72.3
914	9.7 *	1.8	9.7 *	9.7 *	9.7 *	3.9	21.7	80.1	77.0	72.3	66.9
1,067	9.7 *	2.5	9.7 *	9.7 *	9.7 *	4.6	21.3	78.0	74.0	67.8	60.9
1,219	8.5	3.3	8.5	8.5	8.5	5.3	20.8	75.6	70.5	62.9	54.8
1,524	6.8	5.1	6.8	6.8	5.8	6.6	19.7	70.1	62.9	52.7	42.4
1,829	5.6	7.1	5.6	5.6	4.0	7.9	18.3	63.9	54.8	42.4	31.0
2,134	4.8	9.9	4.8	4.4	2.9	9.2	16.9	57.3	46.5	32.7	22.7
2,438	4.3	12.7	4.3	3.4	2.3	10.5	15.4	50.6	38.4	25.0	17.4
2,743	3.8	16.3	3.6	2.7	1.8	11.8	13.8	43.9	31.0	19.8	13.7
3,048	3.4	20.1	2.9	2.2	1.4	13.2	12.3	37.5	25.0	16.1	**
3,658	2.8	28.7	2.0	1.5	1.0	15.8	9.9	26.4	17.4	**	**
4,267	2.4	39.1	1.5	1.1	0.8	18.4	**	19.3	**	**	**
4,572	2.3	45.0	1.3	1.0	0.6	19.7	**	16.9	**	**	**
4,877	2.1	51.1	1.1	0.8	0.6	21.0	**	14.8	**	**	**
5,486	1.9	64.8	0.9	0.7	0.4	23.7	**	**	**	**	**
6,096	1.7	80.0	0.7	0.5	0.4	26.3	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

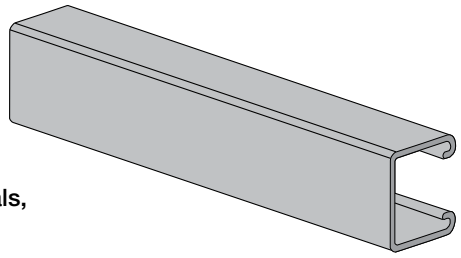
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

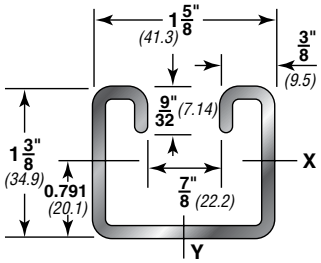
AS 300

1⅜" X 1⅝" *(34.9 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 176#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.

See pages 34-35, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 300	1.76	*2.6*	0.5	*3.226*	0.123	*5.120*	0.159	*2.606*	0.496	*1.260*	0.206	*8.574*	0.253	*4.146*	0.642	*1.631*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	2,660	0.02	2,660	2,660	2,660	1.8	3,450	11,080	10,810	10,390	9,940
18	1,770	0.04	1,770	1,770	1,770	2.6	3,310	10,450	9,940	9,220	8,510
24	1,330	0.07	1,330	1,330	1,330	3.5	3,140	9,700	8,980	8,060	7,220
30	1,060	0.10	1,060	1,060	860	4.4	2,960	8,930	8,060	7,030	6,140
36	890	0.15	890	890	600	5.3	2,780	8,170	7,220	6,140	5,260
42	760	0.20	760	660	440	6.2	2,600	7,470	6,480	5,400	4,510
48	670	0.26	670	500	340	7.0	2,430	6,840	5,830	4,750	3,890
60	530	0.41	430	320	220	8.8	2,110	5,760	4,750	3,710	3,010
72	440	0.59	300	220	150	10.6	1,830	4,870	3,890	3,010	2,340
84	380	0.81	220	160	110	12.3	1,600	4,130	3,260	2,470	**
96	330	1.06	170	130	80	14.1	1,410	3,550	2,790	1,890	**
108	300	1.34	130	100	70	15.8	1,230	3,100	2,340	**	**
120	270	1.65	110	80	50	17.6	1,070	2,740	1,890	**	**
144	220	2.38	70	60	40	21.1	**	1,990	**	**	**
168	190	3.23	50	40	30	24.6	**	**	**	**	**
180	180	3.71	50	40	NR	26.4	**	**	**	**	**
192	170	4.22	40	30	NR	28.2	**	**	**	**	**
216	150	5.35	NR	NR	NR	31.7	**	**	**	**	**
240	130	6.60	NR	NR	NR	35.2	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

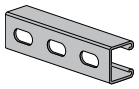
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

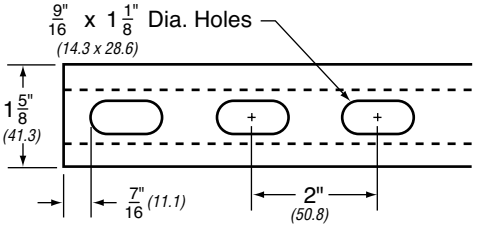
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	11.8	0.5	11.8	11.8	11.8	0.8	15.3	49.3	48.1	46.2	44.2
457	7.9	1.0	7.9	7.9	7.9	1.2	14.7	46.5	44.2	41.0	37.9
610	5.9	1.8	5.9	5.9	5.9	1.6	14.0	43.1	39.9	35.9	32.1
762	4.7	2.5	4.7	4.7	3.8	2.0	13.2	39.7	35.9	31.3	27.3
914	4.0	3.8	4.0	4.0	2.7	2.4	12.4	36.3	32.1	27.3	23.4
1,067	3.4	5.1	3.4	2.9	2.0	2.8	11.6	33.2	28.8	24.0	20.1
1,219	3.0	6.6	3.0	2.2	1.5	3.2	10.8	30.4	25.9	21.1	17.3
1,524	2.4	10.4	1.9	1.4	1.0	4.0	9.4	25.6	21.1	16.5	13.4
1,829	2.0	15.0	1.3	1.0	0.7	4.8	8.1	21.7	17.3	13.4	10.4
2,134	1.7	20.6	1.0	0.7	0.5	5.6	7.1	18.4	14.5	11.0	**
2,438	1.5	26.9	0.8	0.6	0.4	6.4	6.3	15.8	12.4	8.4	**
2,743	1.3	34.0	0.6	0.4	0.3	7.2	5.5	13.8	10.4	**	**
3,048	1.2	41.9	0.5	0.4	0.2	8.0	4.8	12.2	8.4	**	**
3,658	1.0	60.5	0.3	0.3	0.2	9.6	**	8.9	**	**	**
4,267	0.8	82.0	0.2	0.2	0.1	11.2	**	**	**	**	**
4,572	0.8	94.2	0.2	0.2	NR	12.0	**	**	**	**	**
4,877	0.8	107.2	0.2	0.1	NR	12.8	**	**	**	**	**
5,486	0.7	135.9	NR	NR	NR	14.4	**	**	**	**	**
6,096	0.6	167.6	NR	NR	NR	16.0	**	**	**	**	**

AS 300EH **PL, GR, PG**

WITH ELONGATED HOLES

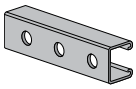


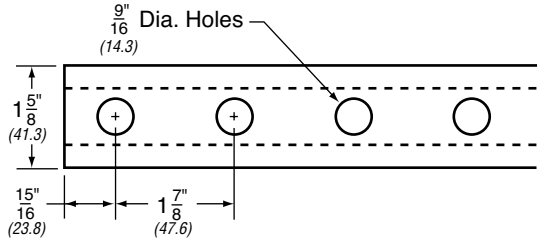


Wt/100 Ft: 171 Lbs

AS 300H **PL, GR, PG**

WITH HOLES

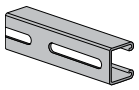


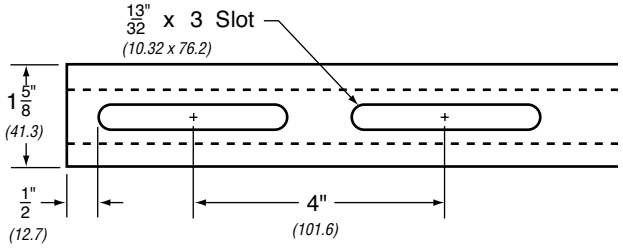


Wt/100 Ft: 171 Lbs

AS 300S **PL, GR, PG**

WITH LONG SLOTS

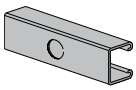


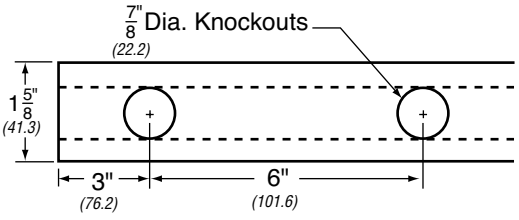


Wt/100 Ft: 161 Lbs

AS 300KO **PL, GR, PG**

WITH KNOCK OUT





Wt/100 Ft: 176 Lbs

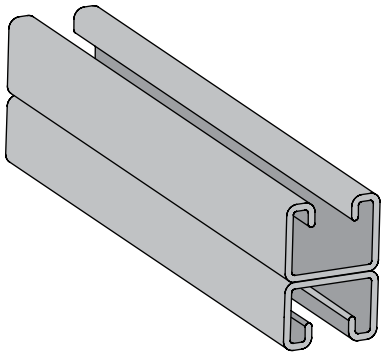
LEGEND:

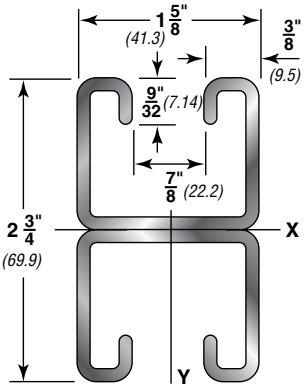
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 300 BTB

2¾" X 1⅝" *(69.9 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 352#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 300 BTB	3.52	*5.2*	1.001	*6.458*	0.607	*25.265*	0.441	*7.227*	0.779	*1.979*	0.413	*17.190*	0.508	*8.325*	0.642	*1.631*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	2,960 *	0.01	2,960 *	2,960 *	2,960 *	3.5	5,950	23,150	23,040	22,870	22,660
18	2,960 *	0.02	2,960 *	2,960 *	2,960 *	5.3	5,890	22,890	22,660	22,280	21,820
24	2,960 *	0.04	2,960 *	2,960 *	2,960 *	7.0	5,810	22,540	22,130	21,470	20,690
30	2,960 *	0.06	2,960 *	2,960 *	2,960 *	8.8	5,710	22,090	21,470	20,470	19,320
36	2,470	0.08	2,470	2,470	2,470	10.6	5,590	21,560	20,690	19,320	17,770
42	2,110	0.11	2,110	2,110	2,110	12.3	5,460	20,940	19,800	18,040	16,110
48	1,850	0.15	1,850	1,850	1,660	14.1	5,310	20,260	18,820	16,670	14,370
60	1,480	0.23	1,480	1,480	1,060	17.6	4,970	18,700	16,670	13,790	10,940
72	1,230	0.33	1,230	1,110	740	21.1	4,590	16,950	14,370	10,940	7,850
84	1,060	0.46	1,060	810	540	24.6	4,190	15,100	12,060	8,300	5,770
96	930	0.60	830	620	410	28.2	3,780	13,210	9,850	6,360	4,410
108	820	0.75	660	490	330	31.7	3,360	11,360	7,850	5,020	**
120	740	0.93	530	400	270	35.2	2,990	9,590	6,360	4,070	**
144	620	1.34	370	280	180	42.2	2,400	6,690	4,410	**	**
168	530	1.82	270	200	140	49.3	**	4,910	**	**	**
180	490	2.09	240	180	120	52.8	**	4,280	**	**	**
192	460	2.38	210	160	100	56.3	**	3,760	**	**	**
216	410	3.01	160	120	80	63.4	**	**	**	**	**
240	370	3.72	130	100	NR	70.4	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	13.2 *	0.3	13.2 *	13.2 *	13.2 *	1.6	26.5	103.0	102.5	101.7	100.8
457	13.2 *	0.5	13.2 *	13.2 *	13.2 *	2.4	26.2	101.8	100.8	99.1	97.1
610	13.2 *	1.0	13.2 *	13.2 *	13.2 *	3.2	25.8	100.3	98.4	95.5	92.0
762	13.2 *	1.5	13.2 *	13.2 *	13.2 *	4.0	25.4	98.3	95.5	91.1	85.9
914	11.0	2.0	11.0	11.0	11.0	4.8	24.9	95.9	92.0	85.9	79.0
1,067	9.4	2.8	9.4	9.4	9.4	5.6	24.3	93.1	88.1	80.2	71.7
1,219	8.2	3.8	8.2	8.2	7.4	6.4	23.6	90.1	83.7	74.2	63.9
1,524	6.6	5.8	6.6	6.6	4.7	8.0	22.1	83.2	74.2	61.3	48.7
1,829	5.5	8.4	5.5	4.9	3.3	9.6	20.4	75.4	63.9	48.7	34.9
2,134	4.7	11.7	4.7	3.6	2.4	11.2	18.6	67.2	53.6	36.9	25.7
2,438	4.1	15.2	3.7	2.8	1.8	12.8	16.8	58.8	43.8	28.3	19.6
2,743	3.6	19.1	2.9	2.2	1.5	14.4	14.9	50.5	34.9	22.3	**
3,048	3.3	23.6	2.4	1.8	1.2	16.0	13.3	42.7	28.3	18.1	**
3,658	2.8	34.0	1.6	1.2	0.8	19.1	10.7	29.8	19.6	**	**
4,267	2.4	46.2	1.2	0.9	0.6	22.4	**	21.8	**	**	**
4,572	2.2	53.1	1.1	0.8	0.5	23.9	**	19.0	**	**	**
4,877	2.0	60.5	0.9	0.7	0.4	25.5	**	16.7	**	**	**
5,486	1.8	76.5	0.7	0.5	0.4	28.8	**	**	**	**	**
6,096	1.6	94.5	0.6	0.4	NR	31.9	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

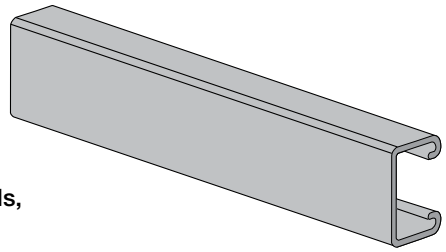
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

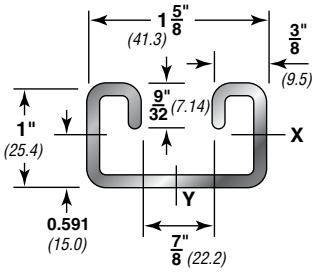
AS 400

1" X 1⅝" *(25.4 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 149#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.

See pages 38-39, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 400	1.49	*2.2*	0.423	*2.729*	0.055	*2.289*	0.095	*1.557*	0.361	*0.917*	0.162	*6.743*	0.199	*3.261*	0.619	*1.572*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	1,600	0.02	1,600	1,600	1,600	1.5	2,790	9,290	9,050	8,700	8,350
18	1,070	0.05	1,070	1,070	1,070	2.2	2,660	8,740	8,350	7,860	7,430
24	800	0.09	800	800	600	3.0	2,500	8,180	7,710	7,190	6,710
30	640	0.14	640	580	380	3.7	2,350	7,670	7,190	6,500	5,410
36	530	0.20	530	400	270	4.5	2,190	7,240	6,710	5,410	4,150
42	460	0.27	390	290	200	5.2	2,000	6,900	5,840	4,350	3,070
48	400	0.36	300	230	150	6.0	1,810	6,280	4,980	3,390	2,350
60	320	0.56	190	140	100	7.5	1,440	4,870	3,390	2,170	1,510
72	270	0.80	130	100	70	8.9	1,150	3,560	2,350	1,510	**
84	230	1.09	100	70	50	10.4	940	2,620	1,730	**	**
96	200	1.42	80	60	40	11.9	**	2,000	**	**	**
108	180	1.80	60	40	30	13.4	**	1,580	**	**	**
120	160	2.22	50	40	20	14.9	**	**	**	**	**
144	130	3.20	30	30	20	17.9	**	**	**	**	**
168	110	4.35	NR	NR	NR	20.9	**	**	**	**	**
180	110	5.00	NR	NR	NR	22.4	**	**	**	**	**
192	100	5.68	NR	NR	NR	23.8	**	**	**	**	**
216	90	7.19	NR	NR	NR	26.8	**	**	**	**	**
240	80	8.88	NR	NR	NR	29.8	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H (9/16 holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

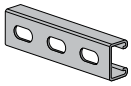
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

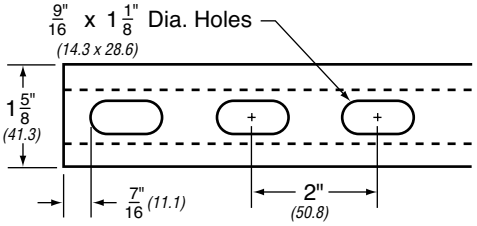
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	7.1	0.5	7.1	7.1	7.1	0.7	12.4	41.3	40.3	38.7	37.1
457	4.8	1.3	4.8	4.8	4.8	1.0	11.8	38.9	37.1	35.0	33.1
610	3.6	2.3	3.6	3.6	2.7	1.4	11.1	36.4	34.3	32.0	29.8
762	2.8	3.6	2.8	2.6	1.7	1.7	10.5	34.1	32.0	28.9	24.1
914	2.4	5.1	2.4	1.8	1.2	2.0	9.7	32.2	29.8	24.1	18.5
1,067	2.0	6.9	1.7	1.3	0.9	2.4	8.9	30.7	26.0	19.3	13.7
1,219	1.8	9.1	1.3	1.0	0.7	2.7	8.1	27.9	22.2	15.1	10.5
1,524	1.4	14.2	0.8	0.6	0.4	3.4	6.4	21.7	15.1	9.7	6.7
1,829	1.2	20.3	0.6	0.4	0.3	4.0	5.1	15.8	10.5	6.7	**
2,134	1.0	27.7	0.4	0.3	0.2	4.7	4.2	11.7	7.7	**	**
2,438	0.9	36.1	0.4	0.3	0.2	5.4	**	8.9	**	**	**
2,743	0.8	45.7	0.3	0.2	0.1	6.1	**	7.0	**	**	**
3,048	0.7	56.4	0.2	0.2	0.1	6.8	**	**	**	**	**
3,658	0.6	81.3	0.1	0.1	0.1	8.1	**	**	**	**	**
4,267	0.5	110.5	NR	NR	NR	9.5	**	**	**	**	**
4,572	0.5	127.0	NR	NR	NR	10.2	**	**	**	**	**
4,877	0.4	144.3	NR	NR	NR	10.8	**	**	**	**	**
5,486	0.4	182.6	NR	NR	NR	12.2	**	**	**	**	**
6,096	0.4	225.6	NR	NR	NR	13.5	**	**	**	**	**

AS 400EH PL, GR, PG

WITH ELONGATED HOLES

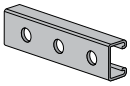


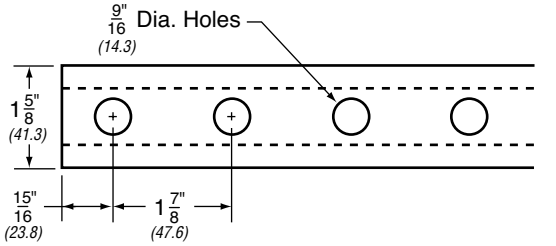


Wt/100 Ft: 144 Lbs

AS 400H PL, GR, PG

WITH HOLES

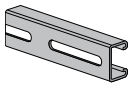


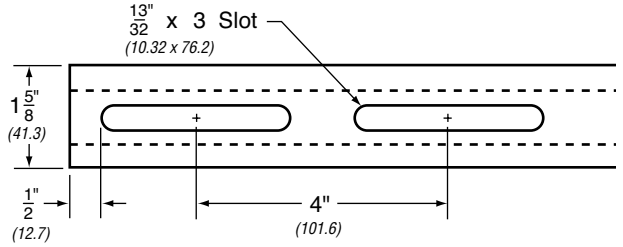


Wt/100 Ft: 144 Lbs

AS 400S PL, GR, PG

WITH LONG SLOTS

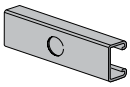


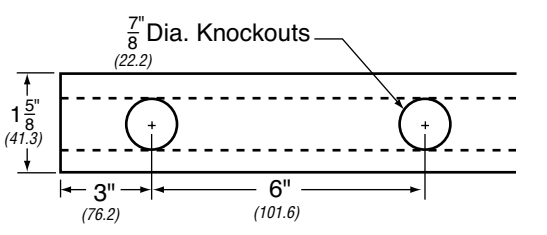


Wt/100 Ft: 134 Lbs

AS 400KO PL, GR, PG

WITH KNOCK OUT





Wt/100 Ft: 149 Lbs

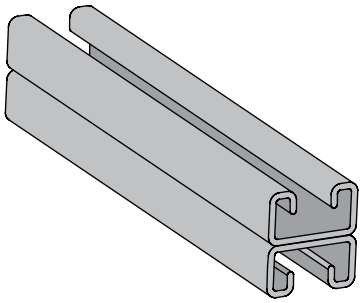
LEGEND:

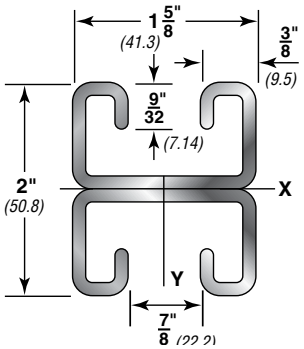
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 400 BTB

2" X 1⅝" *(50.8 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 298#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 400 BTB	2.98	*4.4*	0.846	*5.458*	0.261	*10.864*	0.261	*4.277*	0.555	*1.410*	0.323	*13.444*	0.397	*6.506*	0.618	*1.570*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	2,110 *	0.01	2,110 *	2,110 *	2,110 *	3.0	4,840	19,220	18,990	18,660	18,320
18	2,110 *	0.03	2,110 *	2,110 *	2,110 *	4.5	4,740	18,700	18,320	17,820	17,370
24	2,110 *	0.05	2,110 *	2,110 *	2,110 *	6.0	4,630	18,150	17,670	17,110	16,660
30	1,750	0.08	1,750	1,750	1,750	7.5	4,510	17,630	17,110	16,550	15,320
36	1,460	0.12	1,460	1,460	1,270	8.9	4,390	17,170	16,660	15,320	13,700
42	1,250	0.16	1,250	1,250	930	10.4	4,230	16,790	15,830	13,980	12,010
48	1,090	0.20	1,090	1,070	710	11.9	4,050	16,320	14,790	12,580	10,310
60	880	0.32	880	680	460	14.9	3,660	14,660	12,580	9,760	7,140
72	730	0.46	630	480	320	17.9	3,260	12,860	10,310	7,140	4,960
84	630	0.63	470	350	230	20.9	2,870	11,010	8,160	5,250	3,640
96	550	0.82	360	270	180	23.8	2,490	9,210	6,280	4,020	**
108	490	1.04	280	210	140	26.8	2,170	7,510	4,960	3,170	**
120	440	1.28	230	170	110	29.8	1,910	6,090	4,020	**	**
144	360	1.84	160	120	80	35.8	**	4,230	**	**	**
168	310	2.51	120	90	60	41.7	**	3,100	**	**	**
180	290	2.88	100	80	50	44.7	**	**	**	**	**
192	270	3.27	90	70	NR	47.7	**	**	**	**	**
216	240	4.14	70	NR	NR	53.6	**	**	**	**	**
240	220	5.12	60	NR	NR	59.6	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	9.4 *	0.3	9.4 *	9.4 *	9.4 *	1.4	21.5	85.5	84.5	83.0	81.5
457	9.4 *	0.8	9.4 *	9.4 *	9.4 *	2.0	21.1	83.2	81.5	79.3	77.3
610	9.4 *	1.3	9.4 *	9.4 *	9.4 *	2.7	20.6	80.7	78.6	76.1	74.1
762	7.8	2.0	7.8	7.8	7.8	3.4	20.1	78.4	76.1	73.6	68.1
914	6.5	3.0	6.5	6.5	5.6	4.0	19.5	76.4	74.1	68.1	60.9
1,067	5.6	4.1	5.6	5.6	4.1	4.7	18.8	74.7	70.4	62.2	53.4
1,219	4.8	5.1	4.8	4.8	3.2	5.4	18.0	72.6	65.8	56.0	45.9
1,524	3.9	8.1	3.9	3.0	2.0	6.8	16.3	65.2	56.0	43.4	31.8
1,829	3.2	11.7	2.8	2.1	1.4	8.1	14.5	57.2	45.9	31.8	22.1
2,134	2.8	16.0	2.1	1.6	1.0	9.5	12.8	49.0	36.3	23.4	16.2
2,438	2.4	20.8	1.6	1.2	0.8	10.8	11.1	41.0	27.9	17.9	**
2,743	2.2	26.4	1.2	0.9	0.6	12.2	9.7	33.4	22.1	14.1	**
3,048	2.0	32.5	1.0	0.8	0.5	13.5	8.5	27.1	17.9	**	**
3,658	1.6	46.7	0.7	0.5	0.4	16.2	**	18.8	**	**	**
4,267	1.4	63.8	0.5	0.4	0.3	18.9	**	13.8	**	**	**
4,572	1.3	73.2	0.4	0.4	0.2	20.3	**	**	**	**	**
4,877	1.2	83.1	0.4	0.3	NR	21.6	**	**	**	**	**
5,486	1.1	105.2	0.3	NR	NR	24.3	**	**	**	**	**
6,096	1.0	130.0	0.3	NR	NR	27.0	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

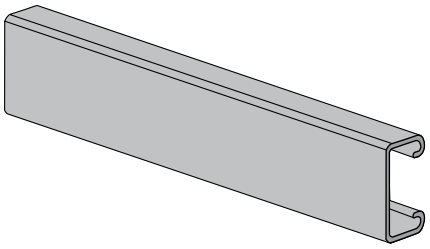
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

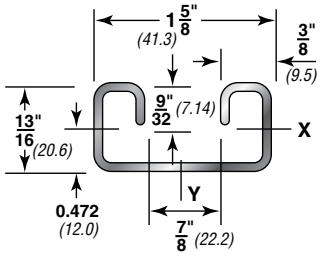
AS 500

$^{13}/_{16}$" X $1^{5}/_{8}$" *(20.6 x 41.3mm)*
14 Gauge Channel • wt./100 ft. - 103#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.

See pages 42-43, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm
AS 500	1.03	*1.5*	0.294	*1.897*	0.027	*1.124*	0.058	*0.950*	0.303	*0.770*	0.11	*4.579*	0.135	*2.212*	0.612	*1.554*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	970	0.03	970	970	970	1.0	2,010	6,500	6,340	6,090	5,820
18	640	0.06	640	640	520	1.5	1,890	6,120	5,820	5,410	5,010
24	480	0.11	480	440	300	2.1	1,740	5,690	5,270	4,700	3,980
30	390	0.17	380	280	190	2.6	1,590	5,240	4,700	3,800	2,930
36	320	0.25	260	200	130	3.1	1,420	4,790	3,980	2,930	2,050
42	280	0.33	190	140	100	3.6	1,250	4,200	3,270	2,170	1,510
48	240	0.44	150	110	70	4.1	1,090	3,620	2,600	1,660	1,150
60	190	0.68	90	70	50	5.2	830	2,520	1,660	1,060	**
72	160	0.98	70	50	30	6.2	650	1,750	1,150	**	**
84	140	1.34	50	40	20	7.2	**	1,280	**	**	**
96	120	1.75	40	30	20	8.2	**	**	**	**	**
108	110	2.21	30	20	10	9.3	**	**	**	**	**
120	100	2.73	20	20	NR	10.3	**	**	**	**	**
144	80	3.93	20	NR	NR	12.4	**	**	**	**	**
168	70	5.34	NR	NR	NR	14.4	**	**	**	**	**
180	60	6.13	NR	NR	NR	15.5	**	**	**	**	**
192	60	6.98	NR	NR	NR	16.5	**	**	**	**	**
216	50	8.83	NR	NR	NR	18.5	**	**	**	**	**
240	50	10.91	NR	NR	NR	20.6	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H ($^{9}/_{16}$ holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

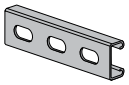
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

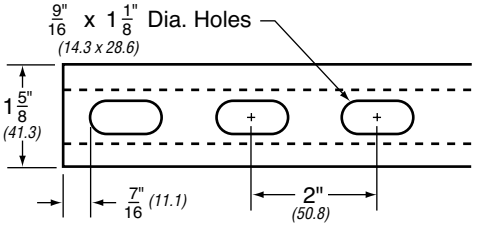
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	4.3	0.8	4.3	4.3	4.3	0.5	8.9	28.9	28.2	27.1	25.9
457	2.8	1.5	2.8	2.8	2.3	0.7	8.4	27.2	25.9	24.1	22.3
610	2.1	2.8	2.1	2.0	1.3	1.0	7.7	25.3	23.4	20.9	17.7
762	1.7	4.3	1.7	1.2	0.8	1.2	7.1	23.3	20.9	16.9	13.0
914	1.4	6.4	1.2	0.9	0.6	1.4	6.3	21.3	17.7	13.0	9.1
1,067	1.2	8.4	0.8	0.6	0.4	1.6	5.6	18.7	14.5	9.7	6.7
1,219	1.1	11.2	0.7	0.5	0.3	1.9	4.8	16.1	11.6	7.4	5.1
1,524	0.8	17.3	0.4	0.3	0.2	2.4	3.7	11.2	7.4	4.7	**
1,829	0.7	24.9	0.3	0.2	0.1	2.8	2.9	7.8	5.1	**	**
2,134	0.6	34.0	0.2	0.2	0.1	3.3	**	5.7	**	**	**
2,438	0.5	44.5	0.2	0.1	0.1	3.7	**	**	**	**	**
2,743	0.5	56.1	0.1	0.1	0.0	4.2	**	**	**	**	**
3,048	0.4	69.3	0.1	0.1	NR	4.7	**	**	**	**	**
3,658	0.4	99.8	0.1	NR	NR	5.6	**	**	**	**	**
4,267	0.3	135.6	NR	NR	NR	6.5	**	**	**	**	**
4,572	0.3	155.7	NR	NR	NR	7.0	**	**	**	**	**
4,877	0.3	177.3	NR	NR	NR	7.5	**	**	**	**	**
5,486	0.2	224.3	NR	NR	NR	8.4	**	**	**	**	**
6,096	0.2	277.1	NR	NR	NR	9.3	**	**	**	**	**

AS 500EH **PL, GR, PG, SS, ZTC, HG**

WITH ELONGATED HOLES

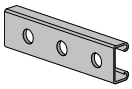


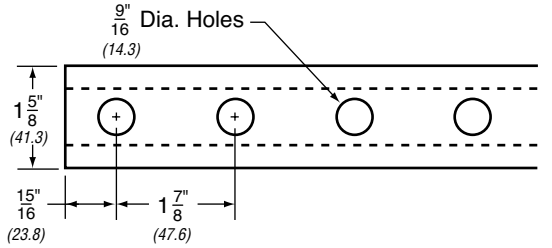


Wt/100 Ft: 98 Lbs

AS 500H **PL, GR, PG**

WITH HOLES

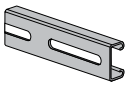


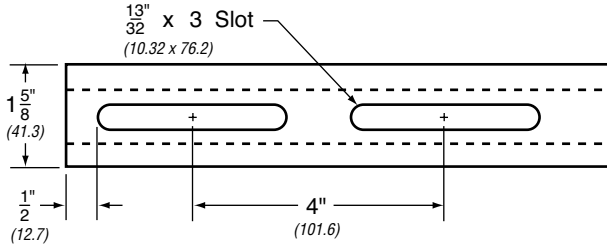


Wt/100 Ft: 98 Lbs

AS 500S **PL, GR, PG**

WITH LONG SLOTS





Wt/100 Ft: 94 Lbs

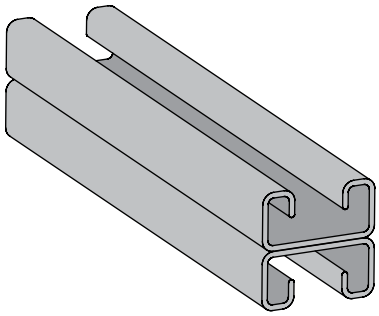
LEGEND:

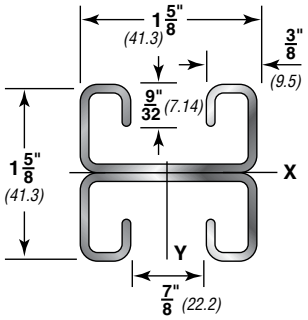
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 500 BTB

1⅝" X 1⅝" *(41.3 x 41.3mm)*
14 Gauge Back-to-Back • wt./100 ft. - 206#

Stocked in pre-galvanized, plain, powder coated Supr-Green, zinc trivalent chromium, and hot dipped galvanized, in 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316 Alloys. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 500 BTB	2.06	*3.1*	0.589	*3.800*	0.123	*5.120*	0.151	*2.474*	0.457	*1.161*	0.22	*9.157*	0.271	*4.441*	0.611	*1.552*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	1,090 *	0.02	1,090 *	1,090 *	1,090 *	2.1	3,420	13,500	13,380	13,180	12,940
18	1,090 *	0.04	1,090 *	1,090 *	1,090 *	3.1	3,340	13,210	12,940	12,510	12,010
24	1,090 *	0.06	1,090 *	1,090 *	1,090 *	4.1	3,230	12,810	12,350	11,630	10,810
30	1,010	0.10	1,010	1,010	860	5.2	3,100	12,310	11,630	10,590	9,450
36	850	0.14	850	850	600	6.2	2,950	11,730	10,810	9,450	8,010
42	720	0.19	720	660	440	7.2	2,790	11,080	9,920	8,250	6,590
48	630	0.25	630	500	340	8.2	2,620	10,370	8,970	7,060	5,260
60	510	0.39	430	320	220	10.3	2,280	8,850	7,060	4,850	3,370
72	420	0.57	300	220	150	12.4	1,940	7,300	5,260	3,370	2,340
84	360	0.77	220	160	110	14.4	1,630	5,800	3,860	2,470	**
96	320	1.01	170	130	80	16.5	1,390	4,480	2,960	**	**
108	280	1.27	130	100	70	18.5	1,190	3,540	2,340	**	**
120	250	1.57	110	80	50	20.6	**	2,870	**	**	**
144	210	2.27	70	60	40	24.7	**	**	**	**	**
168	180	3.08	50	40	30	28.8	**	**	**	**	**
180	170	3.54	50	40	NR	30.9	**	**	**	**	**
192	160	4.03	40	NR	NR	33.0	**	**	**	**	**
216	140	5.10	NR	NR	NR	37.1	**	**	**	**	**
240	130	6.29	NR	NR	NR	41.2	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	4.8 *	0.5	4.8 *	4.8 *	4.8 *	1.0	15.2	60.1	59.5	58.6	57.6
457	4.8 *	1.0	4.8 *	4.8 *	4.8 *	1.4	14.9	58.8	57.6	55.6	53.4
610	4.8 *	1.5	4.8 *	4.8 *	4.8 *	1.9	14.4	57.0	54.9	51.7	48.1
762	4.5	2.5	4.5	4.5	3.8	2.4	13.8	54.8	51.7	47.1	42.0
914	3.8	3.6	3.8	3.8	2.7	2.8	13.1	52.2	48.1	42.0	35.6
1,067	3.2	4.8	3.2	2.9	2.0	3.3	12.4	49.3	44.1	36.7	29.3
1,219	2.8	6.4	2.8	2.2	1.5	3.7	11.7	46.1	39.9	31.4	23.4
1,524	2.3	9.9	1.9	1.4	1.0	4.7	10.1	39.4	31.4	21.6	15.0
1,829	1.9	14.5	1.3	1.0	0.7	5.6	8.6	32.5	23.4	15.0	10.4
2,134	1.6	19.6	1.0	0.7	0.5	6.5	7.3	25.8	17.2	11.0	**
2,438	1.4	25.7	0.8	0.6	0.4	7.5	6.2	19.9	13.2	**	**
2,743	1.2	32.3	0.6	0.4	0.3	8.4	5.3	15.7	10.4	**	**
3,048	1.1	39.9	0.5	0.4	0.2	9.3	**	12.8	**	**	**
3,658	0.9	57.7	0.3	0.3	0.2	11.2	**	**	**	**	**
4,267	0.8	78.2	0.2	0.2	0.1	13.1	**	**	**	**	**
4,572	0.8	89.9	0.2	0.2	NR	14.0	**	**	**	**	**
4,877	0.7	102.4	0.2	NR	NR	15.0	**	**	**	**	**
5,486	0.6	129.5	NR	NR	NR	16.8	**	**	**	**	**
6,096	0.6	159.8	NR	NR	NR	18.7	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

LEGEND:

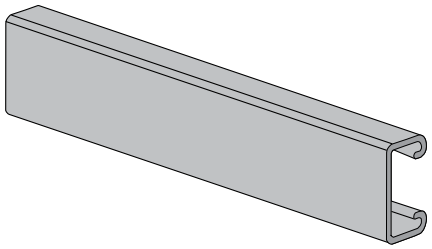
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

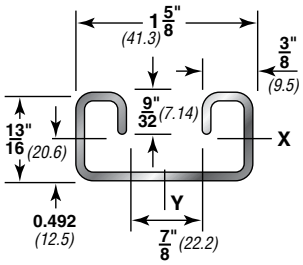
AS 520

$^{13}/_{16}$" X $1^{5}/_{8}$" *(20.6 x 41.3mm)*
12 Gauge Channel • wt./100 ft. - 135#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.

See pages 46-47, 51 for welded combinations.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm
AS 520	1.37	*2.0*	0.384	*2.477*	0.032	*1.332*	0.067	*1.098*	0.289	*0.734*	0.139	*5.786*	0.171	*2.802*	0.602	*1.529*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	1,130	0.03	1,130	1,130	1,130	1.4	2,410	8,480	8,280	7,990	7,710
18	750	0.06	750	750	620	2.1	2,270	8,030	7,710	7,090	6,390
24	560	0.11	560	520	350	2.7	2,090	7,510	6,860	5,900	4,910
30	450	0.17	450	340	220	3.4	1,880	6,800	5,900	4,670	3,500
36	380	0.24	310	230	160	4.1	1,680	6,030	4,910	3,500	2,430
42	320	0.33	230	170	110	4.8	1,470	5,220	3,950	2,570	1,790
48	280	0.43	170	130	90	5.5	1,280	4,430	3,080	1,970	1,370
60	230	0.67	110	80	60	6.9	970	2,980	1,970	**	**
72	190	0.97	80	60	40	8.2	760	2,070	1,370	**	**
84	160	1.32	60	40	30	9.6	**	1,520	**	**	**
96	140	1.72	40	30	20	11.0	**	**	**	**	**
108	130	2.18	30	30	20	12.4	**	**	**	**	**
120	110	2.69	30	20	NR	13.7	**	**	**	**	**
144	90	3.88	20	NR	NR	16.5	**	**	**	**	**
168	80	5.28	NR	NR	NR	19.2	**	**	**	**	**
180	80	6.06	NR	NR	NR	20.6	**	**	**	**	**
192	70	6.89	NR	NR	NR	22.0	**	**	**	**	**
216	60	8.72	NR	NR	NR	24.7	**	**	**	**	**
240	60	10.77	NR	NR	NR	27.5	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%, S by 90%,
   H ($^{9}/_{16}$ holes) by 88%, KO by 82% .
4. Refer to page 52 for reduction factors for unbraced lengths

LEGEND:

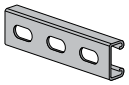
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

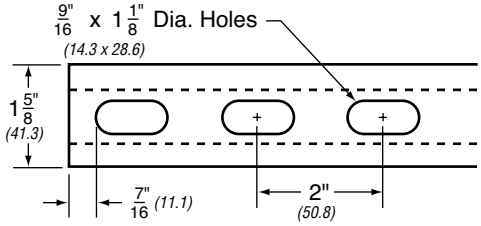
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	5.0	0.8	5.0	5.0	5.0	0.6	10.7	37.7	36.8	35.5	34.3
457	3.3	1.5	3.3	3.3	2.8	1.0	10.1	35.7	34.3	31.5	28.4
610	2.5	2.8	2.5	2.3	1.6	1.2	9.3	33.4	30.5	26.2	21.8
762	2.0	4.3	2.0	1.5	1.0	1.5	8.4	30.2	26.2	20.8	15.6
914	1.7	6.1	1.4	1.0	0.7	1.9	7.5	26.8	21.8	15.6	10.8
1,067	1.4	8.4	1.0	0.8	0.5	2.2	6.5	23.2	17.6	11.4	8.0
1,219	1.2	10.9	0.8	0.6	0.4	2.5	5.7	19.7	13.7	8.8	6.1
1,524	1.0	17.0	0.5	0.4	0.3	3.1	4.3	13.3	8.8	**	**
1,829	0.8	24.6	0.4	0.3	0.2	3.7	3.4	9.2	6.1	**	**
2,134	0.7	33.5	0.3	0.2	0.1	4.4	**	6.8	**	**	**
2,438	0.6	43.7	0.2	0.1	0.1	5.0	**	**	**	**	**
2,743	0.6	55.4	0.1	0.1	0.1	5.6	**	**	**	**	**
3,048	0.5	68.3	0.1	0.1	NR	6.2	**	**	**	**	**
3,658	0.4	98.6	0.1	NR	NR	7.5	**	**	**	**	**
4,267	0.4	134.1	NR	NR	NR	8.7	**	**	**	**	**
4,572	0.4	153.9	NR	NR	NR	9.3	**	**	**	**	**
4,877	0.3	175.0	NR	NR	NR	10.0	**	**	**	**	**
5,486	0.3	221.5	NR	NR	NR	11.2	**	**	**	**	**
6,096	0.3	273.6	NR	NR	NR	12.5	**	**	**	**	**

AS 520EH PL, GR, PG

WITH ELONGATED HOLES

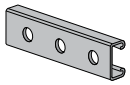


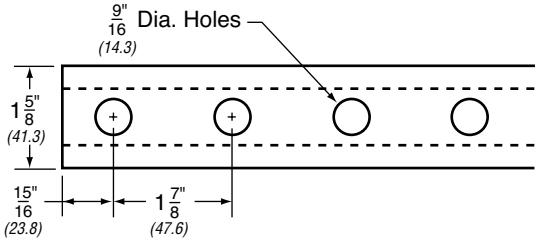


Wt/100 Ft: 130 Lbs

AS 520H PL, GR, PG

WITH HOLES

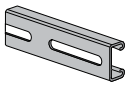


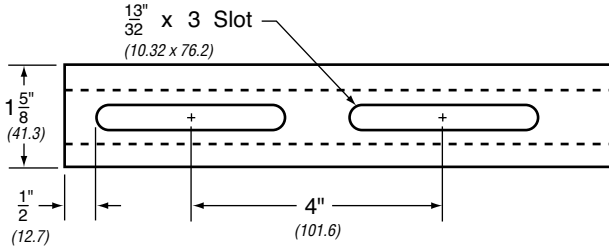


Wt/100 Ft: 130 Lbs

AS 520S PL, GR, PG

WITH LONG SLOTS





Wt/100 Ft: 120 Lbs

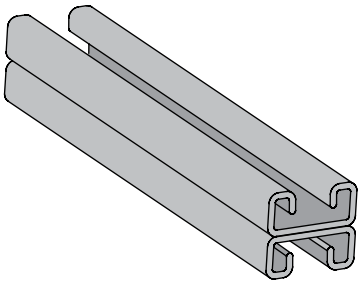
LEGEND:

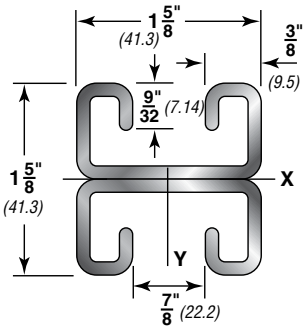
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 520 BTB

1⅝" X 1⅝" *(41.3 x 41.3mm)*
12 Gauge Back-to-Back • wt./100 ft. - 270#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm	I in⁴	I cm⁴	S in³	S cm³	r in.	r cm
AS 520 BTB	2.7	*4.0*	0.769	*4.961*	0.152	*6.327*	0.187	*3.064*	0.445	*1.130*	0.278	*11.571*	0.342	*5.604*	0.601	*1.527*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	1,710 *	0.02	1,710 *	1,710 *	1,710 *	2.7	4,270	17,380	17,150	16,840	16,550
18	1,710 *	0.04	1,710 *	1,710 *	1,710 *	4.1	4,170	16,880	16,550	16,170	15,560
24	1,570	0.06	1,570	1,570	1,570	5.4	4,040	16,420	16,030	15,050	13,930
30	1,250	0.10	1,250	1,250	1,060	6.8	3,880	15,980	15,050	13,630	12,080
36	1,040	0.14	1,040	1,040	740	8.1	3,690	15,180	13,930	12,080	10,150
42	900	0.19	900	810	540	9.5	3,480	14,290	12,710	10,470	8,260
48	780	0.25	780	620	420	10.8	3,270	13,330	11,440	8,880	6,500
60	630	0.39	530	400	270	13.5	2,830	11,280	8,880	5,990	4,160
72	520	0.57	370	280	180	16.2	2,390	9,190	6,500	4,160	2,890
84	450	0.77	270	200	140	18.9	2,020	7,220	4,770	3,060	**
96	390	1.01	210	160	100	21.6	1,720	5,540	3,660	**	**
108	350	1.27	160	120	80	24.3	1,480	4,380	2,890	**	**
120	310	1.57	130	100	70	27.0	**	3,540	**	**	**
144	260	2.27	90	70	50	32.4	**	**	**	**	**
168	220	3.08	70	50	NR	37.8	**	**	**	**	**
180	210	3.54	60	NR	NR	40.5	**	**	**	**	**
192	200	4.03	50	NR	NR	43.2	**	**	**	**	**
216	170	5.10	NR	NR	NR	48.6	**	**	**	**	**
240	160	6.29	NR	NR	NR	54.0	**	**	**	**	**

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	7.6	0.5	7.6	7.6	7.6	1.2	19.0	77.3	76.3	74.9	73.6
457	7.6	1.0	7.6	7.6	7.6	1.9	18.5	75.1	73.6	71.9	69.2
610	7.0	1.5	7.0	7.0	7.0	2.4	18.0	73.0	71.3	66.9	62.0
762	5.6	2.5	5.6	5.6	4.7	3.1	17.3	71.1	66.9	60.6	53.7
914	4.6	3.6	4.6	4.6	3.3	3.7	16.4	67.5	62.0	53.7	45.1
1,067	4.0	4.8	4.0	3.6	2.4	4.3	15.5	63.6	56.5	46.6	36.7
1,219	3.5	6.4	3.5	2.8	1.9	4.9	14.5	59.3	50.9	39.5	28.9
1,524	2.8	9.9	2.4	1.8	1.2	6.1	12.6	50.2	39.5	26.6	18.5
1,829	2.3	14.5	1.6	1.2	0.8	7.3	10.6	40.9	28.9	18.5	12.9
2,134	2.0	19.6	1.2	0.9	0.6	8.6	9.0	32.1	21.2	13.6	**
2,438	1.7	25.7	0.9	0.7	0.4	9.8	7.7	24.6	16.3	**	**
2,743	1.6	32.3	0.7	0.5	0.4	11.0	6.6	19.5	12.9	**	**
3,048	1.4	39.9	0.6	0.4	0.3	12.2	**	15.7	**	**	**
3,658	1.2	57.7	0.4	0.3	0.2	14.7	**	**	**	**	**
4,267	1.0	78.2	0.3	0.2	NR	17.1	**	**	**	**	**
4,572	0.9	89.9	0.3	NR	NR	18.4	**	**	**	**	**
4,877	0.9	102.4	0.2	NR	NR	19.6	**	**	**	**	**
5,486	0.8	129.5	NR	NR	NR	22.0	**	**	**	**	**
6,096	0.7	159.8	NR	NR	NR	24.5	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.

2. Refer to page 52 for reduction factors for unbraced lengths

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

EH by 88%, S by 90%,
H (9/16 holes) by 88%, KO by 82% .

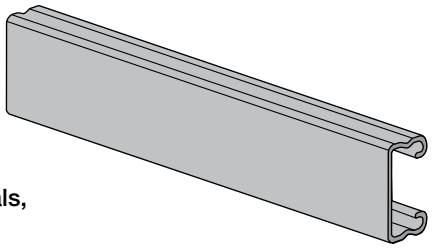
LEGEND:

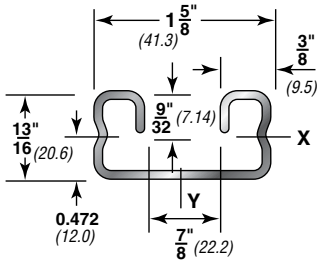
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 560

$^{13}/_{16}$" X $1^{5}/_{8}$" *(20.6 x 41.3mm)*
16 Gauge Channel • wt./100 ft. - 86#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Other materials, finishes & lengths are available upon request.





PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm	I in^4	I cm^4	S in^3	S cm^3	r in.	r cm
AS 560	0.86	*1.3*	0.236	*1.523*	0.022	*0.916*	0.047	*0.770*	0.305	*0.775*	0.089	*3.704*	0.109	*1.786*	0.614	*1.560*

I = Moment of Inertia S = Section Modulus r = Radius of Gyration

BEAM & COLUMN LOADS

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
In	Lbs	In	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
12	790	0.03	790	790	790	0.9	1,650	5,220	5,070	4,840	4,580
18	530	0.06	530	530	430	1.3	1,540	4,870	4,580	4,130	3,630
24	400	0.11	400	360	240	1.7	1,400	4,430	3,970	3,300	2,630
30	320	0.17	310	230	150	2.2	1,250	3,920	3,300	2,470	1,750
36	260	0.25	210	160	110	2.6	1,090	3,380	2,630	1,750	1,220
42	230	0.34	160	120	80	3.0	940	2,840	2,010	1,290	890
48	200	0.44	120	90	60	3.4	800	2,310	1,540	990	680
60	160	0.69	80	60	40	4.3	600	1,490	990	630	**
72	130	0.99	50	40	30	5.2	460	1,040	680	**	**
84	110	1.35	40	30	20	6.0	**	760	**	**	**
96	100	1.76	30	20	20	6.9	**	**	**	**	**
108	90	2.23	20	20	10	7.7	**	**	**	**	**
120	80	2.75	20	10	10	8.6	**	**	**	**	**
144	70	3.96	NR	NR	NR	10.3	**	**	**	**	**
168	60	5.39	NR	NR	NR	12.0	**	**	**	**	**
180	50	6.19	NR	NR	NR	12.9	**	**	**	**	**
192	50	7.04	NR	NR	NR	13.8	**	**	**	**	**
216	40	8.91	NR	NR	NR	15.5	**	**	**	**	**
240	40	11.00	NR	NR	NR	17.2	**	**	**	**	**

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:
   EH by 88%
4. Refer to page 52 for reduction factors for unbraced lengths

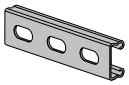
LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

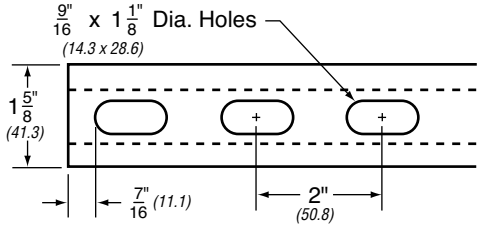
BEAM & COLUMN LOADS - METRIC

Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight of Channel		k=.65	k=.80	k=1.0	k=1.2
mm	*Kn*	*mm*	*Kn*	*Kn*	*Kn*	*Kg*	*Kn*	*Kn*	*Kn*	*Kn*	*Kn*
305	3.5	0.8	3.5	3.5	3.5	0.4	7.3	23.2	22.6	21.5	20.4
457	2.4	1.5	2.4	2.4	1.9	0.6	6.9	21.7	20.4	18.4	16.1
610	1.8	2.8	1.8	1.6	1.1	0.8	6.2	19.7	17.7	14.7	11.7
762	1.4	4.3	1.4	1.0	0.7	1.0	5.6	17.4	14.7	11.0	7.8
914	1.2	6.4	0.9	0.7	0.5	1.2	4.8	15.0	11.7	7.8	5.4
1,067	1.0	8.6	0.7	0.5	0.4	1.4	4.2	12.6	8.9	5.7	4.0
1,219	0.9	11.2	0.5	0.4	0.3	1.5	3.6	10.3	6.9	4.4	3.0
1,524	0.7	17.5	0.4	0.3	0.2	2.0	2.7	6.6	4.4	2.8	**
1,829	0.6	25.1	0.2	0.2	0.1	2.4	2.0	4.6	3.0	**	**
2,134	0.5	34.3	0.2	0.1	0.1	2.7	**	3.4	**	**	**
2,438	0.4	44.7	0.1	0.1	0.1	3.1	**	**	**	**	**
2,743	0.4	56.6	0.1	0.1	0.0	3.5	**	**	**	**	**
3,048	0.4	69.9	0.1	0.0	0.0	3.9	**	**	**	**	**
3,658	0.3	100.6	NR	NR	NR	4.7	**	**	**	**	**
4,267	0.3	136.9	NR	NR	NR	5.4	**	**	**	**	**
4,572	0.2	157.2	NR	NR	NR	5.9	**	**	**	**	**
4,877	0.2	178.8	NR	NR	NR	6.3	**	**	**	**	**
5,486	0.2	226.3	NR	NR	NR	7.0	**	**	**	**	**
6,096	0.2	279.4	NR	NR	NR	7.8	**	**	**	**	**

AS 560EH **PL, GR, PG**



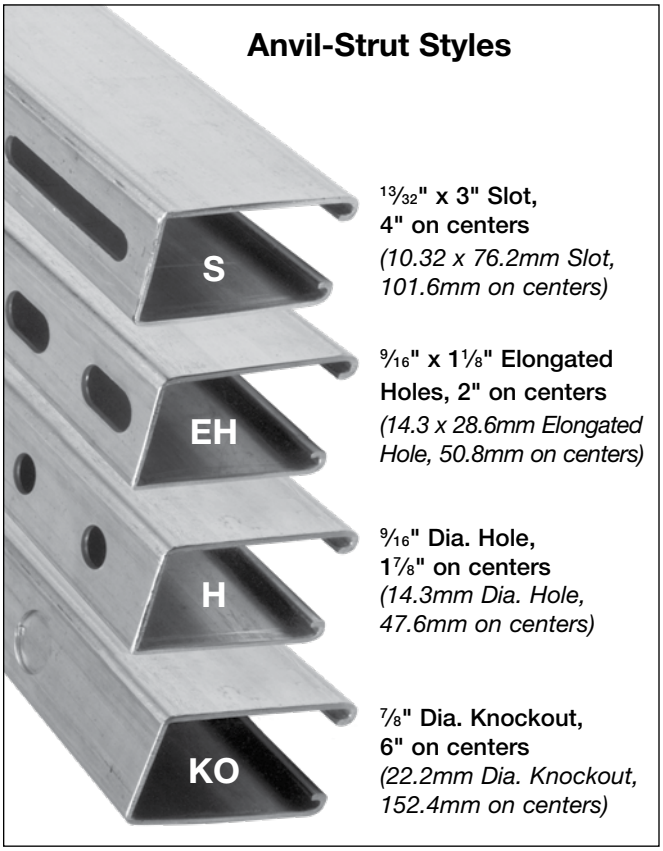
WITH ELONGATED HOLES



Wt/100 Ft: 80 Lbs

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

ANVIL-STRUT CHANNEL FABRICATION DATA



"S" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100S	12	3¼" X 1⅝"	298
AS 150S	12	2 7/16" X 1⅝"	239
AS 200S	12	1⅝" X 1⅝"	179
AS 210S	14	1⅝" X 1⅝"	130
AS 300S	12	1⅜" X 1⅝"	161
AS 400S	12	1" X 1⅝"	134
AS 500S	14	13/16" X 1⅝"	94
AS 520S	12	13/16" X 1⅝"	125

"H" CHANNEL (9/16 HOLES)

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100H	12	3¼" X 1⅝"	308
AS 150H	12	2 7/16" X 1⅝"	249
AS 200H	12	1⅝" X 1⅝"	189
AS 210H	14	1⅝" X 1⅝"	140
AS 300H	12	1⅜" X 1⅝"	171
AS 400H	12	1" X 1⅝"	144
AS 500H	14	13/16" X 1⅝"	98
AS 520H	12	13/16" X 1⅝"	130

"EH" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100EH	12	3¼" X 1⅝"	308
AS 150EH	12	2 7/16" X 1⅝"	254
AS 200EH	12	1⅝" X 1⅝"	189
AS 210EH	14	1⅝" X 1⅝"	140
AS 300EH	12	1⅜" X 1⅝"	171
AS 400EH	12	1" X 1⅝"	144
AS 500EH	14	13/16" X 1⅝"	98
AS 520EH	12	13/16" X 1⅝"	130
AS 560EH	16	13/16" X 1⅝"	98

"KO" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100KO	12	3¼" X 1⅝"	313
AS 150KO	12	2 7/16" X 1⅝"	254
AS 200KO	12	1⅝" X 1⅝"	194
AS 210KO	14	1⅝" X 1⅝"	145
AS 300KO	12	1⅜" X 1⅝"	176
AS 400KO	12	1" X 1⅝"	149

LEGEND:

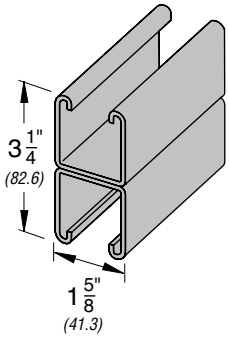
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

WELDED COMBINATIONS

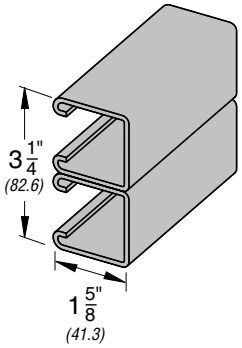
All welded combinations illustrated below are available in any of our Anvil-Strut channels (1⅝" x 1⅝" shown), in any of the following material or finishes: Plain, Pre-Galvanized, powder coated Supr-Green or Stainless Steel.

NOTE: SLOTTED CHANNELS AVAILABLE IN ALL WELDED COMBINATIONS.

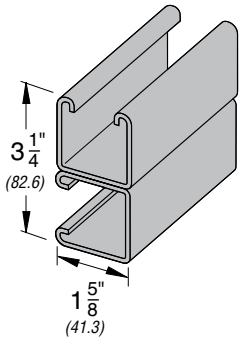
Suffix BTB



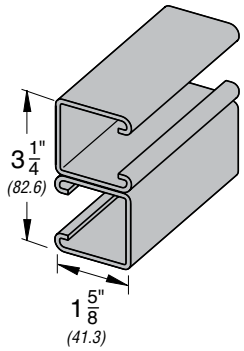
Suffix STS



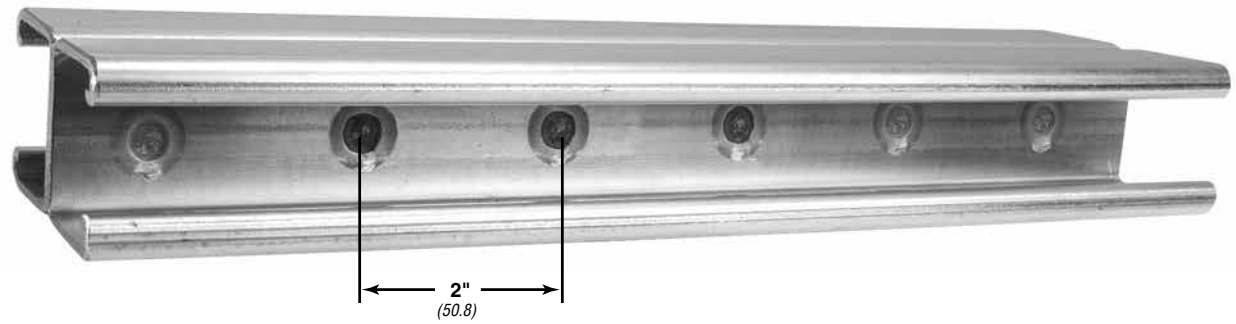
Suffix BTS



Suffix STSR

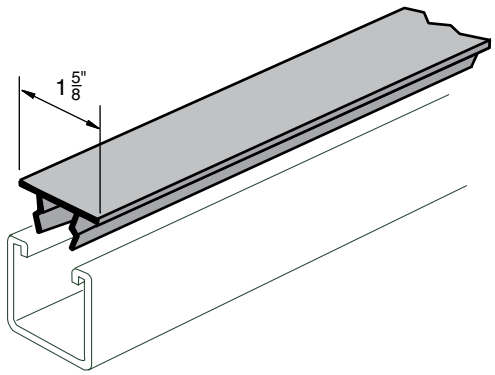


Our welded channels are spot welded 2" *(50.8mm)* on center, dimensions shown are for welded variations of any channel with or without slotted holes.



AS 707 GR, PG

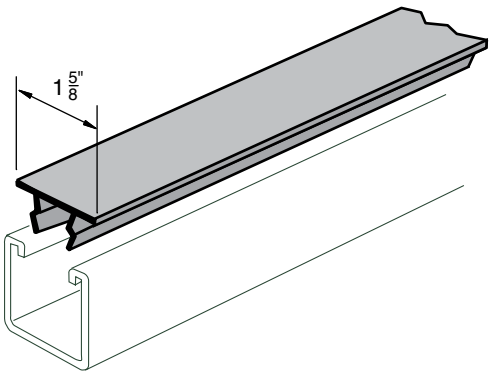
METAL RACEWAY CLOSURE STRIP



Wt/100 Ft: 47 Lbs

AS 707P GR, Grey, White

METAL PAINTED CLOSURE STRIP



Wt/100 Ft: 10 Lbs

LEGEND:

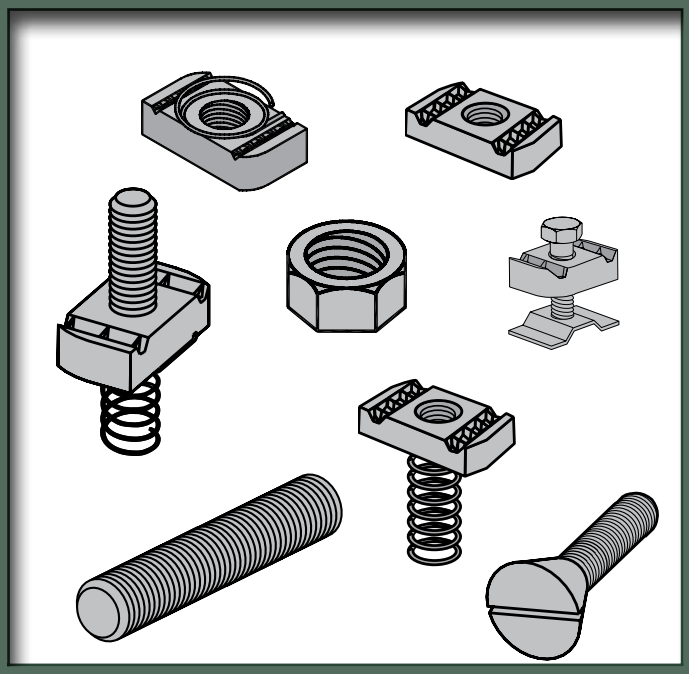
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

LATERAL BRACING LOAD REDUCTION CHARTS

Span		Single Channel								
In	*mm*	AS 100	AS 150	AS 200	AS 210	AS 300	AS 400	AS 500	AS 520	AS 560
12	*305*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	*457*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24	*610*	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	*762*	0.92	0.94	0.97	0.94	0.98	1.00	1.00	0.99	0.98
36	*914*	0.85	0.88	0.93	0.89	0.96	0.98	0.97	0.97	0.95
42	*1,067*	0.78	0.82	0.90	0.83	0.93	0.97	0.95	0.95	0.92
48	*1,219*	0.70	0.77	0.87	0.77	0.91	0.96	0.93	0.94	0.89
60	*1,524*	0.55	0.67	0.82	0.67	0.87	0.93	0.90	0.92	0.84
72	*1,829*	0.44	0.58	0.77	0.58	0.84	0.92	0.87	0.91	0.79
84	*2,134*	0.37	0.50	0.74	0.51	0.81	0.90	0.85	0.89	0.76
96	*2,438*	0.33	0.45	0.70	0.46	0.78	0.88	0.83	0.87	0.73
108	*2,743*	0.30	0.42	0.67	0.42	0.76	0.87	0.80	0.86	0.70
120	*3,048*	0.27	0.39	0.64	0.39	0.73	0.85	0.78	0.85	0.67
144	*3,658*	0.24	0.35	0.59	0.35	0.69	0.82	0.74	0.82	0.61
168	*4,267*	0.22	0.32	0.54	0.32	0.65	0.79	0.70	0.79	0.56
180	*4,572*	0.21	0.31	0.52	0.30	0.62	0.77	0.68	0.77	0.54
192	*4,877*	0.20	0.30	0.50	0.29	0.60	0.76	0.66	0.76	0.52
216	*5,486*	0.19	0.28	0.46	0.27	0.56	0.72	0.62	0.73	0.48
240	*6,096*	0.18	0.26	0.43	0.26	0.52	0.69	0.58	0.70	0.44

Span		Back-to-Back Channel							
In	*mm*	AS 100 BTB	AS 150 BTB	AS 200 BTB	AS 210 BTB	AS 300 BTB	AS 400 BTB	AS 500 BTB	AS 520 BTB
12	*305*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	*457*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24	*610*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	*762*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	*914*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	*1,067*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	*1,219*	0.97	0.98	1.00	0.98	1.00	1.00	0.99	1.00
60	*1,524*	0.90	0.93	0.96	0.93	0.98	0.99	0.96	1.00
72	*1,829*	0.83	0.87	0.92	0.88	0.95	0.97	0.92	0.97
84	*2,134*	0.76	0.81	0.89	0.82	0.91	0.94	0.88	0.95
96	*2,438*	0.68	0.75	0.85	0.76	0.88	0.92	0.84	0.92
108	*2,743*	0.61	0.70	0.81	0.71	0.85	0.89	0.81	0.90
120	*3,048*	0.53	0.64	0.77	0.65	0.82	0.86	0.77	0.88
144	*3,658*	0.42	0.53	0.70	0.54	0.75	0.81	0.70	0.83
168	*4,267*	0.35	0.44	0.62	0.45	0.69	0.76	0.62	0.78
180	*4,572*	0.32	0.41	0.59	0.42	0.66	0.74	0.59	0.76
192	*4,877*	0.30	0.38	0.55	0.39	0.63	0.71	0.55	0.73
216	*5,486*	0.26	0.34	0.49	0.35	0.57	0.66	0.49	0.69
240	*6,096*	0.23	0.30	0.44	0.31	0.51	0.61	0.44	0.64

CHANNEL NUTS & HARDWARE



Specifications

GENERAL

Anvil-Strut Channel Nuts are designed with specially formed teeth in the parallel channel recesses to grip the returned lip of the channel. The shearing action of the teeth assures positive locking of the Anvil-Strut channels to the fittings.

MATERIAL

Anvil-Strut Channel Nuts are manufactured from mild steel bars, and are case hardened to a depth of 0.003" to 0.005" after machining, conforming to ASTM A-576 GR1015. Selected sizes are also available in Stainless Steel.

FINISH

All Anvil-Strut Channel Nuts and Hardware have an electro-galvanized finish (ASTM B-633), unless otherwise noted.

ORDERING

On the Anvil-Strut Channel Nuts, consult the selection table which shows the correct locking nut for each size channel.

On the Hardware please specify the diameter or size required, and length where applicable.

LOAD DATA

Resistance to Slip [4]	Pull Out Strength [3]
12 Gauge - 1,652 lbs.	12 Gauge - 1,935 lbs.
14 Gauge - 1,100 lbs.	14 Gauge - 1,140 lbs.

Channel Nuts - Notes

1 Test performed with ½" - 13 Bolt tightened to 50/Ft./Lbs. torque.

2 Tests performed in accordance with, “The Metal Framing Manufacturers Association" 1983 Specifications.

3 Safety Factor of 3.

4 Safety Factor of 2.

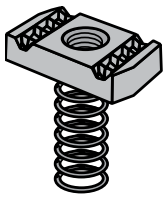
5 Loads based on actual independent lab testing.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS LS **EG**

CLAMPING NUT WITH LONG SPRING

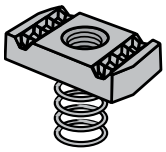


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
¼"	20	¼"	7	AS 100, AS 150
⅜"	16	⅜"	10	
½"	13	⅜"	10	
⅝"	11	7⁄16"	23	
¾"	10	7⁄16"	20	

Std Pkg: 50 · Wt/100 pcs: See chart above.

AS RS **EG, ZTC, (for SS see table)**

CLAMPING NUT WITH REGULAR SPRING

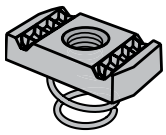


Size	Thd.	Thk.	Wt./100 Pcs.	Available in SS Finish	Use with Channel
¼"	20	¼"	7	SS	AS 200, AS 210, AS 300
5⁄16"	18	⅜"	7	–	
⅜"	16	⅜"	10	SS	
½"	13	½"	13	SS	
⅝"	11	7⁄16"	23	–	
¾"	10	7⁄16" - ½"	20	–	
⅞"	9	7⁄16" - ½"	17	–	

Std Pkg: 100 · Wt/100 pcs: See chart above.

AS SS **EG, ZTC**

CLAMPING NUT WITH SHORT SPRING

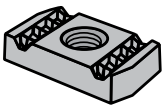


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
#8	32	–	7	AS 400, AS 500, AS 560
#10	24	–	7	
#10	32	–	7	
¼"	20	¼"	7	
5⁄16"	18	⅜"	7	
⅜"	16	⅜"	9	
½"	13	⅜"	9	
⅝"	11	⅜"	10	

Std Pkg: 100 · Wt/100 pcs: See chart above.

AS NS **EG, ZTC, (for SS see table)**

CLAMPING NUT WITHOUT SPRING

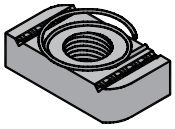


Size	Thd.	Thk.	Wt./100 Pcs.	Available in SS Finish	Use with Channel
#10	24	5⁄32" - ¼"	7	–	All Anvil-Strut
¼"	20	¼"	6	SS	
5⁄16"	18	⅜"	7	–	
⅜"	16	⅜"	9	SS	
½"	13	⅜"	9	–	
½"	13	½"	12	SS	AS 100, AS 150, AS 200, AS 210, AS 300
⅝"	11	7⁄16" - ½"	20	–	
¾"	10	7⁄16" - ½"	18	–	
⅞"	9	7⁄16" - ½"	16	–	
⅝"	11	⅜"	14	–	All Anvil-Strut
¾"	10	⅜"	14	–	

Std Pkg: 100 · Wt/100 pcs: See chart above.

AS TG **EG, ZTC**

TOP GRIP NUT WITH SPRING ON TOP

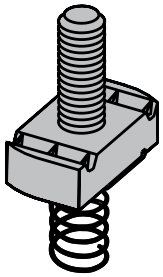


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
¼"	20	¼"	6	All Anvil-Strut
5⁄16"	18	⅜"	7	
⅜"	16	⅜"	9	
½"	13	⅜"	9	

Std Pkg: 50 · Wt/100 pcs: See chart above.

AS 517 **EG**

STUD NUT WITH RS SPRING



Size	Wt./100 Pcs.
¼" x 1"	8.1
¼" x 1¼"	8.3
¼" x 1½"	8.6
¼" x 2"	9.1
⅜" x 1"	13.0
⅜" x 1¼"	14.0

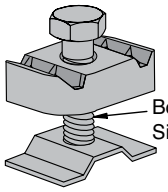
Size	Wt./100 Pcs.
⅜" x 1½"	14.0
⅜" x 2"	15.0
½" x 1"	15.0
½" x 1¼"	16.0
½" x 1½"	17.0
½" x 2"	19.0

Std Pkg: 100 · Wt/100 pcs: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3500 **EG, ZTC**

SEISMIC ROD STIFFENER



Size	Wt./100 Pcs.
3/8" - 5/8"	16

Std Pkg: 25 · Wt/100 pcs: See chart above.

AS 83 **EG**

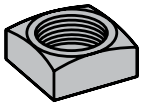
HEXAGON NUT

Size	Std. Pkg.	Wt./100 Pcs.
1/4"	500	0.6
3/8"	500	1.6
1/2"	100	4.8
5/8"	50	7.0
3/4"	50	12.0

Std Pkg & Wt/100 pcs: See chart above.

AS 6108 **EG**

SQUARE NUT

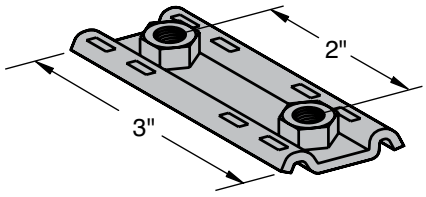


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	100	0.9
5/16"	100	1.6
3/8"	100	2.6
1/2"	100	5.8

Std Pkg & Wt/100 pcs: See chart above.

AS 3281 **EG**

DOUBLE CONVEYOR ADJUSTING NUT

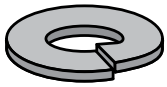


Use for all 1⅝" wide Anvil-Strut channels. Size ⅜", Threads 16

Wt/100 pcs: 175 Lbs

AS 211 **EG**

LOCK WASHER

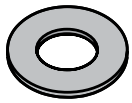


Size	Wt./100 Pcs.
1/4"	0.3
3/8"	0.7
1/2"	1.5

Std Pkg: 100 · Wt/100 pcs: See chart above.

AS 209 **EG**

FLAT WASHER

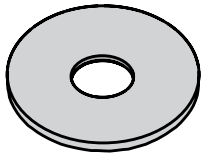


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	200	0.7
3/8"	100	1.5
1/2"	100	3.5
5/8"	100	8.0
3/4"	100	11.0

Std Pkg & Wt/100 pcs: See chart above.

AS 230 **EG**

FENDER WASHER



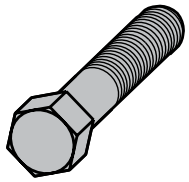
Size	Std. Pkg.	Wt./100 Pcs.
1/4"	100	3.3
3/8"	100	3.0
1/2"	100	2.8

Std Pkg & Wt/100 pcs: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 6024 **EG**

HEX HEAD CAP SCREW



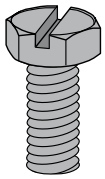
Diameter	Length	Wt./100 Pcs.
1/4"	3/4"	1.3
1/4"	1"	1.7
1/4"	1 1/4"	2.0
1/4"	1 1/2"	2.0
3/8"	3/4"	4.0
3/8"	1"	4.5
3/8"	1 1/4"	5.3
3/8"	1 1/2"	6.1
3/8"	2"	7.6
1/2"	3/4"	8.0
1/2"	1"	9.1
1/2"	1 1/4"	10.0
1/2"	1 1/2"	11.6
1/2"	1 3/4"	13.2
1/2"	2"	14.7

For use with Channel Nuts to secure fittings to channels.

Std Pkg 100 & Wt/100 pcs: See chart above.

AS 6075 **EG**

SLOTTED HEX HEAD MACHINE SCREW

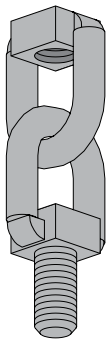


Size	Std Pkg	Wt/100 pcs
1/4" x 3/4"	100	1.7
5/16" x 1"	100	2.6
5/16" x 1 1/4"	100	3.0
5/16" x 1 1/2"	100	3.4
3/8" x 1 1/4"	100	5.3

Std Pkg & Wt/100 pcs: See chart above.

AS 203 **EG**

LINKED EYELET WITH STUD



Size	Std Pkg	Wt/100 pcs
3/8"	100	27.0
1/2"	50	45.0

Std Pkg & Wt/100 pcs: See chart above.

Fig. 146

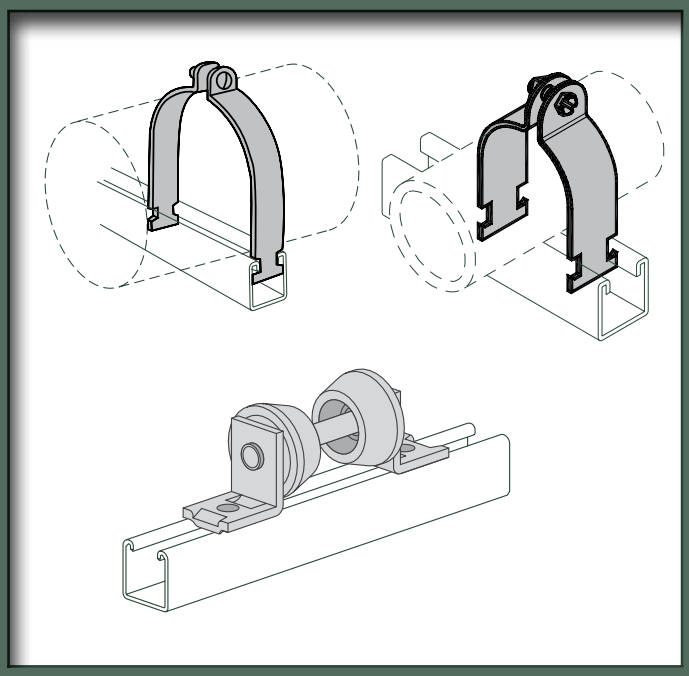
CONTINUOUS THREADED ROD

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 135

ROD COUPLING

For additional information, please refer to the Anvil Pipe Hanger Catalog.



SPECIFICATIONS

GENERAL

Anvil-Strut Pipe Clamps are all manufactured to fit into the standard openings of 1⅝" channel to support runs of piping where desired, to secure the pipe in place.

MATERIAL

Anvil-Strut pipe clamps are manufactured from the following materials:

Hot Rolled Steel Sheet	ASTM A-1011
Cold Rolled Steel Sheet	ASTM A-1008
Stainless Steel-Type 304/316	ASTM A-240
Aluminum Clamps 5052H32	ASTM B-209

FINISH

Anvil-Strut pipe clamps are available in the following finishes:

Electro Galvanized	ASTM B-633
Hot Dipped Galvanized	ASTM A-123
Zinc Trivalent Chromium	ASTM B-633-85
Powder Coated Supr-Green	ASTM B-117
Copper Plated	ASTM B-734-84

ORDERING

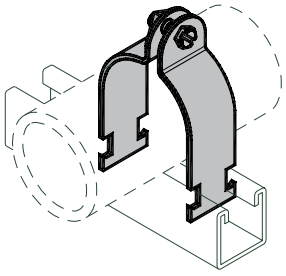
Please specify catalog number, size and finish.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 1000AS **EG**

EMT CONDUIT CLAMP



Size	O.D. Size	Steel Gauge	Wt./100 Pcs.	Std.Pkg.
½"	0.706	16	11	100
¾"	0.922	16	12	100
1"	1.163	14	15	100
1¼"	1.510	14	18	100
1½"	1.740	12	29	50
2"	2.197	12	33	50

All sizes are offered in pre-assembled only

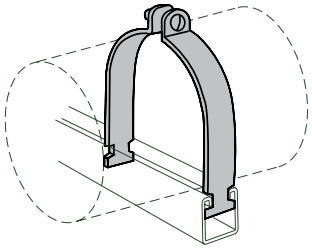
ORDERING: Specify figure number and pipe size.

Std Pkg & Wt/100 pcs: See chart above.

AS 1300AS **EG**

UNIVERSAL CLAMP

For EMT, IMC, GC, Pipe, or O.D. Tube



Size	O.D. Range Min./Max.	Wt./ 100 Pcs.	Std. Pkg.
½"	0.706 to 0.840	13	100
¾"	0.922 to 1.050	14	100
1"	1.163 to 1.315	18	100
1¼"	1.510 to 1.660	21	100
1½"	1.740 to 1.900	23	50
2"	2.197 to 2.375	25	100

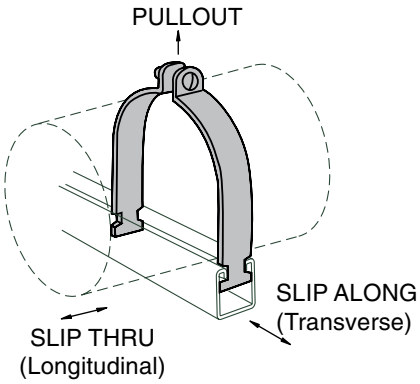
All sizes are offered in pre-assembled only

ORDERING: Specify figure number and pipe size.

Std Pkg & Wt/100 pcs: See chart above.

AS 1100AS **EG, SS, ZTC**

RIGID CONDUIT CLAMP



Pipe Size	O.D. Size	Steel Ga.	Wt./ 100 Pcs.	Std. Pkg.
¼"	0.540	16	11	100
⅜"	0.675	16	12	100
½"	0.840	16	13	100
¾"	1.050	16-14	15	100
1"	1.315	14	18	100
1¼"	1.660	14	22	100
1½"	1.900	14-12	32	50
2"	2.375	12	37	50
2½"	2.875	12	42	50
3"	3.500	12	49	50
3½"	4.000	11	65	25
4"	4.500	11	69	25
5"	5.563	11	82	25
6"	6.625	11-10	107	25
8"	8.625	11-10	133	25
10"	10.750	11-10	143	10
12"	12.750	11	170	10

Nominal Pipe Size	Design Loads *		
	Pullout (lbs)	Slip Along (lbs)	Slip Thru (lbs)
¼"	650	90	100
⅜"	650	100	100
½"	650	100	100
¾"	650	100	100
1"	650	100	100
1¼"	950	200	200
1½"	1050	300	300
2"	1350	300	300
2½"	1300	250	300
3"	1150	300	300
3½"	1150	300	300
4"	1550	300	300
5"	1550	300	300
6"	1550	300	250
8"	1450	300	300
10"	1550	–	–
12"	1400	–	–

* Safety Factor 3.0

All sizes are offered in pre-assembled only

ORDERING: Specify figure number and pipe size.

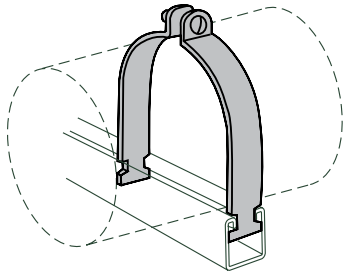
Std Pkg & Wt/100 pcs: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 1200AS **EG, SS, ZTC, Copper Plated (Refer to table for sizes offered)**

O.D. TUBING CLAMP

O.D. Size	Tube Size	Steel Ga.	Wt./ 100 Pcs.	Std. Pkg.
1/4"	1/8"	16	8	100
3/8" ♦	1/4"	16	8	100
1/2" ♦	3/8"	16	8	100
5/8" ♦	1/2"	16	9	100
3/4"	5/8"	16	11	100
7/8" ♦	3/4"	16	11	100
1"	7/8"	14	13	100
1 1/8" ♦	1"	14	15	100
1 1/4"	1 1/8"	14	16	100
1 3/8" ♦	1 1/4"	14	17	100
1 1/2"	1 3/8"	14	18	100
1 5/8" ♦	1 1/2"	14	19	100
1 3/4"	1 5/8"	12	19	50
1 7/8"	1 3/4"	12	28	50
2"	1 7/8"	12	31	50
2 1/8" ♦	2"	12	31	50
2 1/4"	2 1/8"	12	33	50
2 3/8"	2 1/4"	12	34	50
2 1/2"	2 3/8"	12	35	50
2 5/8" ♦	2 1/2"	12	39	50
2 3/4"	2 5/8"	12	37	50
2 7/8"	2 3/4"	12	39	50
3"	2 7/8"	12	41	50
3 1/8" ♦	3"	12	42	50
3 1/4"	3 1/8"	12	42	50
3 3/8"	3 1/4"	12	43	50
3 1/2"	3 3/8"	12	44	50
3 5/8" ♦	3 1/2"	11	56	25
3 3/4"	3 5/8"	11	57	25
3 7/8"	3 3/4"	11	57	25
4"	3 7/8"	11	61	25
4 1/8" ♦	4"	11	61	25
4 1/4"	4 1/8"	11	64	25
4 3/8"	4 1/4"	11	64	25
4 1/2"	4 3/8"	11	66	25
4 5/8"	4 1/2"	11	66	25
4 3/4"	4 5/8"	11	68	25
4 7/8"	4 3/4"	11	73	25
5"	4 7/8"	11	74	25



O.D. Size	Tube Size	Steel Ga.	Wt./ 100 Pcs.	Std. Pkg.
5 1/8" ♦	5"	11	70	25
5 1/4"	5 1/8"	11	70	25
5 3/8"	5 1/4"	11	77	25
5 1/2"	5 3/8"	11	78	25
5 5/8"	5 1/2"	11-10	83	25
5 3/4"	5 5/8"	11-10	84	25
5 7/8"	5 3/4"	11-10	85	25
6"	5 7/8"	11-10	94	25
6 1/8" ♦	6"	11-10	94	25
6 1/4"	6 1/8"	11-10	96	25
6 3/8"	6 1/4"	11-10	98	25
6 1/2"	6 3/8"	11-10	99	25
6 5/8"	6 1/2"	11-10	100	25
6 3/4"	6 5/8"	11-10	102	25
6 7/8"	6 3/4"	11-10	104	25
7"	6 7/8"	11-10	108	25
7 1/8"	7"	11-10	108	25
7 1/4"	7 1/8"	11-10	112	25
7 3/8"	7 1/4"	11-10	112	25
7 1/2"	7 3/8"	11-10	116	25
7 5/8"	7 1/2"	11-10	115	25
7 3/4"	7 5/8"	11-10	119	25
7 7/8"	7 3/4"	11-10	119	25
8"	7 7/8"	11-10	121	25
8 1/8"	8"	11	125	25
8 1/4"	8 1/8"	11	126	25
8 3/8"	8 1/4"	11	128	25
8 1/2"	8 3/8"	11	129	25
8 5/8"	8 1/2"	11	130	25

♦ Available Copper Plated
All sizes are offered in pre-assembled only
ORDERING: Specify figure number and O.D. size.

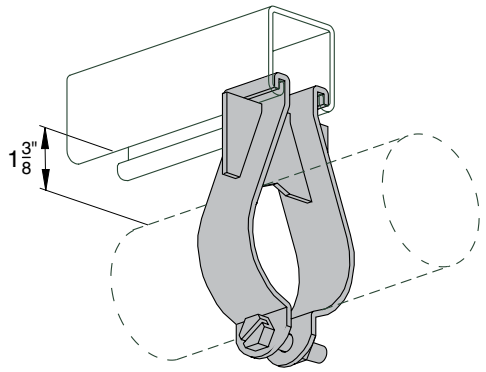
Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3138 **EG**

PARALLEL PIPE CLAMP



Pipe Size	O.D. Size	Wt./100 Pcs.
3/8"	0.675	27
1/2"	0.840	29
3/4"	1.050	30
1"	1.315	31
1 1/4"	1.660	38
1 1/2"	1.900	40

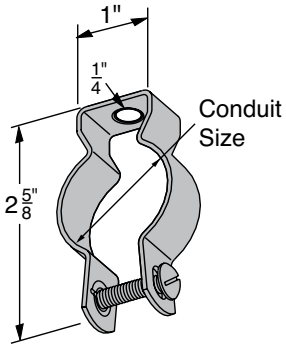
Pipe Size	O.D. Size	Wt./100 Pcs.
2"	2.375	47
2 1/2"	2.875	66
3"	3.500	78
3 1/2"	4.000	87
4"	4.500	90

ORDERING: Specify figure number and O.D. size.

Wt/100 pcs: See chart above.

AS 270 **EG**

CONDUIT CLAMP

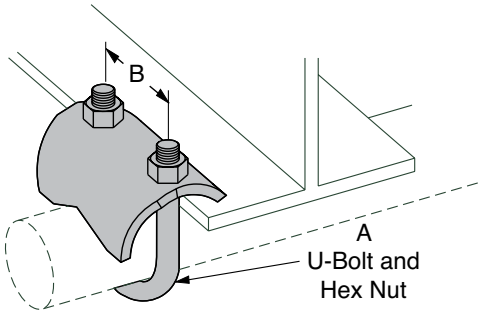


Diameter	Std. Pkg.	Wt./100 Pcs.
3/8" - 1/2"	50	6
3/4"	50	8
1"	50	9
1 1/4" - 1 1/2"	25	19
2"	50	27

Std Pkg & Wt/100 pcs: See chart above.

AS 51 **EG**

RIGHT ANGLE PIPE OR CONDUIT CLAMP

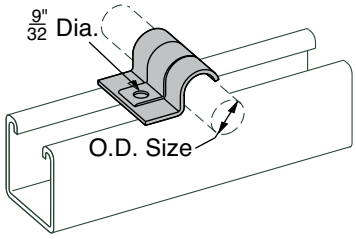


Size	A Dia.	B	Wt/100 Pcs.	Std. Pkg.
3/8"	5/16"	15/16"	25	50
1/2"	5/16"	1 3/16"	41	50
3/4"	5/16"	1 7/16"	42	50
1"	5/16"	1 11/16"	47	50
1 1/4"	5/16"	2"	54	50
1 1/2"	5/16"	2 3/8"	57	50
2"	3/8"	2 3/16"	85	50
2 1/2"	3/8"	3 3/8"	106	50
3"	3/8"	4 1/8"	110	25
3 1/2"	3/8"	4 5/8"	128	50
4"	3/8"	5 1/8"	140	50

Std Pkg & Wt/100 pcs: See chart above.

AS 1450 **EG**

ONE-HOLE CLAMP FOR O.D. TUBING



O.D. Size	Steel Ga.	Wt./100 Pcs.	Std. Pkg.
1/4"	16	4	100
3/8"	16	5	100
1/2"	16	6	100
5/8"	14	8	100
3/4"	14	9	100
7/8"	14	10	50
1"	14	11	50

ORDERING: Specify figure number and pipe size.

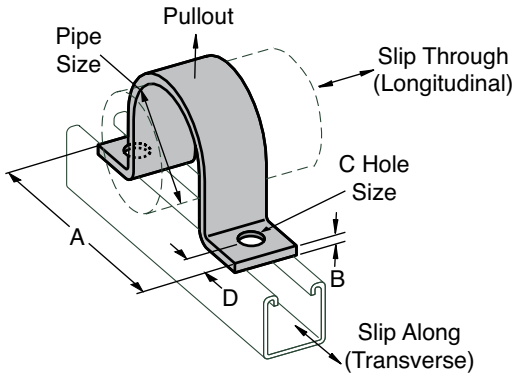
Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3126 **EG**

HOLD DOWN CLAMP



Pipe Size	A	B	C	D	Std Pkg	Wt./100 Pcs.	Load Rating
½"	2 7/8"	1/8"	9/32"	7/16"	50	23	500
¾"	3 1/16"	1/8"	9/32"	7/16"	50	26	500
1"	3 11/32"	1/8"	9/32"	7/16"	25	31	500
1¼"	3 11/16"	1/8"	9/32"	7/16"	25	35	500
1½"	3 29/32"	1/8"	9/32"	7/16"	25	39	500
2"	5 21/32"	1/4"	13/32"	13/16"	25	94	1,000
2½"	6 5/32"	1/4"	13/32"	13/16"	25	114	1,000
3"	6 25/32"	1/4"	13/32"	13/16"	25	133	1,000
3½"	7 9/32"	1/4"	13/32"	13/16"	10	152	1,000
4"	7 25/32"	1/4"	13/32"	13/16"	Bulk	176	1,000
5"	7 27/32"	1/4"	13/32"	13/16"	Bulk	198	1,000
6"	9 29/32"	1/4"	13/32"	13/16"	Bulk	225	1,000

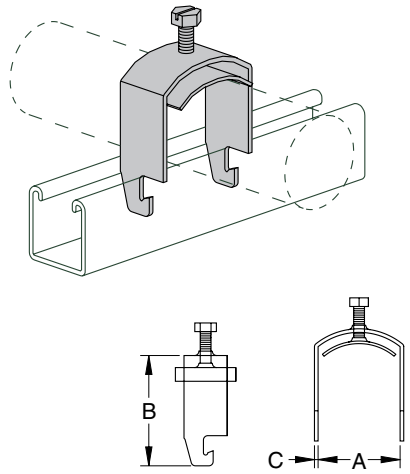
Nominal Pipe Size	Design Loads *		
	Slip Thru (lbs)	Slip Along (lbs)	Pullout (lbs)
½"	425	479	811
¾"	184	405	850
1"	168	455	769
1¼"	402	401	830
1½"	315	532	876
2"	553	1,728	2,133
2½"	408	1,615	2,280
3"	900	1,494	2,295
3½"	646	1,516	2,273
4"	834	1,463	2,324
5"	564	1,097	2,324
6"	494	899	2,250

* Safety Factor 3.0

Std Pkg & Wt/100 pcs: See chart above.

AS 3101 THRU AS 3114 **EG**

ONE PIECE CABLE AND CONDUIT CLAMP



No.	Size	A	B	C	Std Pkg	Wt/100 pcs
AS 3101	3/8"	7/16"	1 5/8"	14	100	6
AS 3102	1/2"	9/16"	1 3/4"	14	100	7
AS 3103	3/4"	1 3/16"	2"	14	100	12
AS 3104	1"	1 1/16"	2 1/4"	14	100	15
AS 3105	1 1/4"	1 5/16"	2 1/2"	14	100	19
AS 3106	1 1/2"	1 9/16"	2 3/4"	14	100	20
AS 3107	1 3/4"	1 13/16"	3"	12	100	25
AS 3108	2"	2 1/16"	3 1/4"	12	100	35
AS 3109	2 3/8"	2 7/16"	3 5/8"	12	75	41
AS 3110	2 3/4"	2 13/16"	4"	12	75	60
AS 3111	3 1/4"	3 5/16"	4 1/2"	12	75	64
AS 3112	3 3/4"	3 13/16"	5"	12	50	91
AS 3113	4"	4 1/16"	5 1/4"	12	40	100
AS 3114	4 3/8"	4 7/16"	5 5/8"	12	30	115

Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 004OD THRU AS 106P | **EG, 304SS, 316SS, ZTC**

CUSHION CLAMP ASSEMBLY

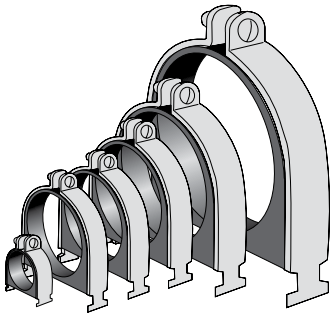
Material

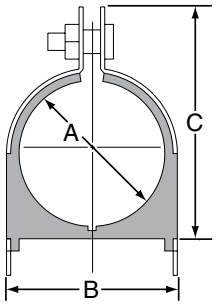
Clamp: 1008-1018 Carbon Steel
Cushion: High Strength TPE
Locknut: Nylon Insert

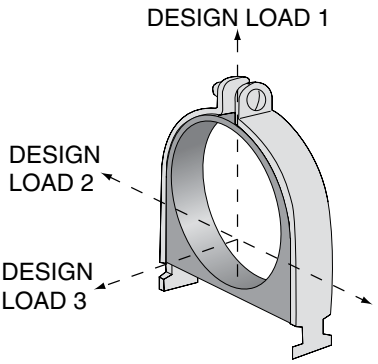
Service Temperature:
-65˚F to 275˚F.

Approvals

UL 2043 Fire Test for Heat and Visible Smoke Release
25/50 Flame Spread/Smoke Development Index







TUBE SERIES						
Part No.	O.D. Size	A	B	C	Std Pkg	Wt/100 pcs
AS 0040D	1/4"	0.25	0.62	0.98	25	10
AS 0060DN	3/8"	0.37	0.82	1.13	25	11
AS 0080DN	1/2"	0.50	0.94	1.34	25	13
AS 0100DN	5/8"	0.62	1.06	1.54	25	14
AS 0120DN	3/4"	0.75	1.20	1.68	25	14
AS 0140DN	7/8"	0.87	1.31	1.82	25	15
AS 0160D	1"	1.00	1.44	1.95	25	17
AS 0180DN	1 1/8"	1.12	1.57	2.08	20	18
AS 0200D	1 1/4"	1.25	1.70	2.21	20	18
AS 0220DN	1 3/8"	1.37	1.82	2.34	20	20
AS 0240D	1 1/2"	1.50	1.95	2.47	20	33
AS 0260DN	1 5/8"	1.62	2.07	2.60	20	35
AS 0280D	1 3/4"	1.75	2.20	2.73	20	37
AS 0320D	2"	2.00	2.45	3.04	10	41
AS 0340D	2 1/8"	2.12	2.57	3.23	10	46
AS 0400D	2 1/2"	2.50	2.94	3.79	10	49
AS 0420D	2 5/8"	2.62	3.07	3.92	5	51
AS 0480D	3"	3.00	3.57	4.42	5	57
AS 0500D	3 1/8"	3.12	3.57	4.42	5	60
AS 0580D	3 5/8"	3.62	4.20	5.11	5	70
AS 0660D	4 1/8"	4.12	4.57	5.54	5	94
AS 0820D	5 1/8"	5.12	5.57	6.54	5	125
AS 0980D	6 1/8"	6.12	6.57	7.54	5	130

TUBE SERIES			
Copper & Steel Tube O.D. Size	Design Load 1 (lbs)	Design Load 2 (lbs)	Design Load 3 (lbs)
1/4"	400	50	50
3/8"	400	50	50
1/2"	400	50	50
5/8"	400	50	50
3/4"	600	75	75
7/8"	600	75	75
1"	600	75	75
1 1/8"	600	75	75
1 1/4"	600	75	75
1 3/8"	600	75	75
1 1/2"	600	75	75
1 5/8"	600	75	75
1 3/4"	800	125	125
1 7/8"	800	125	125
2"	800	125	125
2 1/8"	800	125	125
2 1/4"	800	125	125
2 3/8"	800	125	125
2 1/2"	800	125	125
2 5/8"	800	125	125
3"	800	125	125
3 1/8"	800	125	125
3 5/8"	1000	200	150
4 1/8"	1000	200	150
6 1/8"	1000	200	150

PIPE SERIES						
Part No.	O.D. Size	A	B	C	Std Pkg	Wt/100 pcs
AS 009P	1/4" Pipe	0.54	0.98	1.34	25	13
AS 011P	3/8" Pipe	0.67	1.13	1.54	25	14
AS 014P	1/2" Pipe	0.84	1.29	1.82	25	15
AS 017P	3/4" Pipe	1.05	1.50	2.08	20	17
AS 021P	1" Pipe	1.31	1.76	2.34	20	19
AS 027P	1 1/4" Pipe	1.66	2.17	2.73	20	35
AS 030ODP	1 1/2" Pipe	1.90	2.35	2.86	20	39
AS 038ODP	2" Pipe	2.37	2.82	3.67	10	47
AS 046ODP	2 1/2" Pipe	2.87	3.32	4.17	5	55
AS 056ODP	3" Pipe	3.50	3.95	4.79	5	55
AS 064ODP	3 1/2" Pipe	4.00	4.45	5.42	5	88
AS 072ODP	4" Pipe	4.50	4.95	5.92	5	110
AS 089P	5" Pipe	5.56	6.01	6.92	5	130
AS 106P	6" Pipe	6.62	7.07	8.23	5	140

PIPE SERIES			
Pipe Sizes (Nominal)	Design Load 1 (lbs)	Design Load 2 (lbs)	Design Load 3 (lbs)
1/4"	400	50	50
3/8"	600	75	75
1/2"	600	75	75
3/4"	600	75	75
1"	600	75	75
1 1/4"	800	125	125
1 1/2"	800	125	125
2"	800	125	125
2 1/2"	800	125	125
3"	1000	200	150
3 1/2"	1000	200	150
4"	1000	200	150
5"	1000	200	150
6"	1000	200	150

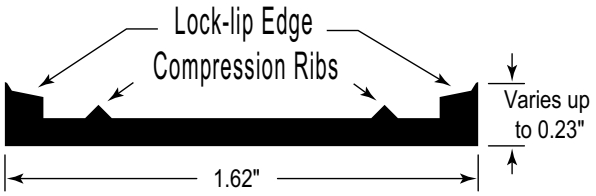
Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

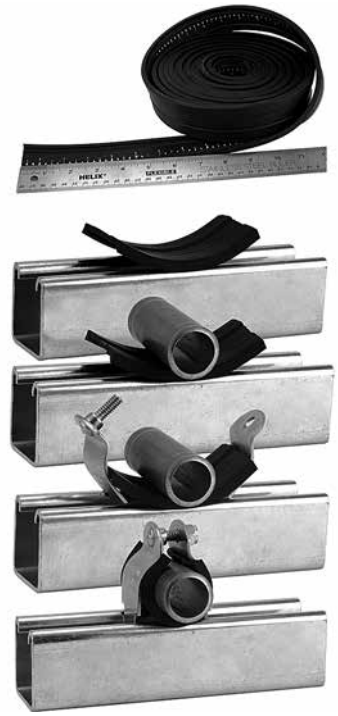
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3792

CUSHION STRIP



- Manufactured from a thermoplastic elastomer, Cushion Wrap is designed for use from -50°F to 275°F.
- Easy Stocking – Packaged in 20 foot rolls in an E-Z dispenser box for convenience in handling and storage. Cush-A-Strip roll part number is 75100 Cushion Wrap.
- Easy Measuring – Marked in ¼" increments for fast measuring and cutting, while eliminating waste.
- Lock-lip edges ensure that Cushion Wrap will remain in place with a balanced grip.
- Clamps ordered Separately. They are available with a standard bolt and nylon lock nut in steel (electro-dichromate), and stainless steel, in sizes ranging from ¼" tube to 6" pipe. Use C-1100 (EMT, C-1101 (Tube) or C-1102 (Rigid Conduit) pipe clamps.



(1) Cut appropriate length strip using the cutting schedule shown on right.

(2) Place the pipe on the Cushion Wrap.

(3) Insert the clamps in the strut.

(4) Tighten the clamps.

Cutting Chart			
Clamp Size O.D.	Tube Size O.D.	Pipe Size (Nom.)	Cutting Schedule
½"	¼"	–	⅞
⅝"	⅜"	–	1⅛
¾"	½"	¼"	1½
⅞"	⅝"	⅜"	2
1"	¾"	–	2¼
1⅛"	⅞"	½"	3
1¼"	1"	¾"	3¼
1⅜"	1⅛"	–	3⅝
1½"	1 3⁄16"	–	3⅞
1½"	1¼"	1"	4
1⅝"	1⅜"	–	4½
1¾"	1½"	–	4⅞
1⅞"	1⅝"	1¼"	5¼
2"	1¾"	–	5½
2⅛"	1⅞"	1½"	6
2¼"	2"	–	6⅜
2⅜"	2⅛"	–	6¾
2½"	2¼"	–	7¼
2⅝"	2⅜"	2"	7½
2¾"	2½"	–	8
3"	2¾"	–	8¾
3⅛"	2⅞"	2½"	9¼
3¼"	3"	–	9½
3¾"	3½"	3"	11
4¼"	4"	3½"	12¼
4¾"	4½"	4"	14
5¾"	–	5"	15½
6⅞"	–	6"	18½

* Gold Plated Steel Clamps Supplied with Fixed Stud and Nylon Lock Nut

* Stainless Steel Clamps Supplied with fixed Stud and Nylon Lock Nut from ½" through 1¾" Sizes and 1⅞" through 6⅞" Sizes are Supplied with a Loose Bolt and Hex Nut

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

Fig. 67

PIPE OR CONDUIT HANGER

Size range ½" thru 6".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 69

SWIVEL RING HANGER

Size range ½" thru 4".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 137

"U" BOLT WITH NUTS LONG TANGENT

Size range ½" thru 4".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

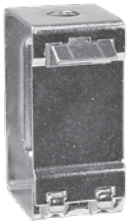
AS 2631 & AS 2631D

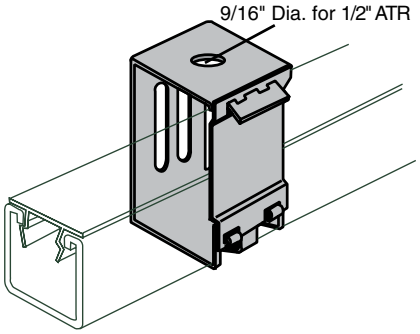
SWING GATE FIXTURE HANGER

UL LISTED

Maximum design load is 120 lbs.
Safety factor of 3.

Catalog No.	For Use With	UL LISTED	Wt./ 100 Pcs.
AS 2631	AS 200	UL	25
AS 2631	AS 210, AS 300, AS 400, AS 500	-	25
AS 2631D	AS 100, AS 150, AS 200 BTB, AS 210 BTB	-	45

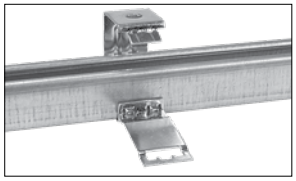




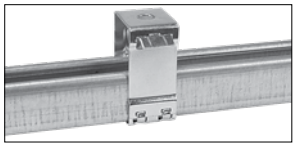
Snap Type Channel Hanger – Installation

Step 1:
The hanger is opened by releasing snap.

Step 2:
Channel is placed in the hanger & the snap cover is closed.



Step 3:

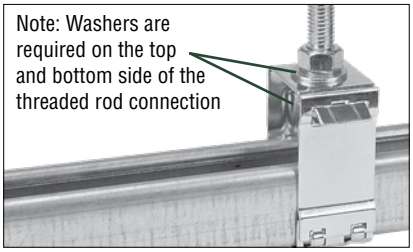


Snap Type Channel Hanger – Application Example

Threaded rod, hex nuts and washers are used to connect the hanger. The channel is installed as described above.

A channel closure strip is required on the channel to create a wire raceway.

After the channel with closure strip is in place, the space between the closure strip and the top of the hanger allow removal of the strip for addition or removal of wire.

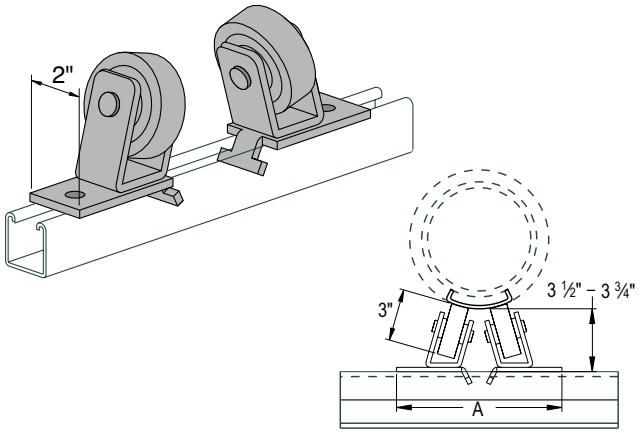


LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 815 **EG**

(6" TO 16" PIPE) DOUBLE ROLLER PIPE SUPPORT

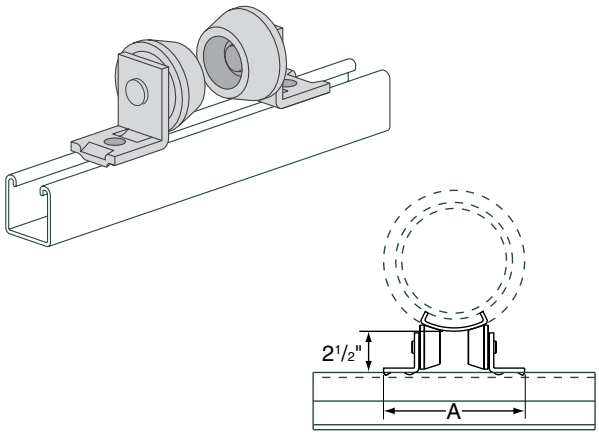


Order Nuts and Bolts Separately.
For "A" Dimension Recommendations, See Chart On Page 144.

Std Pkg: 5 Pr. · Wt/100 pcs: 680 lbs.

AS 1901 **EG**

(1/2" – 4" PIPE) PIPE ROLLER SUPPORT

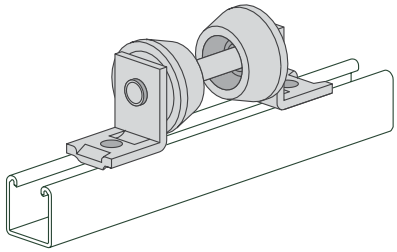


For "A" Dimension Recommendations, see chart on page 144.

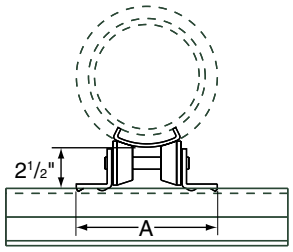
Std Pkg: 10 Pr. · Wt/100 pcs: 125 lbs.

AS 1902 **EG**

(1" – 8" PIPE) PIPE ROLLER SUPPORT



Size	A	Wt/100 pcs
1"-2"	6 3/4	299
2 1/2"-3 1/2"	7 1/2	304
4"-6"	8 1/2	311
8"	9 9/16	319

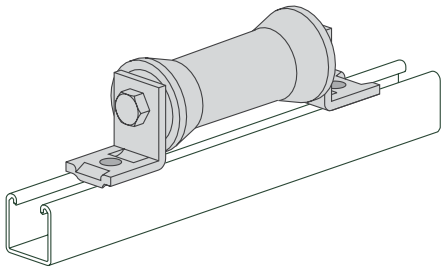


For "A" Dimension Recommendations, see chart on page 144.

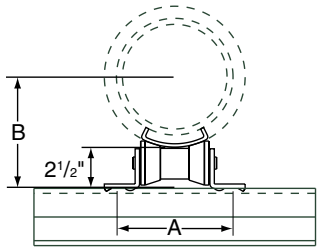
Std Pkg: 10 · Wt/100 pcs: See chart above.

AS 1911 **EG**

(2" – 14" PIPE) PIPE ROLLER



Size	Std Pkg	Wt/100 pcs
2"-3 1/2"	25	160
4"-6"	20	215
8"-10"	–	525
12"-14"	–	1025



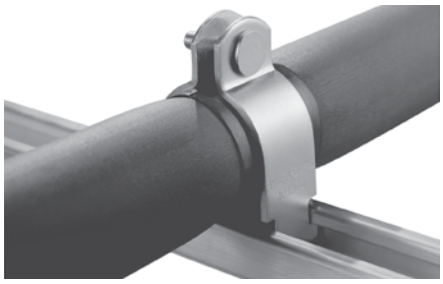
For "A" Dimension Recommendations, see chart on page 144.

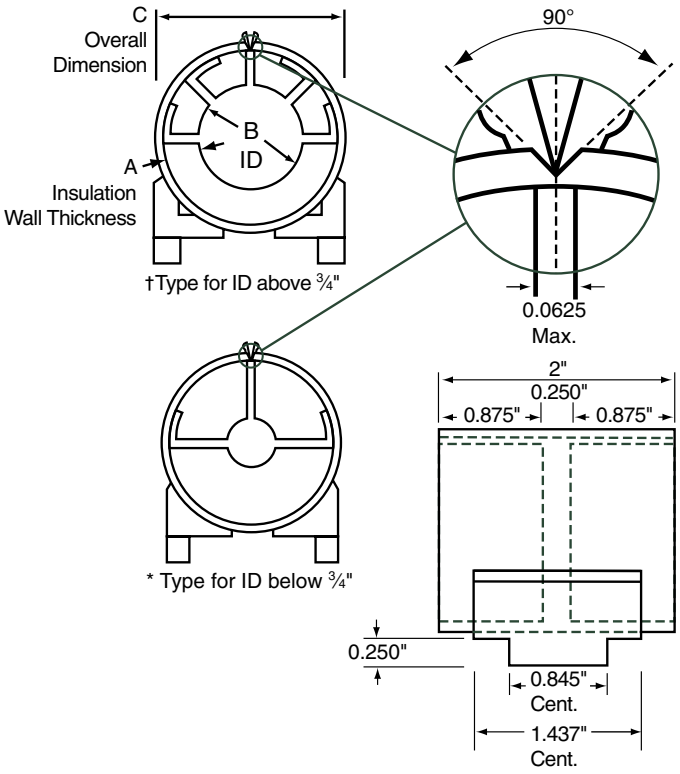
Std Pkg & Wt/100 pcs: See chart above.

KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH STRUT CLAMP

FOR USE WITH ELASTOMERIC INSULATION

Klo-Shure® Strut Mounted parts include the Klo-Shure® Coupling, clamp halves with welded fastener and locknut.
Material: Clamp: 1008-1018 Carbon Steel; Coupling: High Strength TPO Plastic
Approvals: UL 2043 Fire Test for Heat and Visible Smoke Release • 25/50 Flame Spread/Smoke Development Index





A Insulation Wall Thickness	Klo-Shure Part No.	B Klo-Shure ID – Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 3/8" wall insulation	723025	1/4" ID	1.12	40
	723037	3/8" ID	1.25	25
	723050	1/2" ID	1.37	20
	723062	5/8" ID	1.50	20
	723075	3/4" ID	1.62	15
	723087	7/8" ID	1.75	15
	723100	1" ID	1.87	15
	723112	1 1/8" ID	2.00	15
	723137	1 3/8" ID	2.25	15
	723162	1 5/8" ID	2.50	10
	723212	2 1/8" ID	3.00	10
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	724037	3/8" ID	1.50	25
	724050	1/2" ID	1.62	20
	724062	5/8" ID	1.75	20
	724075	3/4" ID	1.87	15
	724087	7/8" ID	2.00	15
	724100	1" ID	2.12	15
	724112	1 1/8" ID	2.25	15
	724137	1 3/8" ID	2.50	15
	724162	1 5/8" ID	2.75	10
	724212	2 1/8" ID	3.25	10
	724262	2 5/8" ID	3.75	10
	724312	3 1/8" ID	4.25	10
	724362	3 5/8" ID	4.75	10
	724412	4 1/8" ID	5.25	10
Klo-Shure Strut Mounted Coupling for 3/4" wall insulation	726025	1/4" ID	1.87	20
	726037	3/8" ID	2.00	20
	726050	1/2" ID	2.12	15
	726062	5/8" ID	2.25	15
	726075	3/4" ID	2.37	15
	726087	7/8" ID	2.50	10
	726112	1 1/8" ID	2.75	10
	726137	1 3/8" ID	3.00	10
	726162	1 5/8" ID	3.25	10
	726212	2 1/8" ID	3.75	10
	726262	2 5/8" ID	4.25	10
	726312	3 1/8" ID	4.75	10
	726362	3 5/8" ID	5.25	10
	726412	4 1/8" ID	5.75	10

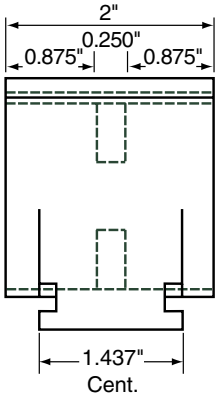
NOTE:
Klo-Shure® ID equals copper tube OD. Chart indicates coupling sizes currently available from Klo-Shure®. Service Temperature –65°F to 275°F.

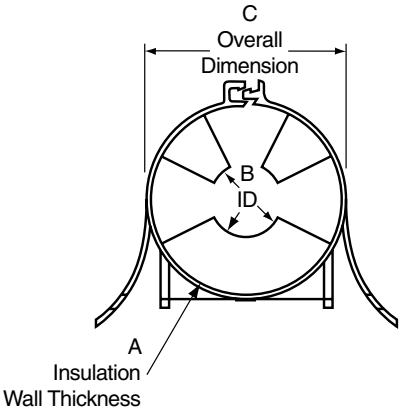
A Insulation Wall Thickness	Klo-Shure Part No.	B Klo-Shure ID – Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1" wall insulation	728062	5/8" ID	2.75	10
	728087	7/8" ID	3.00	10
	728112	1 1/8" ID	3.25	10
	728137	1 3/8" ID	3.50	10
	728162	1 5/8" ID	3.75	10
	728212	2 1/8" ID	4.25	10
	728262	2 5/8" ID	4.75	10
	728312	3 1/8" ID	5.25	10
	728362	3 5/8" ID	5.75	10
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	729037	3/8" ID	3.50	10
	729050	1/2" ID	3.62	10
	729062	5/8" ID	3.75	10
	729087	7/8" ID	4.00	10
	729112	1 1/8" ID	4.25	10
	729137	1 3/8" ID	4.50	10
	729162	1 5/8" ID	4.75	10
	729212	2 1/8" ID	5.25	10
	729312	3 1/8" ID	6.25	10

KLO-SHURE® STRUT MOUNTED ONE-PIECE INSULATION COUPLING

FOR USE WITH ELASTOMERIC INSULATION

Klo-Shure® lock top Strut Mounted parts include the Klo-Shure® Coupling. No metal clamps needed.
Approvals: UL 2043 Fire Test for Heat and Visible Smoke Release • 25/50 Flame Spread/Smoke Development Index





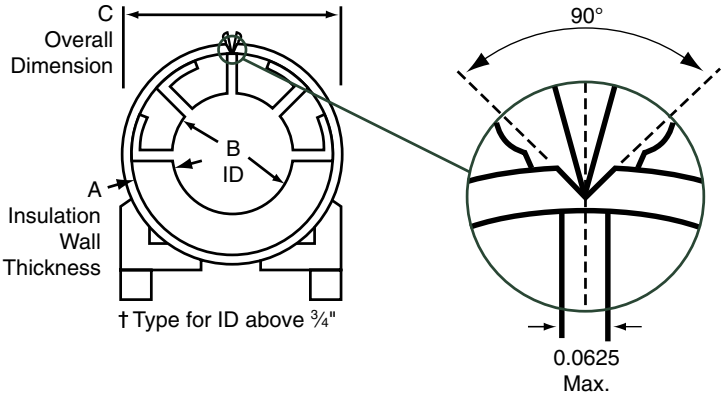
NOTE:
Klo-Shure® ID equals copper tube OD. Chart indicates coupling sizes currently available from Klo-Shure®. Service Temperature –65°F to 275°F.

A Insulation Wall Thickness	Klo-Shure Part No.	B Klo-Shure ID – Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling (Non Metallic) for 1/2" wall insulation	824050	1/2" ID	1.62	25
	824062	5/8" ID	1.75	25
	824087	7/8" ID	2.00	25
	824112	1 1/8" ID	2.25	25
	824137	1 3/8" ID	2.50	25
	824162	1 5/8" ID	2.75	25
	824212	2 1/8" ID	3.25	25
Klo-Shure Strut Mounted Coupling (Non Metallic) for 3/4" wall insulation	826062	5/8" ID	2.25	25
	826087	7/8" ID	2.50	25
	826112	1 1/8" ID	2.75	25
	826137	1 3/8" ID	3.00	25
Klo-Shure Strut Mounted Coupling (Non Metallic) for 1" wall insulation	828087	7/8" ID	3.00	25
	828112	1 1/8" ID	3.25	25
	828137	1 3/8" ID	3.50	25
	828162	1 5/8" ID	3.75	25
	828212	2 1/8" ID	4.25	25
	828262	2 5/8" ID	4.75	25

KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH STRUT CLAMP

FOR IRON PIPE AND COPPER TUBE SIZES • USE WITH FIBERGLASS INSULATION

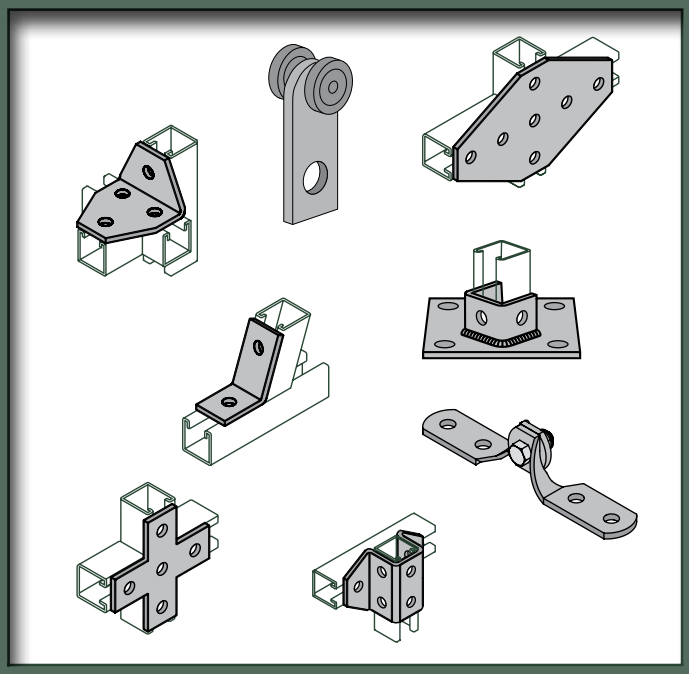
Klo-Shure® Strut Mounted parts include the Klo-Shure® Coupling, clamp halves with welded fastener and locknut.
Material: Clamp: 1008-1018 Carbon Steel; Coupling: High Strength TPO Plastic
Approvals: UL 2043 Fire Test for Heat and Visible Smoke Release • 25/50 Flame Spread/Smoke Development Index



NOTE:
Klo-Shure® ID equals iron pipe and copper tube OD. Chart indicates coupling sizes currently available from Klo-Shure®. Service Temperature –65°F to 275°F.

A Insulation Wall Thickness	Klo-Shure Part No.	Nominal Steel Pipe Size	B Klo-Shure ID NPS OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for ½" wall insulation	924084	½"	0.84" ID	2.025	20
	924105	¾"	1.05" ID	2.285	20
	924131	1"	1.315" ID	2.500	10
	924166	1¼"	1.66" ID	2.845	10
	924190	1½"	1.90" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	928084	½"	0.84" ID	3.008	10
	928105	¾"	1.05" ID	3.008	10
	928131	1"	1.315" ID	3.638	10
	928166	1¼"	1.66" ID	3.638	10
	928190	1½"	1.90" ID	4.138	10
	928237	2"	2.375" ID	4.648	10
	928287	2½"	2.875" ID	5.138	10
Klo-Shure Strut Mounted Coupling for 1½" wall insulation	929084	½"	0.84" ID	4.138	10
	929105	¾"	1.05" ID	4.138	10
	929131	1"	1.315" ID	4.648	10
	929166	1¼"	1.66" ID	5.138	10
	929190	1½"	1.90" ID	5.138	10

A Insulation Wall Thickness	Klo-Shure Part No.	B Klo-Shure ID Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for ½" wall insulation	924062	⅝" ID	1.785	20
	924087	⅞" ID	2.025	20
	924112	1⅛" ID	2.285	20
	924137	1⅜" ID	2.500	10
	924162	1⅝" ID	2.845	10
	924212	2⅛" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	928062	⅝" ID	3.008	10
	928087	⅞" ID	3.008	10
	928112	1⅛" ID	3.008	10
	928137	1⅜" ID	3.638	10
	928162	1⅝" ID	3.638	10
	928212	2⅛" ID	4.138	10
	928262	2⅝" ID	4.648	10
	928312	3⅛" ID	5.138	10
Klo-Shure Strut Mounted Coupling for 1½" wall insulation	929087	⅞" ID	4.138	10
	929112	1⅛" ID	4.138	10
	929137	1⅜" ID	4.648	10
	929162	1⅝" ID	4.648	10
	929212	2⅛" ID	5.138	10



Specifications

GENERAL

Anvil-Strut General Fittings are designed to fit with all Anvil-Strut 1⅝" wide channels. Unless otherwise noted, Anvil-Strut fittings are manufactured from ¼" thick carbon steel, 1⅝" wide, all holes are ⁹⁄₁₆" diameter, spaced 1⅞" on center and ¹³⁄₁₆" from the end.

The more popular fittings are illustrated on the following pages. However, there are hundreds of other fittings available. Please contact Anvil for any other fittings you may need for specific applications.

ORDERING

Please specify catalog number and finish.

MATERIAL

Anvil-Strut fittings are manufactured from the following material:

Hot Rolled Steel Sheet	ASTM A-1011
Cold Rolled Steel Sheet	ASTM A-1008
Stainless Steel-Type 304/316	ASTM A-240
Aluminum Fitting	ASTM B-221

FINISHES

Anvil-Strut fittings are available in the following finishes: (See technical section for additional information)

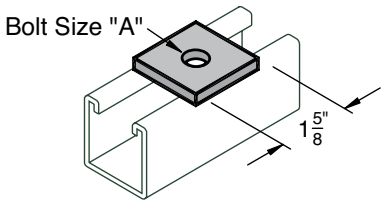
Electro Galvanized	ASTM B-633
Hot Dipped Galvanized	ASTM A-123
Zinc Trivalent Chromium	ASTM B-633-85
Powder Coated Supr-Green	ASTM B-117
PVC Coating - Available Upon Request	

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 619 **EG, GR, SS, ZTC**

SQUARE WASHER

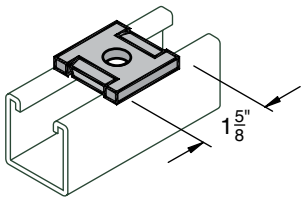


A	Wt./100 Pcs.
1/4"	18
3/8"	18
1/2"	17
5/8"	16
3/4"	15
7/8"	14

Std Pkg 100 - Wt/100 pcs: See chart above.

AS 2504 **EG, GR, ZTC**

SQUARE WASHER WITH CHANNEL GUIDE

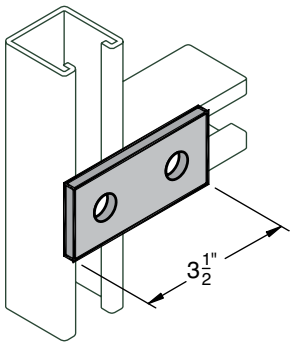


Rod Size	Hole Size	Wt./100 Pcs.
1/4"	5/16"	18
3/8"	7/16"	18
1/2"	9/16"	17

Std Pkg 100 - Wt/100 pcs: See chart above.

AS 601 **EG, GR, ZTC**

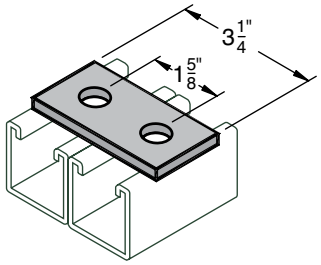
2-HOLE SPLICE PLATE



Std Pkg 50 - Wt/100 pcs: 37 Lbs.

AS 620 **EG, GR**

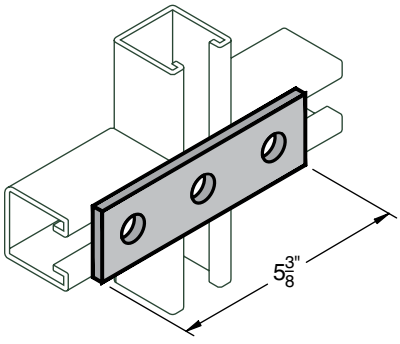
2-HOLE CONNECTING PLATE



Std Pkg 50 - Wt/100 pcs: 34 Lbs.

AS 602 **EG, GR, ZTC**

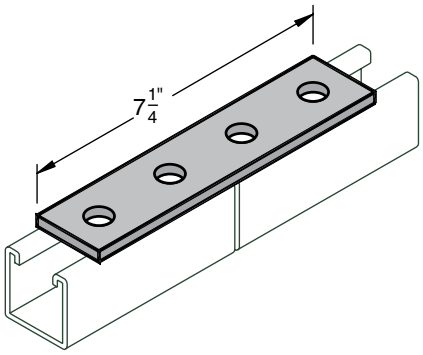
3-HOLE SPLICE PLATE



Std Pkg 25 - Wt/100 pcs: 57 Lbs.

AS 888 **EG, GR, ZTC**

4-HOLE SPLICE PLATE



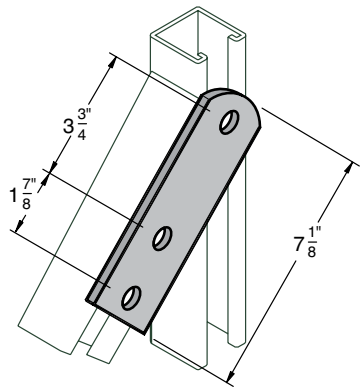
Std Pkg 25 - Wt/100 pcs: 76 Lbs.

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 617 **EG, GR**

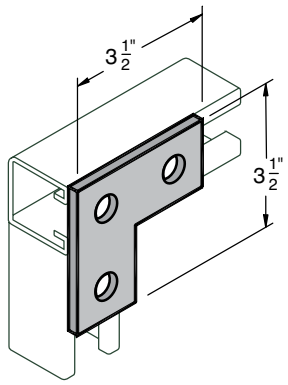
3-HOLE SWIVEL PLATE



Std Pkg 25 - Wt/100 pcs: 75 Lbs.

AS 718 **EG, GR, ZTC**

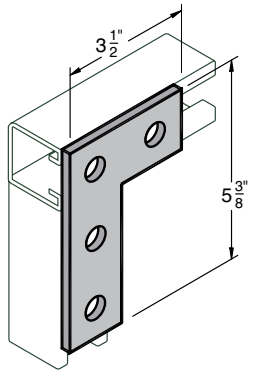
FLAT ANGLE PLATE



Std Pkg 50 - Wt/100 pcs: 56 Lbs.

AS 719 **EG, GR**

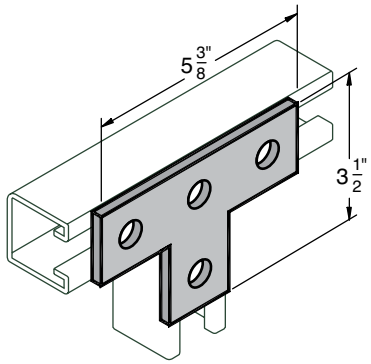
4-HOLE CORNER JOINER PLATE



Std Pkg 20 - Wt/100 pcs: 75 Lbs.

AS 714 **EG, GR, ZTC**

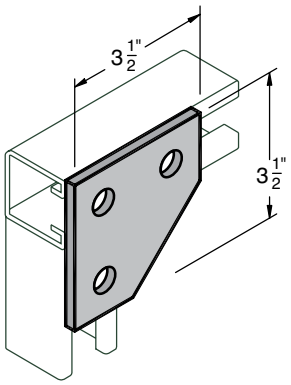
TEE PLATE



Std Pkg 25 - Wt/100 pcs: 77 Lbs.

AS 744 **EG, GR**

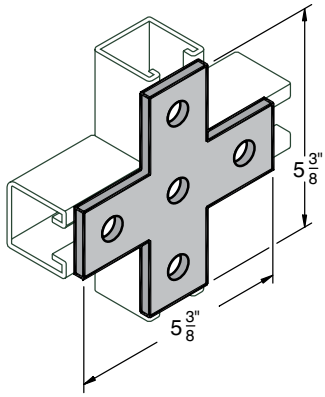
FLAT CORNER CONNECTOR



Std Pkg 25 - Wt/100 pcs: 69 Lbs.

AS 712 **EG, GR, ZTC**

CROSS PLATE



Std Pkg 10 - Wt/100 pcs: 100 Lbs.

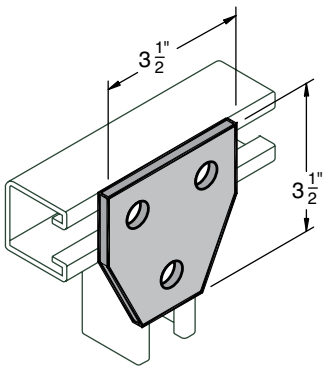
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 925 **EG, GR**

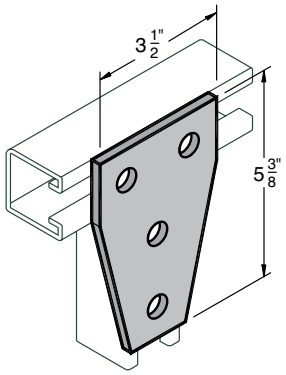
SYMMETRICAL 3-HOLE JOINT CONNECTOR



Std Pkg 25 - Wt/100 pcs: 70 Lbs.

AS 747 **EG, GR**

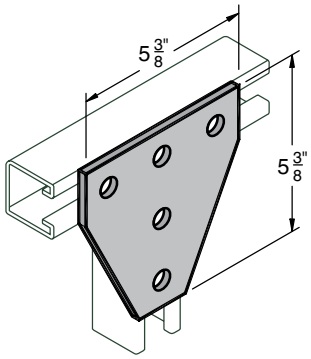
SYMMETRICAL 4-HOLE CONNECTOR



Std Pkg 20 - Wt/100 pcs: 100 Lbs.

AS 854 **EG, GR**

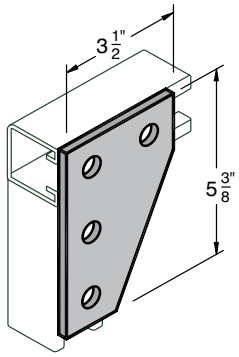
5-HOLE FLAT CONNECTOR



Std Pkg 25 - Wt/100 pcs: 146 Lbs.

AS 750 **EG, GR**

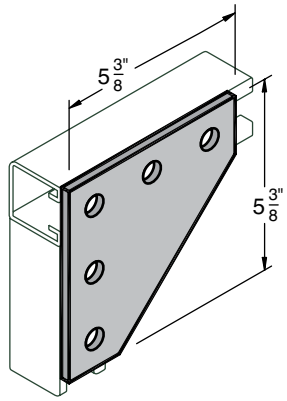
4-HOLE CORNER CONNECTOR



Std Pkg 20 - Wt/100 pcs: 101 Lbs.

AS 2190 **EG, GR**

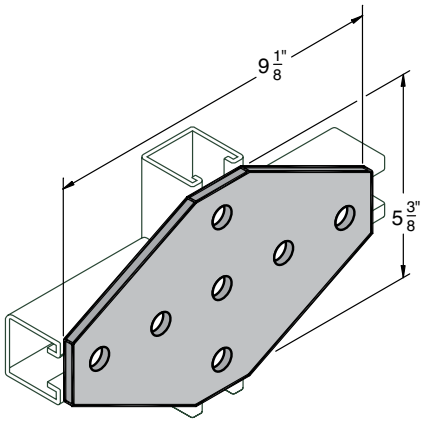
FLAT CORNER CONNECTOR



Std Pkg 20 - Wt/100 pcs: 146 Lbs.

AS 2112 **EG, GR**

7-HOLE CROSS CONNECTOR



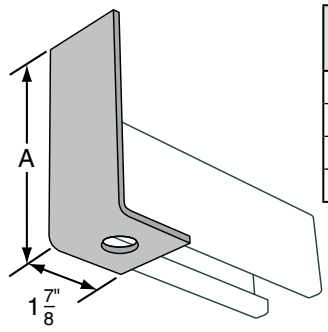
Std Pkg 10 - Wt/100 pcs: 236 Lbs.

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 921 **EG, GR**

1-HOLE ANGLE

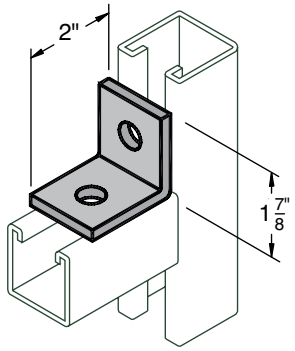


Catalog No.	A	Wt./100 Pcs.
AS 921 A	3⅞"	61
AS 921 B	5⅞"	84
AS 921 C	7⅞"	107
AS 921 D	9⅞"	130

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 603 **EG, GR, ZTC**

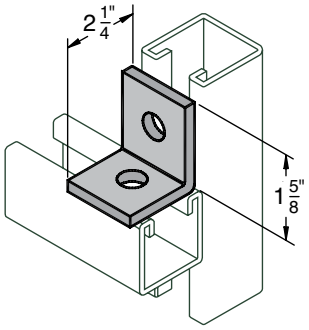
2-HOLE END ANGLE



Std Pkg 50 - Wt/100 pcs: 37 Lbs.

AS 604 **EG, GR, ZTC**

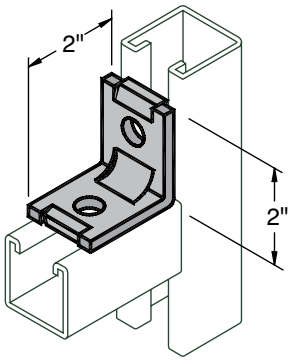
2-HOLE CORNER ANGLE



Std Pkg 50 - Wt/100 pcs: 37 Lbs.

AS 806 **EG, GR**

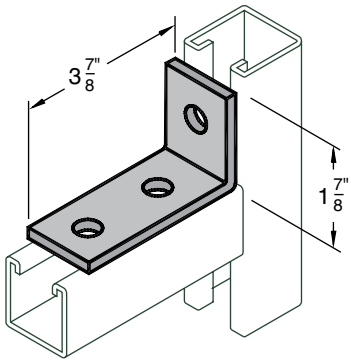
2-HOLE ANGLE WITH IMPRESSIONS ON BOTH LEGS



Std Pkg 50 - Wt/100 pcs: 39 Lbs.

AS 745 **EG, GR, ZTC**

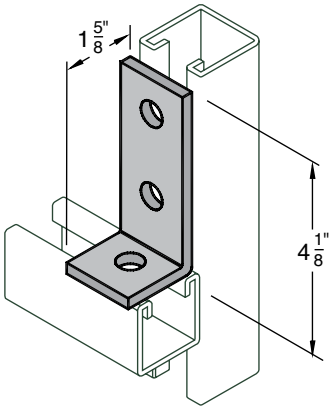
3-HOLE CORNER ANGLE



Std Pkg 25 - Wt/100 pcs: 57 Lbs.

AS 606 **EG, GR, ZTC**

3-HOLE CORNER ANGLE



Std Pkg 50 - Wt/100 pcs: 57 Lbs.

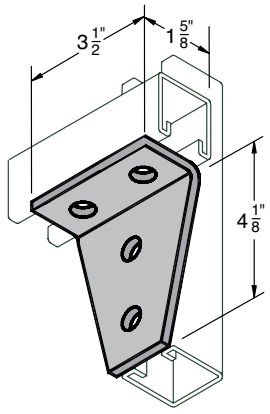
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 748 **EG, GR**

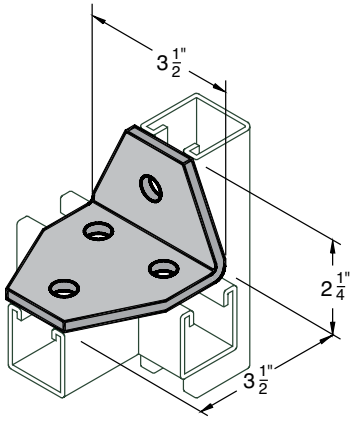
4-HOLE JOINT CORNER CONNECTOR



Std Pkg 25 - Wt/100 pcs: 102 Lbs.

AS 614 **EG, GR**

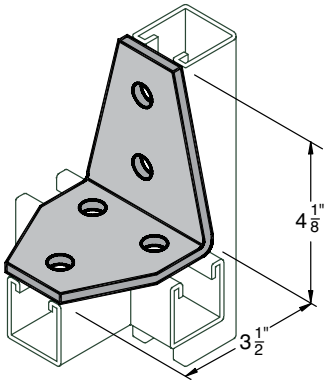
4-HOLE JOINT CORNER CONNECTOR



Std Pkg 25 - Wt/100 pcs: 101 Lbs.

AS 615 **EG, GR**

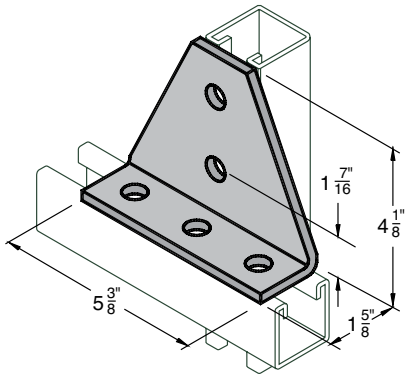
5-HOLE SHELF JOINT ANGLE



Std Pkg 10 - Wt/100 pcs: 135 Lbs.

AS 927 **EG, GR**

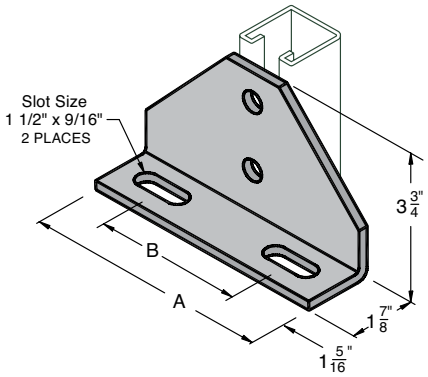
5-HOLE CORNER CONNECTOR



Std Pkg 10 - Wt/100 pcs: 141 Lbs.

AS 689 **EG, GR**

ADJUSTABLE DOUBLE SLOTTED CORNER CONNECTOR



Catalog No.	A	B	Wt./100 Pcs.
AS 689 A	6⅝"	4"	180
AS 689 B	8⅝"	6"	256

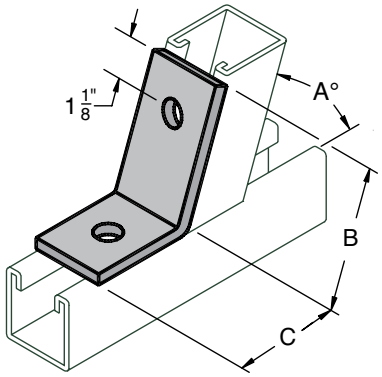
Std Pkg: 10 · Wt/100 pcs: See chart above.

Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes ⁹⁄₁₆" diameter, spaced 1⅞" on center and ¹³⁄₁₆" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 633 **EG, GR, ZTC**

2-HOLE OPEN ANGLE CONNECTOR

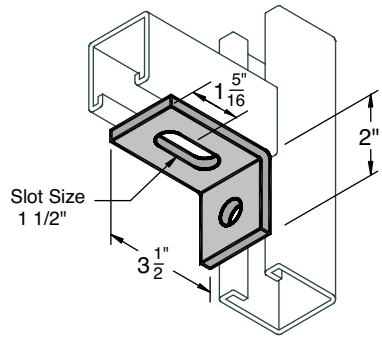


A	B	C	Wt./100 Pcs.
82½°	3½"	2⅛"	63
75°	3½"	2⅛"	63
67½°	3½"	2⅛"	63
60°	3½"	2⅛"	63
52½°	3½"	2⅛"	63
45°	3"	2⅛"	60
37½°	3½"	2⅛"	63
30°	3 5/16"	2 1/16"	59
22½°	3 5/16"	2 1/16"	59
15°	3 5/16"	2 1/16"	59
7½°	3 5/16"	2 1/16"	59

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 2520 **EG, GR**

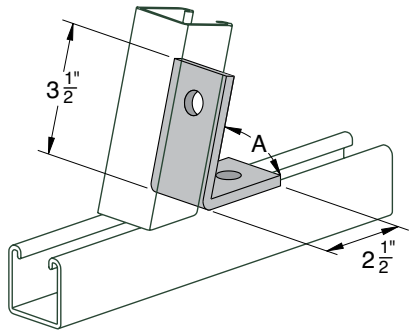
TWO HOLE ADJUSTMENT ANGLE



Std Pkg 25 - Wt/100 pcs: 42 Lbs.

AS 624 **EG, GR, ZTC**

2-HOLE CLOSED ANGLE CONNECTOR

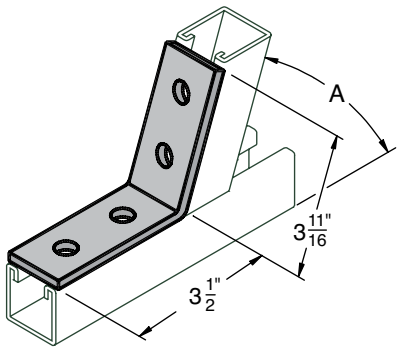


A
37½°
45°
52½°
60°
67½°
75°
82½°

Std Pkg 25 - Wt/100 pcs: 63 Lbs.

AS 781 **EG, GR**

4-HOLE OPEN ANGLE CONNECTOR



A
7½°
15°
22½°
30°
37½°
45°
52½°
60°
67½°
75°
82½°

Std Pkg 25 - Wt/100 pcs: 78 Lbs.

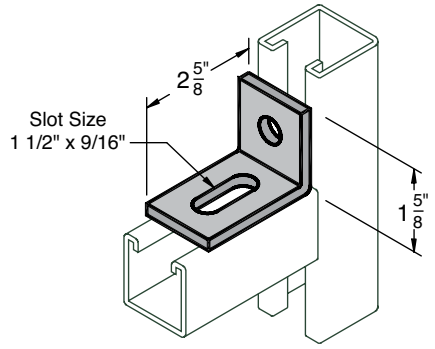
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 2545 **EG, GR**

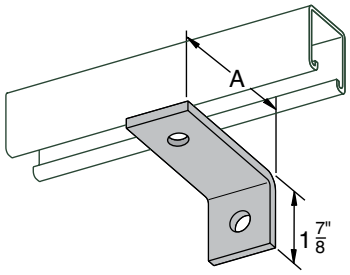
SLOTTED 90° ANGLE



Std Pkg 50 - Wt/100 pcs: 38 Lbs.

AS 2144 **EG, GR**

CORNER ANGLE

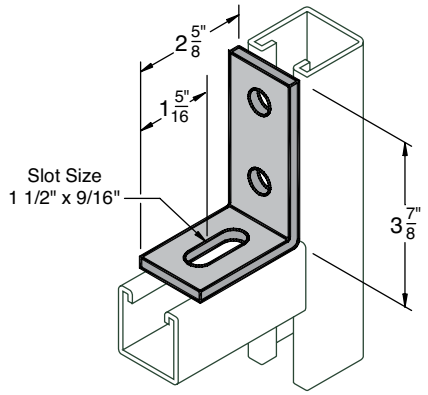


A	Wt./100 Pcs.
3"	48
3½"	53
4"	60

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 3049 **EG, GR**

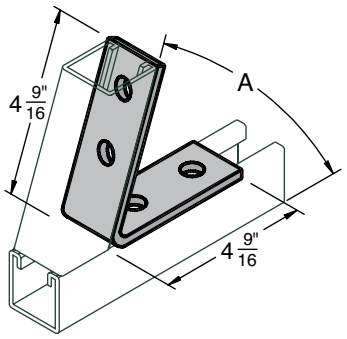
2-HOLE SLOTTED 90° CORNER CONNECTOR



Std Pkg 25 - Wt/100 pcs: 66 Lbs.

AS 793 **EG, GR**

4-HOLE CLOSED ANGLE CONNECTOR

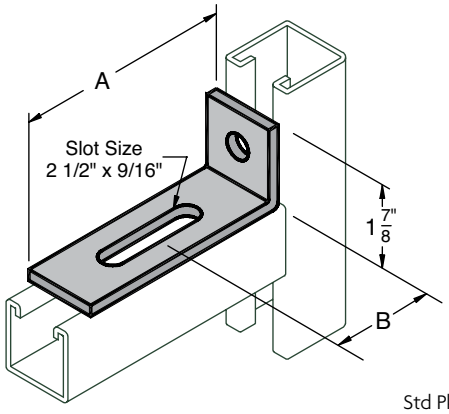


A
37½°
45°
52½°
60°
67½°
75°
82½°

Std Pkg 25 - Wt/100 pcs: 100 Lbs.

AS 763 & AS 764 **EG, GR**

SLOTTED ADJUSTMENT CORNER ANGLE



Catalog No.	A	B	Wt./100 Pcs.
AS 763	4 7/16"	2½"	58
AS 764	6 7/8"	4½"	85

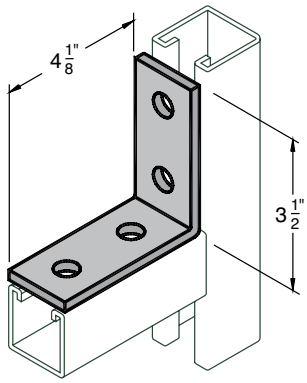
Std Pkg: 25 - Wt/100 pcs: See chart above.

Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 607 **EG, GR, ZTC**

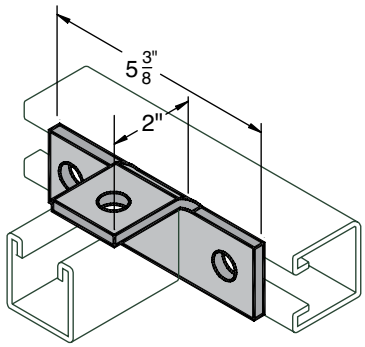
4-HOLE CORNER ANGLE



Std Pkg 25 - Wt/100 pcs: 78 Lbs.

AS 715 **EG, GR**

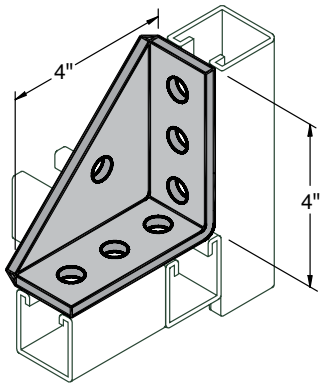
"T" PLATE - 90° ANGLE



Std Pkg 20 - Wt/100 pcs: 77 Lbs.

AS 3373 **EG, GR, ZTC**

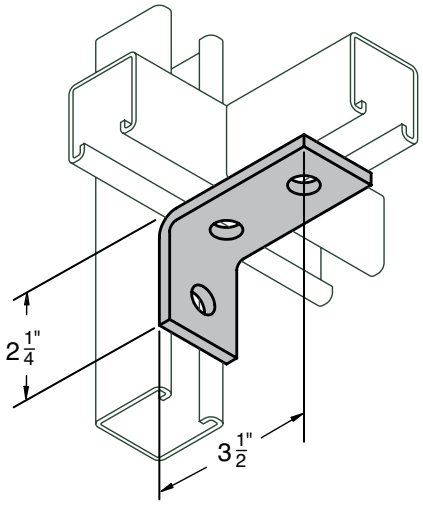
UNIVERSAL ANGLE BRACKET



Std Pkg 10 - Wt/100 pcs: 132 Lbs.

AS 605 **EG, GR, ZTC**

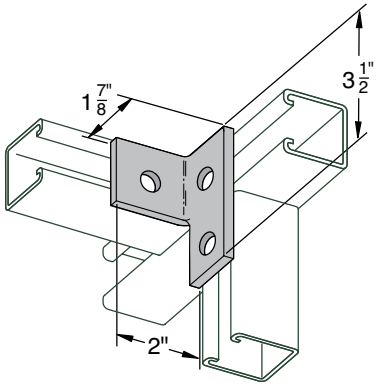
3-HOLE CORNER ANGLE



Std Pkg 25 - Wt/100 pcs: 57 Lbs.

AS 720 **EG, GR, ZTC**

RH & LH ANGLE PLATE CONNECTOR



Std Pkg 25 - Wt/100 pcs: 54 Lbs.

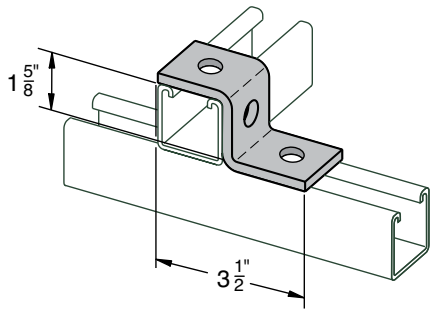
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 611 **EG, GR, ZTC**

"Z" SUPPORT

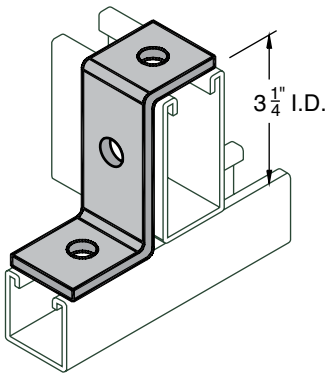


Use with AS 200, AS 210, & AS 500 BTB

Std Pkg 50 - Wt/100 pcs: 54 Lbs.

AS 756 **EG, GR, ZTC**

"Z" SUPPORT

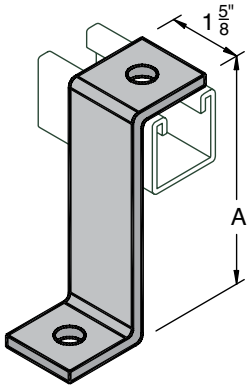


Use with AS 100, AS 200 BTB, & AS 210 BTB

Std Pkg 25 - Wt/100 pcs: 70 Lbs.

AS 3060 **EG, GR**

OFFSET CONNECTOR

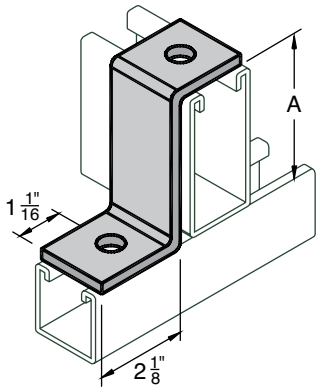


A	Wt./100 Pcs.
4"	77
5"	95
6"	98
7"	105
8"	120

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 612, AS 2601, AS 711, AS 928 **EG, GR, ZTC(AS 928 only)**

"Z" SUPPORT

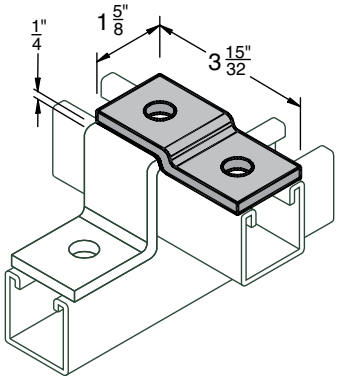


Catalog No.	A	Std. Pkg.	Wt./100 Pcs.	Use With
AS 612	1"	50	50	AS 400
AS 2601	2 7/16"	25	66	AS 150
AS 711	1 3/8"	25	53	AS 300
AS 928	13/16"	50	47	AS 500 & AS 520

Std Pkg & Wt/100 pcs: See chart above.

AS 609 **EG, GR**

2-HOLE OFFSET "Z" SUPPORT



Std Pkg 25 - Wt/100 pcs: 38 Lbs.

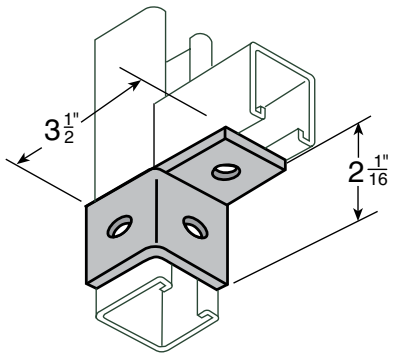
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 922 **EG, GR, ZTC**

RH & LH 2-HOLE SINGLE CORNER ANGLE CONNECTOR

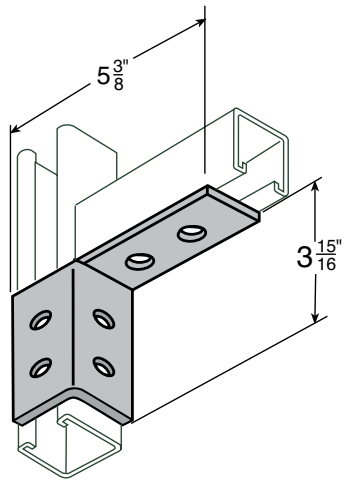


When ordering, Specify RH or LH

Std Pkg 20 - Wt/100 pcs: 60 Lbs.

AS 2128 **EG, GR**

RH & LH 6-HOLE CORNER CONNECTOR

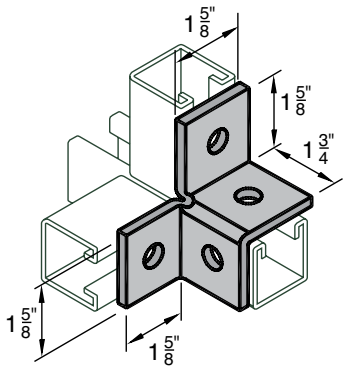


When ordering, Specify RH or LH

Std Pkg 10 - Wt/100 pcs: 119 Lbs.

AS 665 **EG, GR, ZTC**

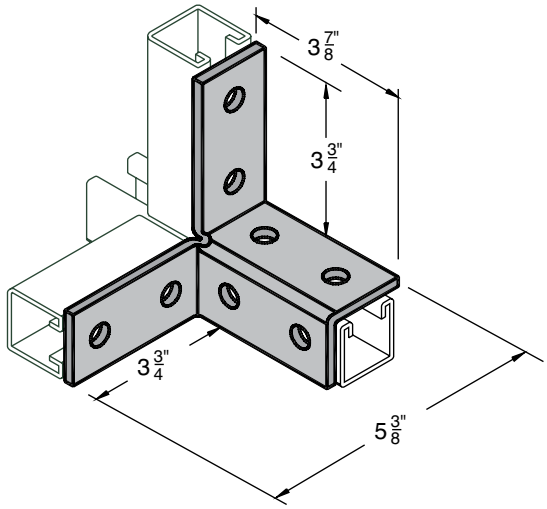
4-HOLE DOUBLE CORNER CONNECTOR



Std Pkg 25 - Wt/100 pcs: 76 Lbs.

AS 667 **EG, GR, ZTC**

8-HOLE DOUBLE CORNER CONNECTOR



Std Pkg 10 - Wt/100 pcs: 155 Lbs.

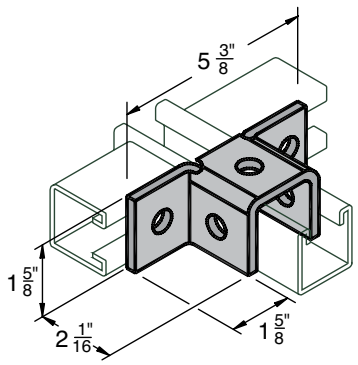
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 923 **EG, GR, ZTC**

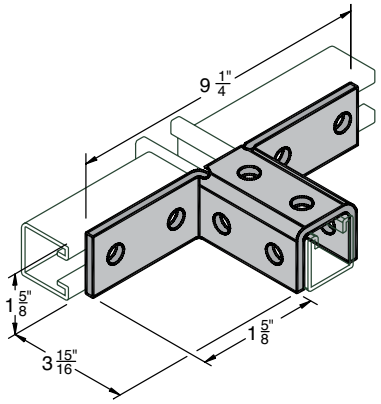
5-HOLE TWO ANGLE CONNECTOR



Std Pkg 25 - Wt/100 pcs: 93 Lbs.

AS 913 **EG, GR, ZTC**

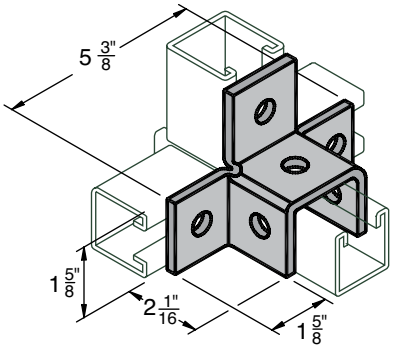
10-HOLE TWO ANGLE CLEVIS CONNECTOR



Std Pkg 10 - Wt/100 pcs: 193 Lbs.

AS 668 **EG, GR, ZTC**

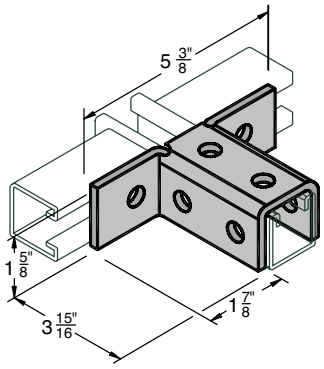
6-HOLE THREE ANGLE CONNECTOR



Std Pkg 10 - Wt/100 pcs: 113 Lbs.

AS 821 **EG, GR, ZTC**

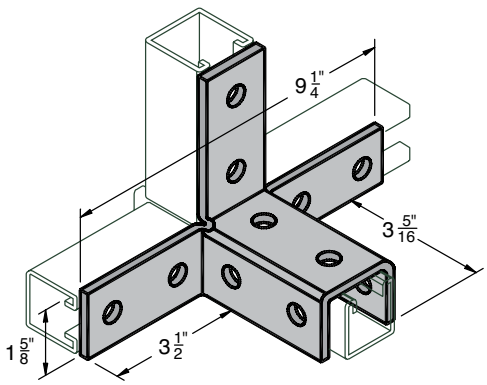
8-HOLE DOUBLE ANGLE CONNECTOR



Std Pkg 10 - Wt/100 pcs: 113 Lbs.

AS 669 **EG, GR, ZTC**

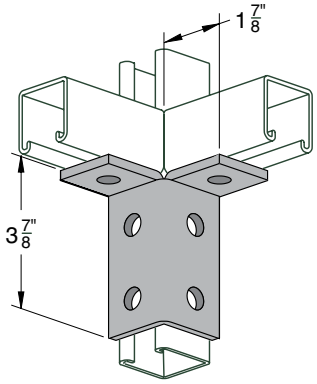
12-HOLE THREE ANGLE CLEVIS CONNECTOR



Std Pkg: 10 - Wt/100 pcs: 230 Lbs.

AS 666 **EG, GR, ZTC**

6-HOLE DOUBLE CORNER CONNECTOR



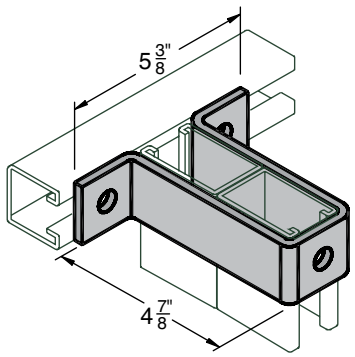
Std Pkg 25 - Wt/100 pcs: 115 Lbs.

Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 678 **EG, GR**

"U" SUPPORT

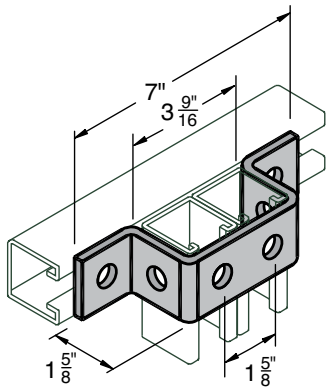


Use with AS 150 BTB

Std Pkg 10 - Wt/100 pcs: 157 Lbs.

AS 721 **EG, GR**

"U" SUPPORT

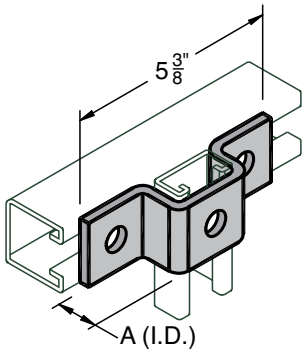


Use with AS 100, AS 200 BTB, AS 210 BTB

Std Pkg 25 - Wt/100 pcs: 105 Lbs.

AS 613, AS 679, AS 710, AS 929, AS 978, AS 2119, AS 2648 **EG, GR, ZTC (AS 613, AS 679, AS 929 Only)**

"U" SUPPORT



Catalog No.	A	Wt./100 Pcs.	Use With
AS 929	13/16"	70	AS 500 & AS 520
AS 978	1"	75	AS 400
AS 710	1 3/8"	84	AS 300
AS 613	1 5/8"	85	AS 500 BTB, AS 200, & AS 210
AS 2119	1 5/8"	95	AS 200 & AS 210
AS 2648	2 7/16"	108	AS 150
AS 679	3 1/4"	126	AS 100, AS 200 BTB, & AS 210 BTB

Std Pkg 25 - Wt/100 pcs: See chart above.

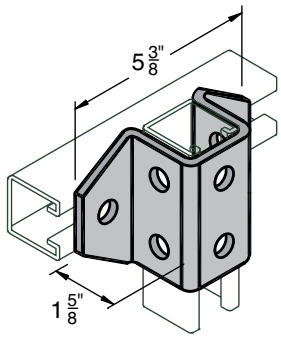
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 733 **EG, GR**

6-HOLE "U" SUPPORT

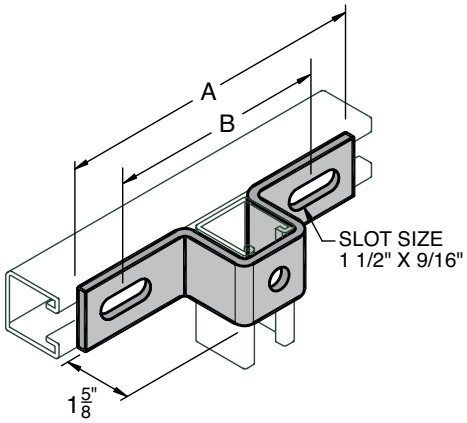


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 167 Lbs.

AS 687 **EG, GR**

SLOTTED "U" SUPPORT



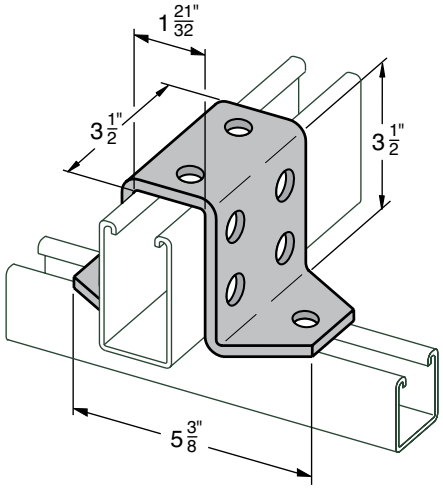
Catalog No.	A	B	Wt./100 Pcs.
AS 687 A	7¼"	4⅛"	103
AS 687 B	8½"	5⅜"	115
AS 687 C	10⅜"	7¼"	135

Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: See chart above.

AS 735 **EG, GR**

8-HOLE "U" SUPPORT

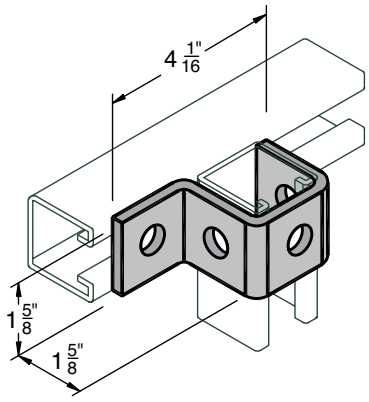


Use with AS 200 BTB

Std Pkg 10 - Wt/100 pcs: 266 Lbs.

AS 677 **EG, GR**

CUP SUPPORT FOR STANDARD SINGLE STRUT



Use with AS 200 & AS 210

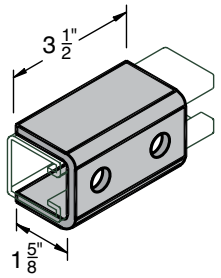
Std Pkg 25 - Wt/100 pcs: 88 Lbs.

Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 631 **EG, GR**

2-HOLE SPLICE CLEVIS

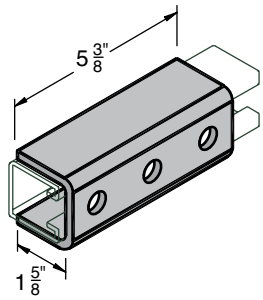


Use with AS 200 & AS 210

Std Pkg 25 - Wt/100 pcs: 123 Lbs.

AS 629 **EG, GR**

3-HOLE SPLICE CLEVIS

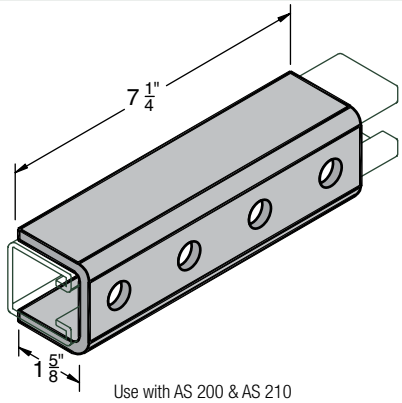


Use with AS 200 & AS 210

Std Pkg 20 - Wt/100 pcs: 195 Lbs.

AS 616 **EG, GR, ZTC**

4-HOLE SPLICE CLEVIS

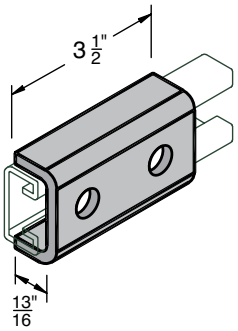


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 233 Lbs.

AS 644 **EG, GR**

2-HOLE SPLICE CLEVIS

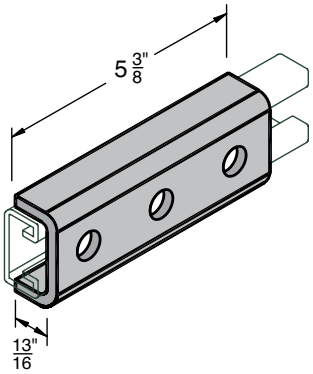


Use with AS 500 & AS 520

Std Pkg 20 - Wt/100 pcs: 76 Lbs.

AS 645 **EG, GR**

3-HOLE SPLICE CLEVIS

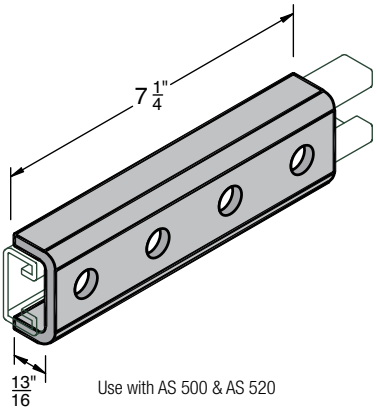


Use with AS 500 & AS 520

Std Pkg 10 - Wt/100 pcs: 116 Lbs.

AS 646 **EG, GR, ZTC**

4-HOLE SPLICE CLEVIS



Use with AS 500 & AS 520

Std Pkg 10 - Wt/100 pcs: 128 Lbs.

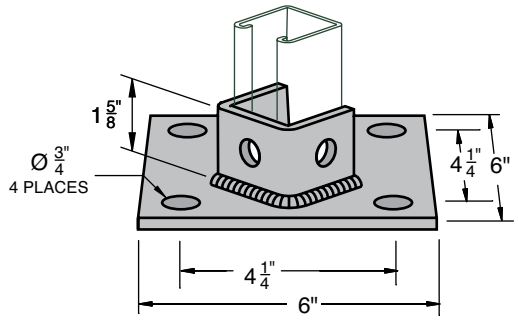
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3013 **EG, GR**

SINGLE POST BASE

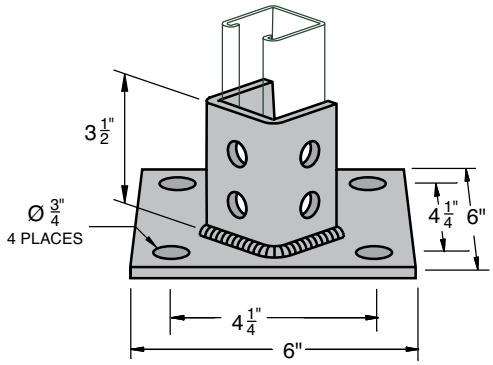


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 307 Lbs.

AS 3033 **EG, GR, ZTC**

SINGLE POST BASE

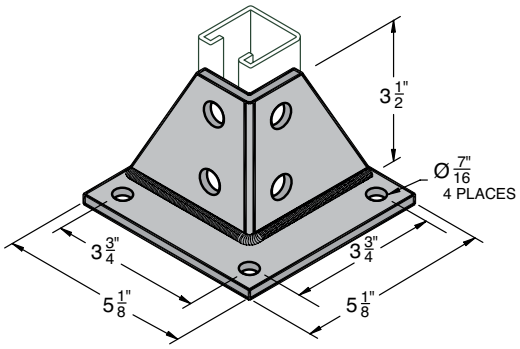


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 373 Lbs.

AS 3040 **EG, GR**

POST BASE

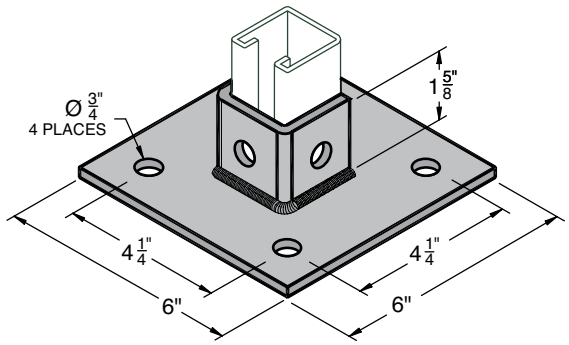


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 297 Lbs.

AS 3013SQ **EG, GR**

SINGLE POST BASE

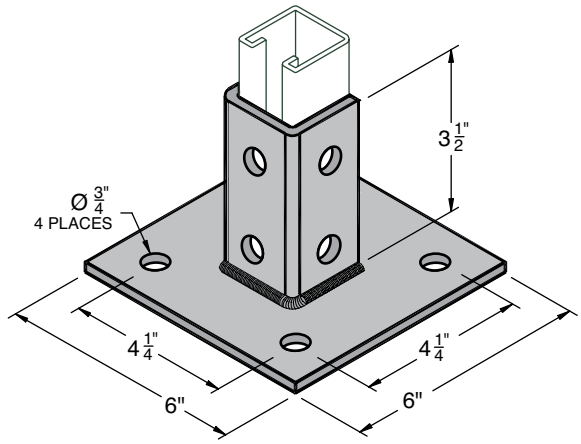


Use with AS 200 & AS 210

Std Pkg 5 - Wt/100 pcs: 314 Lbs.

AS 3033SQ **EG, GR, ZTC**

SINGLE POST BASE



Use with AS 200 & AS 210

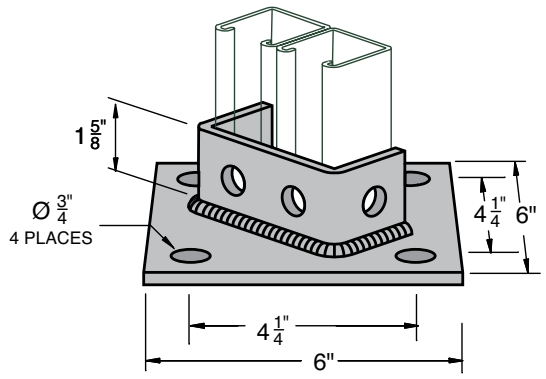
Std Pkg 10 - Wt/100 pcs: 392 Lbs.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3029 **EG, GR**

DOUBLE POST BASE

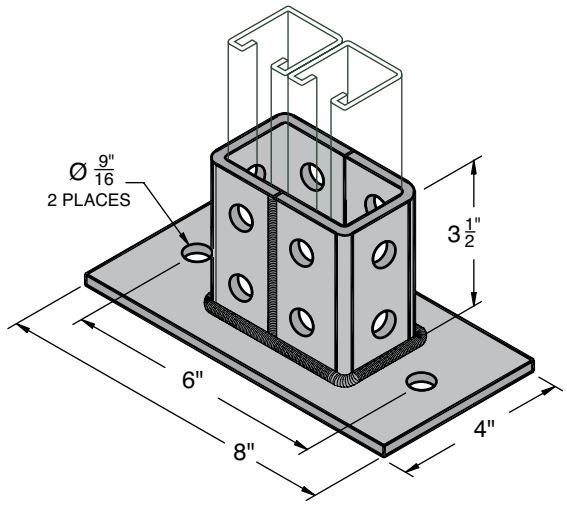


Use with all 3¼" Channels

Std Pkg 5 - Wt/100 pcs: 325 Lbs.

AS 2064 **EG, GR**

DOUBLE COLUMN POST BASE

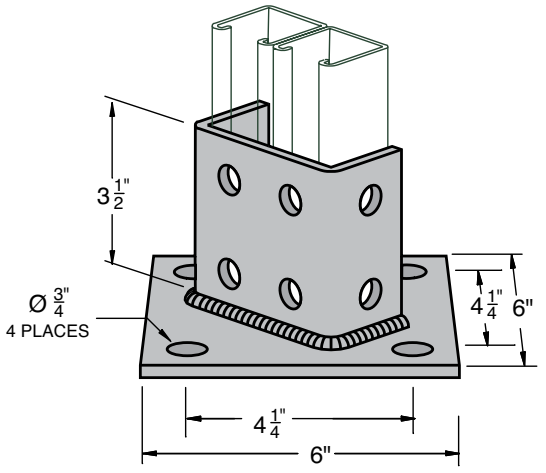


Use with AS 100, AS 200 BTB, AS 200 STS, AS 200 BTS, & AS 200 STSR

Std Pkg 5 - Wt/100 pcs: 311 Lbs.

AS 3064 **EG, GR, ZTC**

DOUBLE POST BASE

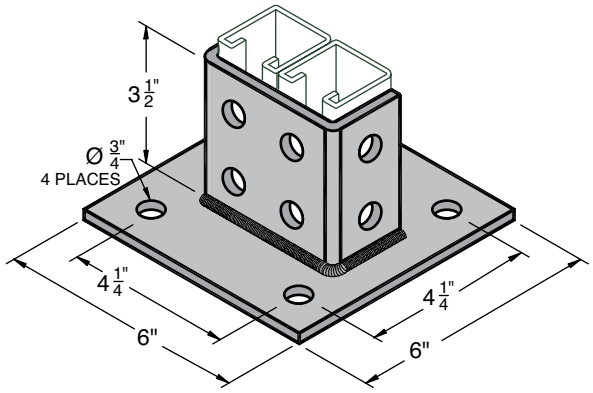


Use with all 3¼" Channels

Std Pkg 10 - Wt/100 pcs: 408 Lbs.

AS 3064SQ **EG, GR**

DOUBLE POST BASE



Use with all 3¼" Channels

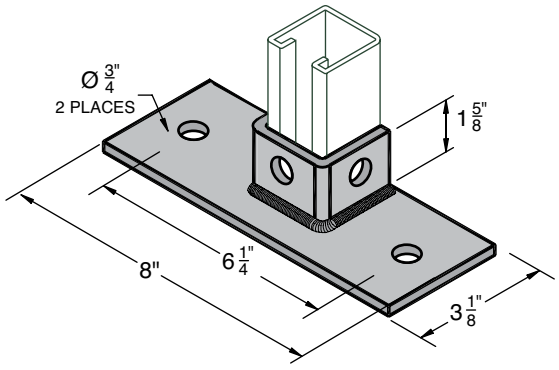
Std Pkg 10 - Wt/100 pcs: 408 Lbs.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3013FL **EG, GR**

SINGLE POST BASE

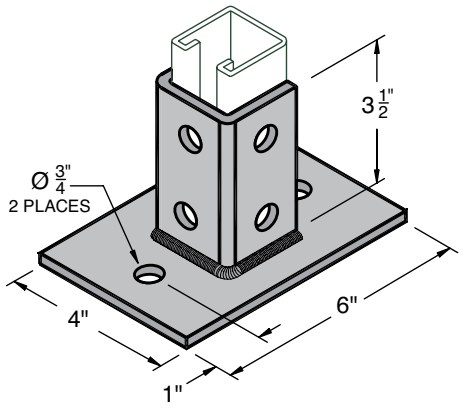


Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 230 Lbs.

AS 3025 **EG, GR**

SINGLE POST BASE



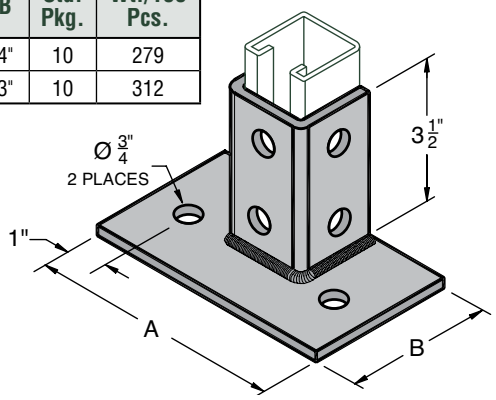
Use with AS 200 & AS 210

Std Pkg 10 - Wt/100 pcs: 358 Lbs.

AS 3025FL **EG, GR**

SINGLE POST BASE

A	B	Std. Pkg.	Wt./100 Pcs.
6"	4"	10	279
8"	3"	10	312



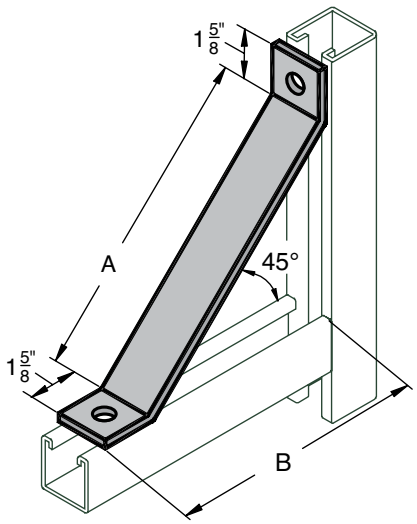
6" or 8" available
Use with AS 200 & AS 210

Std Pkg & Wt/100 pcs: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 926 **EG, GR**

STRUT BRACE

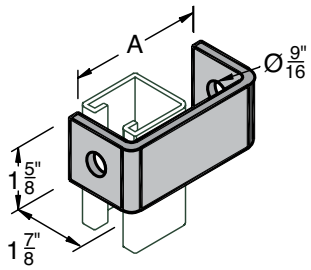


A	B	Std. Pkg.	Wt./100 Pcs.
24"	–	Bulk	280
16 5/8"	13 5/8"	10	232
12"	10 1/8"	15	175

Std Pkg & Wt/100 pcs: See chart above.

AS 993 **EG, GR**

INSIDE CLEVIS

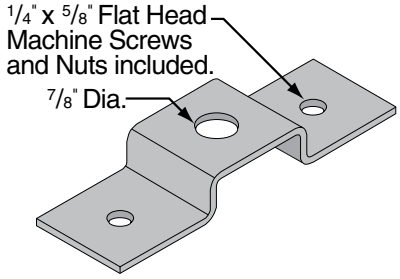


A	Std. Pkg.	Wt./100 Pcs.
4"	25	89
5"	25	93
6"	25	106
7"	25	118
8"	20	132

Std Pkg & Wt/100 pcs: See chart above.

AS 2560, AS 2561 **EG**

CONDUIT CONNECTOR FITTING ASSEMBLY



Catalog No.	Use With	Std. Pkg.	Wt./100 Pcs.
AS 2560	½" Conduit	50	36
AS 2561	¾" Conduit	25	36

Std Pkg & Wt/100 pcs: See chart above.

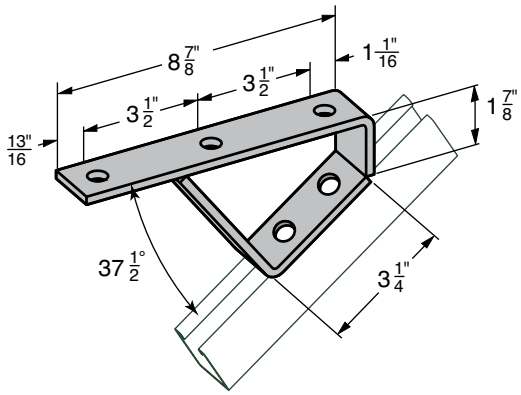
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 2422 **GR, HG**

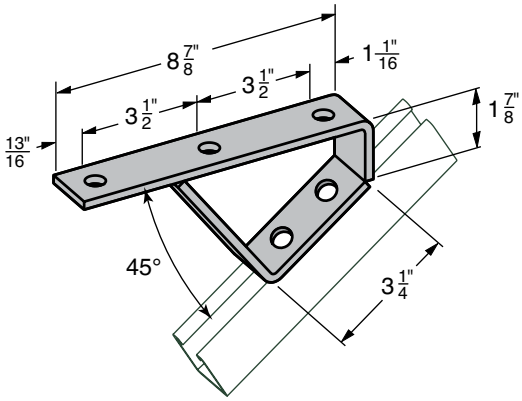
37½° STAIR SUPPORT



Std Pkg 25 - Wt/100 pcs: 206 Lbs.

AS 2421 **GR, HG**

45° STAIR SUPPORT

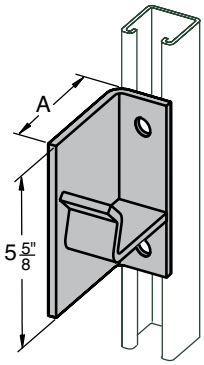


Std Pkg 20 - Wt/100 pcs: 220 Lbs.

AS 825 **EG, GR**

RH & LH PIPE AXLE SUPPORT

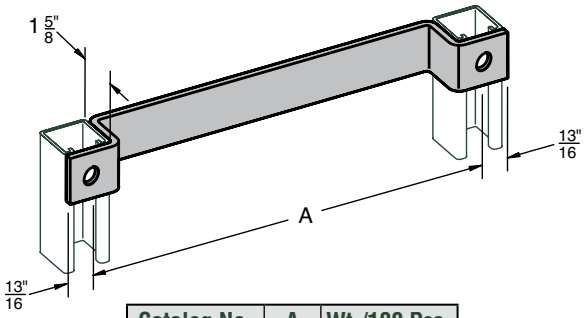
Catalog No.	A	Wt./100 Pcs.
AS 825LH	3⅝"	220
AS 825RH	3⅝"	220



Std Pkg 10 - Wt/100 pcs: See chart above.

AS 2401 thru AS 2403 **GR, HG**

LADDER RUNG

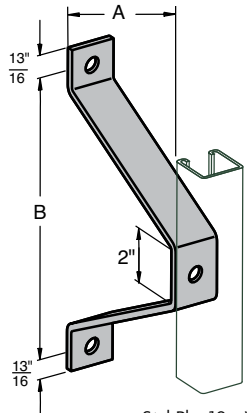


Catalog No.	A	Wt./100 Pcs.
AS 2401	12"	170
AS 2402	15"	202
AS 2403	18"	234

Std Pkg 10 - Wt/100 pcs: See chart above.

AS 2404 thru AS 2408 **GR, HG**

WALL LADDER BRACKET



Catalog No.	A	B	Wt./100 Pcs.
AS 2404	2⅜"	6"	110
AS 2405	4⅜"	8"	164
AS 2406	6⅜"	10"	200
AS 2407	8⅜"	12"	253
AS 2408	10⅜"	14"	328

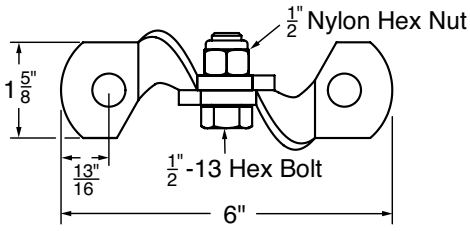
Std Pkg 10 - Wt/100 pcs: See chart above.

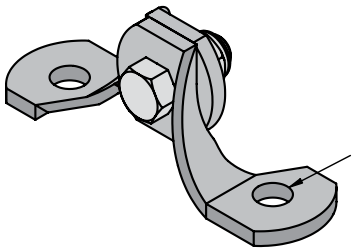
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 9402 **EG**

2-HOLE HINGE CONNECTOR



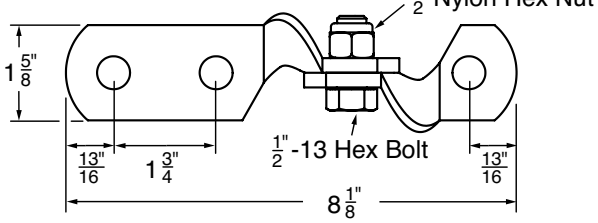


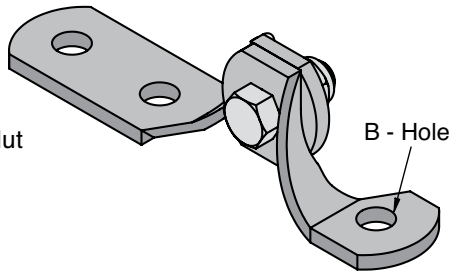
B	Wt./ 100 Pcs.
½"	90
⅝"	88
¾"	86

Std Pkg 15 - Wt/100 pcs: See chart above.

AS 9403 **EG**

3-HOLE HINGE CONNECTOR



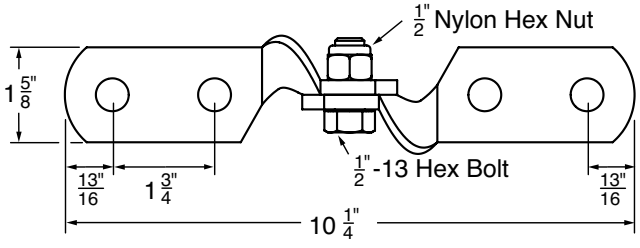


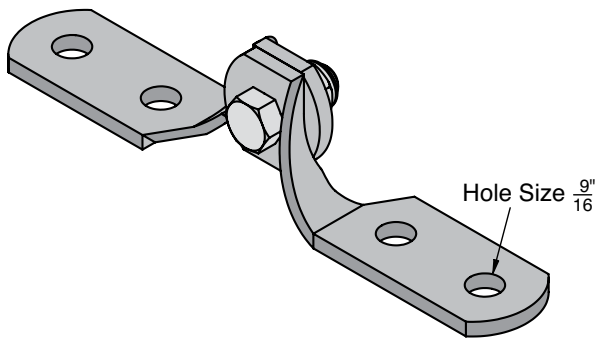
B	Wt./ 100 Pcs.
½"	108
⅝"	107
¾"	106

Std Pkg 15 - Wt/100 pcs: See chart above.

AS 9404 **EG**

4-HOLE HINGE CONNECTOR





Std Pkg 10 - Wt/100 pcs: 126 Lbs.

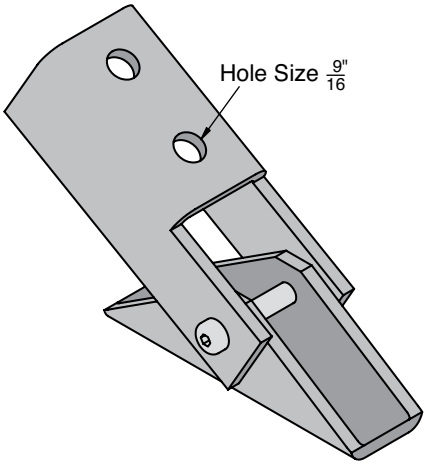
Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9/16" diameter, spaced 1⅞" on center and 13/16" from end.

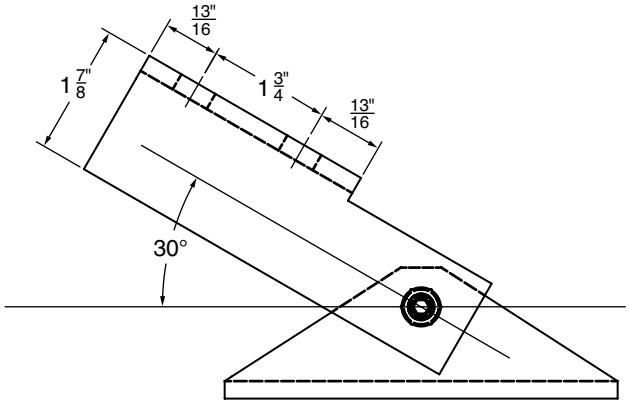
LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 9400 & AS 9401 | **EG, GR**

ADJUSTABLE BASES





Catalog No.	Description	Std. Pkg.	Wt./100 Pcs.
AS 9400	Adjustable Base	10	307
AS 9401	Double Adjustable Base	5	497

Std Pkg & Wt/100 pcs: See chart above.

Page notes unless otherwise specified: ¼" thick, 1⅝" wide, holes 9⁄16" diameter, spaced 1⅞" on center and 13⁄16" from end.

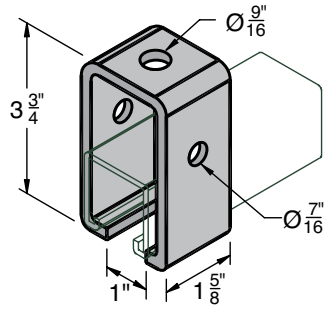
Trolleys & Accessories

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 2528 **EG, GR**

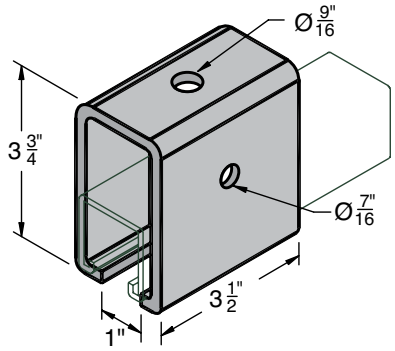
TROLLEY BEAM STANDARD SUPPORT



Std Pkg 10 - Wt/100 pcs: 107 Lbs.

AS 2528-1 **EG, GR**

TROLLEY BEAM JOINT SUPPORT

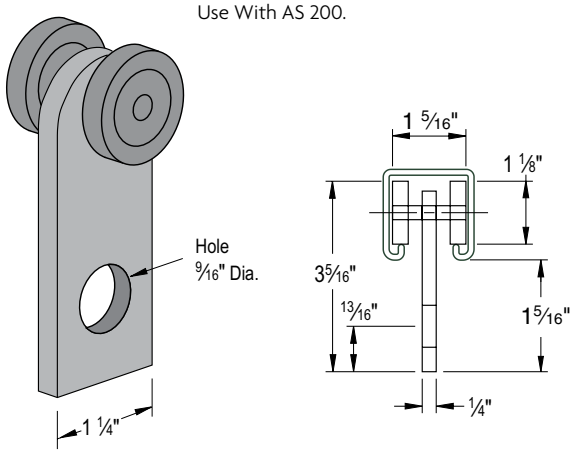


Std Pkg 10 - Wt/100 pcs: 233 Lbs.

AS 2521 **EG**

TWO WHEEL TROLLEY

Use With AS 200.

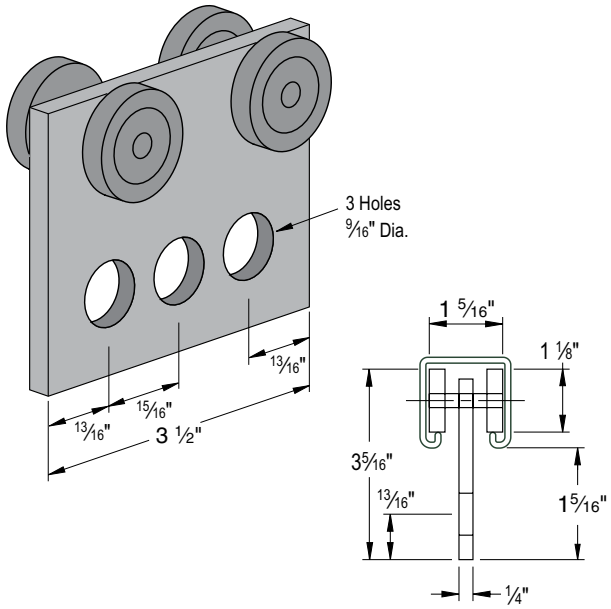


Stainless Steel Ball Bearings
* Based on standard dimensions for channel
Std Pkg: 20 · Wt/100 pcs: 46 lbs.

AS 2522 **EG**

FOUR WHEEL TROLLEY

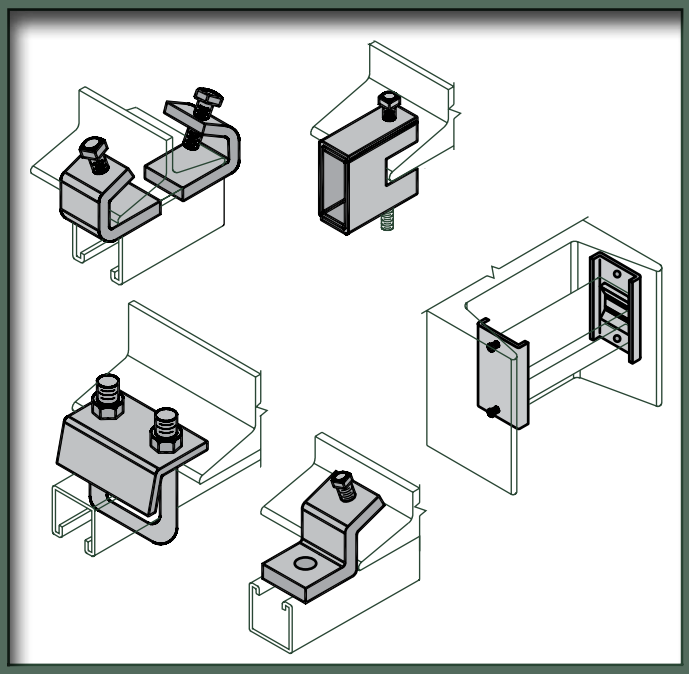
Use With AS 200.



Stainless Steel Ball Bearings
* Based on standard dimensions for channel
Std Pkg: 10 · Wt/100 pcs: 110 lbs.

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

BEAM CLAMPS



Specifications

GENERAL

Anvil-Strut Beam Clamps are designed to secure all Anvil-Strut 1⅝" wide channels, or threaded rod, to beams or supports for the purpose of running piping, conduit or tubing. All Anvil-Strut fittings are manufactured from ¼" thick carbon steel or cast malleable iron.

The more popular beam clamps are illustrated on the following pages. However, there are hundreds of others available. Please contact Anvil for any other clamps you may need.

ORDERING

Please specify catalog number and finish.

MATERIAL

Anvil-Strut fittings are manufactured from the following material:

Hot Rolled Steel Sheet	ASTM A-1101
Cold Rolled Steel Sheet	ASTM A-1008
Stainless Steel-Type 304/316	ASTM A-240
Malleable Cast Iron	

FINISH

Anvil-Strut pipe clamps are available in the following finishes:

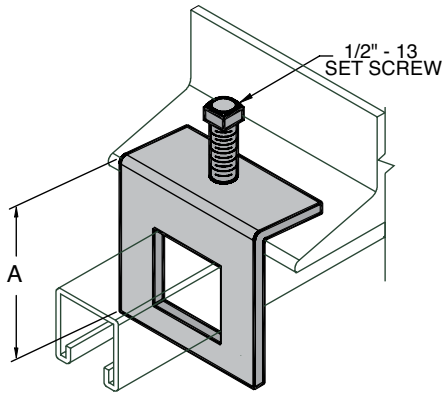
Electro-Galvanized	ASTM B-633
Hot Dipped Galvanized	ASTM A-123
Zinc Trivalent Chromium	ASTM B-633-85
Powder Coated Supr-Green	ASTM B-117
PVC Coating - Available Upon Request	

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 855 **EG, GR**

ANGULAR "I" BEAM CLAMP

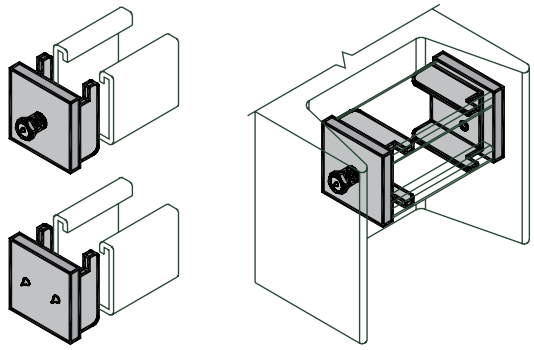


Catalog No.	Use With	A	Load Rating	Wt./100 Pcs.
AS 855 1	AS 200, AS210	3½"	500	107
AS 855 2	AS 500	2 11/16"	500	98

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 2654 **EG, GR**

COLUMN ATTACHMENT



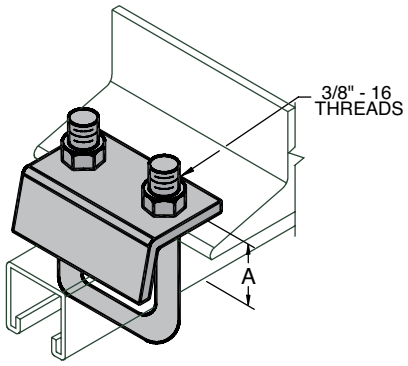
Catalog No.	Use With	Wt./100 Pcs.
AS 2654	AS 200	53 (pair)

Sold only in pairs

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 2651 **EG, ZTC**

BEAM CLAMP

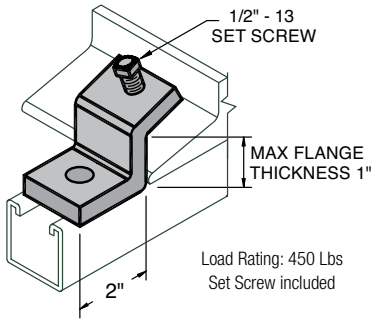


Catalog No.	A	Load Rating	Wt./100 Pcs.
AS 2651 T1	3"	1000 Lbs	89
AS 2651 T2	5"	–	92

Std Pkg 25 - Wt/100 pcs: See chart above.

AS 685 **EG, GR**

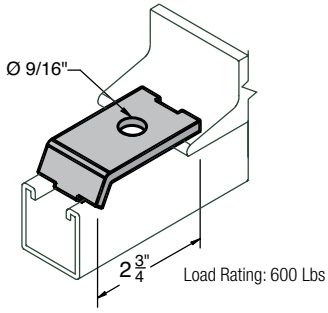
BEAM CLAMP



Std Pkg 20 - Wt/100 pcs: 66 Lbs.

AS 686 **EG, GR**

BEAM CLAMP



Std Pkg 50 - Wt/100 pcs: 30 Lbs.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

Fig. 86

CLAMP WITH LOCK NUT

Size Range 3/8" thru 3/4".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 93

TOP BEAM "C" CLAMP

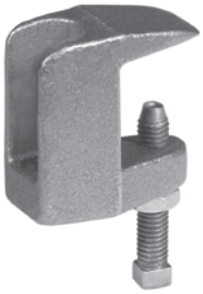
Size Range 3/8" thru 1/2".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 94

TOP BEAM "C" CLAMP

Size Range 5/8" thru 3/4".

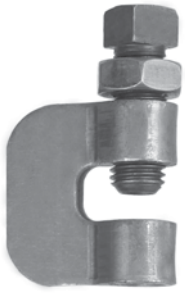


For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 95

CLAMP WITH LOCK NUT

Size Range 3/8" thru 3/4".

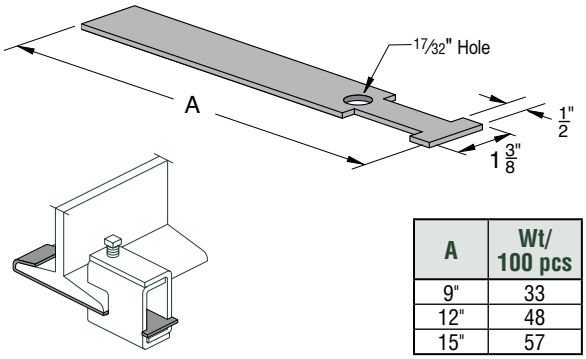


For additional information, please refer to the Anvil Pipe Hanger Catalog.

AS 871 **EG**

SAFETY ANCHOR STRAP

(For Heavy Duty Beam Clamps.) Use with AS 858, AS 865
(Cannot Be Used With 5/8" Rod Size Beam Clamps and Larger).



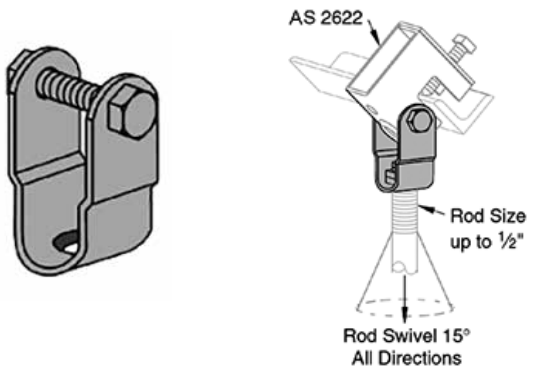
A	Wt/ 100 pcs
9"	33
12"	48
15"	57

Std Pkg: Bulk · Wt/100 pcs: See chart above.

AS 2623 **EG**

SWIVEL ADAPTER

Use With AS 2622 Beam Clamp.



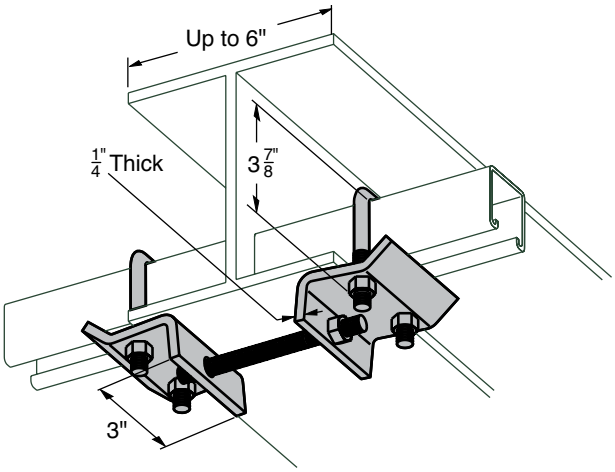
Std Pkg: 50 · Wt/100 pcs: 31 lbs.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 2657 **EG**

DOUBLE "U" BOLT BEAM CLAMP



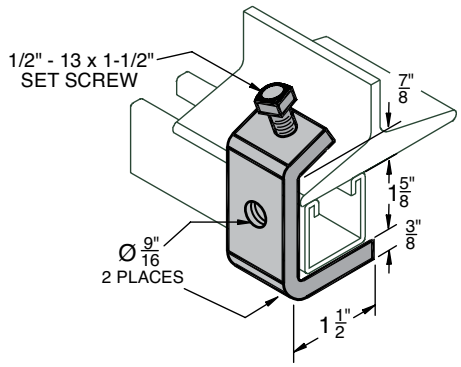
Catalog No.	Std. Pkg.	Wt./100 Pcs.
AS 2657 T1 6	10	204
AS 2657 T1 12	10	210
AS 2657 T2 6	10	226
AS 2657 T2 12	10	232

Specify 6" or 12" flange width
T1 Use with AS 200, AS 210, AS 300, AS 400, AS 500, AS 520
T2 Use with AS 100, AS 150, AS 200 BTB

Std Pkg & Wt/100 pcs: See chart above.

AS 684 **EG, GR**

BEAM CLAMP

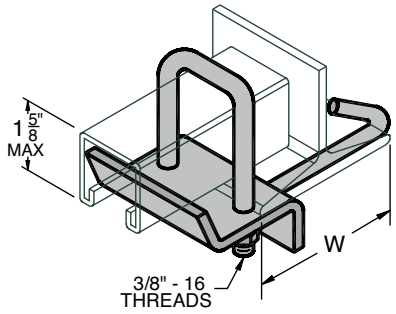


Set Screw included

Std Pkg 25 - Wt/100 pcs: 92 Lbs.

AS 2656 **EG**

"U" BOLT BEAM CLAMP WITH HOOK



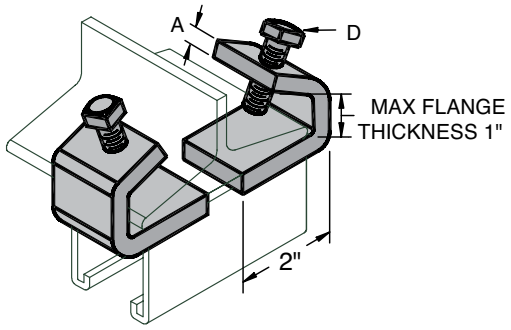
Catalog No.	Std. Pkg.	Wt./100 Pcs.
AS 2656 T1 6	10	130
AS 2656 T1 12	10	142
AS 2656 T2 6	10	141
AS 2656 T2 12	10	153

Specify 6" or 12" flange width
T1 Use with AS 200, AS 210, AS 300, AS 400, AS 500, AS 520
T2 Use with AS 100, AS 150, AS 200 BTB

Std Pkg & Wt/100 pcs: See chart above.

AS 907 & AS 998 **EG, GR(AS 907 Only)**

"I" BEAM CLAMP



Catalog No.	A	Flange Thickness	D	Std. Pkg.	Wt./100 Pcs.
AS 907	1/4"	Up to 3/4"	3/8" - 16 x 1 1/2"	50	41
AS 998	3/8"	Up to 3/4"	1/2" - 13 x 1 1/2"	25	62

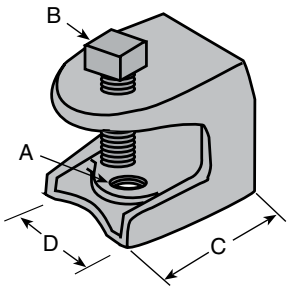
Set Screw Included

Std Pkg & Wt/100 pcs: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 85 **EG**

ROD OR INSULATOR SUPPORT



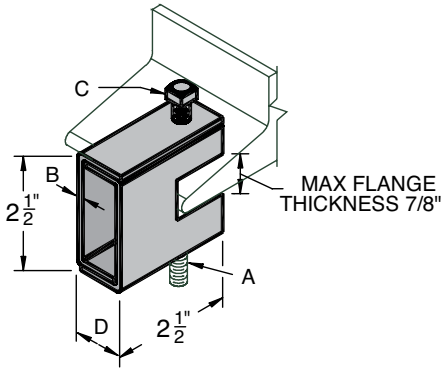
Rod Size A	Set Screw B	C	D	Load Lbs.	Std. Pkg.	Wt./100 Pcs.
¼-20	5/16-18	1 3/8"	1 3/16"	150	50	24
3/8-16	½-13	1 7/8"	1 3/16"	350	25	65
½-13	½-13	2 3/8"	2 ½"	1000	25	130

Material: Malleable Iron
Application: Rod support for beams with a flange thickness of ½" max.
Ordering: Specify part number and rod size

Std Pkg & Wt/100 pcs: See chart above.

AS 858 **EG**

HEAVY DUTY SUSPENSION ROD BEAM CLAMP



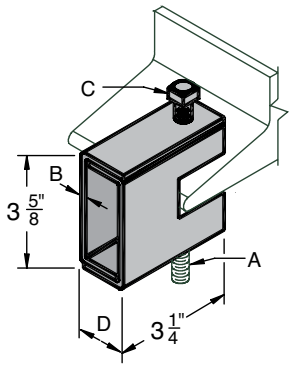
A	B	C	D	Wt./100 Pcs.	Design Load
¼"-20	⅛"	3/8" x 1½"	7/8"	67	650
5/16"-18	⅛"	3/8" x 1½"	7/8"	67	650
3/8"-16	3/16"	½" x 1½"	15/16"	100	1100
½"-13	¼"	½" x 1½"	15/16"	100	1600
5/8"-11	5/16"	5/8" x 1½"	1 15/16"	160	2400
¾"-10	5/16"	5/8" x 1½"	1 15/16"	160	2400

Set Screw included

Std Pkg 10 - Wt/100 pcs: See chart above.

AS 865 **EG**

WIDE THROAT HEAVY DUTY BEAM CLAMP

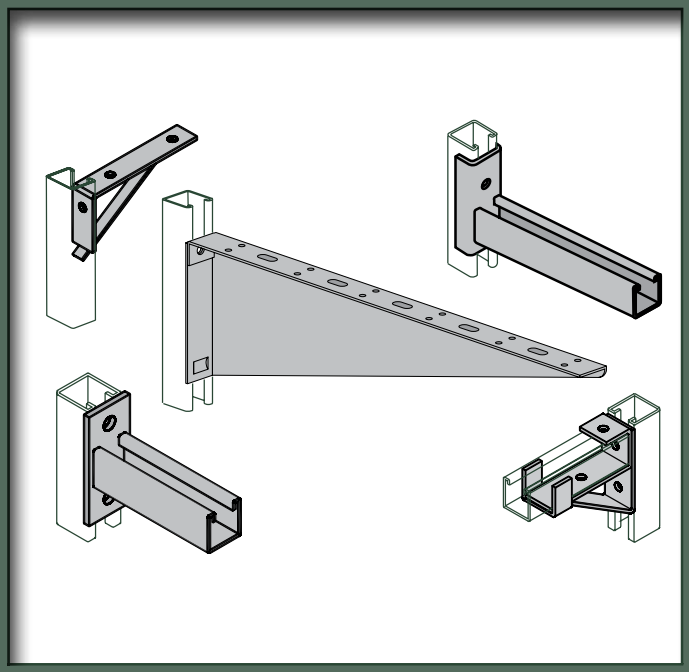


A	B	C	D	Wt./100 Pcs.	Design Load
¼"-20	⅛"	3/8" x 2"	1 21/32"	109	800
3/8"-16	3/16"	½" x 2"	1 11/16"	156	1300
½"-13	¼"	½" x 2"	1 11/16"	201	1900

For beams between ¾" to 1⅝" thick flanges.

Set Screw included

Std Pkg 10 - Wt/100 pcs: See chart above.



SPECIFICATIONS

GENERAL

Anvil-Strut Brackets are designed to support pipe or conduit either suspended from threaded rod or supported as a cantilever from the wall. Note: These brackets can also be used in conjunction with electrical fittings.

Hot Rolled Steel Sheet	ASTM A-1011
Cold Rolled Steel Sheet	ASTM A-1008
Stainless Steel-Type 304/316	ASTM A-240
Aluminum	ASTM B-221

MATERIAL

Anvil-Strut Hanging Supports are produced from our standard channels. All hole dimensions are 9⁄16" diameter, which are located on the trapezes 1" from the end. Holes are located 13⁄16" from the end, 1 7⁄8" on centers on the brackets.

FINISH

Anvil-Strut brackets are available in the following finishes:

Electro-Galvanized	ASTM B-633
Hot Dipped Galvanized	ASTM A-123
Zinc Trivalent Chromium	ASTM B-633-85
Powder Coated Supr-Green	ASTM B-117
PVC Coating - Available Upon Request	

ORDERING

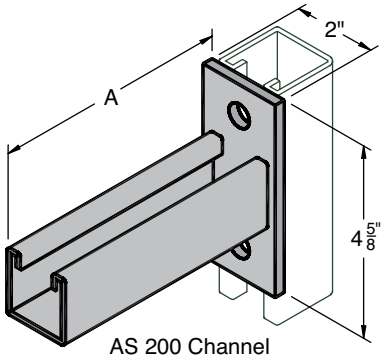
Specify catalog number, length and finish.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 651 **EG, GR, ZTC**

REVERSIBLE STRUT BRACKET



A	Std. Pkg.	Uniform Load Capacity (Lbs)
6"	Bulk	1,932
12"	Bulk	1,107
18"	10	759
24"	Bulk	332

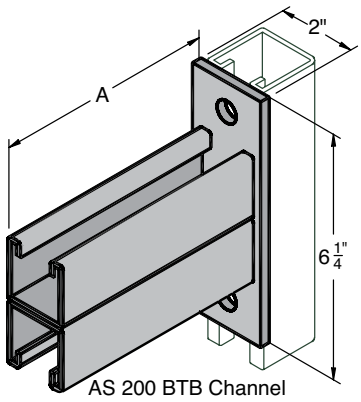
Note: 1. Loads Based On Actual Independent Lab Testing On 12 Gage Channel
2. Safety Factor = 2.5

Ordering: Specify Part number, length (A) and finish

Std Pkg: See chart above.

AS 809 **EG, GR, ZTC**

DOUBLE CHANNEL BRACKET



A	Uniform Load Capacity (Lbs)
12"	1,621
18"	1,234
24"	905
30"	727
36"	600

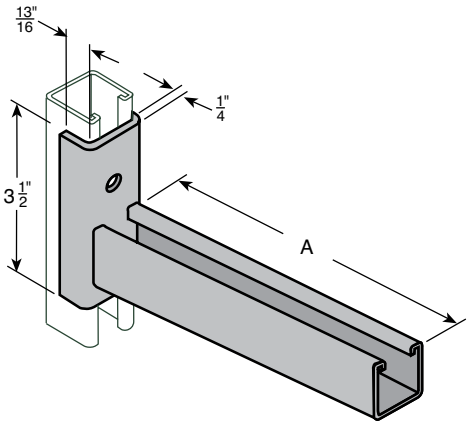
Note: 1. Loads Based On Actual Independent Lab Testing On 12 Gage Channel
2. Safety Factor = 2.5

Ordering: Specify Part number, length (A) and finish

Std Pkg Bulk

AS 661 T1 **GR**

STRUT BRACKET (SLOT UP)

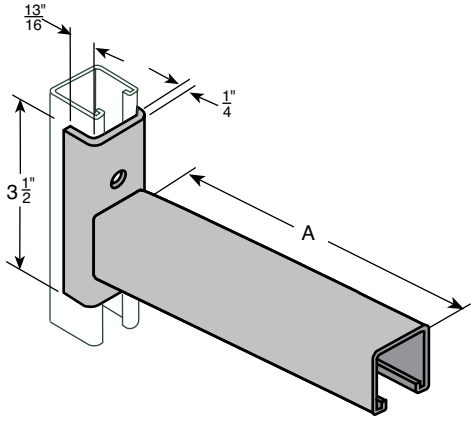


A	Wt./100 Pcs.
6"	191
12"	291
18"	436
24"	536

Std Pkg Bulk - Wt/100 pcs: See chart above.

AS 661 T2 **GR**

STRUT BRACKET (SLOT DOWN)



A	Wt./100 Pcs.
6"	191
12"	291
18"	436
24"	536

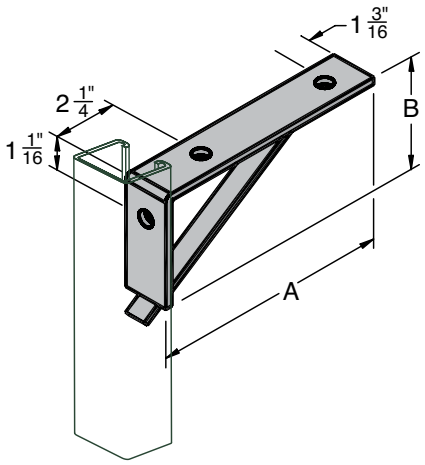
Std Pkg Bulk - Wt/100 pcs: See chart above.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 732 **GR**

SHELF BRACKET

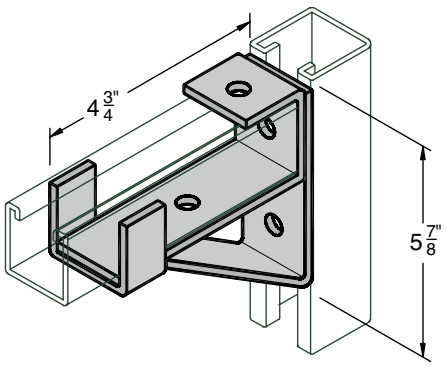


Size	A	B	Uniform Load*	Wt./100 Pcs.
8"	8½"	4"	800	168
10"	10½"	4"	800	202
12"	12½"	6"	900	258
14"	14½"	6"	900	292
16"	16½"	6"	1,200	381
18"	18½"	6"	1,200	416
20"	20½"	6"	1,000	461

Std Pkg Bulk - Wt/100 pcs: See chart above.

AS 708 **EG, GR**

SINGLE CHANNEL BRACKET SUPPORT

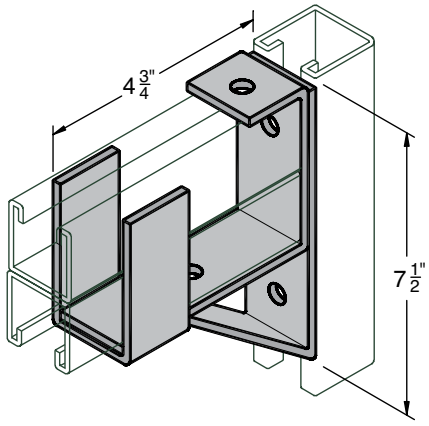


Use with AS 200 and AS 210

Std Pkg 20 - Wt/100 pcs: 230 Lbs.

AS 3164 **EG, GR**

DOUBLE CHANNEL BRACKET SUPPORT



Use with AS 200 BTB and AS 210 BTB

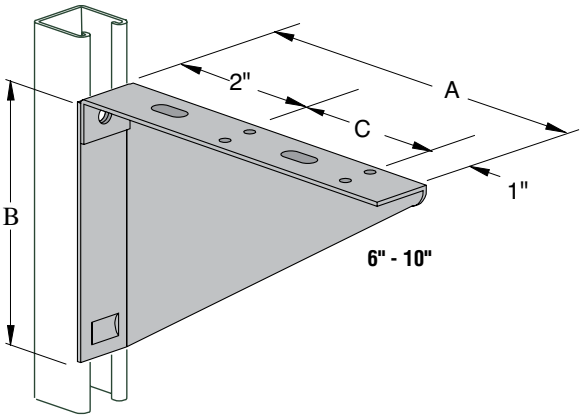
Std Pkg 10 - Wt/100 pcs: 275 Lbs.

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

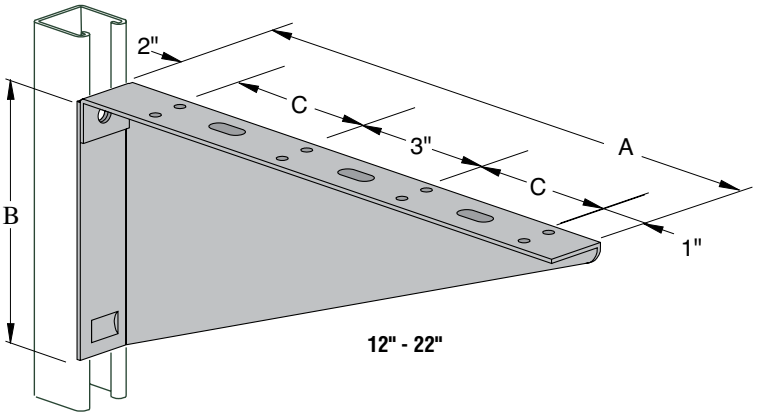
AS 838 **EG, GR**

RH & LH SHELF BRACKET (RIGHT HAND SHOWN)



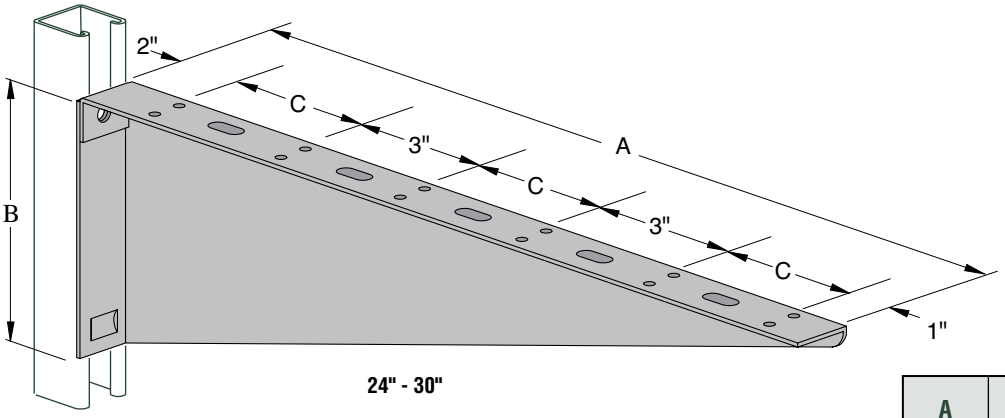
6" - 10"

A	B	C	Std. Pkg.	Wt./100 Pcs.
6"	2 15/16"	3"	25	56
8"	2 15/16"	5"	25	82
10"	2 15/16"	7"	25	112



12" - 22"

A	B	C	Std. Pkg.	Wt./100 Pcs.
12"	3 7/16"	3"	25	134
14"	3 15/16"	4"	25	185
16"	4 7/16"	5"	20	198
18"	4 15/16"	6"	20	218
20"	5 7/16"	7"	20	258
22"	5 15/16"	8"	–	348

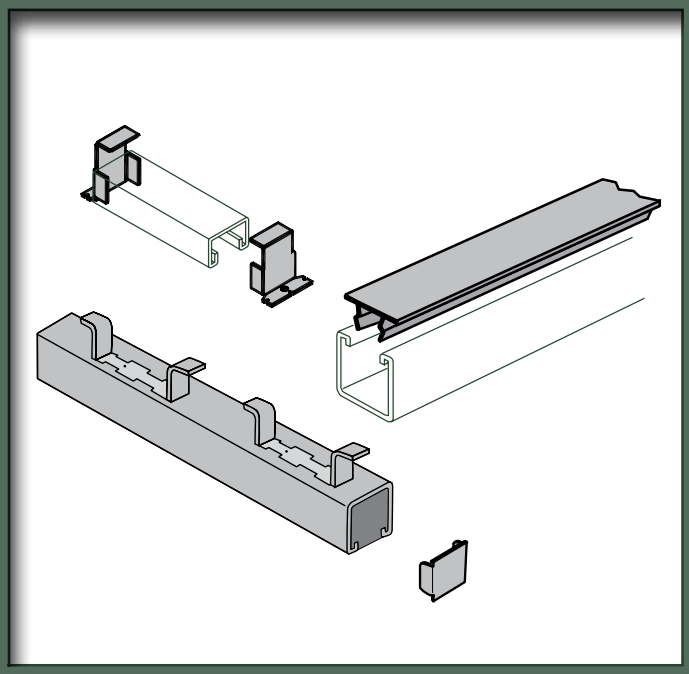


24" - 30"

A	B	C	Std. Pkg.	Wt./100 Pcs.
24"	6 7/16"	5"	–	400
26"	6 15/16"	5 11/16"	–	445
28"	7 7/16"	6 5/16"	–	493
30"	7 15/16"	7"	–	545

Std Pkg & Wt/100 pcs: See chart above.

CONCRETE INSERTS



SPECIFICATIONS

GENERAL

Anvil-Strut Concrete Inserts are designed for the attachment or suspension of framing, piping or equipment to concrete structures where a continuous insert slot is required.

Continuous Concrete Inserts are nailed to the forms through the knockout holes provided in the closure cap. Nails may be cut off after removal of the forms.

MATERIAL

Anvil-Strut Concrete Inserts and Accessories are produced from prime steel covering the following specifications:

Hot Rolled Carbon Steel . . . . . .ASTM A-1011-04-SS
Cold Rolled Carbon Steel. . . . . .ASTM A-1008
Stainless Steel - Type 304/316. . . .ASTM A-240

FINISH

Anvil-Strut Concrete Inserts and Accessories are stocked in the following finishes:

Pre-Galvanized . . . . . .ASTM A-653-G90
Hot Dipped Galvanized . . . . . .ASTM A-123
Electro Galvanized . . . . . .ASTM B-633

LENGTH

Anvil-Strut Concrete Inserts are produced and stocked in 10 and 20 foot lengths. Other lengths are available upon request.

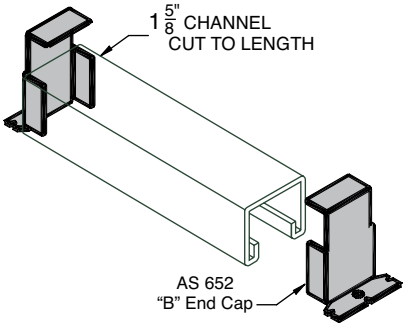
ORDERING

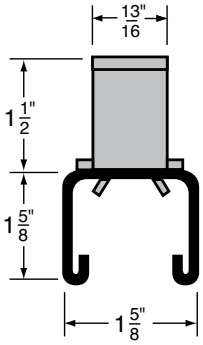
Specify catalog number, length or size where required and finish when necessary.

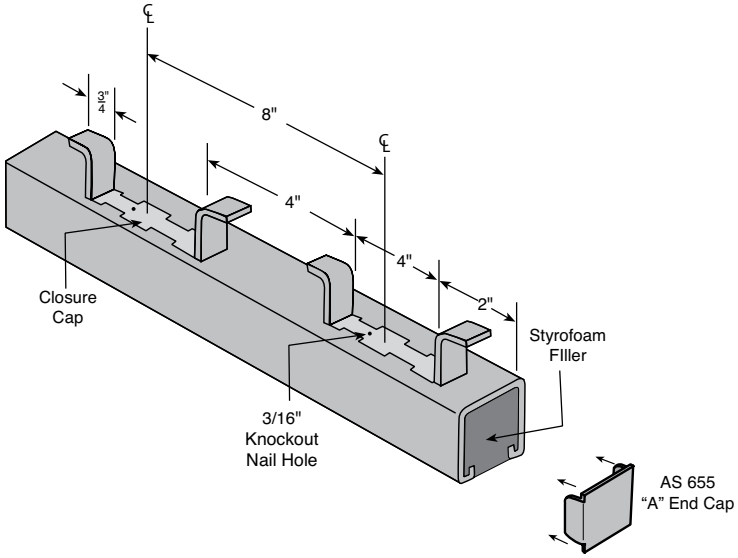
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 249 | **PG, PL**

CONTINUOUS CONCRETE INSERT







FEATURES

- Loading data was calculated in a concrete mixture which was proportioned so that the compression strength of the concrete was 2,500 to 3,000 pounds per square inch and that the load is dependent on the surrounding concrete.
- Tests were performed with a safety factor of 3, and in accordance with the MFMA Specifications.
- Anvil-Strut concrete inserts are supplied with the AS 652 or AS 655 end cap and either a styrofoam filler or plastic strip (AS 6151) installed in the insert channel to prevent any concrete seepage.
- Stocked in either plain and pre-galvanized, see technical data section for ASTM specifications.
- Inserts should be secured to forms at 16" intervals.
- When ordering, please indicate finish and either foam filler, or plastic closure.

Length in Inches	Max. Allowable Load	End Caps
12	2000 Lbs.	AS 652 Type "B"
18	2000 Lbs.	AS 655 Type "A"
24	2000 Lbs.	
30	2000 Lbs.	
36	2000 Lbs.	

With Closure Strip and End Cap Installed (CS/EC) or with Foam and End Cap Installed (F/EC).

Part No.	End Cap
AS 249 CS/EC 10	A
AS 249 CS/EC 20	A
AS 249 F/EC 10	A
AS 249 F/EC 20	A

Without Closure Strip and End Cap.

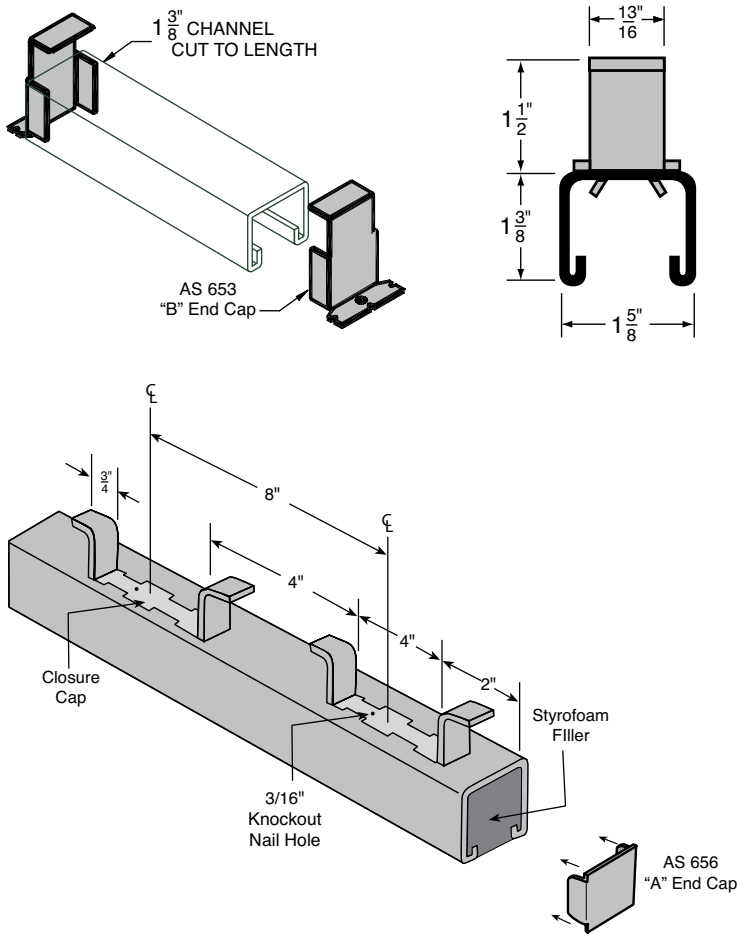
Part No.
AS 249 W/O 10
AS 249 W/O 20

1⅝" x 1⅝" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 349 **PG, PL**

CONTINUOUS CONCRETE INSERT



FEATURES

- Loading data was calculated in a concrete mixture which was proportioned so that the compression strength of the concrete was 2,500 to 3,000 pounds per square inch and that the load is dependent on the surrounding concrete.
- Tests were performed with a safety factor of 3, and in accordance with the MFMA Specifications.
- Anvil-Strut concrete inserts are supplied with AS 656 end cap and either a styrofoam filler or plastic strip (AS 6151) installed in the insert channel to prevent any concrete seepage.
- Stocked in either plain and pre-galvanized, see technical data section for ASTM specifications.
- Inserts should be secured to forms at 16" intervals.
- When ordering, please indicate finish and either foam filler, or plastic closure.

Length in Inches	Wt./100 Pieces	Max. Allowable Load
3	87	500 Lbs.
4	103	800 Lbs.
6	134	1000 Lbs.
8	206	1200 Lbs.
12	188	1800 Lbs.

With Closure Strip and End Cap Installed (CS/EC) or with Foam and End Cap Installed (F/EC).

Part No.	End Cap	Wt./100 Feet
AS 349 CS/EC 10	A	180
AS 349 CS/EC 20	A	180
AS 349 F/EC 10	A	188
AS 349 F/EC 20	A	188

Without Closure Strip and End Cap.

Part No.	Wt./100 Feet
AS 349 W/O 10	178
AS 349 W/O 20	178

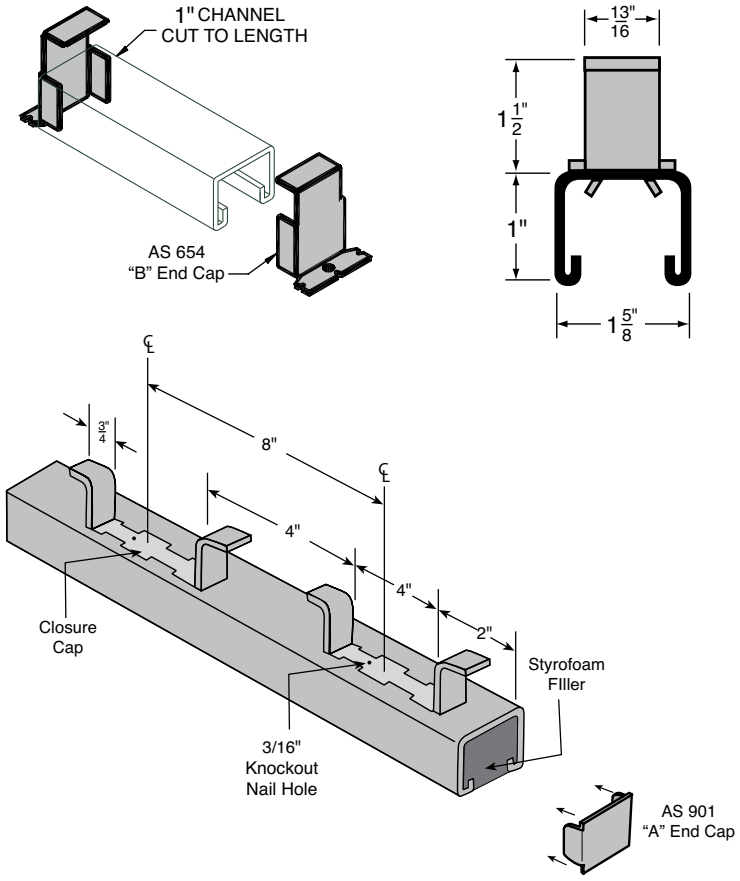
1⅜" x 1⅝" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

Wt/100 Feet: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 449 | **PG, PL**

CONTINUOUS CONCRETE INSERT



FEATURES

- Loading data was calculated in a concrete mixture which was proportioned so that the compression strength of the concrete was 2,500 to 3,000 pounds per square inch and that the load is dependent on the surrounding concrete.
- Tests were performed with a safety factor of 3, and in accordance with the MFMA Specifications.
- Anvil-Strut concrete inserts are supplied with AS 901 end cap and either a styrofoam filler or plastic strip (AS 6151) installed in the insert channel to prevent any concrete seepage.
- Stocked in either plain and pre-galvanized, see technical data section for ASTM specifications.
- Inserts should be secured to forms at 16" intervals.
- When ordering, please indicate finish and either foam filler, or plastic closure.

Length in Inches	Wt./100 Pieces	Max. Allowable Load
3	41	450 Lbs.
4	54	600 Lbs.
6	81	850 Lbs.
8	108	1100 Lbs.
12	162	1700 Lbs.

With Closure Strip and End Cap Installed (CS/EC) or with Foam and End Cap Installed (F/EC).

Part No.	End Cap	Wt./100 Feet
AS 449 CS/EC 10	A	152
AS 449 CS/EC 20	A	152
AS 449 F/EC 10	A	162
AS 449 F/EC 20	A	165

Without Closure Strip and End Cap.

Part No.	Wt./100 Feet
AS 449 W/O 10	151
AS 449 W/O 20	151

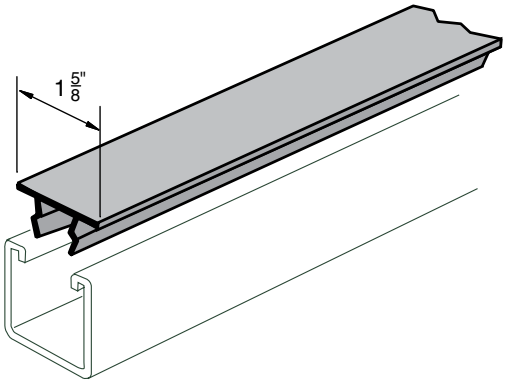
1" x 1⅝" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

Wt/100 Feet: See chart above.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 6151 **PL**

PLASTIC CLOSURE STRIP



MATERIAL: High impact polystyrene plastic.
Stocked in black, white and green 10' lengths.
Use with all 1⅝" channel and inserts.

Std Pkg 100 - Wt/100 pcs: 31 Lbs.

Fig. 152

SCREW CONCRETE INSERT

Specify Rod Size. Size Range 3/8" thru 7/8".

For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 285

LIGHT WEIGHT CONCRETE INSERT

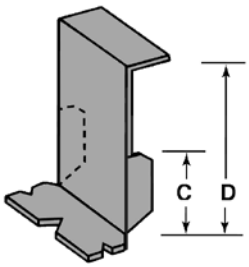
For additional information, please refer to the Anvil Pipe Hanger Catalog.

LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 652, AS 653, AS 654 **PG**

TYPE "B" END CAP

The Type "B" End Cap is furnished on all Inserts up to 12" in length and provides nail lugs at each end of the Insert. End Caps may be ordered separately.

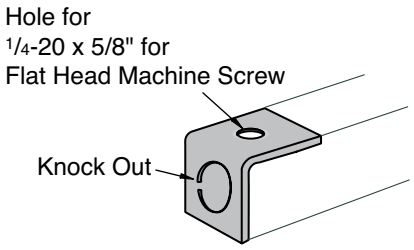


Catalog No.	Use With Anvil-Strut	C	D	Wt./100 Pcs.
AS 652	AS 200	1.42	3⅛"	22
AS 653	AS 300	1.17	2⅞"	20
AS 654	AS 400	0.79	2½"	18

Std Pkg 50 - Wt/100 pcs: See chart above.

AS 2511 **EG**

END CAP WITH KNOCK OUT (CONDUIT END CAP)



Catalog No.	Conduit Size	Use With Anvil-Strut	Wt./100 Pcs.
AS 2511 1	½"	AS 150	27
AS 2511 2	½" or ¾"	AS 200 & AS 210	24
AS 2511 3	½"	AS 300	21

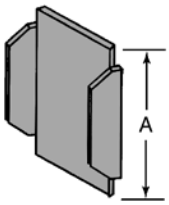
When ordering AS 2511 2, please specify conduit size.

Std Pkg 50 - Wt/100 pcs: See chart above.

AS 655, AS 656, AS 901, AS 902, AS 930, AS 2580 **PG**

TYPE "A" END CAP

The Type "A" End Cap is supplied on all Concrete Inserts longer than 12". End Caps may be ordered separately.

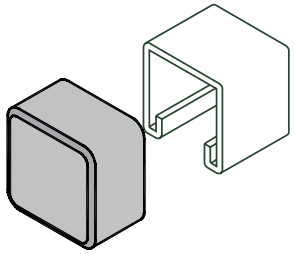


Catalog No.	Use With Anvil-Strut	A	Std. Pkg.	Wt./100 Pcs.
AS 902	AS 100	3 7/32"	100	19
AS 2580	AS 150	2⅜"	100	16
AS 655	AS 200	1⅝"	100	7
AS 656	AS 300	1⅜"	100	6
AS 901	AS 400	1"	100	4
AS 930	AS 500	1 13/16"	200	4

Std Pkg & Wt/100 pcs: See chart above.

AS 6153 **Red, White**

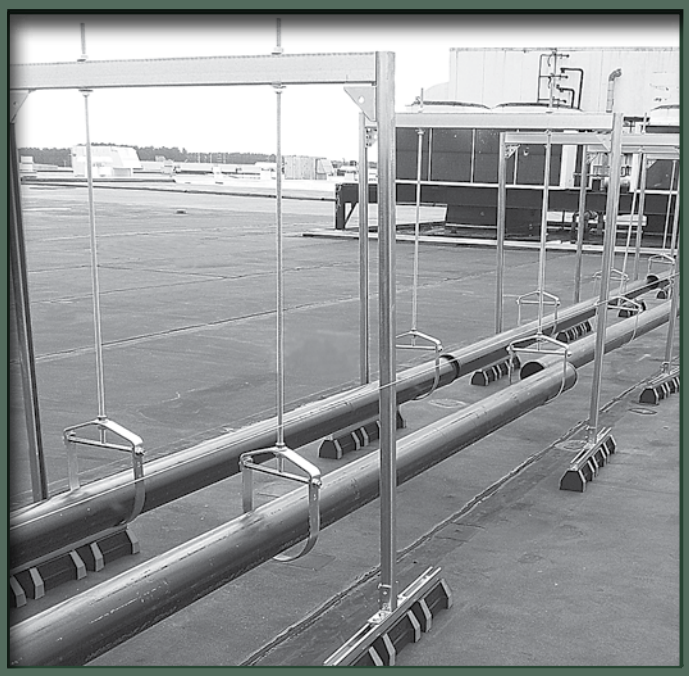
PLASTIC RED & WHITE SAFETY END CAP



Size	Std. Pkg.	Wt./100 Pcs.	Use With Channel
1	100	5.0	AS 100
2	100	2.8	AS 200 & AS 210
3	100	2.5	AS 300
5	100	2.0	AS 500

Std Pkg & Wt/100 pcs: See chart above.

H-BLOCK ROOFTOP SUPPORT SYSTEMS



SPECIFICATIONS

MATERIAL

H-Strut channels are produced from prime structural steel covered by the following specifications.

Pre-Galvanized Steel . . . . . ASTM A-653
Plain Steel . . . . . ASTM A-1011-SS
Aluminum (Type 6063T6) . . . . . ASTM B-221
Stainless Steel (Type 304 & 316) . . . . . ASTM A-240
Other materials and specifications available on request.

TESTING

Rooftop Supports Have Been Tested By An Accredited Independent Laboratory To The Following:

ASTM D575 Method B – Modified – Compression/Deflection
ASTM D1171 Modified – Ozone Resistance
Freeze/Thaw Environmental Simulation

FINISHES

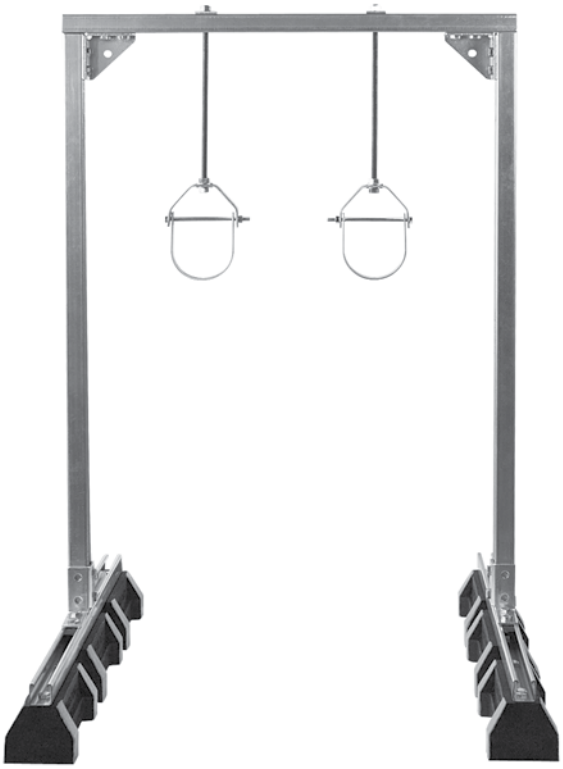
All H-Strut channels are stocked in pre-galvanized and powder coated Supr-Green. Some sizes are stocked in zinc trivalent chromium, PVC or hot dipped galvanized.

Hot Dipped Galvanized . . . . . ASTM A-123
Zinc Trivalent Chromium . . . . . .ASTM B-633-85
Powder Coated Supr-Green. . . . . ASTM B-117
PVC Coating 40 ML Thickness - Available Upon Request

Note: Consult roofing manufacturer or engineer for roof loading compatibility.

H-BLOCK SPECIAL FEATURES

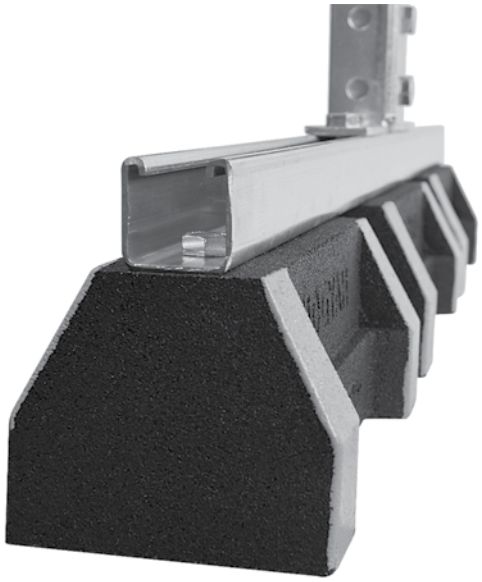
The channel for H-Block support assemblies includes a variety of options. The strut can be made in special lengths, finishes, and alloys including Aluminum, Stainless Steel both 304 & 316, PVC coated, Powder coated, Zinc Trivalent Chromium, Pre-Galvanized and Hot Dipped Galvanized.



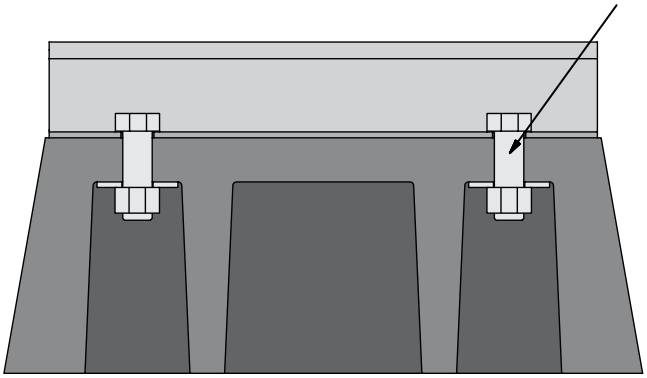
- 100% Recycled Rubber
- LEED Certifiable
- Meets the Buy America Act
- American Reinvestment Recovery Act (A.R.R.A.)
- Independent Laboratory Tested
- Resistance to Freeze and Thaw
- No Deteriorations
- All 4 Corners coated with high visibility safety orange for maximum visibility
- Dampens Vibrations
- Compatible with most rooftop materials

Our product line has systems to support all of the following applications:

- Solar Racking
- Pipe & Conduit supports
- Duct supports
- HVAC supports
- Cable Tray Systems
- Air Conditioning supports
- Roof Walkway supports



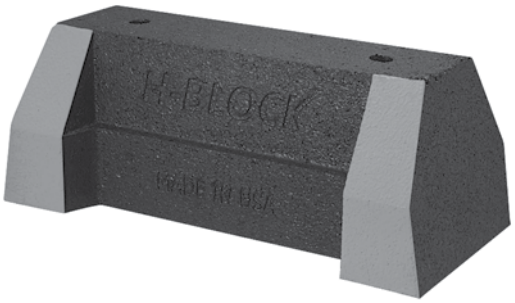
All H-Block products made with 1-⅝" and higher channel is equipped with (2) ½" x 1-½" hex head cap screws, washers and nuts.



LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-Standard-Base Only

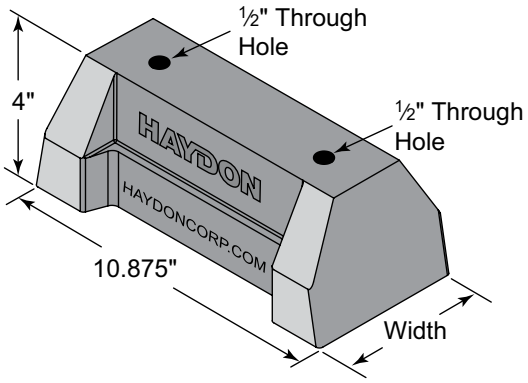
HBS-BASE RUBBER SUPPORT – BASE ONLY



The HBS-Base Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces. Can be used as a curb (sleeper) replacement. Screw fasteners can be used to attach one or two hole pipe straps or a piece of strut (not included).

Specifications – H-Block Support
Material - 100% recycled rubber, UV resistant

Base Area
Shown = 33.1 Sq. In.
For use in bearing calculations



HBS-BASE RUBBER SUPPORT – BASE ONLY

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-Standard-Base Only	4" (101mm)	5" (127mm)	10⅞" (276mm)	4.80 lbs.	1,500*

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.
* Safety Factor of 3, load based on actual lab testing.

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS Series	PG, HG

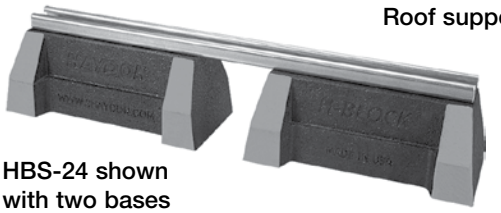
HBS-SUPPORT WITH STEEL CHANNEL

Like all of the H-Block supports, the HBS Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

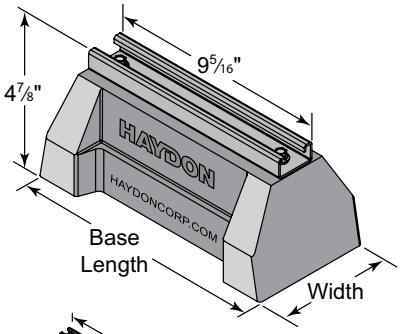
The HBS Series provides a longer mounting surface with strut lengths up to 46⅜" Standard strut mount pipe clamps are used to secure the pipes. (See pages 57 - 68).

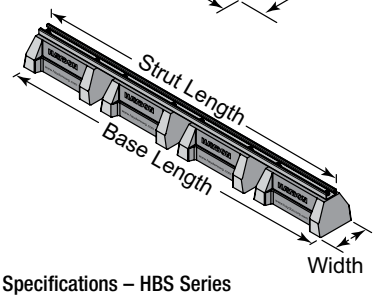
The HBS Series is suitable for installation on most types of roofing material or other flat surfaces.

Roof supports come pre-assembled.



HBS-24 shown with two bases



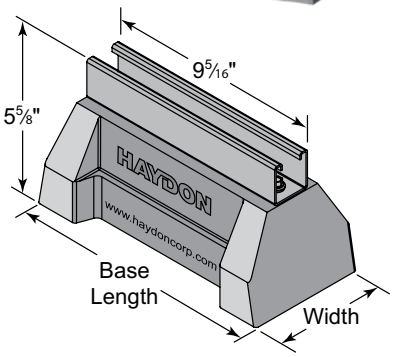


HBS-SUPPORT WITH 13⁄16" H-164 CHANNEL

Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBS-10-H-164-PG	4⅞" (124mm)	5" (127mm)	1	9.312" (237mm)	10⅞" (276mm)	5.62	1,500*
HBS-24-H-164-PG			2	22.375" (568mm)	24" (610mm)	11.56	3,000*
HBS-36-H-164-PG			3	34.375" (873mm)	36" (914mm)	17.41	4,500*
HBS-48-H-164-PG			4	46.375" (1178mm)	48" (1219mm)	23.25	6,000*

* This load is only for the capacity of the components in this assembly.
Please consult roofing manufacturer or engineer for roof load capacity

Specifications – HBS Series
H-Block Support with:
13⁄16" H-164 Channel, or 1⅝" H-132 Channel
Material - 100% recycled rubber, UV resistant



HBS-SUPPORT WITH 1⅝" H-132 CHANNEL

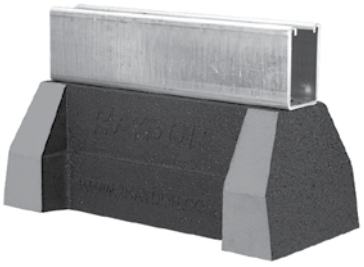
Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-10-H-132-PG	5⅝" (143mm)	5" (127mm)	1	9.312" (237mm)	10⅞" (276mm)	6.26	1,500*
HBS-24-H-132-PG			2	22.375" (568mm)	24" (610mm)	13.10	3,000*
HBS-36-H-132-PG			3	34.375" (873mm)	36" (914mm)	19.77	4,500*
HBS-48-H-132-PG			4	46.375" (1178mm)	48" (1219mm)	26.44	6,000*

* This load is only for the capacity of the components in this assembly.
Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-6 Series	PG, HG

HBS-SUPPORT WITH 2⁷⁄₁₆" H-122 STEEL CHANNEL

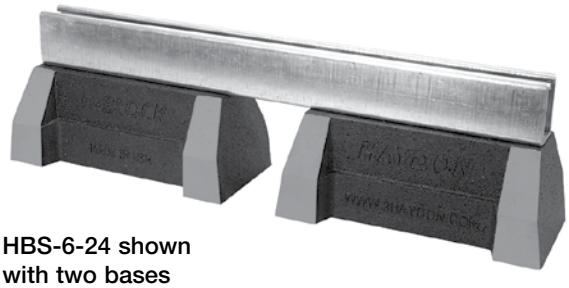


Like all of the H-Block supports, the HBS-6 Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

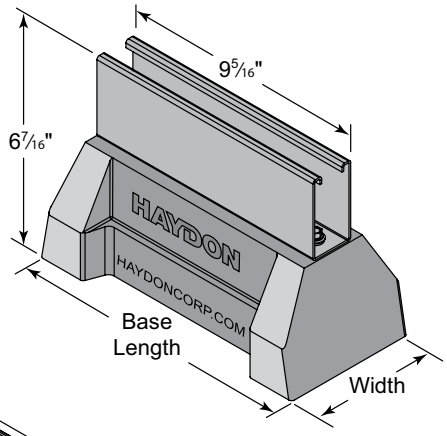
The HBS-6 Series provides a longer mounting surface with strut lengths up to 46⅜".

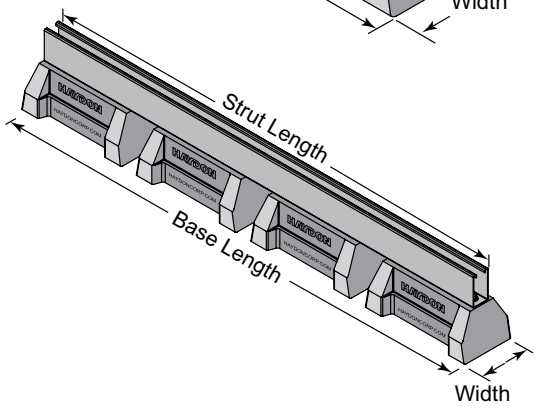
The HBS-6 Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces.

Roof supports come pre-assembled



HBS-6-24 shown with two bases





Specifications – HBS-6 Series
H-Block Support with: 2⁷⁄₁₆" H-122 Channel
Material - 100% recycled rubber, UV resistant

HBS SUPPORT WITH 2⁷⁄₁₆" H-122 PRE-GALV. STEEL CHANNEL

Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-6-10-H-122-PG	6⁷⁄₁₆" (165mm)	5" (127mm)	1	9.312" (237mm)	10⅞" (276mm)	6.69	1,500*
HBS-6-24-H-122-PG			2	22.375" (568mm)	24" (610mm)	14.13	3,000*
HBS-6-36-H-122-PG			3	34.375" (873mm)	36" (914mm)	21.35	4,500*
HBS-6-48-H-122-PG			4	46.375" (1178mm)	48" (1219mm)	28.58	6,000*

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-CB Bridge Series PG, HG

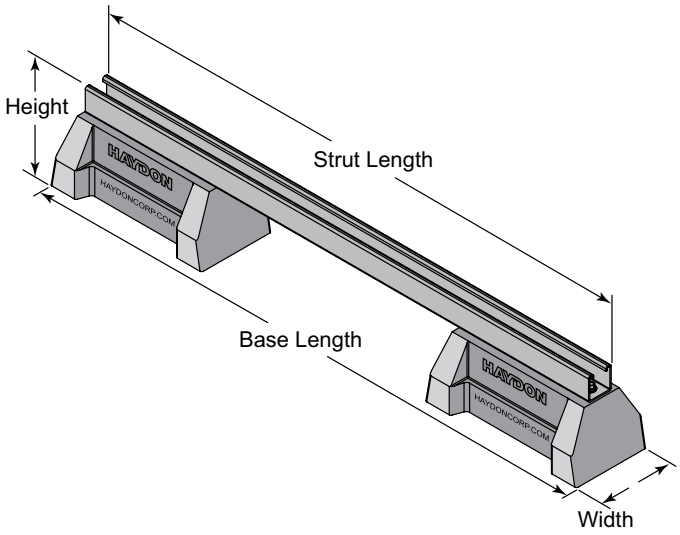
HBS-CB–BRIDGE SERIES - BRIDGE LENGTH SUPPORTS WITH 2 HBS BASES AND CHANNEL

Like all of the H-Block supports, the HBS-CB–Bridge Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The HBS-CB Series provides a longer mounting surface with strut lenghts up to 60".

The HBS-CB–Bridge Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces.

Roof supports come pre-assembled



Specifications – HBS-CB Series
Base - Bridge style support with two H-Block Bases & 1⅝" Galv. H-132 Steel Channel
Material - 100% recycled rubber, UV resistant

HBS-CB–BRIDGE SERIES - BRIDGE LENGTH SUPPORTS WITH 2 HBS BASES AND CHANNEL

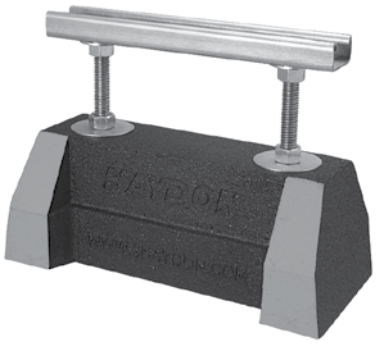
Model No.	Height	Width	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CB10-28-H-132-PG	5⅝" (143mm)	5" (127mm)	28" (711mm)	29¾" (756mm)	13.96	1,480*
HBS-CB10-36-H-132-PG			36" (914mm)	37¾" (959mm)	15.18	1,150*
HBS-CB10-42-H-132-PG			42" (1067mm)	43¾" (1111mm)	16.09	985*
HBS-CB10-50-H-132-PG			50" (1270mm)	51¾" (1314mm)	17.31	825*
HBS-CB10-60-H-132-PG			60" (1524mm)	61¾" (1568mm)	18.84	685*

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-CE Extension Series | **PG, HG**

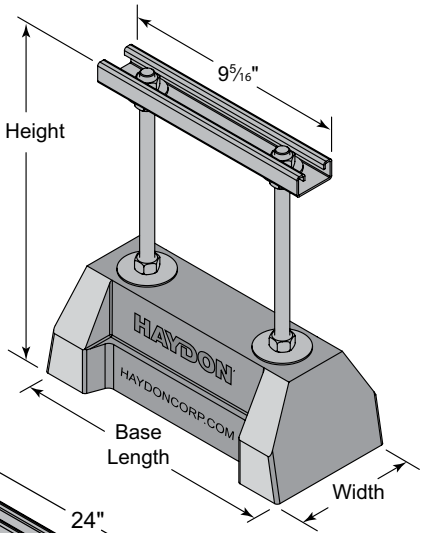
HBS-CE-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND CHANNEL

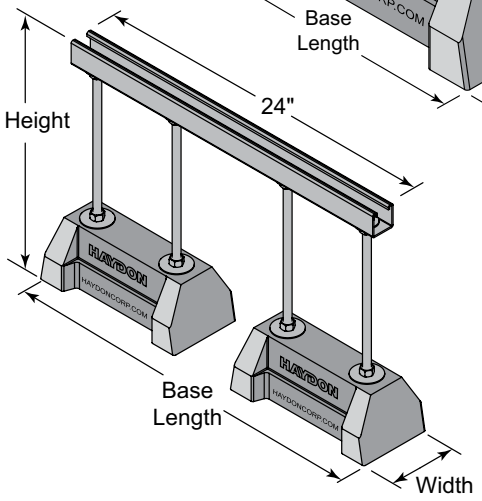


HBS-CE-Extension Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The HBS-CE-Extension is UV resistant and suitable for installation on most types of roofing material or other flat surfaces.

Roof supports come pre-assembled





Specifications – HBS-CE
Two H-Block Bases and Threaded Rod Riser with:
13/16" H-164 Channel, or 1 5/8" H-132 Channel
Material - 100% recycled rubber, UV resistant

HBS-CE-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND CHANNEL

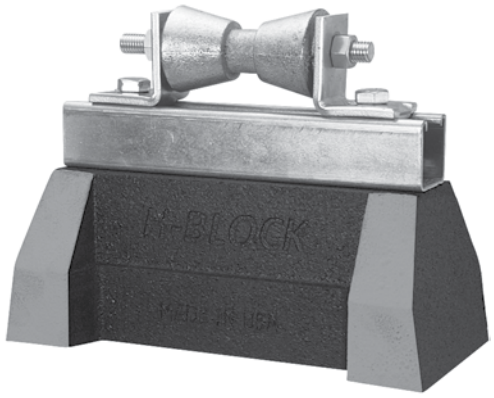
Model No.	Height	Width	Strut Length	Strut Size	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CE10-8-H-164-PG	8" (203mm)	5" (127mm)	9.312" (237mm)	13/16" H-164	10 7/8" (276mm)	6.89	1,000*
HBS-CE10-12-H-164-PG	12" (305mm)					7.34	1,000*
HBS-CE24-16-H-132-PG	16" (406mm)		24.000" (610mm)	1 5/8" H-132	26" (660mm)	15.85	1,700*

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-Roller Series PG, HG

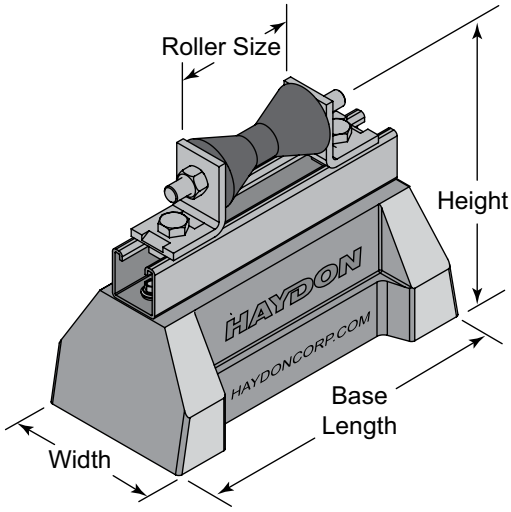
HBS BASE WITH 1⅝" H-132 PRE-GALV. STEEL CHANNEL AND ROLLERS



The HBS-Roller Series is designed for superior support of natural gas and refrigeration pipes. The roller allows for longitudinal movements of the pipe. This support is suitable for most types of roofing material or other flat surfaces.

Roof supports come pre-assembled

Specifications – HBS-Roller Series
H-Block Support with: 1⅝" H-132 Channel
Material - 100% recycled rubber, UV resistant
Pipe O.D. - 1" thru 10"



HBS BASE WITH 1⅝" H-132 PRE-GALV. STEEL CHANNEL AND ROLLERS

Model No.	Pipe Size (O.D.)	Overall Height	Height to Roller Center	Strut Length	Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-R10-1-2-H-132-PG	1" to 2" (25 to 51mm)	8" (203mm)	7" (178mm)	9.312" (237mm)	5" (127mm)	10⅞" (276mm)	1	9.13	1,500*
HBS-R10-2-3½-H-132-PG	2" to 3½" (51 to 89mm)						1	8.94	1,500*
HBS-R10-4-6-H-132-PG	4" to 6" (102 to 152mm)	8⅛" (206mm)					1	9.37	1,500*
HBS-R24-8-10-H-132-PG	8" to 10" (203 to 1254mm)	10⅝" (262mm)	8⅝" (219mm)			24" (610mm)	2	21.26	3,000*

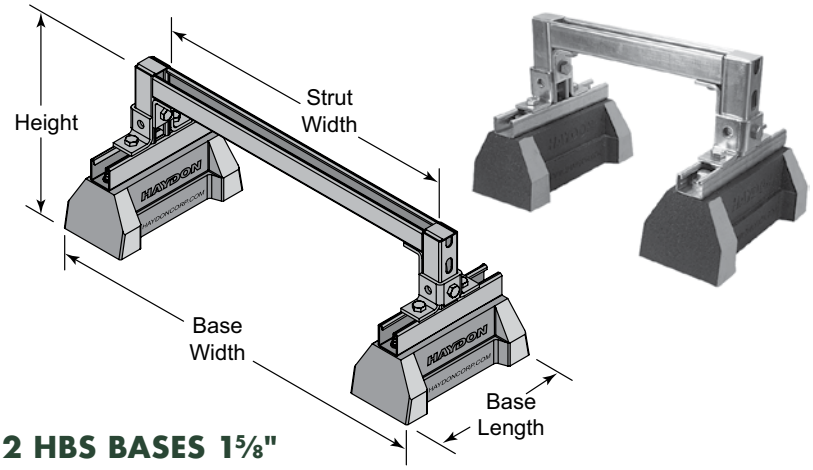
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-CES Series | **PG, HG**

RAISED BRIDGE LENGTH WITH 2 HBS BASES PRE-GALV. STEEL CHANNEL

The HBS-CES-Medium Series can support natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications. They are designed for rooftop applications requiring a heavier load bearing capacity, and are suitable for most types of roofing material or other flat surfaces.

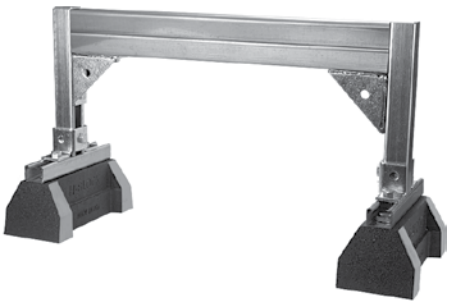


RAISED BRIDGE LENGTH WITH 2 HBS BASES 1⅝" H-132 PRE-GALV. STEEL CHANNEL

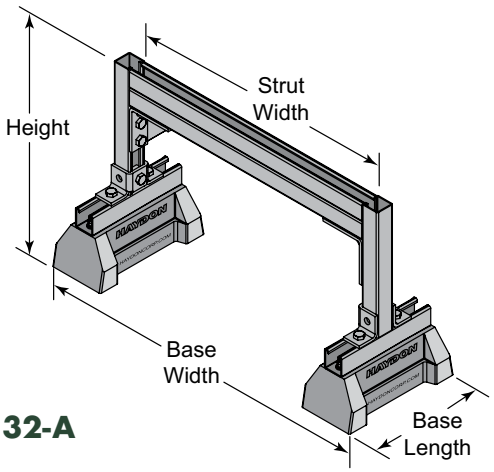
Model No.	Height	Base Width	Strut Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CES-10-12-H-132-PG	10" (254mm)	18⅝" (473mm)	12" (305mm)	10⅞" (276mm)	19.4	3,045*
HBS-CES-10-24-H-132-PG		30⅝" (763mm)	24" (610mm)		21.9	1,520*

Specifications – HBS-CES Series
Two H-Block bases with
1⅝" H-132 Strut, or
3¼" H-132-A back-to-back Strut
Material - 100% recycled rubber, UV resistant

* This load is only for the capacity of the components in this assembly.
Please consult roofing manufacturer or engineer for roof load capacity



The HBS-CES-Heavy Series is designed for rooftop applications requiring a heavier load bearing capacity. It is suitable for most types of roofing material or other flat surfaces.



RAISED BRIDGE LENGTH WITH 2 HBS BASES 3¼" H-132-A BACK-TO-BACK PRE-GALV. STEEL CHANNEL

Model No.	Height	Base Width	Strut Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CES-16-24-H-132-A-PG	16" (406mm)	30⅝" (763mm)	24" (610mm)	10⅞" (276mm)	30.8	3,000*
HBS-CES-16-36-H-132-A-PG		42⅝" (1067mm)	36" (914mm)		34.3	2,840*

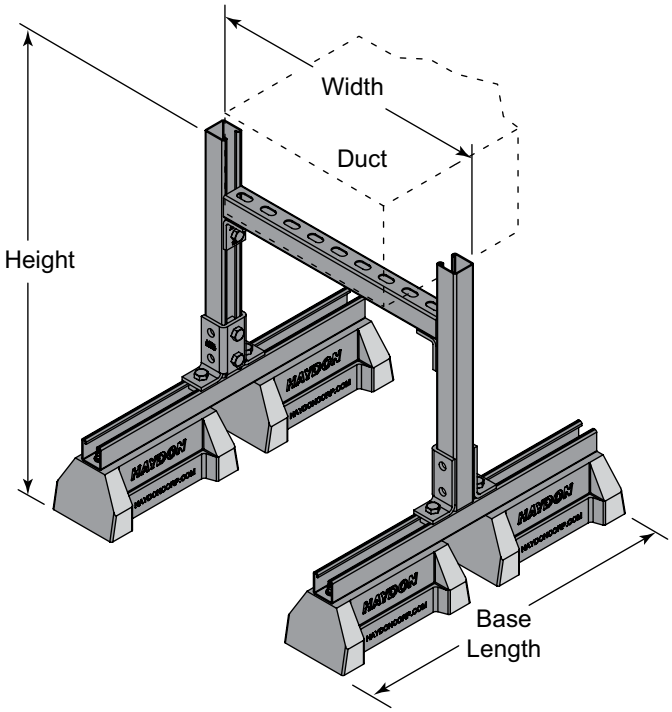
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-DSFW Fixed Width Duct Support | **PG, HG**

HBS-DS DUCT SUPPORT SERIES WITH FIXED WIDTH AND ADJUSTABLE HEIGHT

The HBS-DSFW Series is designed specifically for supporting duct work.



Specifications – HBS-DSFW
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 1⅝" H-132-RS3 Channel

HBS-DS DUCT SUPPORT SERIES WITH FIXED WIDTH AND ADJUSTABLE HEIGHT

Model No.	Height	Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-DS2FW-23-18-H-132-PG	23" (584mm)	18" (457mm)	24" (610mm)	4	39.80	2,030*
HBS-DS2FW-23-24-H-132-PG		24" (610mm)			40.67	1,520*
HBS-DS2FW-23-36-H-132-PG		36" (914mm)			42.33	1,010*
HBS-DS2FW-23-48-H-132-PG		48" (1219mm)			43.99	755*
HBS-DS2FW-29-18-H-132-PG	29" (737mm)	18" (457mm)	24" (610mm)	4	41.58	2,030*
HBS-DS2FW-29-24-H-132-PG		24" (610mm)			42.41	1,520*
HBS-DS2FW-29-36-H-132-PG		36" (914mm)			44.08	1,010*
HBS-DS2FW-29-48-H-132-PG		48" (1219mm)			45.74	755*
HBS-DS2FW-41-18-H-132-PG	41" (1041mm)	18" (457mm)	24" (610mm)	4	45.07	2,030*
HBS-DS2FW-41-24-H-132-PG		24" (610mm)			45.90	1,520*
HBS-DS2FW-41-36-H-132-PG		36" (914mm)			47.56	1,010*
HBS-DS2FW-41-48-H-132-PG		48" (1219mm)			49.22	755*
HBS-DS3FW-53-18-H-132-PG	53" (1346mm)	18" (457mm)	36" (914mm)	6	62.23	2,030*
HBS-DS3FW-53-24-H-132-PG		24" (610mm)			63.06	1,520*
HBS-DS3FW-53-36-H-132-PG		36" (914mm)			64.72	1,010*
HBS-DS3FW-53-48-H-132-PG		48" (1219mm)			66.38	755*

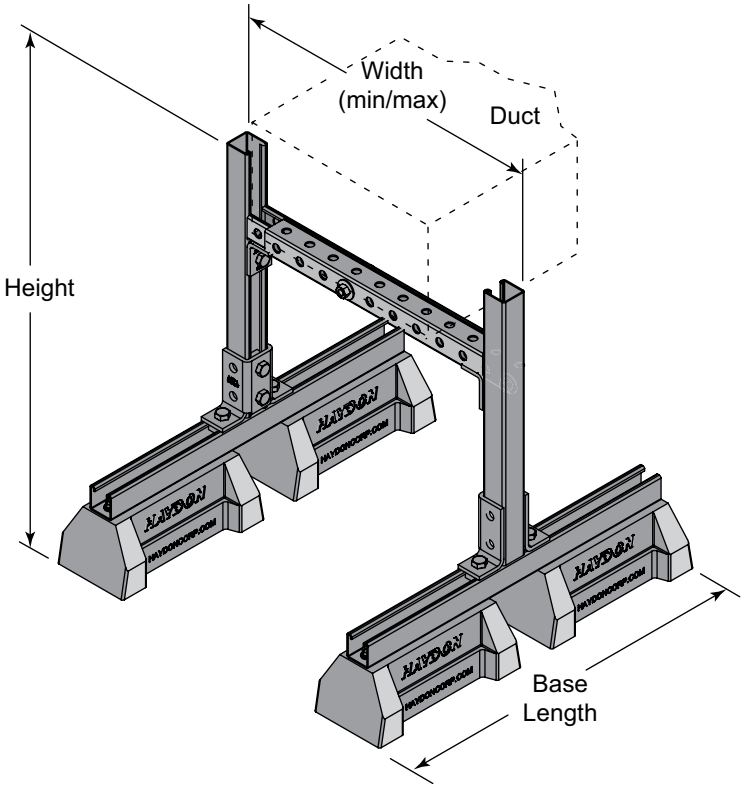
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-DSAW Adjustable Duct Support | **PG, HG**

HBS-DS-DUCT SUPPORT SERIES WITH ADJUSTABLE WIDTH AND HEIGHT

The HBS-DSAW Series is designed specifically for supporting duct work. The telescopic cross beam provides easy size adjustments. A wide range of support widths are provided from 19¼" to 103⅝"



Specifications – HBS-DSAW
Adjustable Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Telescopic Crossbeams - 1⅝" H-132-RS3 Channel

HBS-DS-DUCT SUPPORT SERIES WITH ADJUSTABLE WIDTH AND HEIGHT

Model No.	Width		Height	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
	Minimum	Maximum					
HBS-DSAW-29-20-26-H-132-PG	19¼" (489mm)	26¾" (679mm)	28.813" (732mm)	10⅞" (276mm)	2	29.61	1,080*
HBS-DSAW-29-25-39-H-132-PG	24⅞" (632mm)	39⅞" (1013mm)				31.19	810*
HBS-DS2AW-29-38-62-H-132-PG	38" (965mm)	62⅜" (1575mm)		24" (610mm)	4	46.47	510*
HBS-DS3AW-29-63-103-H-132-PG	62⅜" (1584mm)	103⅝" (2617mm)		36" (914mm)	6	66.90	305*
HBS-DSAW-36-20-26-H-132-PG	19¼" (489mm)	26¾" (679mm)	36" (914mm)	10⅞" (276mm)	2	30.61	1,080*
HBS-DSAW-36-25-39-H-132-PG	24⅞" (632mm)	39⅞" (1013mm)				32.19	810*
HBS-DS2AW-36-38-62-H-132-PG	38" (965mm)	62⅜" (1575mm)		24" (610mm)	4	47.47	510*
HBS-DS3AW-36-63-103-H-132-PG	62⅜" (1584mm)	103⅝" (2617mm)		36" (914mm)	6	67.90	305*

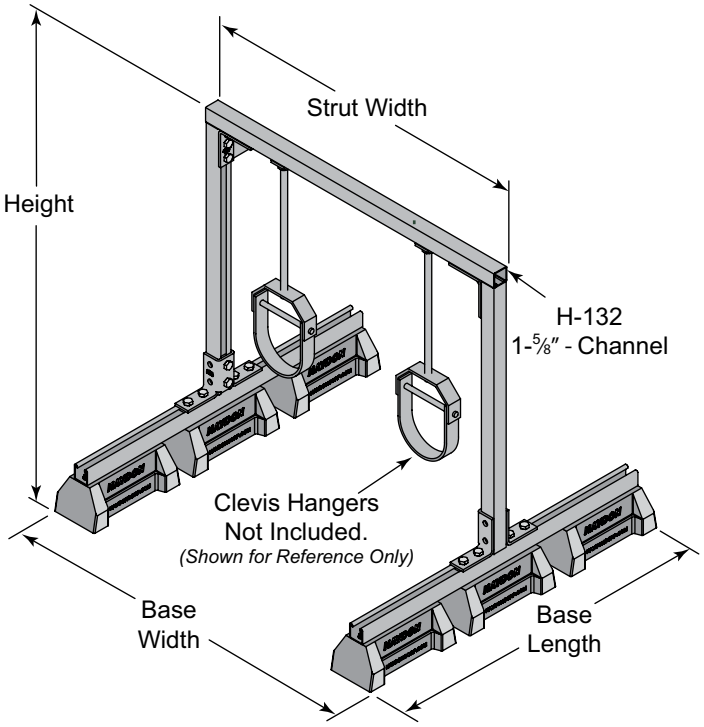
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-PH 36" Light Duty Pipe Hanger Support	PG, HG

HBS-PH 36" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.



Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 1⅝" H-132 Channel

HBS-PH 36" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-132-PG	36" (914mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	62	1,145*
HBS-PH-36-48-H-132-PG		48" (1219mm)	51⅜" (1305mm)			64	855*
HBS-PH-36-60-H-132-PG		60" (1524mm)	63⅜" (1610mm)			66	680*
HBS-PH-36-72-H-132-PG		72" (1829mm)	75⅜" (1915mm)			68	565*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

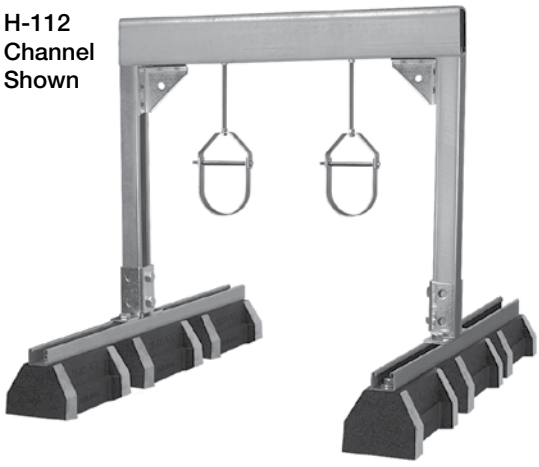
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

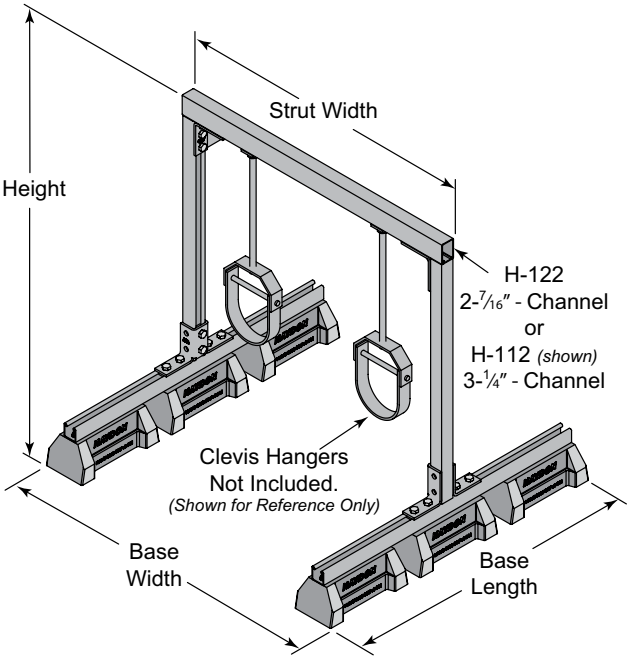
HBS-PH 36" Medium Duty Pipe Hanger Support | **PG, HG**

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112 Channel Shown





Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 2⁷⁄₁₆" H-122 Channel or 3¼" H-112 Channel

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-122 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-122-PG	36" (914mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	63	2,190*
HBS-PH-36-48-H-122-PG		48" (1219mm)	51⅜" (1305mm)			66	1,635*
HBS-PH-36-60-H-122-PG		60" (1524mm)	63⅜" (1610mm)			68	1,305*
HBS-PH-36-72-H-122-PG		72" (1829mm)	75⅜" (1915mm)			71	1,080*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.
Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-112 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-112-PG	36" (914mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	65	3,505*
HBS-PH-36-48-H-112-PG		48" (1219mm)	51⅜" (1305mm)			68	2,620*
HBS-PH-36-60-H-112-PG		60" (1524mm)	63⅜" (1610mm)			71	2,090*
HBS-PH-36-72-H-112-PG		72" (1829mm)	75⅜" (1915mm)			74	1,735*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.
Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

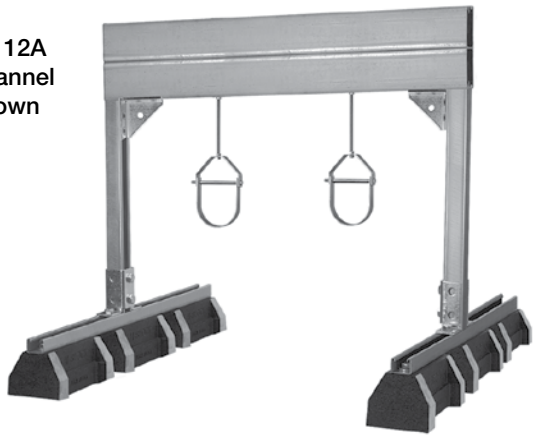
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

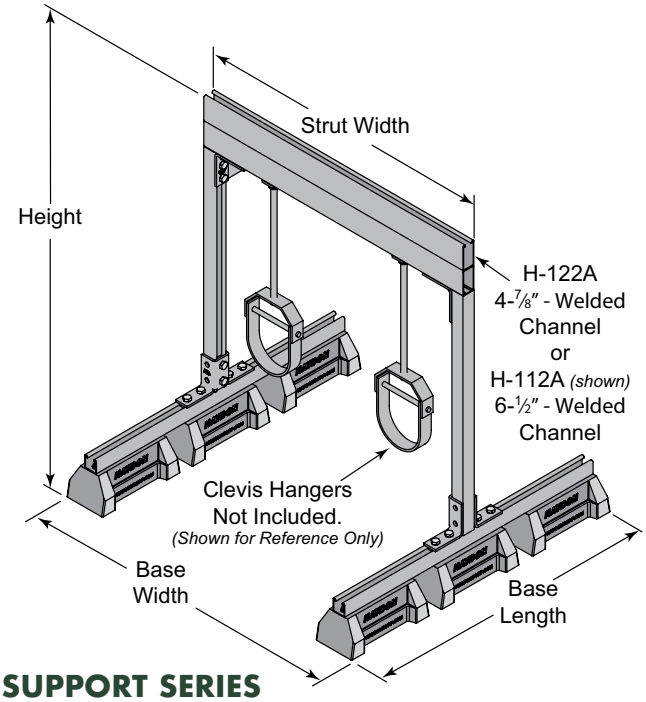
HBS-PH 36" Heavy Duty Pipe Hanger Support | **PG, HG**

HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112A Channel Shown





Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 4⅞" H-122A Channel or 6½" H-112A Channel

HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-122A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-122A-PG	36" (914mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	70	3,870*
HBS-PH-36-48-H-122A-PG		48" (1219mm)	51⅜" (1305mm)			75	3,870*
HBS-PH-36-60-H-122A-PG		60" (1524mm)	63⅜" (1610mm)			80	3,845*
HBS-PH-36-72-H-122A-PG		72" (1829mm)	75⅜" (1915mm)			84	3,195*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-112A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-112A-PG	36" (914mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	73	3,870*
HBS-PH-36-48-H-112A-PG		48" (1219mm)	51⅜" (1305mm)			79	3,870*
HBS-PH-36-60-H-112A-PG		60" (1524mm)	63⅜" (1610mm)			85	3,870*
HBS-PH-36-72-H-112A-PG		72" (1829mm)	75⅜" (1915mm)			91	3,870*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

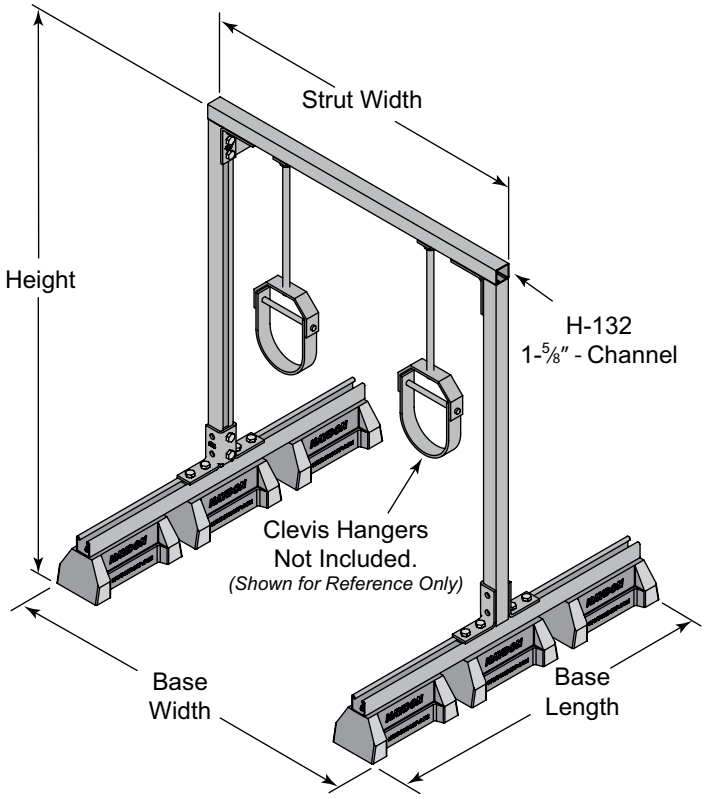
Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-PH 48" Light Duty Pipe Hanger Support	PG, HG

HBS-PH 48" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.



Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 1⅝" H-132 Channel

HBS-PH 48" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-132-PG	48" (1219mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	66	1,145*
HBS-PH-48-48-H-132-PG		48" (1219mm)	51⅜" (1305mm)			68	855*
HBS-PH-48-60-H-132-PG		60" (1524mm)	63⅜" (1610mm)			70	680*
HBS-PH-48-72-H-132-PG		72" (1829mm)	75⅜" (1915mm)			72	565*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

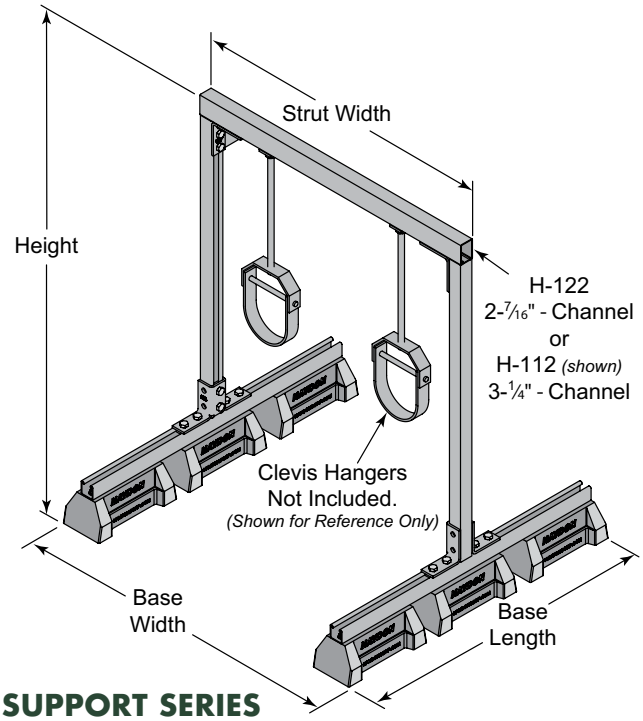
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBS-PH 48" Medium Duty Pipe Hanger Support | **PG, HG**

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112 Channel Shown



Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 2 7/16" H-122 Channel or 3 1/4" H-112 Channel

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-122 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-122-PG	48" (1219mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	67	2,190*
HBS-PH-48-48-H-122-PG		48" (1219mm)	51 3/8" (1305mm)			70	1,635*
HBS-PH-48-60-H-122-PG		60" (1524mm)	63 3/8" (1610mm)			72	1,305*
HBS-PH-48-72-H-122-PG		72" (1829mm)	75 3/8" (1915mm)			75	1,080*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-112 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-112-PG	48" (1219mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	69	3,505*
HBS-PH-48-48-H-112-PG		48" (1219mm)	51 3/8" (1305mm)			72	2,620*
HBS-PH-48-60-H-112-PG		60" (1524mm)	63 3/8" (1610mm)			75	2,090*
HBS-PH-48-72-H-112-PG		72" (1829mm)	75 3/8" (1915mm)			78	1,735*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

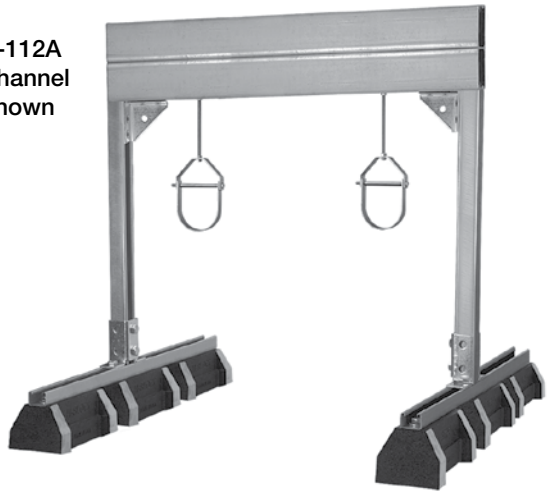
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

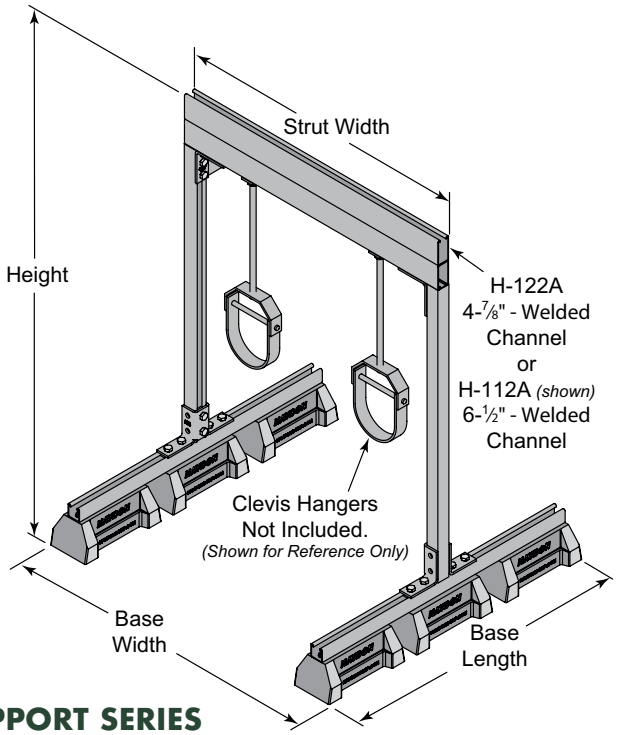
HBS-PH 48" Heavy Duty Pipe Hanger Support | **PG, HG**

HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112A Channel Shown





Specifications
Fixed Width & Height.
All hardware required for assembly is included.
Base Material - 100% recycled rubber, UV resistant
Crossbeams - 4⅞" H-122A Channel or 6½" H-112A Channel

HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-122A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-122A-PG	48" (1219mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	74	3,870*
HBS-PH-48-48-H-122A-PG		48" (1219mm)	51⅜" (1305mm)			79	3,870*
HBS-PH-48-60-H-122A-PG		60" (1524mm)	63⅜" (1610mm)			83	3,845*
HBS-PH-48-72-H-122A-PG		72" (1829mm)	75⅜" (1915mm)			88	3,195*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-112A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-112A-PG	48" (1219mm)	36" (914mm)	39⅜" (1000mm)	36" (914mm)	6	77	3,870*
HBS-PH-48-48-H-112A-PG		48" (1219mm)	51⅜" (1305mm)			82	3,870*
HBS-PH-48-60-H-112A-PG		60" (1524mm)	63⅜" (1610mm)			88	3,870*
HBS-PH-48-72-H-112A-PG		72" (1829mm)	75⅜" (1915mm)			94	3,870*

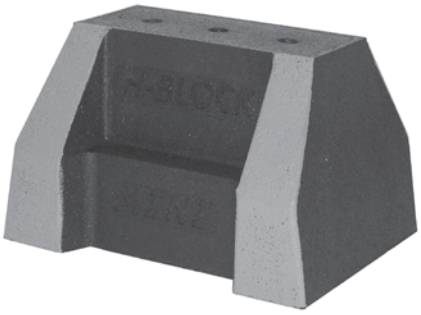
* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of ½" channel nuts tightened to 50 ft-lbs.

LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

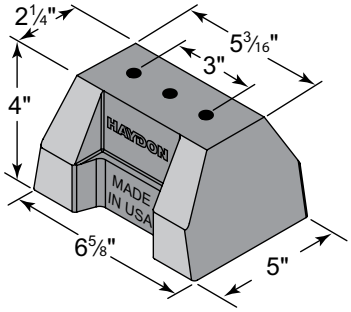
HBM-Mini Base Only

HBM-BASE RUBBER SUPPORT – BASE ONLY



Specifications – H-Block Mini Support
Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-BASE RUBBER SUPPORT – BASE ONLY

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBM-Mini Base Only	4" (101mm)	5" (127mm)	6⅝" (168mm)	2.50	400 *

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

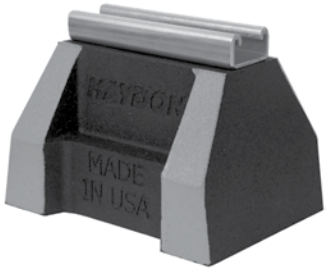
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

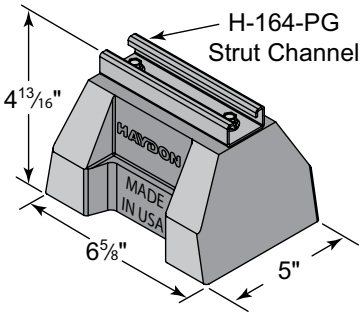
HBM Series	PG

HBM-SUPPORT WITH STEEL CHANNEL

Specifications – HBM Series
H-Block Mini Support with:
13⁄16" H-164 Channel, or 1 5⁄8" H-132 Channel
Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.

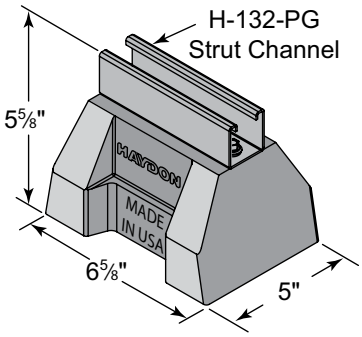




HBM-SUPPORT WITH 13⁄16" H-164 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-5-H-164-PG	4 13⁄16" (122mm)	5" (127mm)	6 5⁄8" (168mm)	2.90	400 *

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity



HBM-SUPPORT WITH 1 5⁄8" H-132 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-5-H-132-PG	5 5⁄8" (147mm)	5" (127mm)	6 5⁄8" (168mm)	3.40	400 *

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

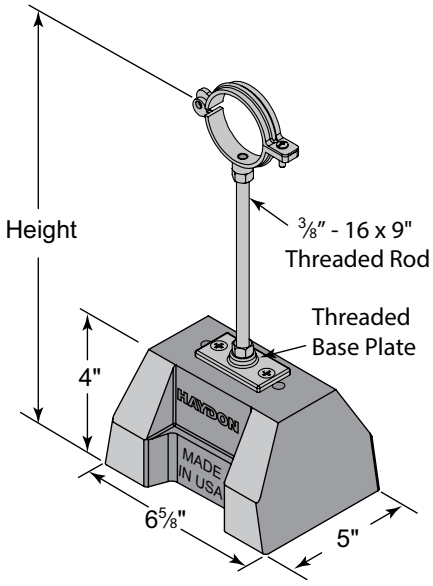
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBM-HPC Series	PG

HBM-HINGED PIPE CLAMP SERIES

Specifications – HBM-Hinged Pipe Clamp Series
H-Block Mini Support with:
Threaded Rod and Hinged Pipe Clamp
Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-HINGED PIPE CLAMP SERIES

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-HPC-1/2 IN-EG	10" - 12" (254mm - 305mm)	5" (127mm)	6⅝" (168mm)	2.70	125 *
HBM-HPC-3/4 IN-EG				2.80	
HBM-HPC-1 IN-EG				2.90	
HBM-HPC-1-1/4 IN-EG				3.0	
HBM-HPC-1-1/2 IN-EG				3.10	
HBM-HPC-2 IN-EG				3.30	

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

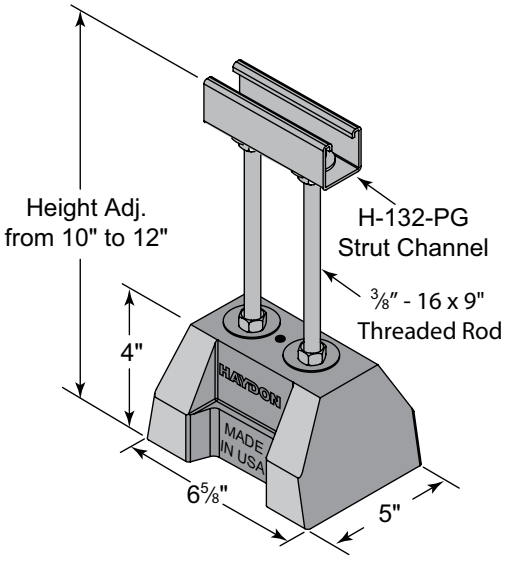
LEGEND:
PG: Pre-Galvanized **HG:** Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.

HBM-CE5 Extension Series | **PG**

HBM-CE5-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND CHANNEL

Specifications – HBM-CE5 Extension Series
H-Block Mini Support and Threaded Rod Riser with 1⅝" H-132 Channel
Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-CE5-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND 1⅝" H-132 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-CE5-10-12-H-132-PG	10" - 12" (254mm - 305mm)	5" (127mm)	6⅝" (168mm)	4.00	175 *

* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity

H-BLOCK SHIPPING

Assembled components are strapped together on a pallet so that assemblies are not bent or twisted. The smaller components are wrapped and placed inside the component frame. Not only does this process avoid damage, it keeps the components for that assembly together to avoid loss or mix-ups.

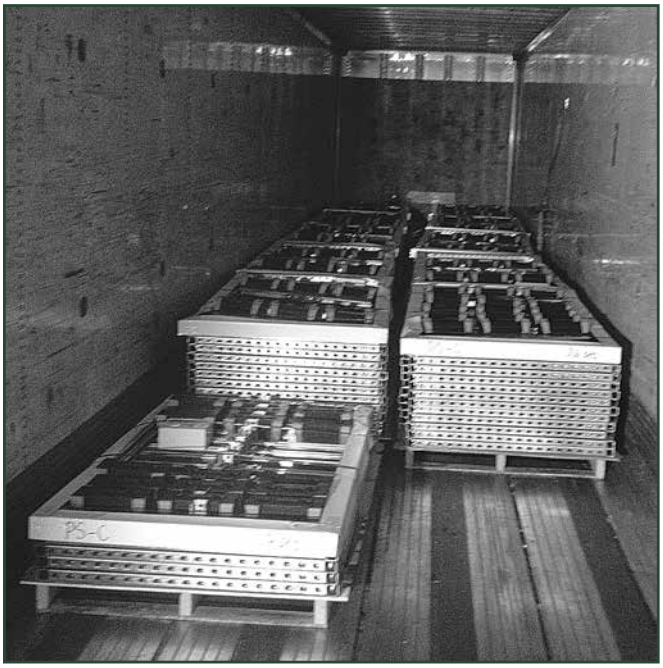


Fig. 20

STRUT SHIELD

Size Range: Up to 8¼" O.D. Insulation

Material: UV Resistant Polypropylene Copolymer (Size F 20% Glass Filled)

Temperature: Operating temperature between -40°F to 178°F (-40°C to 81°C)

Color: Black or White

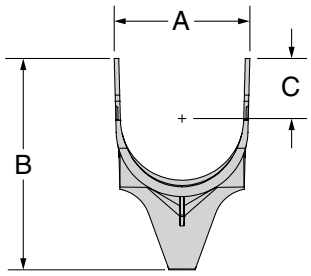
Service: Support of insulated horizontal refrigeration, air conditioning, and plumbing pipe.

Approvals: UL classified for USA (UL-723 (ASTM E84)) and ULC listed for Canada (ULC-S102.2)

Installation: Clip directly on Anvil-Strut™ AS200 1⅝" x 1⅝" strut channel.

Ordering: Specify figure number, size, and color. Anvil Shields allow for the support of insulated horizontal refrigeration, air conditioning, and plumbing pipe and tube.

Fig. 20: Dimensions (in)					
Size	A	B	C	D	E
A	2¼	4⁹/₁₆	1¹/₁₆	12	1⅝
B	3¼	5⁹/₁₆	1⁹/₁₆		
C	4¼	6⁹/₁₆	2¹/₁₆		
D	5¼	7⁹/₁₆	2⁹/₁₆		
E	6¼	8⁹/₁₆	3¹/₁₆		
F	8¼	11¹/₁₆	4¼		



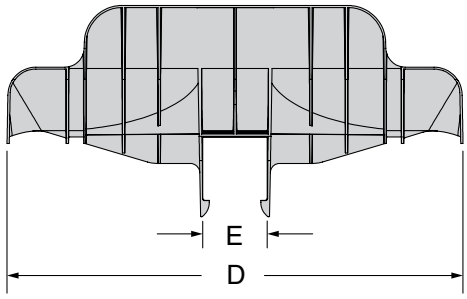


Fig. 20 SIZING TABLE FOR COPPER TUBE						
CTS Tube	Tube O.D.	Insulation Thickness				
		½"	¾"	1"	1½"	2"
¼"	0.375	A	A	B	C	D
⅜"	0.500					
½"	0.625					
⅝"	0.750					
¾"	0.875		B			
1"	1.125					
1¼"	1.375	B		C	D	E
1½"	1.625					
2"	2.125		C			
2½"	2.625	C		D	E	F
3"	3.125		D			
4"	4.125	D	E	E		

The sizing chart above represents recommendations based on nominal insulation thicknesses and it does not include manufacturing tolerances for insulation, steel jacketing, or other factors which may influence the outer diameter of the insulation. To determine the best product for your application, please reference the Fig. 20's "A" dimension.

Fig. 20 SIZING TABLE FOR NPS PIPE						
NPS Pipe	Pipe O.D.	Insulation Thickness				
		½"	¾"	1"	1½"	2"
¼"	0.504	A	A	B	C	D
⅜"	0.675					
½"	0.840					
¾"	1.050		B			
1"	1.315	B		C	D	E
1¼"	1.660					
1½"	1.900		C			
2"	2.375	C		D	E	F
2½"	2.875		D			
3"	3.500	D		E	F	
3½"	4.000		E			
4"	4.500	E		F	–	–
5"	5.563	F	F	–		
6"	6.625					

Fig. 21

STRUT SHIELD INSULATION COVER

Size Range: Up to 8 1/4" O.D. Insulation

Material: UV Resistant Polypropylene

Temperature: Operating temperature between -40°F to 178°F (-40°C to 81°C)

Color: Black or White

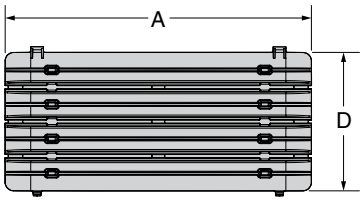
Approvals: UL classified for USA (UL-723 (ASTM E84)) and ULC listed for Canada (ULC-S102.2)

Installation:

- Cut to desired size.
- Place over insulation and line up mounting notches with Fig. 20.
- Secure insulation shield with tie wraps.

Ordering: Specify figure number, size, and color.

FIG. 21: DIMENSIONS (IN)					
Size	A	B	C	D	Fig. 20 Size
A	12	13/16	7/16	5 7/16	A to E
B				11 1/16	F



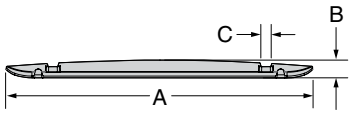


Fig. 31

UNIVERSAL SHIELD CLEVIS ADAPTER

Size Range: From 2" through 12" Clevis (Fig. 260) when used with Fig. 30.

Material: UV Resistant Polypropylene 20% Glass Filled

Temperature: Operating temperature between -40°F to 178°F (-40°C to 81°C)

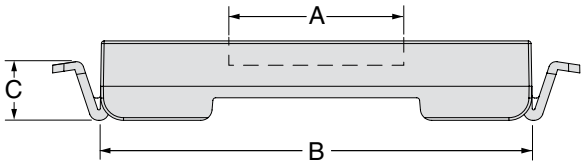
Color: Gray

Service: Support of insulated horizontal refrigeration, air conditioning, and plumbing pipe when used with Fig. 30.

Approvals: UL classified for USA (UL-723 (ASTM E84)) and ULC listed for Canada (ULC-S102.2)

Installation: After installation of Fig. 30 with Fig 260 clevis hanger, clip into the bottom of the Fig. 30 in order to secure the Fig. 260.

Ordering: Specify figure number and size.



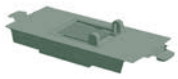
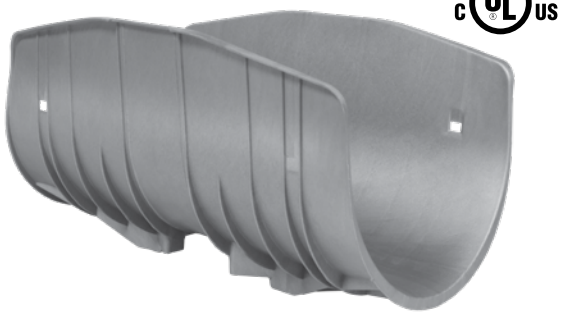


FIG. 31: DIMENSIONS (IN)		
A	B	C
1 7/8	4 3/4	7/8

Fig. 30

UNIVERSAL SHIELD

Size Range: Up to 12⅝" O.D. Insulation
Material: UV Resistant Polypropylene 20% Glass Filled
Temperature: Operating temperature between -40°F to 178°F (-40°C to 81°C)
Color: Gray
Service: Support of insulated horizontal refrigeration, air conditioning, and plumbing pipe.
Approvals: UL classified for USA (UL-723 (ASTM E84)) and ULC listed for Canada (ULC-S102.2)
Installation: Install on Fig. 260 clevis hanger or clip into Fig. 32, 33, 34, 36, or 37. When installed with Fig. 260 clevis hanger secure with Fig. 31.
Ordering: Specify figure number and size.



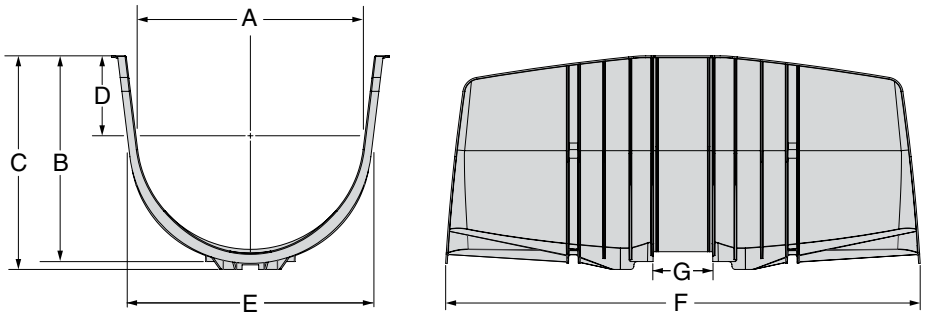


FIG. 30: DIMENSIONS (IN)								
Size	A	B	C	D	E	F	G	Fig. 260 Size
A	2 5/16	1 15/16	2 5/16	3/8	2 7/16	12	1 3/16	2
B	3 7/16	3 3/16	3 9/16	1 1/16	3 9/16	12	1 1/2	3
C	4 1/2	3 7/8	4 3/16	1 3/16	4 5/8	12	1 3/4	4
D	5 9/16	4 7/8	5 3/16	1 11/16	5 3/4	12		5
E	6 5/8	5 15/16	6 1/4	2 3/16	6 3/4	12	2 1/16	6
F	8 5/8	7 13/16	8 1/8	3 1/16	8 3/4	18	2 1/4	8
G	10 5/8			1 3/4	10 9/16	23		10
H	12 5/8	9 3/16	9 1/2	2 1/8	12 1/2	23		12

Fig. 30 SIZING TABLE FOR COPPER TUBE						
CTS Tube	Tube O.D.	Insulation Thickness				
		1/2"	3/4"	1"	1 1/2"	2"
1/4"	0.375	A	A	B	B	C
3/8"	0.500				C	D
1/2"	0.625					
5/8"	0.750					
3/4"	0.875		B			
1"	1.125					
1 1/4"	1.375	B		C	D	E
1 1/2"	1.625					
2"	2.125		C			
2 1/2"	2.625	C		D	E	F
3"	3.125		D			
4"	4.125	D	E	E		

The sizing chart above represents recommendations based on nominal insulation thicknesses and it does not include manufacturing tolerances for insulation, steel jacketing, or other factors which may influence the outer diameter of the insulation. To determine the best product for your application, please reference the Fig. 30's "A" dimension.

Fig. 30 SIZING TABLE FOR NPS PIPE						
NPS Pipe	Pipe O.D.	Insulation Thickness				
		1/2"	3/4"	1"	1 1/2"	2"
1/4"	0.504	A	A	B	C	D
3/8"	0.675					
1/2"	0.840					
3/4"	1.050		B			
1"	1.315					
1 1/4"	1.660	B		C	D	E
1 1/2"	1.900					
2"	2.375		C			
2 1/2"	2.875	C		D	E	F
3"	3.500		D			
3 1/2"	4.000	D		E	F	
4"	4.500		E			
5"	5.563	E	F	F	G	G
6"	6.625	F				
8"	8.625	G	G	G	H	H
10"	10.75	H	H	–	–	–

This section is to provide you with information regarding the manufacturing specifications and procedures on our Anvil-Strut channel and accessories.

This section also provides you with helpful information on beam and column loading, as well as other design information, to help design a strut system for your particular application.

We at Anvil International are committed to customer service and so we offer the services of our Engineering Department to answer any questions you may have.

CHANNEL SPECIFICATIONS

Materials

CARBON STEEL

Channels are formed from high-quality, structural grade carbon steel which has been manufactured in accordance with ASTM A-1011-04-SS Grade 33 (hot rolled), or ASTM 366 (cold rolled), with mechanical properties of 33 ksi minimum yield and 52 ksi minimum tensile strength. The precision roll-forming process by which the channels are formed “cold works" the steel, thereby increasing its mechanical properties.

STAINLESS STEEL

Channels are formed from chromium-nickel stainless steel sheet manufactured in accordance with ASTM A-240 specification, offered in both AISI Type 304 and 316 material to provide protection in varying corrosive conditions.

ALUMINUM

Extruded aluminum channel is produced from 6063-T6 alloy, and fittings are produced from 5052-H32 alloy, both in accordance with ASTM B-221 specifications. Aluminum is suitable for use in various corrosive environments.

Finishes

PRE-GALVANIZED

Hot dip, mill galvanized coating produced through a process of continuously passing the steel through a bath of molten zinc. This process is performed in accordance with ASTM A-653. The thickness of the zinc coating conforms with ASTM G-90 which represents a coating thickness of .90 ounces of zinc per square foot. This coating is applied to the steel master coils prior to slitting and fabrication.

HOT DIP GALVANIZED - POST FABRICATION

The finished channel is completely immersed in a bath of molten zinc, resulting in the complete coating of all surfaces of the product, including edges and welds. Strut channels that are hot dip galvanized, have a total coating weight of 3.0 ounces of zinc per square foot in accordance with ASTM A-123 specification. This coating provides superior results in applications calling for prolonged outdoor exposure.

SUPR-GREEN POWDER COATING

Strut channels are coated after fabrication with polyester powder finish. This coating is applied using an electrostatic spray process, beginning with cleaning and phosphating, through a bonderite pretreatment process, and ending with oven curing. The resulting finish provides a high quality appearance and durability. Powder Coating is in accordance with ASTM B-117 (standard practice for operating salt spray (fog) apparatus) to 500 hours with less than ⅛" scribe creep.

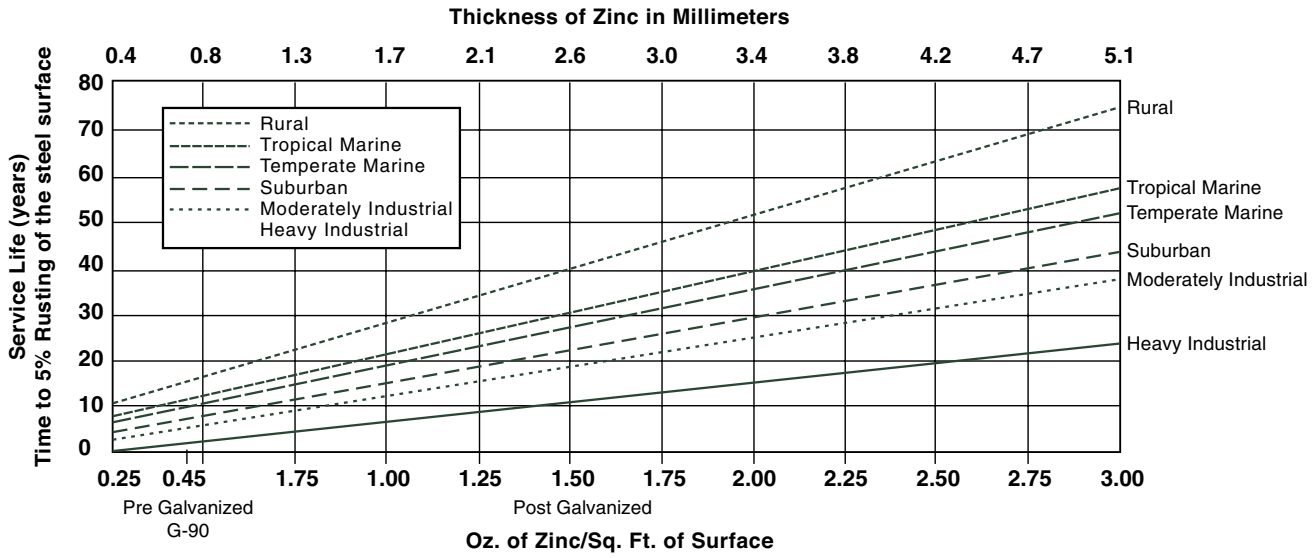
ZINC TRIVALENT CHROMIUM

The finished channel undergoes a multi-step process consisting of electrogalvanizing, in accordance with ASTM B-633-85, followed by an application of zinc trivalent chromium, which provides the distinctive gold coloration of the finish. All surfaces are coated because the process is performed after fabrication.

PVC

A corrosive resistant PVC (polyvinyl chloride) coating is applied over the completed strut channel. The coating process consists of surface pretreatment, followed by preheating of the part, which is then passed through a fluidized bed of vinyl plastic powder. The powder melts onto the heated channel forming a smooth coating which undergoes a final heat curing.

LIFE OF PROTECTION VS. THICKNESS OF ZINC AND TYPE OF ATMOSPHERE



The chart above represents the expected life of Anvil-Strut when exposed to various atmospheres, ranging from moderate to severe. This chart is helpful for the designer when selecting which galvanized coating is best suited for the given application. It has been compiled from many years of service in the various industries Anvil serves.

Anvil's outstanding quality control procedures assure the end user each piece of Anvil-Strut has been manufactured to the most rigid specifications in the industry, and will provide the level of field service you have come to expect from Anvil's products.

Should you have a custom application that requires additional information, our engineering department is ready to review it.

Courtesy of American Galvanizers Association.

FUNDAMENTALS OF DESIGN

BEAMS

Beams are members which are subjected to loads at right angles (perpendicular) to their length. Most commonly, beams are horizontal and are therefore subjected to vertical loads usually related to gravity, i.e.- a shelf, platform or support for pipe or conduit. Loads cause beams to bend, called deflection. The ultimate consideration when designing a beam structure is whether or not it is strong enough. In other words, will it hold the anticipated load and provide a safety factor for unanticipated loads or other variations in conditions. A beam's ability to support a load is determined by its allowable bending moment and resulting amount of deflection. This load carrying ability is dependent on a number of factors: the amount of load, the type of load, the manner in which the beam is supported and the stiffness of the beam (a function of the beam's shape and the material from which it is made).

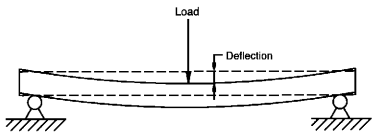
LOADING AND DEFLECTION

All beams will deflect or "sag" when a load is applied. The magnitude of the deflection is dependent on the following factors:

(a) The amount of load plus the weight of the beam itself.
(b) The manner in which the load is distributed.
(c) The method by which the beam is supported.
(d) The cross sectional shape of the beam.
(e) The material from which the beam is made.

The stiffness of the beam derived from its cross sectional shape is defined by its "Moment of Inertia' or "I". The greater the "I" value of a beam, the greater its stiffness and the smaller its deflection. "I" values are given for both major axis (X-X and Y-Y). Increasing the height of the strut channel (Y-Y axis) is a straightforward way to increase its stiffness and lower its deflection.

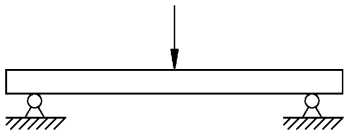
The stiffness of a beam derived from its material composition is defined by its "Modulus of Elasticity" or "E". The greater the "E" value of the beam's material, the stiffer it is, and the smaller the deflection. A material's elasticity does not necessarily relate to its strength but rather its deflection under a given load.

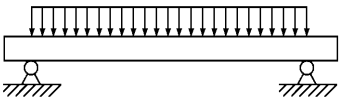


The beam capacities in this catalog include the weight of the beam itself. Therefore, the strut beam weight must be subtracted from the loading capacities given to provide the net beam capacity.

TYPES OF BEAM LOADING

Point Load - A point load is concentrated at a single point along the beam's span (in reality, the load is concentrated over a very small length of the beam).

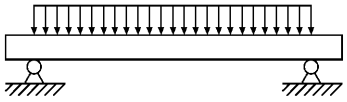




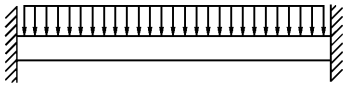
Uniform Load - A uniform load is spread evenly over the length of the beam from support to support.

TYPES OF BEAM SUPPORT CONDITIONS

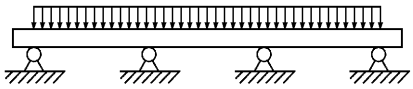
Simple Beam - A simple beam is supported at both ends by non-fixed connections which prevent vertical movement at the support point, but allow the beam to rotate or flex into a normal deflected shape. The majority of bolted metal framing connections closely approximate these conditions. The loading data presented in this catalog is based on simple beam analysis unless otherwise noted.



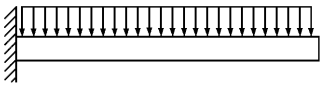
Fixed Beam - A fixed beam has rigid connections at each end that restrict the rotation of the beam and resist its deflection. The increased stiffness provided by this resistance to rotation provides a greater load capacity than that of an equivalent simple beam. A fixed-end beam would result when a channel span is welded to rigid upright supports.



Continuous Beam - A continuous beam rests on more than two supports. The outside spans of a continuous beam will act like simple beams, while the interior spans will behave in a manner similar to fixed beams.



Cantilever Beams - A cantilever beam is supported by a fixed, rigid connection at one end and is totally unsupported at the opposite end. Shelf brackets and many of the strut brackets shown in this catalog are examples of cantilever beams.



DESIGN OF STRUT SYSTEMS

SAFETY FACTOR, STRESS AND BENDING MOMENT

The most important design consideration is the determination of adequate load bearing capacity. The beam must support its own weight, plus the weight of anticipated loads, and in addition, have enough capacity to safely handle unanticipated loads and variations in other relevant conditions. This “safety factor" is usually established by various design codes and standards. One method of measuring a beams capacity is the allowable stress method whereby the beams maximum allowable stress is determined in pounds per square inch (psi).

The maximum allowable uniform loads (and corresponding deflections) presented in this catalog for strut channel beam loads are based on a simple beam configuration utilizing an allowable stress of 25,000 psi. This maximum allowable stress provides a theoretical safety factor of 1.68 which is derived from carbon steel’s minimum yield strength of 33,000 psi, which is increased to 42,000 psi as a result of the steel being cold worked in the rolling process. In addition, the data given in this catalog under maximum allowable uniform loads is consistent with the current AISI “Specification For the Design of Cold-Formed Steel Structural Members. The bending moment divided by a beam’s sectional modulus “S" equals stress.

As mentioned above, all beams will deflect or sag under load. It is worth noting that noticeable sagging is not an indication of an incorrectly designed beam installation. There may be situations however where it is desirable to address the visual appearance of an installation by minimizing deflection. In most applications a deflection equating to L/240 of the span’s length will provide an acceptable appearance. The tables presented in this catalog show loading at L/240 deflections, as well as loading at 1/360 deflections that can be used in situations which have highly demanding visual requirements.

BOLT TORQUE

Recommended bolt torque values are given below. These torque values are suggested as a guideline to assist in arriving at the proper bolt tension. It should be kept in mind that the relationship between wrench torque and bolt tension is not always consistent. Factors effecting this relationship include metal finish and the presence or lack of a lubricant. Lubricated threads will increase the bolt tension for a given amount torque applied, and could potentially result in over torquing. The values shown here assume a properly calibrated torque wrench and clean, non-lubricated bolt, nut, washer and fitting.

BOLT SIZE	¼ - 20	5/16 - 18	⅜ - 16	½ - 13
FOOT-LBS	6	11	19	50

COLUMNS

Columns are structural members that support compression loads (loads that are parallel to the length of the column). While most often vertical, any structural member that is loaded in compression, such as a diagonal brace, is considered a column.

Allowable column loading is dependent on a number of factors:

(a) Column length - Column length is the distance between brace points.

(b) Concentric vs eccentric loading - Concentric loading is a load applied upon the cross-sectional center of gravity, such as a load which rests on the top of a column. An eccentric load is any load which is not concentric. A fitting bolted to a strut channel slot will impart an eccentric load to the channel. The data presented in this catalog assumes concentric loading.

(c) Support conditions - The column end support condition is mathematically represented by its “K-factor". A pinned connection is one that prevents lateral movement, but allows rotation. A fixed connection provides restraint against both lateral movement and rotation. A free top connection is one that is restrained against rotation but is free to move laterally. The data presented in this catalog assumes a pinned top/pinned bottom condition (“K" equals 1.0).

(d) Cross-sectional shape - The column’s cross-sectional shape Is represented by its “Radius of Gyration" or “r" value. The axis with the smaller “r" value should be used for design evaluation.

In accordance with AISI “Specification for the Design of Cold Formed Steel Structural Members", column load data shown in this catalog is based on 33,000 psi yield strength. The data takes into account the effect of torsional and/or torsional-flexural buckling. Where possible, columns should be braced to minimize these effects.

ELECTRICAL METALLIC TUBING DATA

Nom. Size EMT Conduit	OD Conduit	Conduit Wt. lbs./ft.	Approx. Max. Wt. (lbs./ft.) Conduit and Conductor Not Lead Covered
1/2	0.706	0.29	0.54
3/4	0.922	0.45	1.16
1	1.163	0.65	1.83
1 1/4	1.510	0.96	2.96
1 1/2	1.740	1.11	3.68
2	2.197	1.41	4.45
2 1/2	2.875	2.15	6.41
3	3.500	2.60	9.30
3 1/2	4.000	3.25	12.15
4	4.500	3.90	15.40

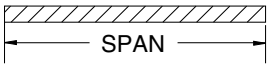
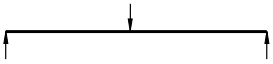
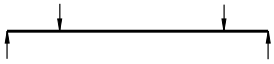
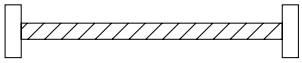
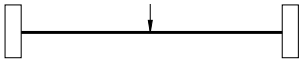
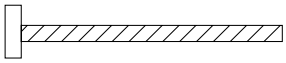
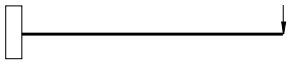
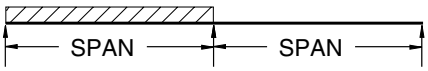
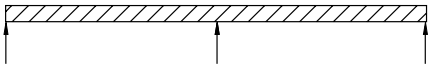
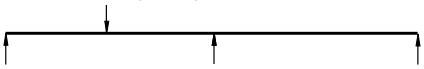
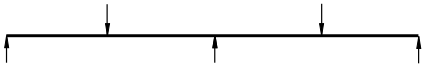
APPLICATION ENGINEERING DATA - CONDUIT SPACINGS

Spacings in inches between centers of conduits. The light face figures are the minimum dimensions to provide clearance between locknuts. The more liberal spacings printed in bold face type should be used whenever possible.

	Size												
Size	**1/2"**	**3/4"**	**1"**	**1 1/4"**	**1 1/2"**	**2**	**2 1/2"**	**3**	**3 1/2"**	**4"**	**4 1/2"**	**5"**	**6"**
3/4"	1 5/16	1 7/16	–	–	–	–	–	–	–	–	–	–	–
	1 1/2	**1 5/8**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
1"	1 1/2	1 5/8	1 3/4	–	–	–	–	–	–	–	–	–	–
	1 3/4	**1 7/8**	**2**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
1 1/4"	1 3/4	1 7/8	2	2 1/4	–	–	–	–	–	–	–	–	–
	2	**1 1/8**	**2 1/4**	**2 1/2**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
1 1/2"	1 15/16	2 1/16	2 3/16	2 7/16	2 9/16	–	–	–	–	–	–	–	–
	2 1/8	**2 1/4**	**2 3/8**	**2 5/8**	**2 3/4**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
2"	2 3/16	2 5/16	2 1/2	2 3/4	2 7/8	3 1/8	–	–	–	–	–	–	–
	2 3/8	**2 1/2**	**2 3/4**	**3**	**3 1/8**	**3 3/8**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
2 1/2"	2 7/16	2 9/16	2 3/4	3	3 1/8	3 3/8	3 5/8	–	–	–	–	–	–
	2 5/8	**2 3/4**	**3**	**3 1/4**	**3 3/8**	**3 5/8**	**4**	**–**	**–**	**–**	**–**	**–**	**–**
3"	2 13/16	2 15/16	3 1/16	3 5/16	3 7/16	3 3/4	4	4 5/16	–	–	–	–	–
	3	**3 1/8**	**3 3/8**	**3 5/8**	**3 3/4**	**4**	**4 3/8**	**4 3/4**	**–**	**–**	**–**	**–**	**–**
3 1/2"	3 1/8	3 1/4	3 3/8	3 5/8	3 3/4	4 1/16	4 5/16	4 5/8	4 15/16	–	–	–	–
	3 3/8	**3 1/2**	**3 5/8**	**3 7/8**	**4**	**4 3/8**	**4 5/8**	**5**	**5 3/8**	**–**	**–**	**–**	**–**
4"	3 7/16	3 9/16	3 11/16	3 15/16	4 1/16	4 3/8	4 5/8	4 15/16	5 1/4	5 9/16	–	–	–
	3 3/4	**3 7/8**	**4**	**4 1/4**	**4 3/8**	**4 3/4**	**5**	**5 3/8**	**5 5/8**	**6**	**–**	**–**	**–**
4 1/2"	3 3/4	3 7/8	4	4 1/4	4 3/8	4 5/8	4 7/8	5 1/4	5 9/16	5 7/8	6 1/8	–	–
	4	**4 1/8**	**4 1/4**	**4 1/2**	**4 3/4**	**5**	**5 1/4**	**5 5/8**	**6**	**6 1/4**	**6 1/2**	**–**	**–**
5"	4 1/8	4 1/4	4 3/8	4 5/8	4 3/4	5	5 1/4	5 9/16	5 7/8	6 3/16	6 1/2	6 13/16	–
	4 3/8	**4 1/2**	**4 5/8**	**4 7/8**	**5**	**5 3/8**	**5 5/8**	**6**	**6 1/4**	**6 5/8**	**7**	**7 1/4**	**–**
6"	4 3/4	4 7/8	5	5 1/4	5 3/8	5 5/8	5 7/8	6 3/16	6 1/2	6 13/16	7 1/8	7 7/16	8 1/8
	5	**5 1/8**	**5 1/4**	**5 1/2**	**5 5/8**	**6**	**6 1/4**	**6 5/8**	**7**	**7 1/4**	**7 5/8**	**8**	**8 5/8**

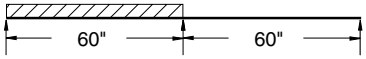
ANVIL-STRUT BEAM LOADING FORMULAS

For determining beam load other than simple beam load (supported at both ends), use the appropriate factor from the chart below and multiply by data provided on the appropriate channel page.

Load and Support Condition	Load Factor	Deflection Factor
Simple Beam – Uniform Load 	1.00	1.00
Simple Beam – Concentrated Load at Center 	.50	.80
Simple Beam – Two Equal Concentrated Loads at 1/4 Points 	1.00	1.10
Beam Fixed at Both Ends – Uniform Load 	1.50	.30
Beam Fixed at Both Ends – Concentrated Loads at Center 	1.00	.40
Cantilever Beam – Uniform Load 	.25	2.40
Cantilever Beam – Concentrated Load at End 	.12	3.20
Continuous Beam – Two Equal Spans – Uniform Load on One Span 	1.30	.92
Continuous Beam – Two Equal Spans – Uniform Load on Both Spans 	1.00	.42
Continuous Beam – Two Equal Spans – Concentrated Load at Center of One Span 	.62	.71
Continuous Beam – Two Equal Spans – Concentrated Load at Center of Both Spans 	.67	.48

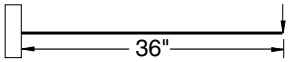
Examples:

Problem:
Calculate the load and corresponding deflection of the AS 200 beam continuous over one support and loaded uniformly on one span.



Solution:
From the load table for AS 200, for a 60" span, the maximum allowable load is 650 lbs. and the corresponding deflection is .344". Multiplying by the appropriate factors shown in the chart above:
Load = 650 lbs. x 1.3 = 845 lbs.
Deflection = .344" x .92 = .316"

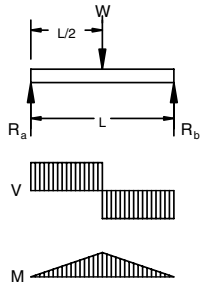
Problem:
Calculate the load and corresponding deflection of a cantilever AS 150 beam with a concentrated load on the end.



Solution:
From beam load chart for AS 150, for a 36" span, the maximum allowable load is 2101 lbs. and the corresponding deflection is .085". Multiplying by the appropriate factors shown in the chart above:
Load = 2102 lbs. x .12 = 252 lbs.
Deflection = .085" x 3.20 = .272"

COMMON BEAM LOADING FORMULAS

SIMPLE BEAMS

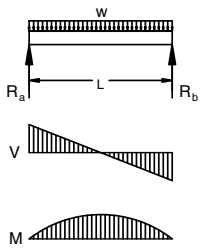


$R_a = R_b = \frac{W}{2}$

$V_{max} = \frac{W}{2}$

$M_{max} = \frac{WL}{4}$

$\triangle_{max} = \frac{WL^3}{48EI}$

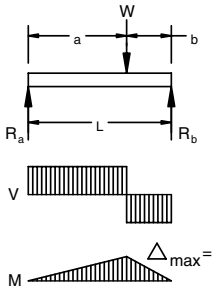


$R_a = R_b = \frac{wL}{2}$

$V_{max} = \frac{wL}{2}$

$M_{max} = \frac{wL^2}{8}$

$\triangle_{max} = \frac{5wL^4}{384EI}$



$R_a = \frac{Wb}{L}$

$R_b = \frac{Wa}{L}$

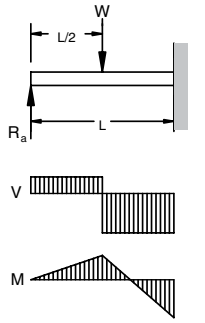
$V_{max} = \frac{Wa}{L}$

$M_{max} = \frac{Wab}{L}$

$\triangle_{max} = \frac{Wab(a+2b)\sqrt{3a(a+2b)}}{27EIL}$

$@x = \sqrt{\frac{a(a+2b)}{3}}$

BEAM FIXED AT ONE END, SUPPORTED AT OTHER



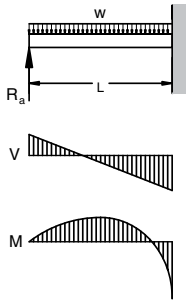
$R_a = \frac{5W}{16}$

$V_{max} = \frac{11W}{16}$

$M_{max} = \frac{5WL}{32}$

$\triangle_{max} = \frac{.009317\,WL^3}{EI}$

$@x = 0.447L$



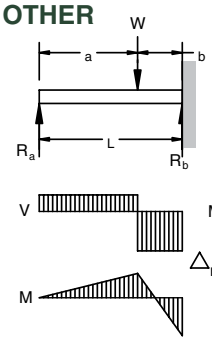
$R_a = R_b = \frac{3wL}{8}$

$V_{max} = \frac{5wL}{8}$

$M_{max} = \frac{wL^2}{8}$

$\triangle_{max} = \frac{wL^4}{185EI}$

$@x = 0.4215L$



$R_a = \frac{Wb^2}{2L^3}(a+2L)$

$R_b = \frac{Wa}{2L^3}(3L^2-a^2)$

$M_{point\ of\ load} = R_a a$

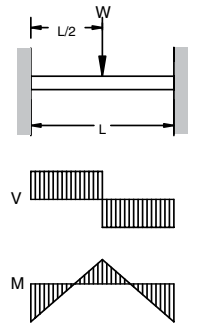
$M_{fixed\ end} = \frac{Wab}{2L^2}(a+L)$

$M_{max} = \frac{Wab}{2L^3}(L-a)^2(2L+a)$

$\triangle_{max} = \frac{Wa(L^2-a^2)}{6EI}\sqrt{\frac{a}{(2L+a)}}$

$@x = L\sqrt{\frac{a}{(2L+a)}}$

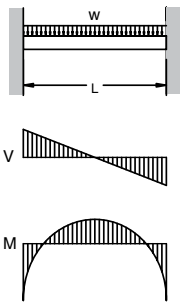
BEAM FIXED AT BOTH ENDS



$V_{max} = \frac{W}{2}$

$M_{max} = \frac{WL}{8}$

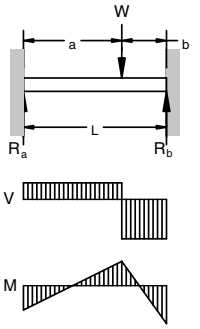
$\triangle_{max} = \frac{WL^3}{192EI}$



$V_{max} = \frac{wL}{2}$

$M_{max} = \frac{wL^2}{12}$

$\triangle_{max} = \frac{wL^4}{384EI}$



$R_a = \frac{Wb^2}{L^3}(3a+b)$

$R_b = \frac{Wa^2}{L^3}(a+3b)$

$M_a = \frac{Wab^2}{L^2}$

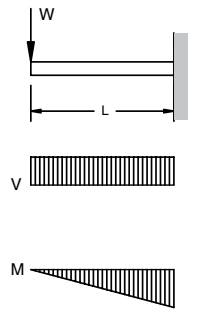
$M_b = \frac{Wa^2b}{L^2}$

$M_{max} = \frac{2Wa^2b^2}{L^3}$

$\triangle_{max} = \frac{2Wa^3b^2}{3EI(1+2a)^2}$

$@x = \frac{2aL}{L+2a}$

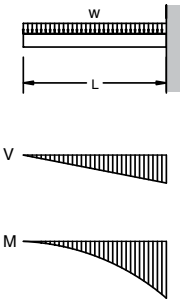
CANTILEVER BEAMS



$V_{max} = W$

$M_{max} = WL$

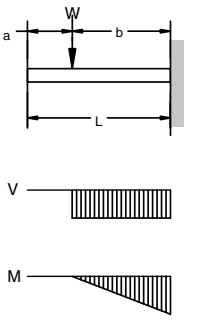
$\triangle_{max} = \frac{WL^3}{3EI}$



$V_{max} = wL$

$M_{max} = \frac{wL^2}{2}$

$\triangle_{max} = \frac{wL^4}{8EI}$



$V_{max} = W$

$M_{max} = Wb$

$\triangle_{max} = \frac{Wb^2(3L-b)}{6EI}$

R- Reaction
M-Moment
W-Concentrated Load

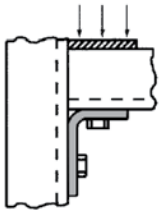
w-Uniform Load (Weight/Unit Length)
V-Shear
L-Length

△-Deflection
E-Modulus of Elasticity
I-Moment of Inertia

DESIGN LOAD DATA

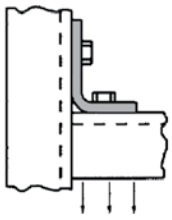
(For typical channel-fitting connections when USED IN PAIRS, i.e., fittings at each end of beam.)

90° Fitting



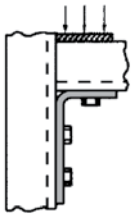
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1500	1000	750
kN	(6.67)	(4.45)	(3.34)

90° Fitting



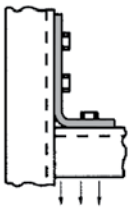
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1000	650	500
kN	(4.45)	(2.89)	(2.22)

90° Fitting



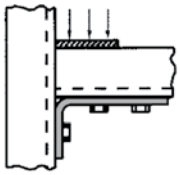
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2000	1500	900
kN	(8.90)	(6.67)	(4.00)

90° Fitting



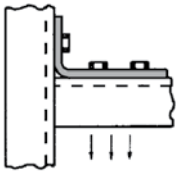
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1500	1150	650
kN	(6.67)	(5.12)	(2.89)

90° Fitting



Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1500	1000	1000
kN	(6.67)	(4.45)	(4.45)

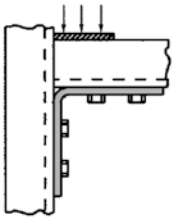
90° Fitting



Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1000	650	500
kN	(4.45)	(2.89)	(2.22)

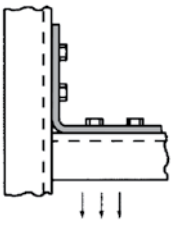
Design load data includes a safety factor of 2.5 (safety factor = ratio of ultimate load to design load).

90° Fitting



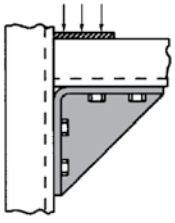
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2500	2000	1500
kN	(11.12)	(8.90)	(6.67)

90° Fitting



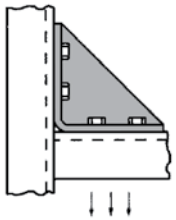
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2000	1650	1250
kN	(8.90)	(7.34)	(5.56)

90° Fitting



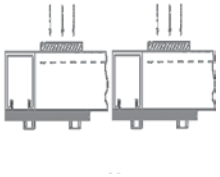
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	3000	2000	1500
kN	(13.34)	(8.90)	(6.67)

90° Fitting



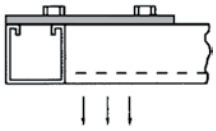
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2500	1650	1250
kN	(11.12)	(7.34)	(5.56)

Flat Fitting



Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1000	800	600
kN	(4.45)	(3.56)	(2.67)

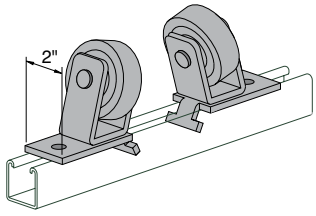
Flat Fitting



Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1000	800	600
kN	(4.45)	(3.56)	(2.67)

AS 815
(6" – 16" PIPE) DOUBLE ROLLER PIPE SUPPORT

Order Nuts and Bolts Separately.



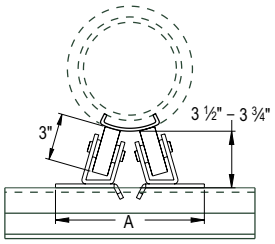
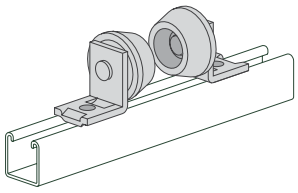


Chart for Dimension A							
Pipe Size	No Insulation	1"	1½"	2"	2½"	3"	4"
6"	9½"	10¼"	10½"	10¾"	11"	11⅜"	11⅞"
8"	10⅛"		11"	11⅜"	11¾"	12"	12½"
10"	10¾"		11⅝"	12"	12¼"	12½"	13"
12"	11¼"		12⅛"	12½"	12¾"	13"	13½"
14"	11⅝"		12½"	12⅞"	13"	13⅜"	14"
16"	12⅛"		13"	13⅜"	13⅞"	14"	14½"

AS 1901
(½" – 4" PIPE) PIPE ROLLER SUPPORT



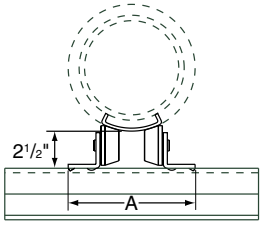
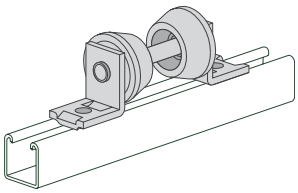


Chart for Dimension A							
Pipe Size	No Insulation	1"	1½"	2"	2½"	3"	4"
½"	6½"	6½"					
¾"	6½"	6½"	6⅝"	6⅞"			
1"	6½"	6½"	6⅝"	6⅞"			
1¼"	6½"	6½"	6⅞"	7⅛"	7⅜"		
1½"	6½"	6½"	6⅞"	7⅛"	7⅜"		
2"	6½"	6⅝"	7⅛"	7⅜"	7½"	8"	
2½"	6½"	6⅝"	7⅛"	7⅜"	7½"	8"	
3"	6½"	7"	7½"	7¾"	7⅞"	8⅛"	
3½"	6½"	7"	7½"	7¾"	7⅞"	8⅛"	
4"	6⅝"	7¼"	7⅝"	7⅞"	8"	8⅜"	9

AS 1902
(1" – 8" PIPE) PIPE ROLLER SUPPORT



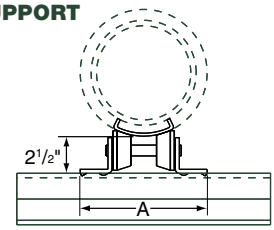
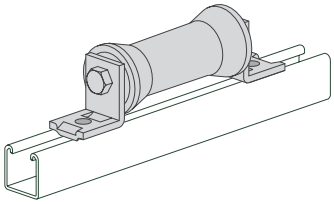


Chart for Dimension A	
AS 1902 Size	Dimension A
1" - 2"	6¾"
2½" - 3½"	7½"
4" - 6"	8½"
8"	9 9/16"

AS 1902 Size Selection							
Pipe Size	No Insulation	1"	1½"	2"	2½"	3"	4"
½"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"			
¾"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"			
1"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"			
1¼"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"			
1½"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-2½"-3½"		
2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-2½"-3½"		
2½"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-2½"-3½"		
3"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
3½"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
4"	AS 1902-1"-2"	AS 1902-2½"-3½"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
5"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"
6"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"
8"	AS 1902-2½"-3½"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"	AS 1902-8"	AS 1902-8"	AS 1902-8"

AS 1911
PIPE ROLLER



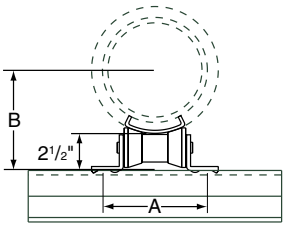


Chart for Dimension A			
Size	Fit Pipe Size	A	B
2" - 3½"	2"	5"	3"
	2½"	5"	3¼"
	3"	5"	3⅝"
	3½"	5"	3⅞"
4" - 6"	4"	5⅞"	4 5/16"
	5"	5⅞"	4⅞"
	6"	5⅞"	5 7/16"
8" - 10"	8"	8 5/16"	7⅛"
	10"	8 5/16"	8¼"
12" - 14"	12"	10⅞"	9⅞"
	14"	10⅞"	10½"

NOTE: Anvil Strut Rollers Consist of Cast Iron Roller & Steel Bracket.

MINIMUM SIZE ANVIL-STRUT CHANNEL

(To Comply with NFPA 13 Table 2-6.1 5(a) 1996 Edition)

Channel Size	Section Mod. (in.3)
AS–200 1⅝" x 1⅝" x 12 ga.	.202
AS–150 1⅝" x 2⅞" x 12 ga.	.391
AS–100 1⅝" x 3¼" x 12 ga.	.698

Channel Size	Section Mod. (in.3)
AS–150 BTB 1⅝" x 4⅞" x 12 ga.	1.153
AS–100 BTB 1⅝" x 6½" x 12 ga.	1.716

Section Modulus Required for Trapeze Members (in.³)

Span of Trapeze	Pipe Size											
	1"	1¼"	1½"	2"	2½"	3	3½"	4"	5"	6"	8"	10"
1 ft. 6 in.	.08	.09	.09	.09	.10	.11	.12	.13	.15	.18	.24	.32
	.08	.09	.09	.10	.11	.12	.13	.15	.18	.22	.30	.41
2 ft. 0 in.	.11	.12	.12	.13	.13	.15	.16	.17	.20	.24	.32	.43
	.11	.12	.12	.13	.15	.16	.18	.20	.24	.29	.40	.55
2 ft. 6 in.	.14	.14	.15	.16	.17	.18	.20	.21	.25	.30	.40	.54
	.14	.15	.15	.16	.18	.21	.22	.25	.30	.36	.50	.68
3 ft. 0 in.	.17	.17.	.18	.19	.20	.22	.24	.26	.31	.36	.48	.65
	.17	.18	.18	.20	.22	.25	.27	.30	.36	.43	.60	.82
4 ft. 0 in.	.22	.23	.24	.25	.27	.29	.32	.34	.41	.48	.64	.87
	.22	.24	.24	.26	.29	.33	.36	.40	.48	.58	.80	1.09
5 ft. 0 in.	.28	.29	.30	.31	.34	.37	.40	.43	.51	.59	.80	1.08
	.28	.29	.30	.33	.37	.41	.45	.49	.60	.72	1.00	1.37
6 ft. 0 in.	.33	.35	.36	.38	.41	.44	.48	.51	.61	.71	.97	1.30
	.34	.35	.36	.39	.44	.49	.54	.59	.72	.87	1.20	1.64
7 ft. 0 in.	.39	.40	.41	.44	.47	.52	.55	.60	.71	.83	1.13	1.52
	.39	.41	.43	.46	.51	.58	.63	.69	.84	1.01	1.41	1.92
8 ft. 0 in.	.44	.46	.47	.50	.54	.59	.63	.68	.81	.95	1.29	1.73
	.45	.47	.49	.52	.59	.66	.72	.79	.96	1.16	1.61	
9 ft. 0 in.	.50	.52	.53	.56	.61	.66	.71	.77	.92	1.07	1.45	
	.50	.53	.55	.59	.66	.74	.81	.89	1.08	1.30		
10 ft. 0 in.	.56	.58	.59	.63	.69	.74	.79	.85	1.02	1.19	1.61	
	.56	.59	.61	.65	.74	.82	.90	.99	1.20	1.44		

Top values are for Schedule 10 pipe; bottom values are for Schedule 40 pipe.

PIPE CHARTS

1" Pipe Size - 1.313" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.133	0.179	0.250	0.358
Pipe - Lbs/Ft.	1.68	2.17	2.84	3.66
Water - Lbs/Ft.	0.37	0.31	0.23	0.12

1-¼" Pipe Size - 1.660" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.140	0.191	0.25	0.382
Pipe - Lbs/Ft.	2.27	3.00	3.76	5.22
Water - Lbs/Ft.	0.65	0.56	0.46	0.27

1-½" Pipe Size - 1.900" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.145	0.200	0.281	0.400
Pipe - Lbs/Ft.	2.72	3.63	4.87	6.41
Water - Lbs/Ft.	0.88	0.77	0.61	0.41

2" Pipe Size - 2.375" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.154	0.218	0.343	0.436
Pipe - Lbs/Ft.	3.65	5.02	7.45	9.03
Water - Lbs/Ft.	1.46	1.28	0.97	0.77

2-½" Pipe Size - 2.875" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.203	0.276	0.375	0.552
Pipe - Lbs/Ft.	5.79	7.66	10.0	13.7
Water - Lbs/Ft.	2.08	1.84	1.54	1.07

3" Pipe Size - 3.500" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.216	0.300	0.438	0.600
Pipe - Lbs/Ft.	7.58	10.3	14.3	18.6
Water - Lbs/Ft.	3.2	2.86	2.34	1.80

3-½" Pipe Size - 4.000" O.D.			
Schedule No.	40	80	
Wall Designation	Std.	XS	XXS
Thickness - In.	0.266	0.318	0.636
Pipe - Lbs/Ft.	9.11	12.51	22.85
Water - Lbs/Ft.	4.28	3.85	2.53

4" Pipe Size - 4.500" O.D.					
Schedule No.	40	80	120	160	
Wall Designation	Std.	XS			XXS
Thickness - In.	0.237	0.337	0.437	0.531	0.674
Pipe - Lbs/Ft.	10.8	15.0	19.0	22.5	27.5
Water - Lbs/Ft.	5.51	4.98	4.47	4.02	3.38

5" Pipe Size - 5.563" O.D.					
Schedule No.	40	80	120	160	
Wall Designation	Std.	XS			XXS
Thickness - In.	0.258	0.375	0.500	0.625	0.75
Pipe - Lbs/Ft.	14.6	20.8	27.4	32.9	38.6
Water - Lbs/Ft.	8.66	7.89	7.06	7.33	5.62

6" Pipe Size - 6.625" O.D.					
Schedule No.	40	80	120	160	
Wall Designation	Std.	XS			XXS
Thickness - In.	0.280	0.432	0.562	0.718	0.864
Pipe - Lbs/Ft.	19.0	28.6	36.4	45.3	53.2
Water - Lbs/Ft.	12.5	11.3	10.3	9.16	8.14

8" Pipe Size - 8.625" O.D.									
Schedule No.	30	40	60	80	100	120	140		160
Wall Designation		Std.		XS				XXS	
Thickness - In.	0.277	0.322	0.406	0.500	0.593	0.718	0.812	0.875	0.906
Pipe - Lbs/Ft.	24.70	28.55	35.64	43.4	50.9	60.6	67.8	72.4	74.7
Water - Lbs/Ft.	22.18	21.69	20.79	19.8	18.8	17.6	16.7	16.1	15.8

10" Pipe Size - 10.750" O.D.								
Schedule No.	30	40	60	80	100	120	140	160
Wall Designation		Std.	XS					
Thickness - In.	0.307	0.365	0.500	0.593	0.718	0.843	1.000	1.125
Pipe - Lbs/Ft.	34.24	40.5	54.7	64.3	76.9	89.2	104.1	115.7
Water - Lbs/Ft.	34.98	34.1	32.3	31.1	29.5	28.0	26.1	24.6

12" Pipe Size - 12.750" O.D.									
Schedule No.	30		40		80	100	120	140	160
Wall Designation		Std.		XS					
Thickness - In.	0.330	0.375	0.406	0.500	0.687	0.843	1.000	1.125	1.312
Pipe - Lbs/Ft.	43.8	49.6	53.5	65.4	88.5	107.2	125.5	139.7	160.3
Water - Lbs/Ft.	49.7	49.0	48.5	47.0	44.0	41.6	39.3	37.5	34.9

14" Pipe Size - 14.0" O.D.									
Schedule No.	20	30	40		80	100	120	140	160
Wall Designation		Std.		XS					
Thickness - In.	0.312	0.375	0.437	0.500	0.750	0.937	1.093	1.250	1.406
Pipe - Lbs/Ft.	45.7	54.6	63.4	72.1	106.1	130.7	150.7	170.2	189.1
Water - Lbs/Ft.	60.92	59.7	58.7	57.5	53.2	50.0	47.5	45.0	42.6

16" Pipe Size - 16.0" O.D.								
Schedule No.	20	30	40	80	100	120	140	160
Wall Designation		Std.	XS					
Thickness - In.	0.312	0.375	0.500	0.843	1.031	1.218	1.437	1.593
Pipe - Lbs/Ft.	52.4	62.6	82.8	136.5	164.8	192.3	223.6	245.1
Water - Lbs/Ft.	80.5	79.1	76.5	69.7	66.1	62.6	58.6	55.9

18" Pipe Size - 18.0" O.D.									
Schedule No.	20		30		40	60	80	120	160
Wall Designation		Std.		XS					
Thickness - In.	0.312	0.375	0.437	0.500	0.563	0.750	0.937	1.375	1.781
Pipe - Lbs/Ft.	59.0	70.6	82.1	93.5	104.8	138.2	170.8	244.1	308.5
Water - Lbs/Ft.	102.8	101.2	99.9	98.4	97.0	92.7	88.5	79.2	71.0

20" Pipe Size - 20.0" O.D.									
Schedule No.	20	30	40	60	80	100	120	140	160
Wall Designation	Std.	XS							
Thickness - In.	0.375	0.500	0.593	0.812	1.031	1.281	1.500	1.750	1.968
Pipe - Lbs/Ft.	78.6	104.1	122.9	166.4	208.9	256.1	296.4	341.1	379.0
Water - Lbs/Ft.	126.0	122.8	120.4	115.0	109.4	103.4	98.3	92.6	87.9

24" Pipe Size - 24.0" O.D.									
Schedule No.	20		40	60	80	100	120	140	160
Wall Designation	Std.	XS							
Thickness - In.	0.375	0.500	0.687	0.968	1.218	1.531	1.812	2.062	2.343
Pipe - Lbs/Ft.	94.6	125.5	171.2	238.1	296.4	367.4	429	484	541
Water - Lbs/Ft.	183.8	180.1	174.3	165.8	158.3	149.3	141	134	127

THREADED ROD LOAD RATINGS

Threaded Rod Load Rating			
Nominal Rod Diameter, In.	Root Area Thread, In.	Maximum Safe Load, Lbs Rod Temperatures	
		650°F	750°F
⅜"	0.068	610	540
½"	0.128	1,130	1,010
⅝"	0.202	1,810	1,610
¾"	0.302	2,710	2,420
⅞"	0.419	3,770	3,360
1"	0.552	4,960	4,420
1-⅛"	0.693	6,230	5,560
1-¼"	0.889	8,000	7,140
1-½"	1.293	11,630	10,370
1-¾"	1.744	15,700	14,000
2"	2.300	20,700	18,460

Rod Size as Determined by Pipe Size	
Pipe Size	Rod Size
¾" to 2" Inclusive	⅜"
2-½" to 3-½"	½"
4" and 5"	⅝"
6"	¾"
8" to 12" Inclusive	⅞"

WATER FILLED PIPE WEIGHTS

WATER FILLED PIPE WEIGHTS FOR PIPE HANGERS LOCATED ON 6 FT CENTERS AT 1/4 SPAN FROM EACH END									
SIZE	2"	2-½"	3"	4"	5"	6"	8"	10"	12"
SCH 40 PIPE WEIGHT PER FT (LBS)	3.65	5.79	7.57	10.78	14.60	18.95	28.52	40.44	53.47
WATER WEIGHT PER FT (LBS)	1.45	2.07	3.20	5.51	8.67	12.52	21.67	34.16	48.49
TOTAL WEIGHT PER FT (LBS)	5.10	7.86	10.77	16.29	23.27	31.47	50.20	74.60	101.96
PIPE HANGER CENTERS (FT)	6	6	6	6	6	6	6	6	6
TOTAL WEIGHT PER 6 FT CENTER - ONE PIPE (LBS)	31	47	65	98	140	189	301	448	612
TOTAL WEIGHT PER 6 FT CENTER - TWO PIPES (LBS)	61	94	129	196	279	378	602	895	1,223
RECOMMENDED 3 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112
RECOMMENDED 4 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 5 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-122A
RECOMMENDED 6 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-112A

WATER FILLED PIPE WEIGHTS FOR PIPE HANGERS LOCATED ON 8 FT CENTERS AT 1/4 SPAN FROM EACH END									
SIZE	2"	2-½"	3"	4"	5"	6"	8"	10"	12"
SCH 40 PIPE WEIGHT PER FT (LBS)	3.65	5.79	7.57	10.78	14.60	18.95	28.52	40.44	53.47
WATER WEIGHT PER FT (LBS)	1.45	2.07	3.20	5.51	8.67	12.52	21.67	34.16	48.49
TOTAL WEIGHT PER FT (LBS)	5.10	7.86	10.77	16.29	23.27	31.47	50.20	74.60	101.96
PIPE HANGER CENTERS (FT)	8	8	8	8	8	8	8	8	8
TOTAL WEIGHT PER 8 FT CENTER - ONE PIPE (LBS)	41	63	86	130	186	252	402	597	816
TOTAL WEIGHT PER 8 FT CENTER - TWO PIPES (LBS)	82	126	172	261	372	504	803	1,194	1,631
RECOMMENDED 3 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 4 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 5 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-122A	H-112A
RECOMMENDED 6 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-112A	H-112A

MAXIMUM SPACING BETWEEN SUPPORTS

Nominal Tube Size, In.	½"	¾"	1"	1½"	2	2½"	3	3½"	4
Maximum Span, Ft.	5	6	6	8	9	10	10	11	12

Nominal Pipe Size, In.		½"	¾"	1"	1½"	2	2½"	3	3½"	4	5	6	8	10	12	14	16	18	20	24
Maximum Span, Ft.	Water	5	6	7	9	10	11	12	13	14	16	17	19	22	23	25	27	28	30	32
	Air & Steam	-	-	9	11	13	14	15	16	17	19	21	24	28	30	32	35	37	39	42

KEYWORD INDEX

Copper Tubing Hangers

Fig. CT-65
Light Duty Adjustable Clevis
Size Range: 1/2" - 4"

Fig. CT-69
Adjustable Swivel Ring
Size Range: 1/2" - 4"

Fig. 67F
Copper Tube
Felt Lined Hanger
Size Range: 1/2" - 6"

Fig. 69F
Copper Tube
Adj. Swivel Ring
Size Range: 1/2" - 6"

Fig. CT-121
Copper Tubing Riser Clamp
Size Range: 1/2" - 4"

Fig. CT-128R
Rod Threaded Ceiling Flange
Sizes: 3/8" - 1/2"

Fig. CT-138R
Extensions Split Tubing Clamp
Size Range: 1/2" - 2"

Fig. CT-255
Copper Tubing
Alignment Guide
Size Range: 1" - 4"

Steel Pipe Clamps

Fig. 261
Extension Pipe or
Riser Clamp
Size Range: 3/4" - 24"

Fig. 40
Riser Clamp Standard
Size Range: 2" - 24"

Fig. 103
Offset Pipe Clamp
Size Range: 3/4" - 8"

Fig. 100
Extended Pipe Clamp
Size Range: 1/2" - 8"

Fig. 212
Medium Pipe Clamp
Size Range: 1/2" - 30"

Fig. 212FP
Earthquake Bracing Clamp
Size Range: 2 1/2" - 12"

Fig. 216
Heavy Pipe Clamp
Size Range: 3" - 42"

Fig. 295
Double Bolt Pipe Clamp
Size Range: 3/4" - 36"

Fig. 295A
Alloy Double Bolt Pipe Clamp
Size Range: 1 1/2" - 24"

Fig. 295H
Heavy Duty Double Bolt
Pipe Clamp
Size Range: 6" - 36"

Fig. 224 & 246
Alloy Steel Pipe Clamp
Size Range: 4" - 24"

CPVC Pipe Hangers

Fig. 185
One Hole Pipe Strap
Size Range: 3/4" - 2"

Fig. 186
Two Hole Pipe Strap
Size Range: 3/4" - 2"

Fig. 187
Two Hole 90° Side
Mount Strap
Size Range: 3/4" - 2"

Fig. 188
Two Hole Stand Off Strap
Size Range: 3/4" - 2"

Clevis

Fig. 65
Light Duty Adjustable Clevis
Size Range: 3/8" - 4"

Fig. 67
Pipe or Conduit Hanger
Size Range: 1/2" - 6"

Fig. 260
Adjustable Clevis Hanger
Size Range: 1/2" - 30"

Fig. 260 ISS
Clevis Hanger with
Insulation Saddle System
Size Range: 2" - 16"

Fig. 300
Adjustable Clevis for
Insulated Lines
Size Range: 3/4" - 12"

Fig. 590
Adjustable Clevis for
Ductile or Cast Iron
Size Range: 3" - 24"

Beam Clamps

Fig. 86 & 88
C-Clamp with Set Screw and Lock Nut
Size Range: 3/8" - 3/4"

Fig. 95
C-Clamp with Lock Nut
Sizes: 3/8" and 1/2"

Fig. 89
Retaining Clip
Size Range: 3/8" - 1/2"

Fig. 89X
Retaining Clip
Size Range: 3/8" - 3/4"

Fig. 92
Universal C-Type Clamp
Standard Throat
Sizes: 3/8" and 1/2"

Fig. 93
Universal C-Type Clamp
Wide Throat
Sizes: 3/8" and 1/2"

Fig. 94
Wide Throat Top Beam C-Clamp
Sizes: 5/8" and 3/4"

Fig. 227
Top Beam Clamp

Fig. 217
Adjustable Side Beam Clamp
Size Range: 3" - 7 5/8"

Fig. 14
Adjustable Side Beam Clamp
Sizes: 3/8" - 5/8"

Fig. 133
Standard Duty Beam Clamp
Size Range: 4" - 12"

Fig. 134
Heavy Duty Beam Clamp
Size Range: 4" - 12"

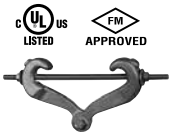


Fig. 218
Malleable Beam Clamp without Extension Piece

Fig. 228
Universal Forged Steel Beam Clamp

Fig. 292 & 292L
Universal Forged Steel Beam Clamp with Weldless Eye Nut

Socket Clamps

Fig. 595 & Fig. 594
Socket Clamp
for Ductile Iron or Cast Iron Pipe & Socket Clamp Washer
Size Range: 4" - 24" pipe

Fig. 600 & Fig. 599
Socket Clamp
for Ductile Iron or Cast Iron Pipe & Socket Clamp Washer
Size Range: 3" - 24" pipe

Ceiling Plates

Fig. 395
Cast Iron Ceiling Plate
Size Range: 1/2" - 8"

Fig. 127
Plastic Ceiling Plate
Sizes: 3/8" and 1/2"

Fig. 128R
Rod Threaded, Ceiling Flange
Sizes: 3/8" and 1/2"

Fig. 153
Pipe Hanger Flange
Size Range: 3/8" - 3/4"

U-Bolts

Fig. 137 & 137S
Standard U-Bolt
Size Range: 1/2" - 36"

Fig. 137C
Plastic Coated U-Bolt
Size Range: 1/2" - 8"

Fig. 120
Light Weight U-Bolt
Size Range: 1/2" - 10"

Trapeze

Fig. 46
Universal Trapeze Assembly

Fig. 45
Channel Assembly

Fig. 50
Equal Leg Angle for Trapeze Assembly

Brackets

Fig. 202
Iron Side Beam Bracket
Size Range:
3/8" - 5/8"

Fig. 206
Steel Side Beam Bracket
Size Range:
3/8" - 5/8"

Fig. 207
Threaded Steel Side Beam Bracket
Sizes: 3/8" and 1/2"

Fig. 194
Light Welded Steel Bracket

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Heavy Welded Steel Bracket

Concrete Inserts & Attachments

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Screw Concrete Insert
Size Range: 3/8" - 7/8"

Fig. 282
Universal Concrete Insert
Size Range: 3/8" - 7/8"

Fig. 281
Wedge Type Concrete Insert
Size Range: 1/4" - 7/8"

Fig. 285
Light Weight Concrete Insert
Size Range: 1/4" - 5/8"

Fig. 286
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Size Range: 3/4" - 1 1/2"

Fig. 284
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Size Range: 3/8" - 3/4"

Fig. 52
Concrete Rod Attachment Plate
Size Range: 3/8" - 1 1/4"

Fig. 47
Concrete Single Lug Plate
Size Range: 1/2" - 2"

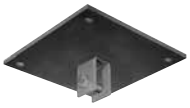

Fig. 49
Concrete Clevis Plate
Size Range: 3/8" - 1 3/4"

Pipe Supports

Fig. 62
Type A, B & C Pipe Stanchion
Size Range: 2" - 18"

Fig. 63
Type A, B & C Pipe Stanchion
Size Range: 2 1/2" - 42"

Fig. 192
Adjustable Pipe Saddle
Size Range: 2" - 12"

Fig. 191
Adjustable Pipe Saddle with U-Bolt
Size Range: 2" - 12"

Fig. 264
Adjustable Pipe Saddle Support
Size Range: 2 1/2" - 36"

Fig. 265
Adjustable Pipe Saddle Support with U-Bolt
Size Range: 4" - 36"

Fig. 258
Pipe Stanchion Saddle
Size Range: 4" - 36"

Fig. 259
Pipe Saddle Support with U-Bolt
Size Range: 4" - 36"

Hanger Rods & Accessories

Fig. 142
Coach Screw Rods Machine Threaded on Opposite End
Size Range: 3/8" - 1/2"

Fig. 146
Continuous Thread
Size Range: 1/4" - 1 1/2"
Stocked in six, ten & twelve foot lengths. Other even foot lengths can be furnished to order.

Fig. 140 & 253
Machine Threaded Rods Threaded on Both Ends
Size Range: 3/8" - 5"

Fig. 248
Eye Rod Not Welded
Size Range: 3/8" - 2 1/2"

Fig. 278
Eye Rod Welded
Size Range: 3/8" - 2 1/2"

Fig. 248X
Linked Eye Rods
Size Range: 3/8" - 2 1/2"

Fig. 278X
Linked Eye Rods Welded
Size Range: 3/8" - 2 1/2"

Fig. 148
Rod with Eye End
Size Range: 2 3/4" - 5"

Fig. 135 & Fig. 135E
Straight Rod Coupling
Size Range: 1/4" - 1"

Fig. 136: c UL us LISTED FM APPROVED
Fig. 136R: UL us LISTED
Fig. 136 & Fig. 136R
Straight Rod Coupling
Size Range: 1/4" - 1"

Fig. 114
Turnbuckle Adjuster
Size Range: 1/4" - 3/4"

Fig. 110R
Socket, Rod Threaded
Size Range: 1/4" - 7/8"

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Size Range: 3/8" - 4"

Fig. 233
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Fig. 230
Turnbuckle
Size Range: 3/8" - 2 1/2"

Fig. 290
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Size Range: 3/8" - 2 1/2"

Fig. 291
Clevis Pin with Cotters
Size Range: 1/2" - 4"

Pipe Rings

Fig. 108
Split Pipe Ring
Size Range: 3/8" - 8"

Fig. 138R
Extension Split Pipe Clamp
Size Range: 3/8" - 3"

Fig. 104
Adjustable Swivel Ring, Split Ring Type
Size Range: 3/4" - 8"

Fig. 69
Adjustable Swivel Ring
Size Range: 1/2" - 8"

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Fig. 126
One-Hole Clamp
Size Range: 3/8" - 4"

Fig. 262
Strap Short
Size Range: 1/2" - 4"

Fig. 243
Pipe Strap
Size Range: 1/2" - 6" pipe

Fig. 244
Pipe Strap
Size Range: 1/2" - 6" pipe

Pipe Rolls

Fig. 177
Adjustable Pipe
Roll Support
Size Range: 1" - 30"

Fig. 171
Single Pipe Roll
Size Range: 1" - 30"

Fig. 178
Spring Cushion Hanger

Fig. 181
Adjustable Steel Yoke Pipe Roll
Size Range: 2 1/2" - 24"

Fig. 175
Roller Chair
Size Range: 2" - 30" pipe

Fig. 277
Pipe Roll & Base Plate
Size Range: 2" - 24"

Fig. 271
Pipe Roll Stand
Size Range: 2" - 42"

Fig. 274, 274P & 275
Adjustable Pipe
Roll Stand
Size Range: 2" - 42"

Fig. 75LL
Longitudinal & Lateral
Roller

Fig. 76CP
Non-Conductive Roller

Pipe Shields & Saddles

Fig. 167
Insulation Protection Shield
Size Range: 1/2" thru 24" pipe with
up to 2" thick insulation.

Fig. 168
Rib-Lok Shield
Size Range: 1/2" thru 8" pipe or copper
tube with up to 2" thick insulation.

Fig. 160 to 166A
Pipe Covering Protection Saddle
Size Range: 3/4" thru 36"

Pipe Guides & Slides

Fig. 255
Pipe Alignment Guide
Size Range: 1" - 24" pipe and
insulation thickness of 1" thru 4"
(Also available in copper tube sizes)

Fig. 256
Pipe Alignment Guide
Size Range: 1" - 24" pipe and
insulation thickness of 1" thru 4"

Fig. 257 & 257A
Structural Tee
Slide Assembly
Size Range: All Sizes within
Maximum Load Rating

Fig. 436 & 436A
Fabricated Tee
Slide Assembly
Size Range: All Sizes within
Maximum Load Rating

Fig. 439 & 439A
Structural "H"
Slide Assembly
Size Range: 6" - 36"

Fig. 432
Special Clamp
Size Range: 2" - 24"

Fig. 212
Medium Pipe Clamp
Size Range: 2" - 30"

Sway Strut Assembly

Fig. 211, C-211, 640, C-640
Sway Strut Assembly

Fig. 222 & C-222
Mini-Sway Strut Assembly

Structural Attachments

Fig. 55 & Fig. 55L
Structural Welding Lug
Size Range:
Fig. 55: 1/2" - 3 3/4"
Fig. 55L: 1/2" - 2"

Fig. 54
Two Hole Welding Beam Lug
Size Range: 1/2" - 2 1/4"

Fig. 112 & 113
Brace Fitting Compete
Sizes: 1" and 1 1/4"

Fig. 60
Steel Washer Plate
Size Range: 3/8" - 3 3/4"

Fig. 66
Welded Beam Attachment
Size Range: 3/8" - 3 1/2"

Stainless Steel Hangers NEW

Fig. 137SS
Standard U-Bolt
Size Range: 1/2" - 12"

Fig. 260SS
Adjustable Clevis Hanger
Size Range: 1/2" - 12"

Fig. 261SS
Extension Pipe or Riser Clamp
Size Range: 1/2" - 8"

Fig. 590SS
Adjustable Clevis for Ductile or C.I. Pipe
Size Range: 4" - 12"

Snubbers

Fig. 3306 & 3307
Hydraulic Shock & Sway Suppressor (Snubber)
Size Range: Seven standard sizes with load ratings from 350 to 50,000 (LBS).

Fig. 312
Tapered Pin
Size Range: 3/8" - 2 1/2"

Fig. 200 & C-200 / Fig. 201 & C-201
Hydraulic Shock & Sway Suppresor (Snubber)
Size Range: Nine standard sizes with cylinder bores of 1 1/2" to 8" with normal load ratings from 3,000 (LBS) to 128,000 (LBS). All are available with 5", 10", 15" or 20" strokes except the 1 1/2" size which is offered with 5" and 10" strokes only. Snubbers are available with integral or remote reservoirs.

Constant Supports

Model R 80-V
Vertical Constant Support

Model R 81-H
Horizontal Constant Support

Size Range: Anvil Model R constant support hangers are made in two basic designs, 80-V & 81-H constant supports are made in nine different frame sizes & 110 spring sizes to accomodate travels from 1 1/2" to 20" & loads from 27 lbs to 87,500 lbs.

Spring Hangers

Fig. 82 & C-82
Short Spring

Fig. B-268 & C-268
Standard Spring

Triple Spring,
Triple Spring-CR

Fig. 98 & C-98
Double Spring

Quadruple Spring,
Quadruple Spring-CR

Horizontal Traveler & Sway Brace

Fig. 170
Horizontal Traveler
Size Range: Available in Four Sizes to Take Loads to 20,700 (LBS). All sizes provide for 12" of Horizontal Travel.

Fig. 296, 297, 298, 301, 302, 303
Sway Brace
Size Range: Pre Loads from 50 to 1,800 Pounds & maximum forces from 200 to 7,200 Pounds.

BRANDS OF ANVIL INTERNATIONAL

Anvil product lines include malleable and cast iron fittings, unions and flanges; seamless and welded steel pipe nipples; steel pipe couplings; universal anvilets; forged steel fittings and unions; pipe hangers and supports; threaded rod; and engineered hangers

Anvil-Strut products include a complete line of channel in stock lengths of 10 and 20 feet, with custom lengths available upon request. A variety of fittings and accessories are also offered. All products can be ordered in an assortment of finishes and material choices including SupR-GreenTM, Zinc Trivalent Chromium, pre- galvanized, hot-dipped galvanized, electro-galvanized, aluminum, plain, and stainless steel.

The SPF/Anvil product line includes a variety of internationally sourced products such as grooved couplings, fittings, cast iron, malleable iron and ductile iron threaded fittings, steel pipe nipples, as well as tee-lets.

The Merit product line includes a variety of tee-lets and drop nipples for fire protection applications. Most Merit products are UL/ ULC Listed, FM Approved, and rated from 175 to 300 psi.

The Gruvlok product line consists of couplings for grooved and plain-end fittings, butterfly valves and check valves; flanges; pump protection components; pipe grooving tools; as well as copper and stainless steel system components.

JB Smith is the leading manufacturer of oil country tubular fittings, swages and bull plugs – all meeting API specifications. Offering tubing nipples, casing nipples as well as a full line of traditional line pipe and oil country threads in every schedule, JB Smith is the resource for all your oilfield needs.

We invented the concept of Flexible Fire Protection™. FlexHead systems connect sprinkler heads to sub-mains at least four times faster than hard pipe. Delivers even greater savings in retrofits. All our flexible sprinkler pipe and connections are UL Listed and FM Approved.

Founded in 1983, NAP is a manufacturer of fabrication equipment, including automatic welders, plasma cut-off equipment, hole cutting equipment, make-on machines and pipe threaders. NAP, innovators of pipe fabrication equipment.

The Afcon seismic bracing line includes UL listed and FM approved structural attachments for concrete, wood or steel structural members like bar joist or I-beams, swivel connections that accept from 1" to 2" schedule 40 pipe. Afcon's seismic system attachments are engineered for up to 12" IPS steel pipe, copper tubing or plastic pipe.

Catawissa hammer unions are offered in threaded ends and butt weld ends, and are interchangeable with most leading union manufacturers. Fully traceable and available with complete mill certifications, Catawissa's oilfield hammer union product line includes the standard ball-and-cone design plus our unique Figure 300 Flat Face design, where space and pipe line separation are a consideration.

Steel pipe nipples and steel pipe couplings are manufactured in accordance with the ASTM A733 Standard Specification for Welded and Seamless Carbon Steel and Stainless Steel Pipe Nipples. Steel pipe couplings are manufactured in accordance with the ASTM A865 Standard Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints. API couplings are manufactured in accordance with the API Specification for line pipe.

Anvil EPS-Engineered Pipe Supports are products used to support piping systems under thermal, seismic, and other dynamic loading conditions. The product line encompasses variable spring hangers, constant supports, sway struts and snubbers as well as standard and special design clamps. Anvil EPS brings the highest quality products and innovative engineering solutions to common and uncommon piping system problems.

ANVIL MAINTAINS CONTRACTS WITH A CORE FLEET OF CARRIERS TO PROVIDE EFFICIENTLY CONSISTENT DELIVERY SERVICES TO OUR CLIENTS.

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ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.

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