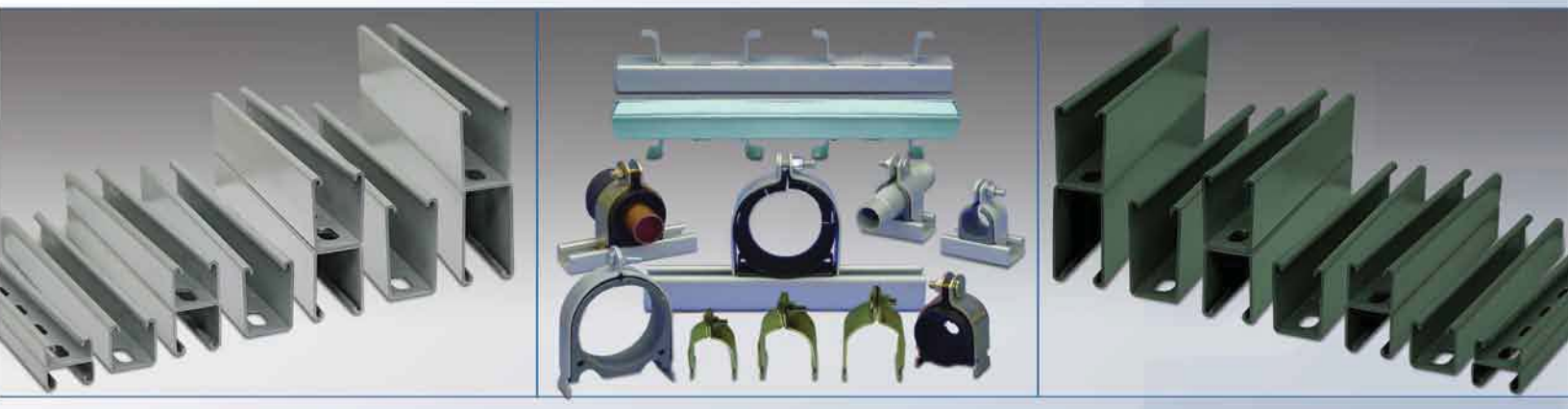
ANVIL®
INTERNATIONAL
Building Connections That Last

December 2011

For the most current product/pricing information on Anvil products, please visit our website at www.anvilintl.com.



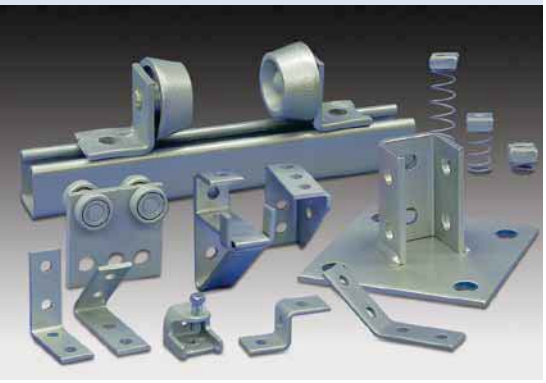
ANVIL-STRUT™

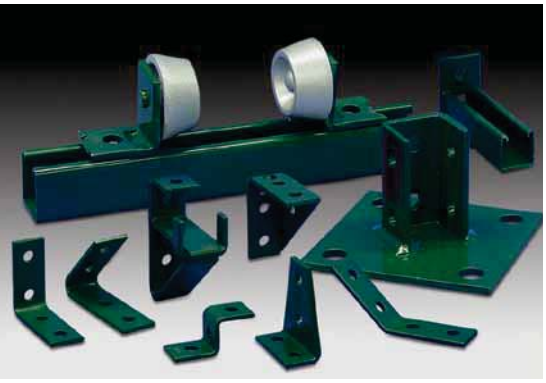
Metal Framing Product and Engineering Catalog

BUILDING CONNECTIONS THAT LAST

GRUVLOK · SPF/ANVIL · Catawissa PERFORMANCE UNDER PRESSURE · ANVIL EPS ENGINEERED PIPE SUPPORTS · JBS · CANVIL · MERIT · BECK · ANVIL-STRUT · SEMINOLE Tubular Products

BUILDING CONNECTIONS THAT LAST





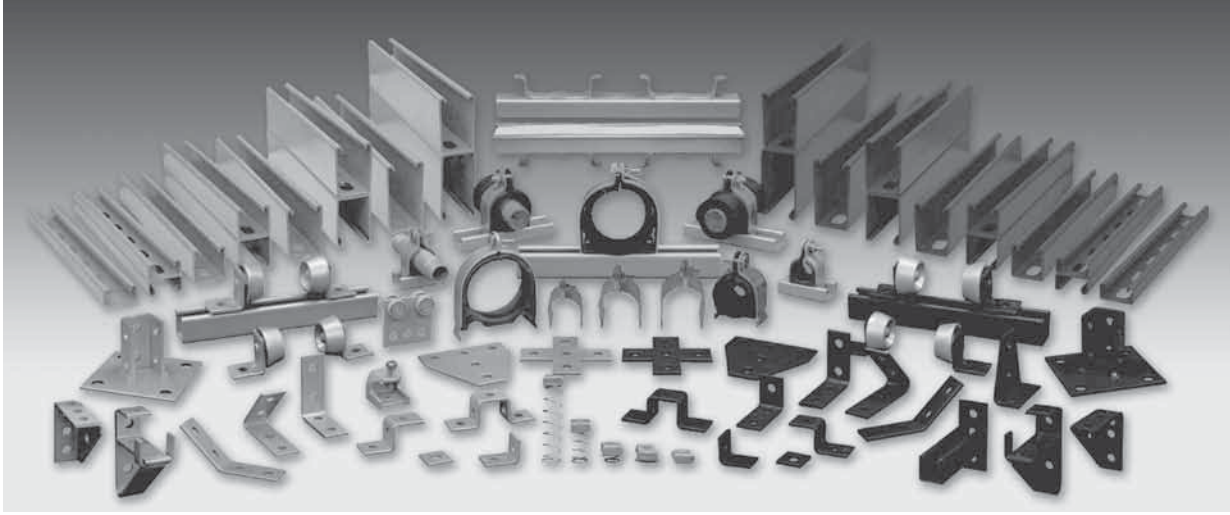
For over 150 years, Anvil has worked diligently to build a strong, vibrant tradition of making connections — pipe to pipe and people to people.

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 super-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

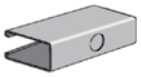
TO OUR VALUED CUSTOMERS

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.

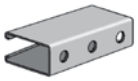
CHANNELS

AS 100
Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Pages 18 & 19

AS 100EH
Channel with Elongated Holes
Size: 1 5/8" x 3 1/4" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 19



AS 100KO
Channel with Knock Outs
Size: 1 5/8" x 3 1/4" x 12 GA.
7/8" Knock Outs on 6" Centers.
Page 19



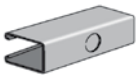
AS 100H
Channel with Holes
Size: 1 5/8" x 3 1/4" x 12 GA.
9/16" Holes on 1 7/8" Centers.
Page 19

AS 100S
Channel with Long Slots
Size: 1 5/8" x 3 1/4" x 12 GA.
13/32" x 3" Slots on 4" Centers
Page 19

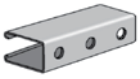
AS 100BTB
Welded Channel
Size: 1 5/8" x 6 1/2" x 12 GA.
Two Pcs. AS 100 Welded Back-to-Back.
Pages 18 & 19

AS 150
Channel
Size: 1 5/8" x 2 7/16" x 12 GA.
Pages 20 & 21

AS 150EH
Channel with Elongated Holes
Size: 1 5/8" x 2 7/16" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 21



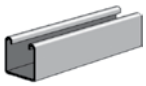
AS 150KO
Channel with Knock Outs
Size: 1 5/8" x 2 7/16" x 12 GA.
7/8" Knock Outs on 6" Centers.
Page 21



AS 150H
Channel with Holes
Size: 1 5/8" x 2 7/16" x 12 GA.
9/16" Holes on 1 7/8" Centers.
Page 21

AS 150S
Channel with Long Slots
Size: 1 5/8" x 2 7/16" x 12 GA.
13/32" x 3" Slots on 4" Centers.
Page 21

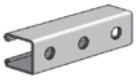
AS 150BTB
Welded Channel
Size: 1 5/8" x 4 7/8" x 12 GA.
Two Pcs. AS 150 Welded Back-to-Back.
Pages 20 & 21



AS 200
Channel
Size: 1 5/8" x 1 5/8" x 12 GA.
Pages 22 & 23

AS 200EH
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 23

AS 200KO
Channel with Knock Outs
Size: 1 5/8" x 1 5/8" x 12 GA.
7/8" Knock Outs on 6" Centers.
Page 23



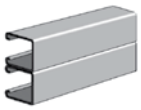
AS 200H
Channel with Holes
Size: 1 5/8" x 1 5/8" x 12 GA.
9/16" Holes on 1 7/8" Centers.
Page 23

AS 200S
Channel with Long Slots
Size: 1 5/8" x 1 5/8" x 12 GA.
13/32" x 3" Slots on 4" Centers.
Page 23

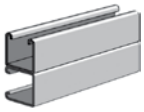
AS 200H3
Channel with Holes on all Three Sides
Size: 1 5/8" x 1 5/8" x 12 GA.
9/16" Holes on all three sides are on 1 7/8" Centers.
Page 23

AS 200BTB
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Pages 22 & 24

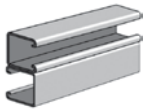
AS 200EH BTB
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200EH Welded Back-to-Back.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 24



AS 200STS
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Page 24



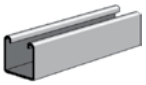
AS 200BTS
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200 Welded Side-to-Back.
Page 24



AS 200STSR
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200 Welded Side-to-Opposite Side.
Page 24

AS 200BTBS
Welded Channel

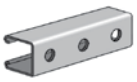
AS 200BTBF3
Welded Channel



AS 210
Channel
Size: 1 5/8" x 1 5/8" x 14 GA.
Pages 25 & 26

AS 210EH
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 14 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 26

AS 210KO
Channel with Knock Outs
Size: 1 5/8" x 1 5/8" x 14 GA.
7/8" Knock Outs on 6" Centers.
Page 26



AS 210H
Channel with Holes
Size: 1 5/8" x 1 5/8" x 14 GA.
9/16" Holes on 1 7/8" Centers.
Page 26

AS 210S
Channel with Long Slots
Size: 1 5/8" x 1 5/8" x 14 GA.
13/32" x 3" Slots on 4" Centers.
Page 26

AS 210BTB
Welded Channel
Size: 1 5/8" x 3 1/4" x 14 GA.
Two Pcs. AS 210 Welded Back-to-Back.
Pages 25 & 26

CHANNELS *(Continued)*

AS 300
Channel
Size: 1⅝" x 1⅜" x 12 GA.
Pages 27 & 28

AS 300EH
Channel with Elongated Holes
Size: 1⅝" x 1⅜" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 28

AS 300KO
Channel with Knock Outs
Size: 1⅝" x 1⅜" x 12 GA.
7/8" Knock Outs on 6" Centers.
Page 28

AS 300H
Channel with Holes
Size: 1⅝" x 1⅜" x 12 GA.
9/16" Holes on 1⅞" Centers.
Page 28

AS 300S
Channel with Long Slots
Size: 1⅝" x 1⅜" x 12 GA.
13/32" x 3" Slots on 4" Centers.
Page 28

AS 300BTB
Welded Channel
Size: 1⅝" x 2¾" x 12 GA.
Two Pcs. AS 300 Welded Back-to-Back.
Pages 27 & 28

AS 400
Channel
Size: 1⅝" x 1" x 12 GA.
Pages 29 & 30

AS 400EH
Channel with Elongated Holes
Size: 1⅝" x 1" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 30

AS 400KO
Channel with Knock Outs
Size: 1⅝" x 1" x 12 GA.
7/8" Knock Outs on 6" Centers.
Page 30

AS 400H
Channel with Holes
Size: 1⅝" x 1" x 12 GA.
9/16" Holes on 1⅞" Centers.
Page 30

AS 400S
Channel with Long Slots
Size: 1⅝" x 1" x 12 GA.
13/32" x 3" Slots on 4" Centers.
Page 30

AS 400BTB
Welded Channel
Size: 1⅝" x 2" x 12 GA.
Two Pcs. AS 400 Welded Back-to-Back.
Pages 29 & 30

AS 500
Channel
Size: 1⅝" x 13/16" x 14 GA.
Pages 31 & 32

AS 500EH
Channel with Elongated Holes
Size: 1⅝" x 13/16" x 14 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 32

AS 500H
Channel with Holes
Size: 1⅝" x 13/16" x 14 GA.
9/16" Holes on 1⅞" Centers.
Page 32

AS 500S
Channel with Long Slots
Size: 1⅝" x 13/16" x 14 GA.
13/32" x 3" Slots on 4" Centers.
Page 32

AS 500BTB
Welded Channel
Size: 1⅝" x 1⅝" x 14 GA.
Two Pcs. AS 500 Welded Back-to-Back.
Pages 31 & 32

AS 520
Channel
Size: 1⅝" x 13/16" x 12 GA.
Pages 33 & 34

AS 520EH
Channel with Elongated Holes
Size: 1⅝" x 13/16" x 12 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 34

AS 520H
Channel with Holes
Size: 1⅝" x 13/16" x 12 GA.
9/16" Holes on 1⅞" Centers.
Page 34

AS 520S
Channel with Long Slots
Size: 1⅝" x 13/16" x 12 GA.
13/32" x 3" Slots on 4" Centers.
Page 34

AS 520BTB
Welded Channel
Size: 1⅝" x 1⅝" x 12 GA.
Two Pcs. AS 520 Welded Back-to-Back.
Pages 33 & 34

AS 560
Channel
Size: 1⅝" x 13/16" x 16 GA.
Pages 35 & 36

AS 560EH
Channel with Elongated Holes
Size: 1⅝" x 13/16" x 16 GA.
9/16" x 1 1/8" Elongated Holes on 2" Centers.
Page 36

AS 707
Metal Raceway Closure Strip
For All 1⅝" Width Channels.
(10' Length)
Page 36

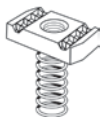
AS 707P
Metal Painted Closure Strip
For All 1⅝" Width Channels.
(10' Length)
Page 36

CHANNEL NUTS

AS NS - Clamping Nut without Spring
Use with all 1⅝" wide channel
Pages 37 & 38

AS SS - Clamping Nut with Short Spring
Use with AS 400 and AS 500
Pages 37 & 38

AS RS - Clamping Nut with Regular Spring
Use with AS 200, AS 210 and AS 300
Pages 37 & 38

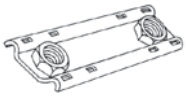


AS LS - Clamping Nut with Long Spring
Use with AS 100 & AS 150
Pages 37 & 38

AS TG - Top Grip Nut with Spring on Top
Use with all 1⅝" wide channel
Pages 37 & 38

AS 517
Stud Nut with RS Spring
Pages 37 & 38

CHANNEL HARDWARE



AS 3281
Double Conveyer Adjusting Nut
Use with all 1⅝" wide channel
Page 39

AS 83
Hexagon Nut
Page 39

Fig. 135
Rod Coupling
Page 39

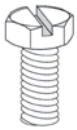
Fig. 146
Continuous Threaded Rod
Page 39

AS 203
Linked Eyelet with Stud
Page 39

AS 209
Flat Washer
Page 39

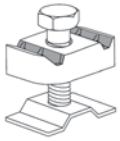
AS 211
Lock Washer
Page 40

AS 230
Fender Washer
Page 40

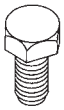


AS 6075
Slotted Hex Head Machine Screw
Page 40

AS 6108
Square Nut
Page 40



AS 3500
Seismic Rod Stiffener
Page 40



AS 6024
Hex Head Cap Screw
Page 40

CLAMPS & ACCESSORIES

AS 85
Rod or Insulator Support
Page 41

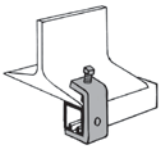
Fig. 86
Clamp with Lock Nut
Page 41

Fig. 93
Top Beam "C" Clamp
Size Range: ⅜" - ½"
Page 41

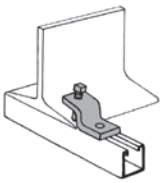
Fig. 94
Top Beam "C" Clamp
Size Range: ⅝" - ¾"
Page 41

Fig. 95
Clamp with Lock Nut
Page 41

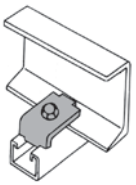
AS 135X
Light Duty Beam Clamp
Page 41



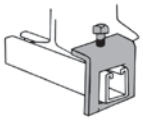
AS 684
Beam Clamp
Page 46



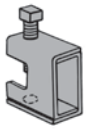
AS 685
Beam Clamp
Page 46



AS 686
Beam Clamp
Page 46



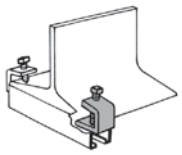
AS 855
Angular "C" Beam Clamp
AS 855 1 - Use with AS 200 and AS 210.
AS 855 2 - Use with AS 500.
Page 51



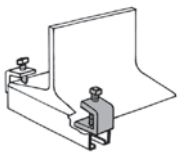
AS 858
Heavy Duty Suspension Rod Beam Clamp
Safety Anchor Strap AS 871 sold separately.
Page 51

AS 865
Wide Throat Heavy Duty Beam Clamp
Safety Anchor Strap AS 871 sold separately.
Page 51

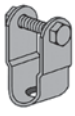
AS 871
Safety Anchor Strap
(For Heavy Duty Beam Clamps)
Page 52



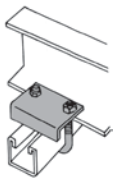
AS 907
"I" Beam Clamp
Includes Cup Point Set Screw.
Page 52



AS 998
"I" Beam Clamp
Includes Set Screw.
Page 54



AS 2623
Swivel Adapter
Use with AS 2622 Beam Clamp.
Page 57



AS 2651
Beam Clamp
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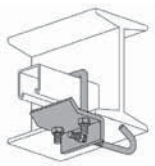

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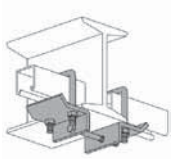

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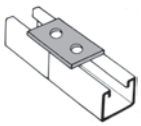

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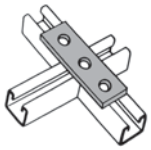

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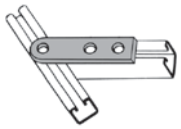

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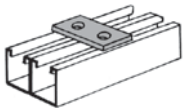

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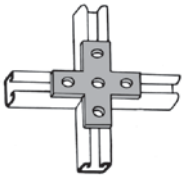

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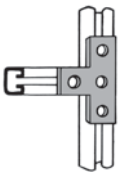

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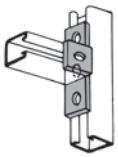

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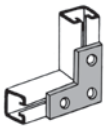

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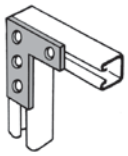

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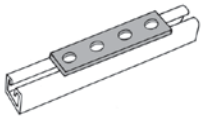

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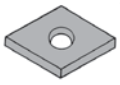

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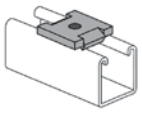

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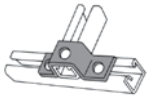

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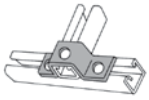

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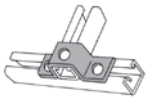

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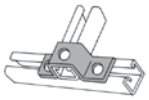

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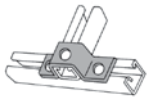

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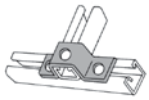

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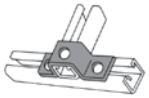

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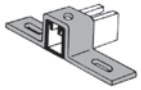

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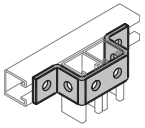

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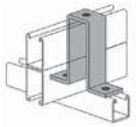

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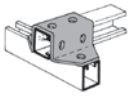

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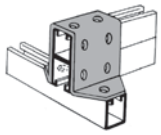

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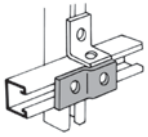

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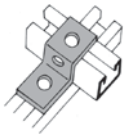

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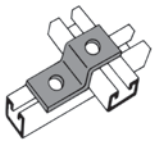

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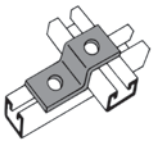

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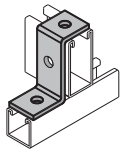

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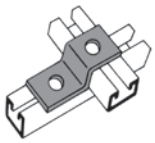

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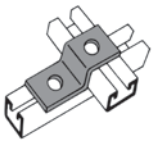

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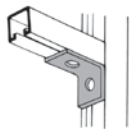

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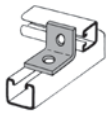

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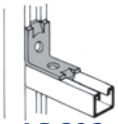

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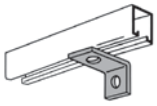

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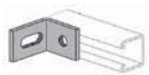

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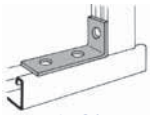

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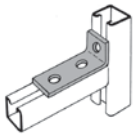

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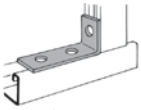

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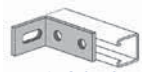

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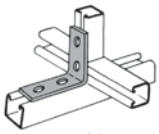

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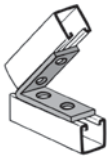

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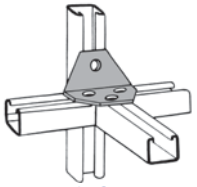

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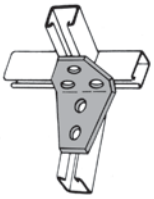

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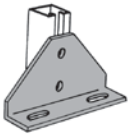

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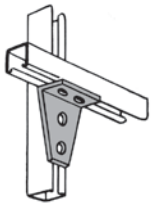

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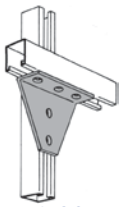

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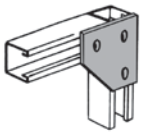

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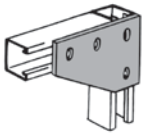

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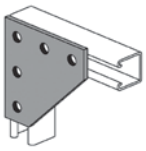

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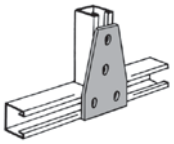

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Symmetrical Four Hole Connector
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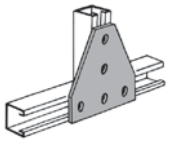
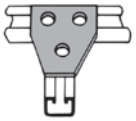
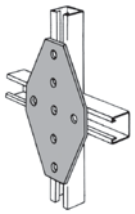


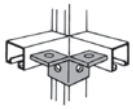
AS 854
Flat Connector
Page 50



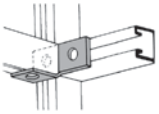
AS 925
Symmetrical Three Hole Joint Connector
Page 53



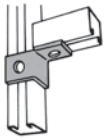
AS 2112
Cross Connector
Page 54



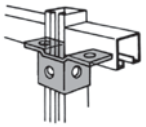
AS 665
Four Hole Double Corner Connector
Page 45



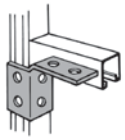
AS 720
RH & LH Angle Plate Connector
Page 48



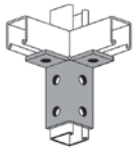
AS 922 RH & LH
Two Hole Single Corner Angle Connector
Page 53



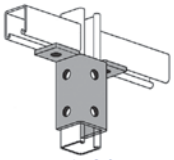
AS 923
Five Hole Two Angle Connector
Page 53



AS 2128 RH & LH
Six Hole Corner Connector
Page 54

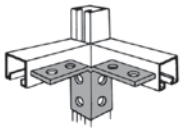


AS 666
Six Hole Double Corner Connector
Page 45

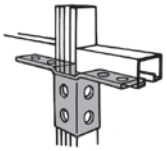


AS 821
Eight Hole Double Angle Connector
Page 50

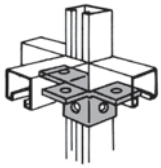
ANGLE FITTINGS & CONNECTORS *(Continued)*



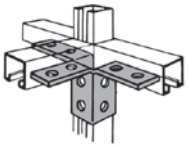
AS 667
Eight Hole Double Corner Connector
Page 45



AS 913
Ten Hole Two Angle Clevis Connector
Page 52

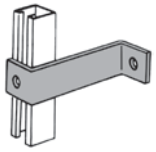


AS 668
Six Hole Three Angle Connector
Page 46



AS 669
Twelve Hole Three Angle Clevis Connector
Page 46

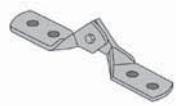
AS 2560 & AS 2561
Conduit Connector Fitting Assembly
Page 57



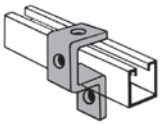
AS 3060
Offset Connector
Page 60

AS 9402
Two Hole Hinge Connector
Page 61

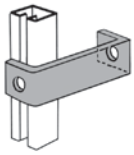
AS 9403
Three Hole Hinge Connector
Page 61



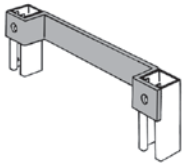
AS 9404
Four Hole Hinge Connector
Page 61



AS 677
Cup Support for Standard Single Strut
Use with AS 200 and AS 210.
Page 46

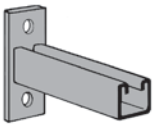


AS 993
Inside Clevis
Page 54

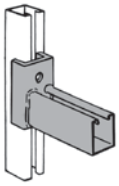


AS 2401 thru AS 2403
Ladder Rung
Page 55

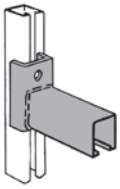
BRACKETS



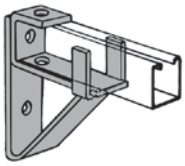
AS 651
Reversible Strut Bracket
Page 45



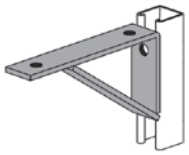
AS 661 T1
Strut Bracket (Slot Up)
Page 45



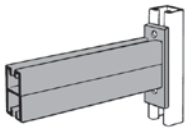
AS 661 T2
Strut Bracket (Slot Down)
Page 45



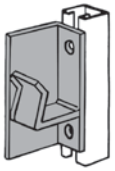
AS 708
Single Channel Bracket Support
Use with AS 200, AS 210 and AS 500BTB.
Page 47



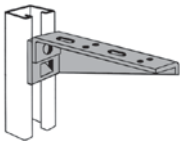
AS 732
Shelf Bracket
Page 48



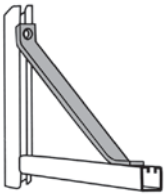
AS 809
Double Channel Bracket
Page 50



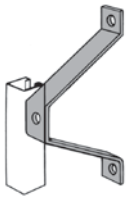
AS 825 RH/LH
Pipe Axle Support
Page 50



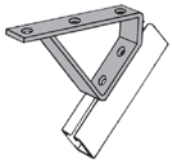
AS 838 RH/LH
6" thru 30" Shelf Bracket
Page 51



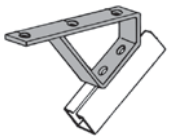
AS 926
Strut Brace
Page 53



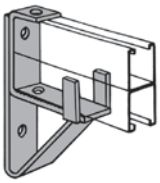
AS 2404 thru AS 2408
Wall Ladder Bracket
Page 55



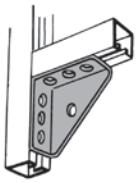
AS 2421
45˚ Stair Tread Support
Page 55



AS 2422
34½˚ Stair Tread Support
Page 55

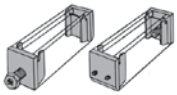


AS 3164
Double Channel Bracket Support
Use with all 3¼" Channels.
Page 60



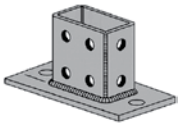
AS 3373
Universal Angle Bracket
Page 60

AS 2627
Spacer Clevis
Page 57

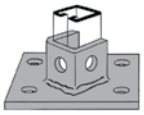


AS 2654 & AS 2654A
Column Attachment
Page 58

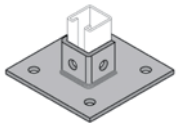
POST BASES



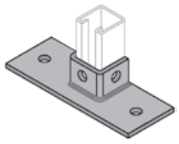
AS 2064
Double Column Post Base
Use with AS 100, AS 200BTB, AS 200STS, AS 200BTS and AS 200STR Channel
Page 54



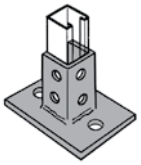
AS 3013
Single Column Post Base
Use with AS 200 and AS 210 Channel.
Page 58



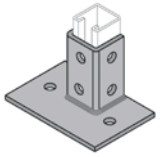
AS 3013 SQ
Single Column Post Base
Use with AS 200 and AS 210 Channel.
Page 58



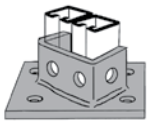
AS 3013 FL
Single Column Post Base
Use with AS 200 and AS 210 Channel.
Page 58



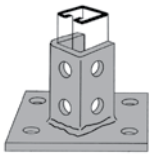
AS 3025
Post Base
Use with AS 200 and AS 210 Channel.
Page 59



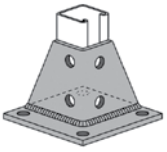
AS 3025 FL
Post Base
Use with AS 200 and AS 210 Channel.
Page 59



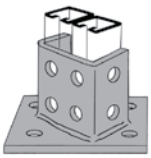
AS 3029
Double Column Post Base
Use with all 3¼" Channels.
Page 59



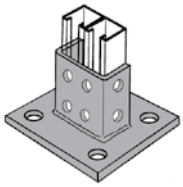
AS 3033
Post Base
Use with AS 200 and AS 210 Channel.
Page 59



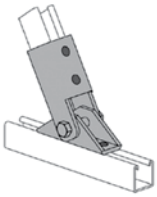
AS 3040
Post Base
Use with AS 200 and AS 210 Channel.
Page 59



AS 3064
Double Column Post Base
Use with all 3¼" Channels.
Page 59



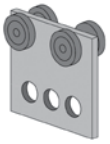
AS 3064 SQ
Double Column Post Base
Use with all 3¼" Channels.
Page 60



AS 9400
Adjustable Base
Page 61

TROLLEYS & ACCESSORIES

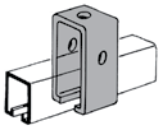
AS 2521
Two Wheel Trolley
Use with As 200 Channel.
Page 56



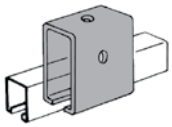
AS 2522
Four Wheel Trolley
Use with AS 200 Channel.
Page 56

AS 2524
Two Wheel Light Duty Trolley

AS 2525
Four Wheel Light Duty Trolley

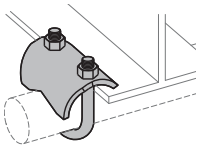


AS 2528
Trolley Beam Standard Support
Use with AS 200 and AS 210 Channel.
Page 56



AS 2528-1
Trolley Beam Joint Support
Use with AS 200 and AS 210 Channel.
Page 56

PIPE & CONDUIT SUPPORTS

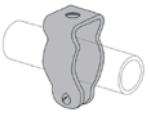


AS 51
Right Angle Pipe or Conduit Clamp
Page 62

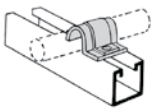
Fig. 67
Pipe or Conduit Hanger
Page 62

Fig. 69
Swivel Ring Hanger
Page 62

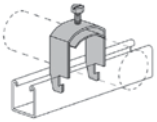
Fig. 137
"U" Bolt with Nuts Long Tangent
Page 62



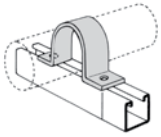
AS 270
Conduit Clamp
Page 62



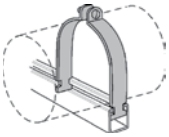
AS 1450
One Hole Clamp for O.D. Tubing
Page 65



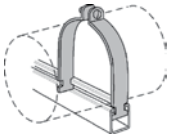
AS 3101 thru AS 3115
One Piece Cable and Conduit Clamp
Page 66



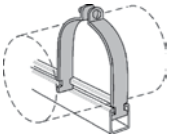
AS 3126
Hold Down Clamp
Page 67



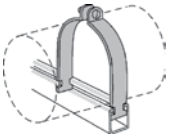
AS 1000
EMT Conduit Clamps
offered in pre-assembled only.
Page 63



AS 1100
Rigid Steel Conduit Clamps
offered in pre-assembled only.
Page 63

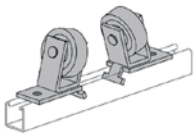


AS 1200
O.D. Tubing Clamp
offered in pre-assembled only.
Page 64

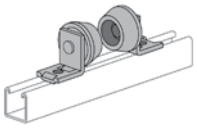


AS 1300
Universal Pipe Clamp
offered in pre-assembled only.
Page 65

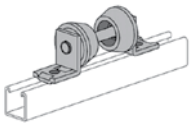
PIPE & CONDUIT SUPPORTS *(Continued)*



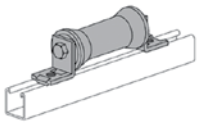
AS 815
(6" to 18" Pipe) Double Roller Pipe Support
Page 62



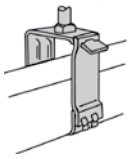
AS 1901
(1" to 8" Pipe) Pipe Roller Support
Page 65



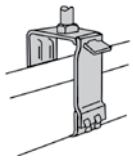
AS 1902
(1" to 8" Pipe) Pipe Roller Support
Page 66



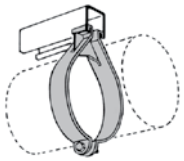
AS 1911
(2" to 14" Pipe) Pipe Roller Support
Page 66



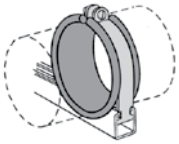
AS 2631
Swing Gate Fixture Hanger
Use with AS 200, AS 210, AS 300, AS 400 and AS 500 Channels.
Page 57



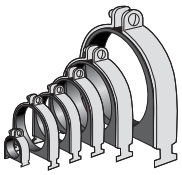
AS 2631D
Swing Gate Fixture Hanger
Use with AS 100, AS 150, AS 200BTB and AS 210BTB Channels.
Page 57



AS 3138
Parallel Pipe Clamp
Page 67

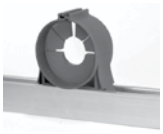


AS 3792
Cushion Strip
Page 67



AS 0040D thru AS 106P
Cushion Clamp Assembly
Page 68

Klo-Shure® Strut-Mounted
Insulation Couplings with Strut Clamp
Page 69



Klo-Shure® Strut-Mounted
Insulation Couplings with Non Metallic Strut Clamp
Page 70

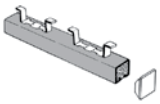
Klo-Shure® Strut-Mounted
Insulation Couplings for Fiberglass Insulation
Page 71

CONCRETE INSERTS

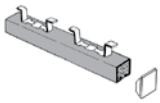
Fig. 152
Screw Concrete Insert
Page 72

Fig. 284
Concrete Deck Insert

Fig. 285
Light Weight Concrete Insert
Page 72



AS 349
Continuous Concrete Insert
with or without Closure Strip and End Cap Installed.
Page 72



AS 449
Continuous Concrete Insert
with or without Closure Strip and End Cap Installed.
Page 73

AS 6151
Plastic Closure Strip
Page 74

END CAPS

AS 653
Type "B" End Cap Anchor
Use with AS 349 Insert.
Page 73

AS 654
Type "B" End Cap Anchor
Use with AS 449 Insert.
Page 73

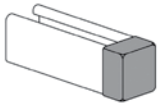
AS 655 & AS 656
Type "A" End Cap
Use with AS 200 Channel.
Use with AS 300 Channel and AS 349 Insert.
Page 45

AS 901 & AS 902
Type "A" End Cap
Use with AS 100 and AS 400 Channel.
Page 52

AS 930
Type "A" End Cap
Use with AS 500 Channel.
Page 53

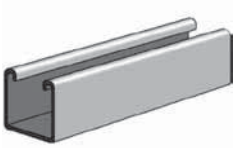
AS 2580
Type "A" End Cap
Use with AS 150 Channel.
Page 57

AS 2511
End Cap with Knockout
AS 2511 1 – Use with AS 100.
AS 2511 2 – Use with AS 200 and AS 210.
AS 2511 3 – Use with AS 300.
Page 56

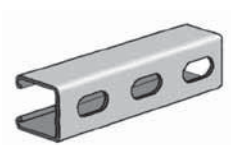


AS 6153
Safety End Cap
AS 6153 1 – Use with AS 100.
AS 6153 2 – Use with AS 200 and AS 210.
AS 6153 3 – Use with AS 300.
AS 6153 5 – Use with AS 500.
Page 60

SPECIALTY STRUT (Stainless Steel • Zinc Trivalent Chromium • Hot Dipped Galvanized)



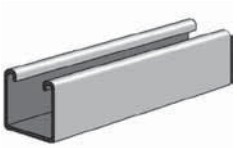
AS 200 SS/ZTC/HG
Channel
Size: 1 5/8" x 1 5/8" x 12 GA.
Pages 76 & 77



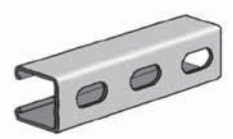
AS 200EH SS/ZTC/HG
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 12 GA. 9/16" x 1 1/8"
Elongated Holes on 2" Centers.
Page 77

AS 200BTB SS/ZTC/HG
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Pages 76 & 77

AS 200EH BTB SS/ZTC/HG
Welded Channel
Size: 1 5/8" x 3 1/4" x 12 GA.
Two Pcs. AS 200EH Welded Back-to-Back.
9/16" x 1 1/8" Elongated Holes on 2" Centers
Page 77



AS 210 SS/ZTC/HG
Channel
Size: 1 5/8" x 1 5/8" x 14 GA.
Pages 78 & 79



AS 210EH SS/ZTC/HG
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 14 GA. 9/16" x 1 1/8"
Elongated Holes on 2" Centers.
Page 79

AS 210BTB SS/ZTC/HG
Welded Channel
Size: 1 5/8" x 3 1/4" x 14 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Pages 78 & 79

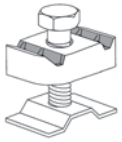
AS 500 SS/ZTC/HG
Channel
Size: 1 5/8" x 13/16" x 14 GA.
Pages 80 & 81

AS 500EH SS/ZTC/HG
Channel with Elongated Holes
Size: 1 5/8" x 13/16" x 14 GA. 9/16" x 1 1/8"
Elongated Holes on 2" Centers.
Page 81

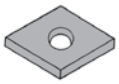
AS 500BTB SS/ZTC/HG
Welded Channel
Size: 1 5/8" x 1 5/8" x 14 GA.
Two Pcs. AS 500 Welded Back-to-Back.
Pages 80 & 81

AS NS SS/ZTC
Clamping Nut without Spring
Use with all 1 5/8" wide channel
Page 82

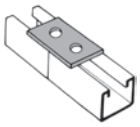
AS RS SS/ZTC
Clamping Nut with Regular Spring
Use with AS 200, AS 210 and AS 300
Page 82



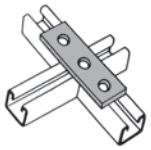
AS 3500 ZTC
Seismic Rod Stiffener
Page 88



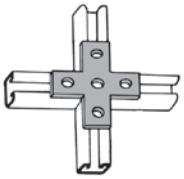
AS 619 SS/ZTC
Square Washer
Page 83



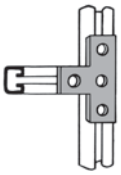
AS 601 ZTC
Two Hole Splice Plate
Page 82



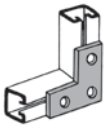
AS 602 ZTC
Three Hole Splice Plate
Page 82



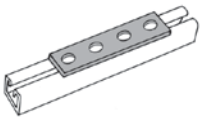
AS 712 ZTC
Cross Plate
Page 84



AS 714 ZTC
"T" Plate
Page 84

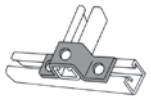


AS 718 ZTC
Flat Angle Plate
Page 85



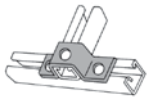
AS 888 ZTC
Four Hole Splice Plate
Page 85

AS 616 ZTC
Four Hole Splice Clevis
Use with AS 200 & AS 210.
Page 83

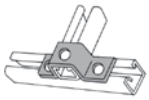


AS 613 ZTC
"U" Support
Use with AS 200, AS 210 and AS 500BTB.
Page 83

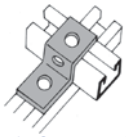
SPECIALTY STRUT (Stainless Steel • Zinc Trivalent Chromium • Hot Dipped Galvanized) *Continued*



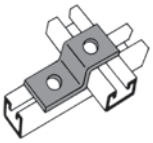
AS 679 ZTC
"U" Support
Use with AS 100, AS 200BTB and AS 210BTB.
Page 84



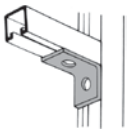
AS 929 ZTC
"U" Support
Use with AS 500 & AS 520.
Page 86



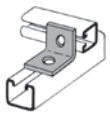
AS 611 ZTC
"Z" Support
Use with AS 200, AS 210 and AS 500BTB.
Page 83



AS 928 ZTC
"Z" Support
Use with AS 500 & AS 520.
Page 86



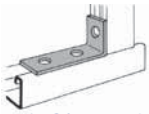
AS 603 ZTC
Two Hole End Angle
Page 82



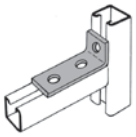
AS 604 ZTC
Two Hole Corner Angle
Page 82

AS 624 ZTC
Two Hole Closed Angle Connector
Page 83

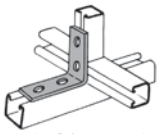
AS 633 ZTC
Two Hole Open Angle Connector
Page 83



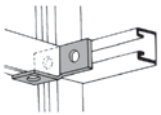
AS 605 ZTC
Three Hole Corner Angle
Page 82



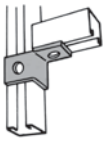
AS 606 ZTC
Three Hole Corner Angle
Page 82



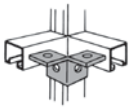
AS 607 ZTC
Four Hole Corner Angle
Page 83



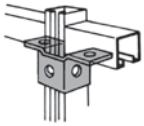
AS 720 ZTC
RH & LH Angle Plate Connector
Page 85



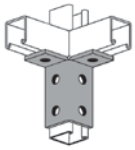
AS 922 RH & LH ZTC
Two Hole Single Corner Angle Connector
Page 86



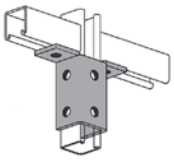
AS 665 ZTC
Four Hole Double Corner Connector
Page 84



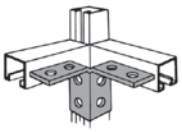
AS 923 ZTC
Five Hole Two Angle Connector
Page 86



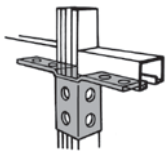
AS 666 ZTC
Six Hole Double Corner Connector
Page 84



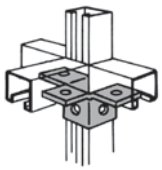
AS 821 ZTC
Eight Hole Double Angle Connector
Page 85



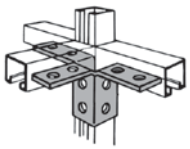
AS 667 ZTC
Eight Hole Double Corner Connector
Page 84



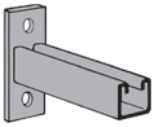
AS 913 ZTC
Ten Hole Two Angle Clevis Connector
Page 85



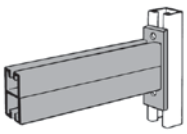
AS 668 ZTC
Six Hole Three Angle Connector
Page 84



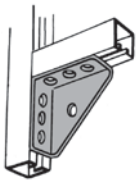
AS 669 ZTC
Twelve Hole Three Angle Clevis Connector
Page 84



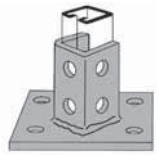
AS 651 ZTC
Reversible Strut Bracket
Page 83



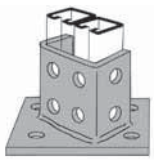
AS 809 ZTC
Double Channel Bracket
Page 85



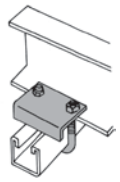
AS 3373 ZTC
Universal Angle Bracket
Page 88



AS 3033 ZTC
Post Base
Use with AS 200 and AS 210 Channel.
Page 87



AS 3064 ZTC
Double Column Post Base
Use with all 3¼" Channels.
Page 87



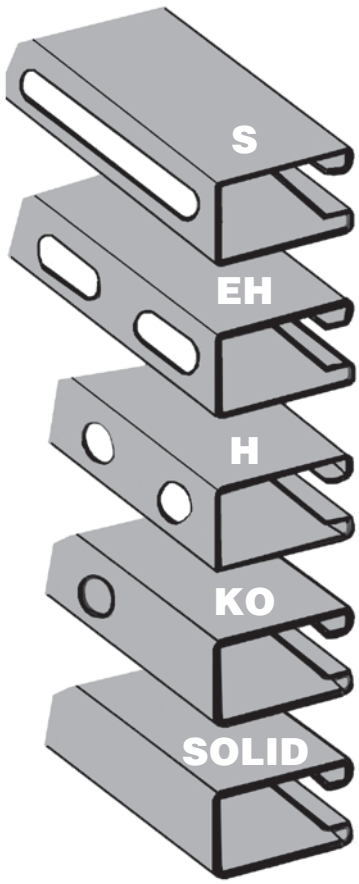
AS 2651 ZTC
Beam Clamp
Page 87

AS 1100 SS/ZTC
Rigid Steel Conduit Clamps
offered in pre-assembled only.
Page 86

AS 1200 SS/ZTC
O.D. Tubing Clamp
offered in pre-assembled only.
Page 87

ANVIL-STRUT™ CHANNEL FABRICATION DATA

ANVIL-STRUT™ STYLES



13/32" x 3" Slot, 4" on centers

9/16" x 1 1/8" Slot, 2" on centers

9/16" or 3/4" Dia. Hole, 1 7/8" on centers

7/8" Dia. Knockout, 6" on centers

S CHANNEL			
Catalog #	Gauge	Dimensions	Wt/100 Ft.
AS 100S	12	3 1/4 x 1 5/8	298#
AS 150S	12	2 7/16 x 1 5/8	239#
AS 200S	12	1 5/8 x 1 5/8	179#
AS 210S	14	1 5/8 x 1 5/8	130#
AS 300S	12	1 3/8 x 1 5/8	161#
AS 400S	12	1 x 1 5/8	134#
AS 520S	12	13/16 x 1 5/8	125#
AS 500S	14	13/16 x 1 5/8	94#

H 9/16 CHANNEL			
Catalog #	Gauge	Dimensions	Wt/100 Ft.
AS 100H	12	3 1/4 x 1 5/8	308#
AS 150H	12	2 7/16 x 1 5/8	249#
AS 200H	12	1 5/8 x 1 5/8	189#
AS 210H	14	1 5/8 x 1 5/8	140#
AS 300H	12	1 3/8 x 1 5/8	171#
AS 400H	12	1 x 1 5/8	144#
AS 520H	12	13/16 x 1 5/8	130#
AS 500H	14	13/16 x 1 5/8	98#

EH CHANNEL			
Catalog #	Gauge	Dimensions	Wt/100 Ft.
AS 100EH	12	3 1/4 x 1 5/8	308#
AS 150EH	12	2 7/16 x 1 5/8	254#
AS 200EH	12	1 5/8 x 1 5/8	189#
AS 210EH	14	1 5/8 x 1 5/8	140#
AS 300EH	12	1 3/8 x 1 5/8	171#
AS 400EH	12	1 x 1 5/8	144#
AS 520EH	12	13/16 x 1 5/8	130#
AS 500EH	14	13/16 x 1 5/8	98#

KO CHANNEL			
Catalog #	Gauge	Dimensions	Wt/100 Ft.
AS 100KO	12	3 1/4 x 1 5/8	313#
AS 150KO	12	2 7/16 x 1 5/8	254#
AS 200KO	12	1 5/8 x 1 5/8	194#
AS 210KO	14	1 5/8 x 1 5/8	145#
AS 300KO	12	1 3/8 x 1 5/8	176#
AS 400KO	12	1 x 1 5/8	149#
AS 520KO	12	13/16 x 1 5/8	135#
AS 500KO	14	13/16 x 1 5/8	103#

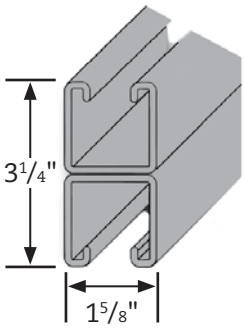
WELDED COMBINATIONS

All welded combinations illustrated below are available in any of our Anvil-Strut™ channels, in any of the following material or finishes: Plain, Pre-Galvanized, Supr-Green or Stainless Steel.

Our welded channels are normally spotwelded with a maximum of 2 inches on center for EH. All other channels are 3 inches on center or MIG welded where spotwelding is not possible. Dimensions shown are for welded variations of the AS 200 channel.

NOTE: SLOTTED CHANNELS AVAILABLE IN ALL WELDED COMBINATIONS.

BTB



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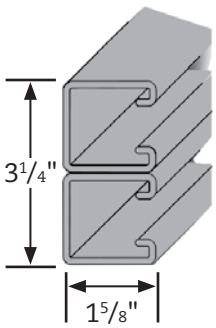

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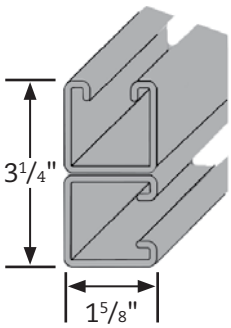
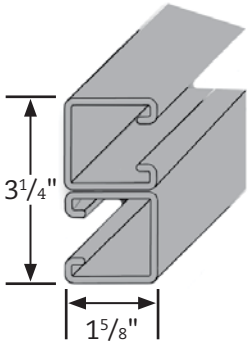
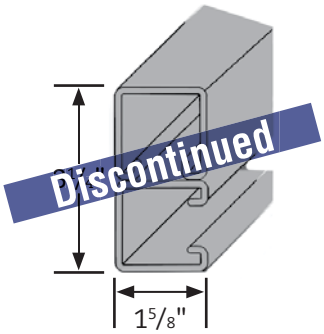


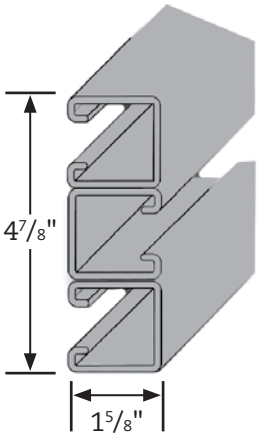
STSR



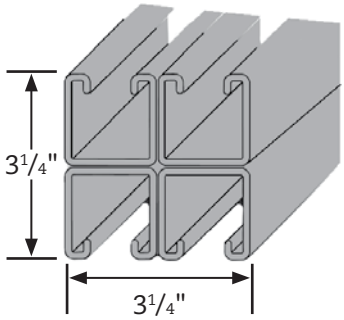
FTS



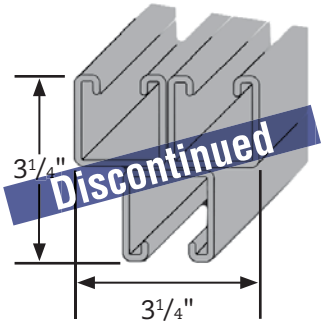
STS3



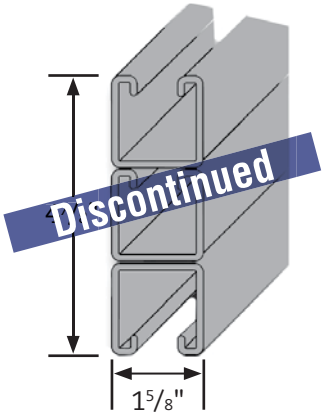
BTB4



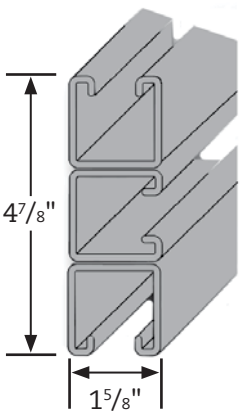
BTB3



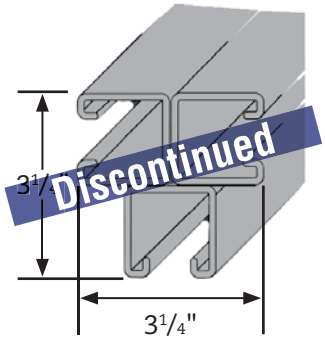
BTBF3



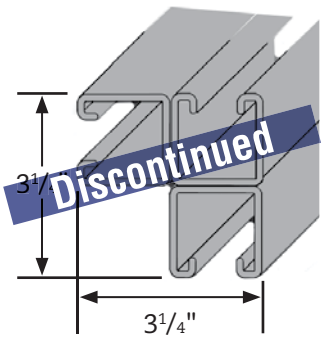
BTSB3

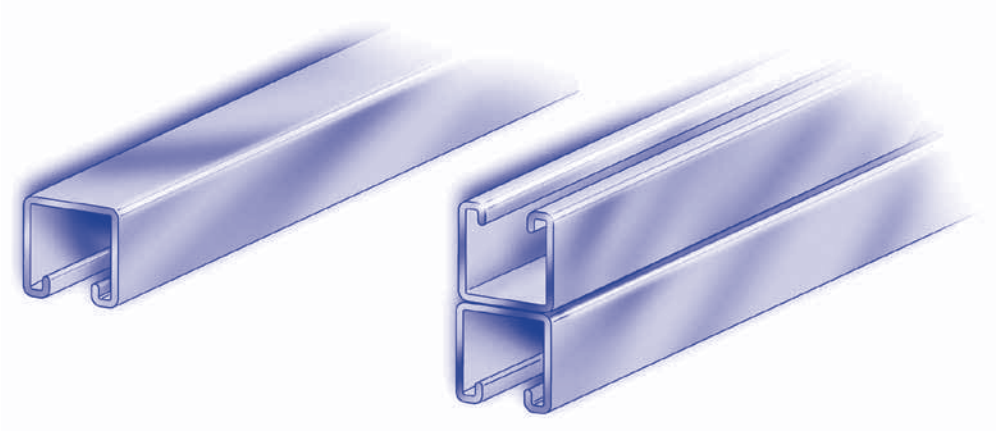


BTS3



BTBS





CHANNEL 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 .015", on outside dimensions.

MATERIAL

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

PRE-GALVANIZED STEEL	ASTM A-653
PLAIN STEEL	ASTM A-1011-04 SS
ALUMINUM (Type 6063T6)	ASTM B-221
STAINLESS STEEL (Type 304 and 316)	ASTM A-240

(See technical section for additional information.)

Other materials and specifications available on request. Certification (C of C or CMTR's) if required must be requested at the time of ordering.

WELDING

Channel combinations of two or more elements are spotwelded together to form various multiple combinations. The spotwelds 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 foot lengths with a tolerance of ± 1/8." Other lengths are available upon request.

FINISHES

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

LOADING DATA

1. When calculating load at center of span, multiply uniform load from table by .5 and deflection by .8.
2. When calculating beam and column loads for aluminum, multiply by .33.

BEAM AND COLUMN LOADING DATA

* Not recommended - Kl/r exceeds 200.

** For these loads, the uniform beam capacity is lower than the $l/240$ or $l/360$ beam capacity and is thereore the governing constraint.

*** Load limited by spotweld shear.

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.
3. The load chart shows beam capacities for strut without holes. For strut with holes, multiply by the following: KO by .82, H 3/4 by .85, H 9/16 by .88, EH by .88, S by .90.

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 For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

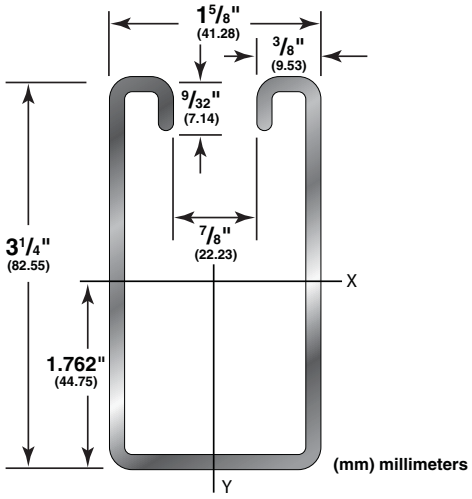
AS 100

3 1/4" x 1 5/8"

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	1.42	0.844	5.455	1.073	44.662	0.609	9.980	1.102	2.799	0.429	17.856	0.529	8.669	0.697	1.770
AS 100BTB	6.26	2.84	1.768	11.406	6.064	252.403	1.896	31.070	1.852	4.704	0.859	35.754	1.057	17.321	0.697	1.770

AS 100 BEAM AND COLUMN LOADS

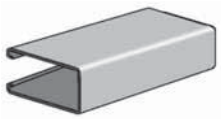
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 100	12,428	5,637	10,155	4,606	0.007	0.178	**	**	**	**
		AS 100 BTB	26,291	11,925	5,130 ***	2,327	0.004	0.102	**	**	**	**
18	457	AS 100	11,161	5,063	6,770	3,071	0.016	0.406	**	**	**	**
		AS 100 BTB	25,442	11,540	5,130 ***	2,327	0.009	0.229	**	**	**	**
24	610	AS 100	9,531	4,323	5,077	2,303	0.029	0.737	**	**	**	**
		AS 100 BTB	24,359	11,049	5,130 ***	2,327	0.016	0.406	**	**	**	**
30	762	AS 100	7,642	3,466	4,062	1,842	0.045	1.143	**	**	**	**
		AS 100 BTB	23,122	10,488	5,130 ***	2,327	0.025	0.635	**	**	**	**
36	914	AS 100	5,767	2,616	3,385	1,535	0.065	1.651	**	**	**	**
		AS 100 BTB	21,805	9,891	5,130 ***	2,327	0.036	0.914	**	**	**	**
42	1,067	AS 100	4,550	2,064	2,901	1,316	0.088	2.235	**	**	**	**
		AS 100 BTB	20,472	9,286	5,130 ***	2,327	0.049	1.245	**	**	**	**
48	1,219	AS 100	3,754	1,703	2,539	1,152	0.115	2.921	**	**	**	**
		AS 100 BTB	19,169	8,695	5,130 ***	2,327	0.064	1.626	**	**	**	**
60	1,524	AS 100	2,803	1,271	2,031	921	0.180	4.572	**	**	1,876	851
		AS 100 BTB	16,771	7,607	5,130 ***	2,327	0.099	2.515	**	**	**	**
72	1,829	AS 100	2,268	1,029	1,692	767	0.260	6.604	**	**	1,303	591
		AS 100 BTB	14,733	6,688	5,130 ***	2,327	0.143	3.632	**	**	**	**
84	2,134	AS 100	1,927	874	1,451	658	0.354	8.992	1,436	651	957	434
		AS 100 BTB	13,073	5,930	4,515	2,048	0.195	4.953	**	**	**	**
96	2,438	AS 100	1,688	766	1,269	576	0.462	11.735	1,099	498	733	332
		AS 100 BTB	11,917	5,405	3,950	1,792	0.254	6.452	**	**	**	**
108	2,743	AS 100	1,509	684	1,128	512	0.585	14.859	869	394	579	263
		AS 100 BTB	9,933	4,506	3,512	1,593	0.322	8.179	**	**	3,272	1,484
120	3,048	AS 100	1,366	620	1,015	460	0.722	18.339	703	319	469	213
		AS 100 BTB	8,046	3,650	3,160	1,433	0.398	10.109	**	**	2,650	1,202
180	4,572	AS 100	*	*	677	307	1.624	41.250	313	142	208	94
		AS 100 BTB	*	*	2,107	956	0.894	22.708	1,767	801	1,178	534
240	6,096	AS 100	*	*	508	230	2.887	73.330	176	80	117	53
		AS 100 BTB	*	*	1,580	717	1.590	40.386	994	451	662	300

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 100 | **PL, GR, PG**

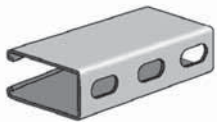
SOLID

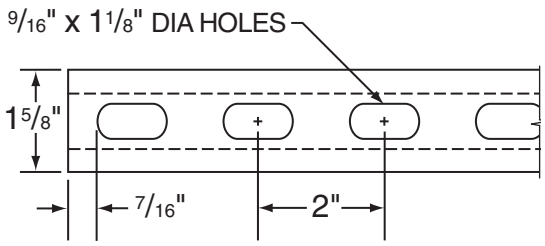


Wt/100 Ft: 305 lbs.

AS 100EH | **PL, GR, PG**

WITH ELONGATED HOLES

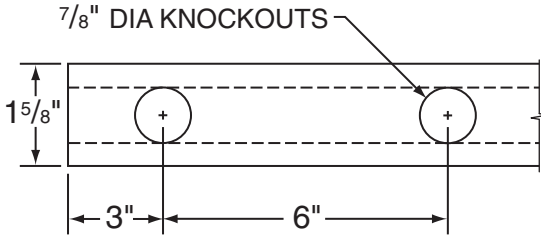




Wt/100 Ft: 300 lbs.

AS 100KO | **PL, GR, PG**

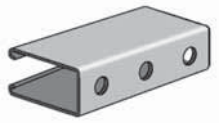
WITH KNOCK OUT

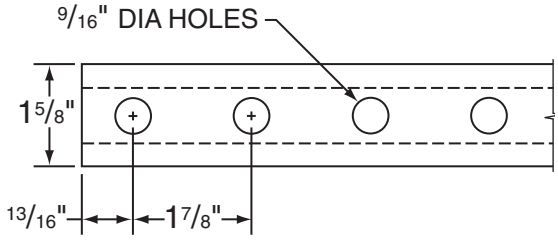


Wt/100 Ft: 305 lbs.

AS 100H | **PL, GR, PG**

WITH HOLES

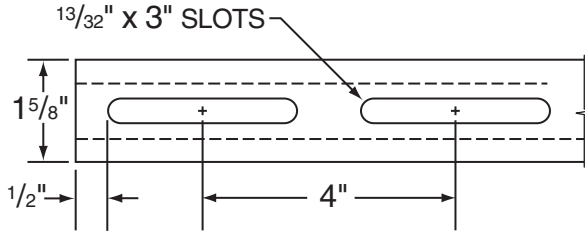




3/4" dia. holes available AS 100H MOD
Wt/100 Ft: 300 lbs.

AS 100S | **PL, GR, PG**

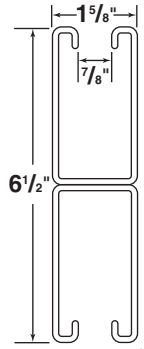
WITH LONG SLOTS



Wt/100 Ft: 300 lbs.

AS 100BTB | **PL, GR, PG**

WELDED



Wt/100 Ft: 610 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
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

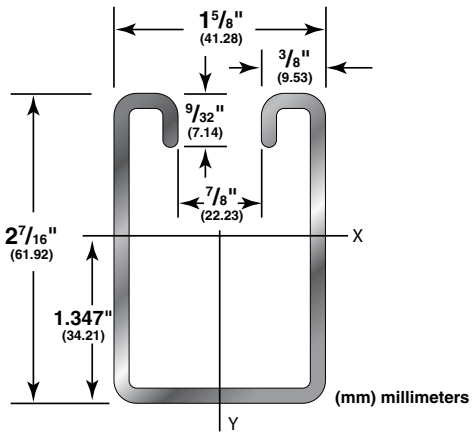
AS 150

$2^{7}/_{16}$" x $1^{5}/_{8}$"

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	1.15	0.714	4.606	0.509	21.186	0.378	6.194	0.844	2.144	0.331	13.777	0.408	6.686	0.681	1.730
AS 150BTB	5.08	2.30	1.428	9.213	2.721	113.257	1.141	18.698	1.381	3.508	0.663	27.596	0.815	13.355	0.681	1.730

AS 150 BEAM AND COLUMN LOADS

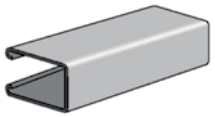
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ $^{l}/_{240}$		Uniform Load @ $^{l}/_{360}$	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 150	9,774	4,433	6,305	2,860	0.009	0.229	**	**	**	**
		AS 150 BTB	20,586	9,338	3,880 ***	1,760	0.005	0.127	**	**	**	**
18	457	AS 150	8,861	4,019	4,203	1,906	0.021	0.533	**	**	**	**
		AS 150 BTB	19,931	9,041	3,880 ***	1,760	0.012	0.305	**	**	**	**
24	610	AS 150	7,744	3,513	3,152	1,430	0.038	0.965	**	**	**	**
		AS 150 BTB	19,144	8,684	3,880 ***	1,760	0.021	0.533	**	**	**	**
30	762	AS 150	6,524	2,959	2,522	1,144	0.059	1.499	**	**	**	**
		AS 150 BTB	18,304	8,303	3,880 ***	1,760	0.033	0.838	**	**	**	**
36	914	AS 150	5,275	2,393	2,102	953	0.085	2.159	**	**	**	**
		AS 150 BTB	17,474	7,926	3,880 ***	1,760	0.048	1.219	**	**	**	**
42	1,067	AS 150	4,284	1,943	1,801	817	0.116	2.946	**	**	**	**
		AS 150 BTB	16,693	7,572	3,880 ***	1,760	0.065	1.651	**	**	**	**
48	1,219	AS 150	3,629	1,646	1,576	715	0.151	3.835	**	**	1,390	630
		AS 150 BTB	15,981	7,249	3,880 ***	1,760	0.085	2.159	**	**	**	**
60	1,524	AS 150	2,824	1281	1,261	572	0.236	5.994	**	**	890	404
		AS 150 BTB	14,790	6,709	3,803	1,725	0.133	3.378	**	**	**	**
72	1,829	AS 150	2,346	1,064	1,051	477	0.340	8.636	927	420	618	280
		AS 150 BTB	13,881	6,296	3,169	1,437	0.192	4.877	**	**	**	**
84	2,134	AS 150	2,021	917	901	409	0.463	11.760	681	309	454	206
		AS 150 BTB	12,054	5,468	2,716	1,232	0.261	6.629	**	**	2,427	1,101
96	2,438	AS 150	1,778	806	788	357	0.605	15.367	521	236	347	157
		AS 150 BTB	9,409	4,268	2,377	1,078	0.341	8.661	**	**	1,858	843
108	2,743	AS 150	1,584	718	701	318	0.765	19.431	412	187	275	125
		AS 150 BTB	7,434	3,372	2,113	958	0.431	10.947	**	**	1,468	666
120	3,048	AS 150	1,422	645	630	286	0.945	24.003	334	151	222	101
		AS 150 BTB	6,022	2,732	1,901	862	0.532	13.513	1,784	809	1,189	539
180	4,572	AS 150	*	*	420	191	2.126	54.004	148	67	99	45
		AS 150 BTB	*	*	1,268	575	1.199	30.455	793	360	529	240
240	6,096	AS 150	*	*	315	143	3.780	96.012	83	38	56	25
		AS 150 BTB	*	*	951	431	2.131	54.127	446	202	297	135

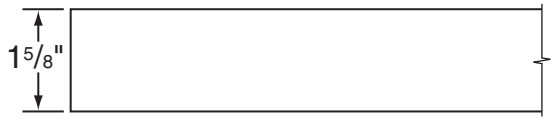
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 150 | **PL, GR, PG**

SOLID

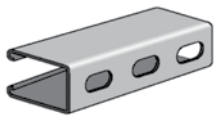


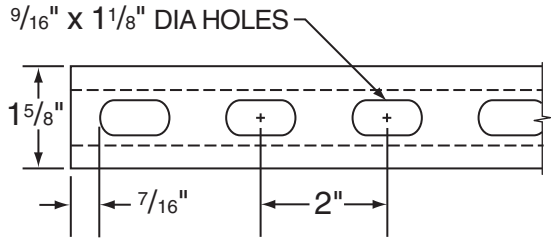


Wt/100 Ft: 247 lbs.

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

WITH ELONGATED HOLES

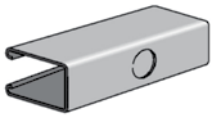


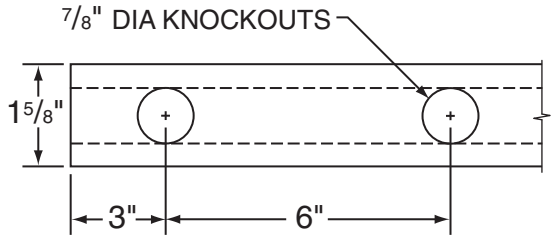


Wt/100 Ft: 242 lbs.

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

WITH KNOCK OUT

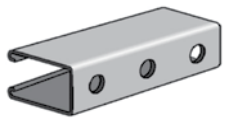


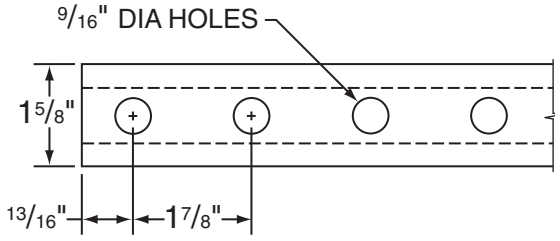


Wt/100 Ft: 247 lbs.

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

WITH HOLES

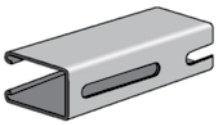


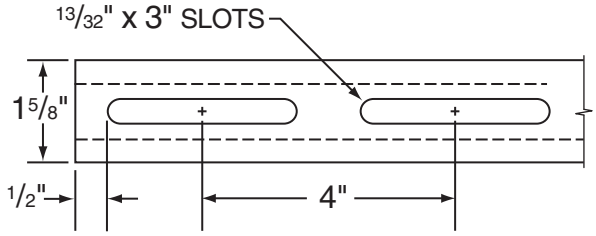


3/4" dia. holes available AS 150H MOD
Wt/100 Ft: 300 lbs.

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

WITH LONG SLOTS

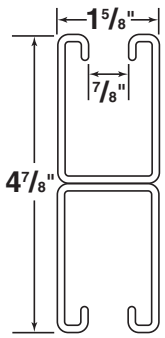




Wt/100 Ft: 242 lbs.

AS 150BTB | **PL, GR, PG**

WELDED



Wt/100 Ft: 484 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 For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

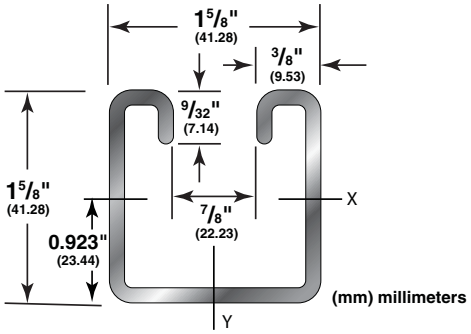
AS 200

1 5/8" x 1 5/8"

12 Gauge Channel wt./100 ft. - 194#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	0.88	0.544	3.510	0.180	7.492	0.195	3.195	0.575	1.461	0.233	9.698	0.287	4.703	0.655	1.664
AS 200BTB	3.88	1.76	1.088	7.019	0.896	37.294	0.570	9.341	0.908	2.306	0.466	19.396	0.574	9.406	0.655	1.664

AS 200 BEAM AND COLUMN LOADS

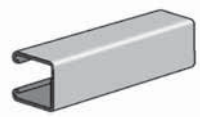
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
In	mm		Lbs	kg	Lbs	kg	In	mm	Lbs	kg	Lbs	kg
12	305	AS 200	7,109	3,225	3,249	1,474	0.014	0.356	**	**	**	**
		AS 200 BTB	14,862	6,741	2,610 ***	1,184	0.008	0.203	**	**	**	**
18	457	AS 200	6,549	2,971	2,166	982	0.031	0.787	**	**	**	**
		AS 200 BTB	14,402	6,533	2,610 ***	1,184	0.018	0.457	**	**	**	**
24	610	AS 200	5,938	2,693	1,625	737	0.055	1.397	**	**	**	**
		AS 200 BTB	13,919	6,314	2,610 ***	1,184	0.032	0.813	**	**	**	**
30	762	AS 200	5,337	2,421	1,300	590	0.086	2.184	**	**	1,257	570
		AS 200 BTB	13,473	6,111	2,610 ***	1,184	0.050	1.270	**	**	**	**
36	914	AS 200	4,771	2,164	1,083	481	0.124	3.150	**	**	873	396
		AS 200 BTB	13,090	5,938	2,610 ***	1,184	0.072	1.829	**	**	**	**
42	1,067	AS 200	4,242	1,924	928	421	0.169	4.293	**	**	641	291
		AS 200 BTB	12,771	5,793	2,610 ***	1,184	0.099	2.515	**	**	**	**
48	1,219	AS 200	3,745	1,699	812	368	0.220	5.588	737	334	491	223
		AS 200 BTB	12,511	5,675	2,610 ***	1,184	0.129	3.277	**	**	**	**
60	1,524	AS 200	3,012	1,366	650	295	0.344	8.738	471	214	314	142
		AS 200 BTB	11,685	5,300	1,899	861	0.202	5.131	**	**	1,566	710
72	1,829	AS 200	2,514	1,140	542	246	0.496	12.598	327	148	218	99
		AS 200 BTB	10,078	4,571	1,582	718	0.291	7.391	**	**	1,087	493
84	2,134	AS 200	2,136	969	464	210	0.675	17.145	240	109	160	73
		AS 200 BTB	8,180	3,710	1,356	615	0.396	10.058	1,199	544	799	362
96	2,438	AS 200	1,834	832	406	184	0.882	22.403	184	83	123	56
		AS 200 BTB	6,291	2,854	1,187	538	0.517	13.132	917	416	611	277
108	2,743	AS 200	1,585	719	361	164	1.116	28.346	145	66	97	44
		AS 200 BTB	4,971	2,255	1,055	479	0.655	16.657	725	329	483	219
120	3,048	AS 200	*	*	325	147	1.378	35.001	117	53	78	35
		AS 200 BTB	4,026	1,826	949	430	0.808	20.523	587	266	391	177
180	4,572	AS 200	*	*	217	98	3.099	78.715	52	24	35	16
		AS 200 BTB	*	*	633	287	1.819	46.203	261	118	174	79
240	6,096	AS 200	*	*	163	74	5.510	139.954	29	13	19	9
		AS 200 BTB	*	*	474	215	3.233	82.118	147	67	98	44

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 200 | **PL, GR, PG**

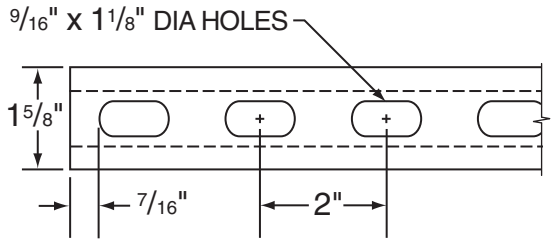
SOLID



Wt/100 Ft: 190 lbs.

AS 200EH | **PL, GR, PG**

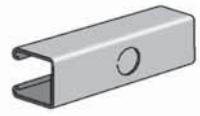
WITH ELONGATED HOLES

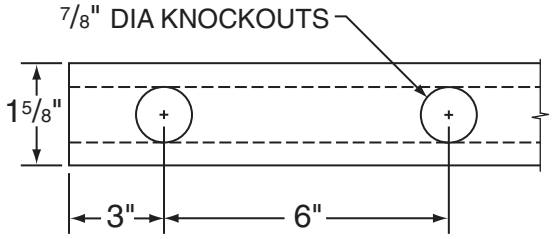


Wt/100 Ft: 185 lbs.

AS 200KO | **PL, GR, PG**

WITH KNOCK OUT

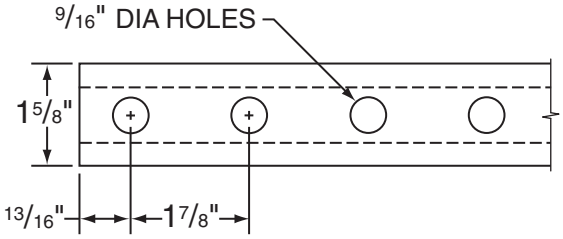




Wt/100 Ft: 190 lbs.

AS 200H | **PL, GR, PG**

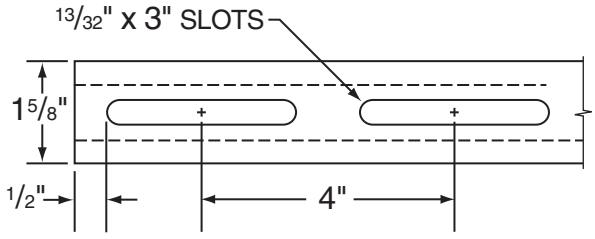
WITH HOLES



3/4" dia. holes available AS 200H MOD
Wt/100 Ft: 186 lbs.

AS 200S | **PL, GR, PG**

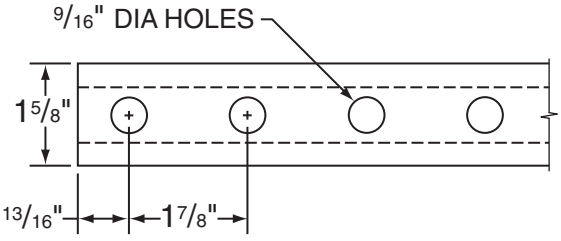
WITH LONG SLOTS



Wt/100 Ft: 185 lbs.

AS 200H3 | **PL, GR, PG**

WITH HOLES ON ALL 3 SIDES

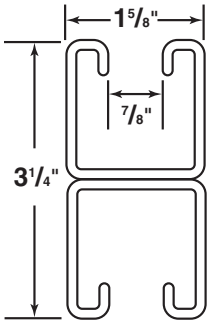


Holes on all three sides are 1 7/8" on center.
Wt/100 Ft: 179 lbs.

LEGEND:

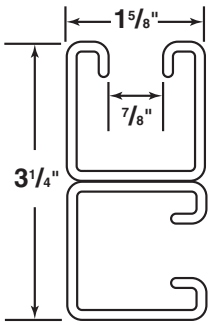
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 200BTB	PL, GR, PG
WELDED	



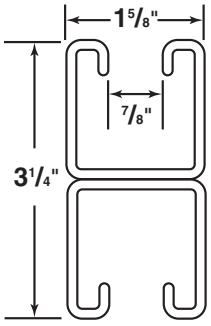
Wt/100 Ft: 380 lbs.

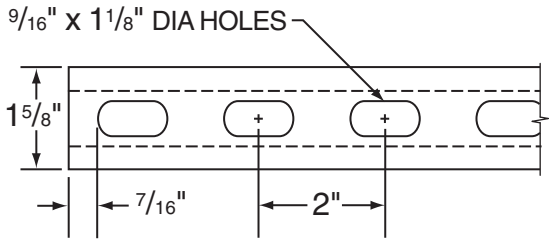
AS 200BTS	PL, GR, PG
WELDED	



Wt/100 Ft: 380 lbs.

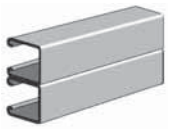
AS 200EH BTB	PL, GR, PG
WELDED WITH ELONGATED HOLES	

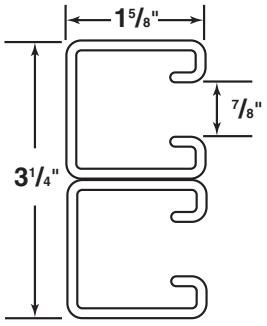




Wt/100 Ft: 370 lbs.

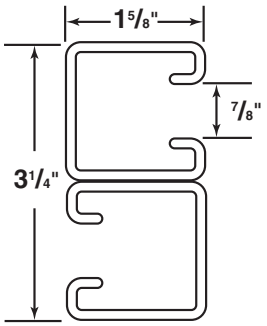
AS 200STS	PL, GR, PG
WELDED	





Wt/100 Ft: 380 lbs.

AS 200STSR	PL, GR, PG
WELDED	



Wt/100 Ft: 380 lbs.

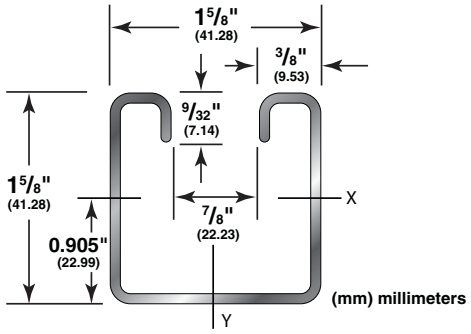
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 210
1⅝" x 1⅝"

14 Gauge Channel wt./100 ft. - 145#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	0.66	0.407	2.626	0.143	5.952	0.158	2.589	0.593	1.506	0.179	7.451	0.221	3.622	0.664	1.687
AS 210BTB	2.90	1.32	0.814	5.252	0.706	29.386	0.445	7.292	0.931	2.365	0.359	14.943	0.441	7.227	0.664	1.687

AS 210 BEAM AND COLUMN LOADS

Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ l/240		Uniform Load @ l/360	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 210	5,548	2,517	2,631	1,193	0.014	0.356	**	**	**	**
		AS 210 BTB	11,600	5,262	1,750 ***	794	0.008	0.203	**	**	**	**
18	457	AS 210	5,066	2,298	1,754	796	0.032	0.813	**	**	**	**
		AS 210 BTB	11,210	5,085	1,750 ***	794	0.018	0.457	**	**	**	**
24	610	AS 210	4,473	2,029	1,316	597	0.056	1.422	**	**	**	**
		AS 210 BTB	10,738	4,871	1,750 ***	794	0.032	0.813	**	**	**	**
30	762	AS 210	3,817	1,731	1,052	477	0.088	2.235	**	**	1,001	454
		AS 210 BTB	10,230	4,640	1,750 ***	794	0.050	1.270	**	**	**	**
36	914	AS 210	3,141	1,425	877	398	0.126	3.200	**	**	695	315
		AS 210 BTB	9,722	4,410	1,750 ***	794	0.072	1.829	**	**	**	**
42	1,067	AS 210	2,546	1,155	752	341	0.172	4.369	**	**	511	232
		AS 210 BTB	9,239	4,191	1,750 ***	794	0.098	2.489	**	**	**	**
48	1,219	AS 210	2,148	974	658	298	0.224	5.690	587	266	391	177
		AS 210 BTB	8,796	3,990	1,750 ***	794	0.128	3.251	**	**	**	**
60	1,524	AS 210	1,659	753	526	239	0.350	8.890	376	171	250	113
		AS 210 BTB	8,046	3,650	1,482	672	0.200	5.080	**	**	1,234	560
72	1,829	AS 210	1,370	621	439	199	0.504	12.802	261	118	174	79
		AS 210 BTB	7,466	3,387	1,235	560	0.288	7.315	**	**	857	389
84	2,134	AS 210	1,174	533	376	171	0.687	17.450	192	87	128	58
		AS 210 BTB	6,528	2,961	1,058	480	0.392	9.957	944	428	629	285
96	2,438	AS 210	1,028	466	329	149	0.897	22.784	147	67	98	44
		AS 210 BTB	5,042	2,287	926	420	0.512	13.005	723	328	482	219
108	2,743	AS 210	911	413	292	132	1.135	28.829	116	53	77	35
		AS 210 BTB	3,983	1,807	823	373	0.649	16.485	571	259	381	173
120	3,048	AS 210	*	*	263	119	1.401	35.585	94	43	63	29
		AS 210 BTB	3,227	1,464	741	336	0.801	20.345	463	210	308	140
180	4,572	AS 210	*	*	175	79	3.153	80.086	42	19	28	13
		AS 210 BTB	1,434	650	494	224	1.802	45.771	206	93	137	62
240	6,096	AS 210	*	*	132	60	5.605	142.367	23	10	16	7
		AS 210 BTB	*	*	370	168	3.203	81.356	116	53	77	35

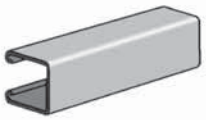
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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 For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 210 | PL, GR, PG

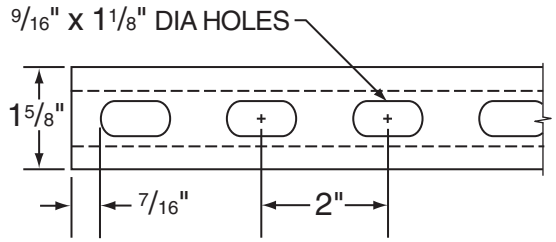
SOLID



Wt/100 Ft: 141 lbs.

AS 210EH | PL, GR, PG

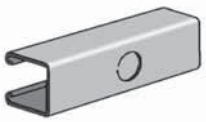
WITH ELONGATED HOLES

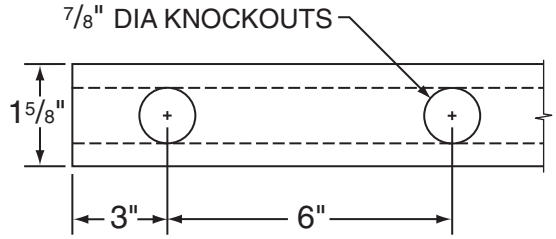


Wt/100 Ft: 137 lbs.

AS 210KO | PL, GR, PG

WITH KNOCK OUT

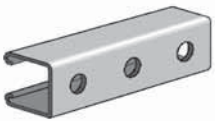


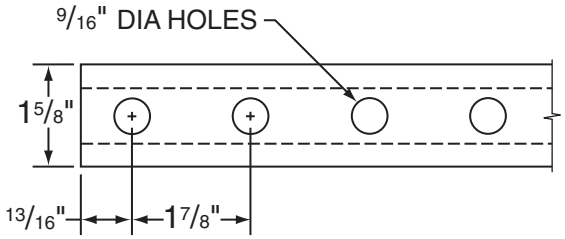


Wt/100 Ft: 141 lbs.

AS 210H | PL, GR, PG

WITH HOLES

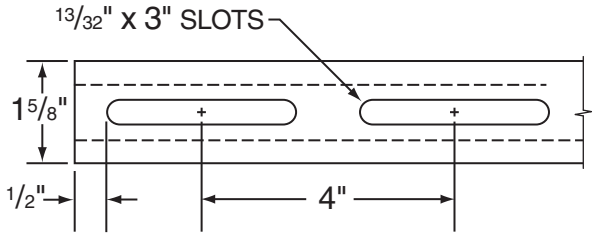




3/4" dia. holes available AS 210H MOD
Wt/100 Ft: 137 lbs.

AS 210S | PL, GR, PG

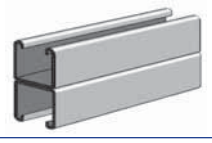
WITH LONG SLOTS

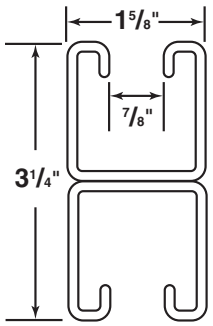


Wt/100 Ft: 137 lbs.

AS 210BTB | PL, GR, PG

WELDED





Wt/100 Ft: 282 lbs.

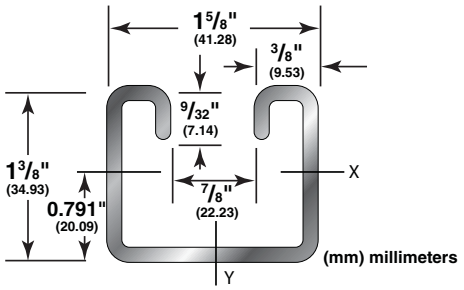
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 300
1 3/8" x 1 5/8"

12 Gauge Channel wt./100 ft. - 176#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	0.80	0.492	3.174	0.117	4.870	0.148	2.425	0.489	1.242	0.203	8.449	0.250	4.097	0.642	1.631
AS 300BTB	3.52	1.60	0.983	6.342	0.570	23.725	0.431	7.063	0.762	1.935	0.406	16.899	0.499	8.177	0.642	1.631

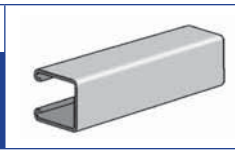
AS 300 BEAM AND COLUMN LOADS

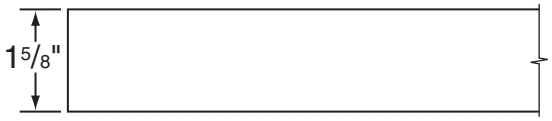
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
In	mm		Lbs	kg	Lbs	kg	In	mm	Lbs	kg	Lbs	kg
12	305	AS 300	6,286	2,851	2,473	1,122	0.016	0.406	**	**	**	**
		AS 300 BTB	13,094	5,939	2,210 ***	1,002	0.010	0.254	**	**	**	**
18	457	AS 300	5,835	2,647	1,649	748	0.036	0.914	**	**	**	**
		AS 300 BTB	12,695	5,758	2,210 ***	1,002	0.022	0.559	**	**	**	**
24	610	AS 300	5,371	2,436	1,236	561	0.064	1.626	**	**	**	**
		AS 300 BTB	12,310	5,584	2,210 ***	1,002	0.038	0.965	**	**	**	**
30	762	AS 300	4,935	2,238	989	449	0.100	2.540	**	**	820	372
		AS 300 BTB	11,979	5,434	2,210 ***	1,002	0.060	1.524	**	**	**	**
36	914	AS 300	4,533	2,056	824	374	0.145	3.683	**	**	570	259
		AS 300 BTB	11,713	5,313	2,210 ***	1,002	0.086	2.184	**	**	**	**
42	1,067	AS 300	4,157	1,886	707	321	0.197	5.004	628	285	419	190
		AS 300 BTB	11,503	5,218	2,053	931	0.118	2.997	**	**	2,035	923
48	1,219	AS 300	3,795	1,721	618	280	0.257	6.528	481	218	320	145
		AS 300 BTB	11,338	5,143	1,797	815	0.154	3.912	**	**	1,558	707
60	1,524	AS 300	3,094	1,403	495	225	0.402	10.211	308	140	205	93
		AS 300 BTB	10,191	4,623	1,437	652	0.240	6.096	**	**	997	452
72	1,829	AS 300	2,551	1,157	413	187	0.579	14.707	214	97	142	64
		AS 300 BTB	8,718	3,709	1,198	543	0.346	8.788	1,039	471	692	314
84	2,134	AS 300	2,131	967	353	160	0.788	20.015	157	71	105	48
		AS 300 BTB	6,978	3,165	1,027	466	0.471	11.963	763	346	509	231
96	2,438	AS 300	1,797	815	309	140	1.029	26.137	120	54	80	36
		AS 300 BTB	5,347	2,425	898	407	0.615	15.621	584	265	389	176
108	2,743	AS 300	*	*	275	125	1.302	33.071	95	43	63	29
		AS 300 BTB	4,225	1,916	799	362	0.778	19.761	462	210	308	140
120	3,048	AS 300	*	*	247	112	1.608	40.843	77	35	51	23
		AS 300 BTB	3,422	1,552	719	326	0.961	24.409	374	170	249	113
180	4,572	AS 300	*	*	165	75	3.618	91.897	34	15	23	10
		AS 300 BTB	*	*	479	217	2.162	54.915	166	75	111	50
240	6,096	AS 300	*	*	124	56	6.431	163.347	19	8	13	6
		AS 300 BTB	*	*	359	163	3.844	97.638	93	42	62	28

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

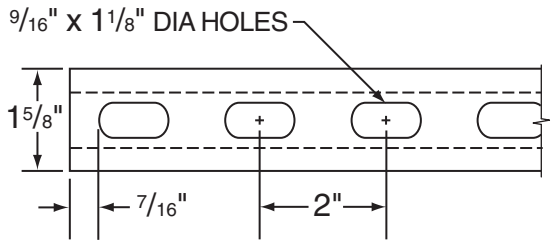
AS 300 | PL, GR, PG
SOLID





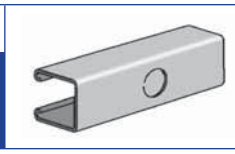
Wt/100 Ft: 170 lbs.

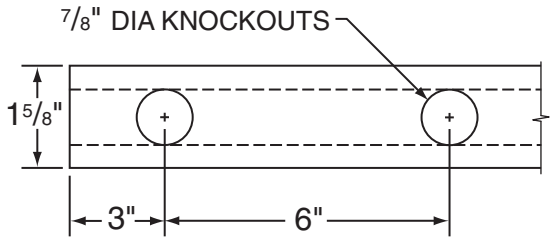
AS 300EH | PL, GR, PG
WITH ELONGATED HOLES



Wt/100 Ft: 165 lbs.

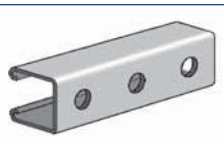
AS 300KO | PL, GR, PG
WITH KNOCK OUT

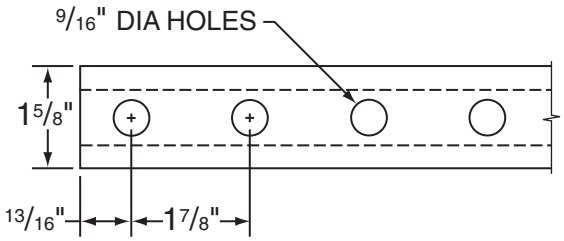




Wt/100 Ft: 170 lbs.

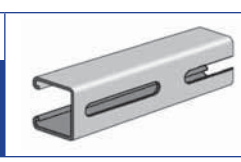
AS 300H | PL, GR, PG
WITH HOLES

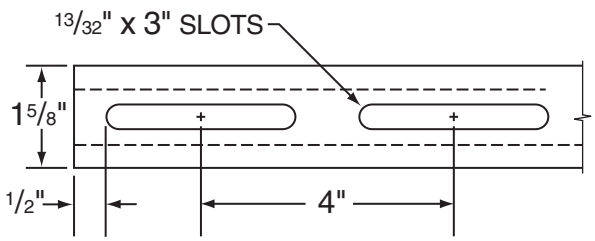




3/4" dia. holes available AS 300H MOD
Wt/100 Ft: 165 lbs.

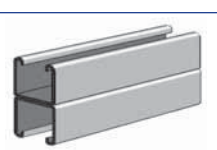
AS 300S | PL, GR, PG
WITH LONG SLOTS

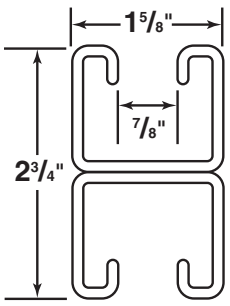




Wt/100 Ft: 165 lbs.

AS 300BTB | PL, GR, PG
WELDED





Wt/100 Ft: 340 lbs.

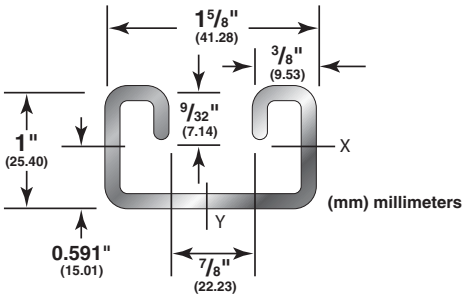
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 400
1" x 1⅝"

12 Gauge Channel wt./100 ft. - 149#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	0.68	0.413	2.665	0.052	2.164	0.088	1.442	0.353	0.897	0.157	6.535	0.194	3.179	0.617	1.567
AS 400BTB	2.98	1.35	0.826	5.329	0.243	10.114	0.256	4.195	0.542	1.377	0.315	13.111	0.388	6.358	0.617	1.567

AS 400 BEAM AND COLUMN LOADS

Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 400	5,046	2,289	1,460	662	0.022	0.559	**	**	**	**
		AS 400 BTB	10,430	4,731	1,590 ***	721	0.013	0.330	**	**	**	**
18	457	AS 400	4,757	2,158	973	441	0.049	1.245	**	**	**	**
		AS 400 BTB	10,134	4,597	1,590 ***	721	0.030	0.762	**	**	**	**
24	610	AS 400	4,496	2,039	730	331	0.086	2.184	**	**	564	256
		AS 400 BTB	9,897	4,489	1,590 ***	721	0.054	1.371	**	**	**	**
30	762	AS 400	4,264	1,934	584	265	0.135	3.429	541	245	361	164
		AS 400 BTB	9,723	4,410	1,590 ***	721	0.084	2.134	**	**	1,698 **	770
36	914	AS 400	4,047	1,836	487	221	0.194	4.928	376	171	251	114
		AS 400 BTB	9,599	4,354	1,423	645	0.121	3.073	**	**	1,179	535
42	1,067	AS 400	3,831	1,738	417	189	0.264	6.706	276	125	184	83
		AS 400 BTB	9,420	4,273	1,220	553	0.164	4.166	**	**	866	393
48	1,219	AS 400	3,604	1,635	365	166	0.345	8.763	211	96	141	64
		AS 400 BTB	8,984	4,075	1,067	484	0.215	5.461	995	451	663	301
60	1,524	AS 400	3,089	1,401	292	132	0.540	13.716	135	61	90	41
		AS 400 BTB	7,940	3,602	854	387	0.335	8.509	637	289	424	192
72	1,829	AS 400	*	*	243	110	0.777	19.736	94	43	63	29
		AS 400 BTB	6,664	3,023	712	323	0.483	12.268	442	200	295	134
84	2,134	AS 400	*	*	209	95	1.058	26.873	69	31	46	21
		AS 400 BTB	5,167	2,344	610	277	0.657	16.688	325	147	217	98
96	2,438	AS 400	*	*	183	83	1.381	35.077	53	24	35	16
		AS 400 BTB	3,956	1,794	534	242	0.858	21.793	249	113	166	75
108	2,743	AS 400	*	*	162	73	1.748	44.399	42	19	28	13
		AS 400 BTB	*	*	474	215	1.086	27.584	197	89	131	59
120	3,048	AS 400	*	*	146	66	2.158	54.813	34	15	23	10
		AS 400 BTB	*	*	427	194	1.341	34.061	159	72	106	48
180	4,572	AS 400	*	*	97	44	4.857	123.368	15	7	10	5
		AS 400 BTB	*	*	285	129	3.018	76.657	71	32	47	21
240	6,096	AS 400	*	*	73	33	8.634	219.304	8	4	6	3
		AS 400 BTB	*	*	213	97	5.364	136.246	40	18	27	12

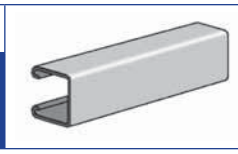
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

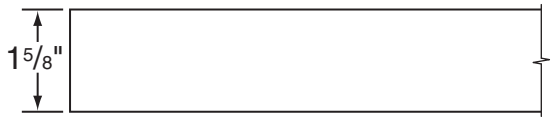
LEGEND:

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 For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 400 | PL, GR, PG

SOLID

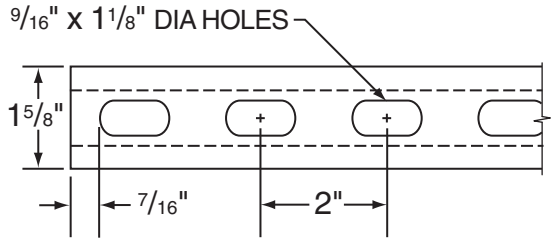




Wt/100 Ft: 146 lbs.

AS 400EH | PL, GR, PG

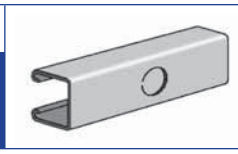
WITH ELONGATED HOLES

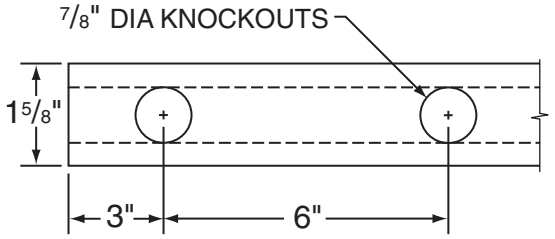


Wt/100 Ft: 141 lbs.

AS 400KO | PL, GR, PG

WITH KNOCK OUT

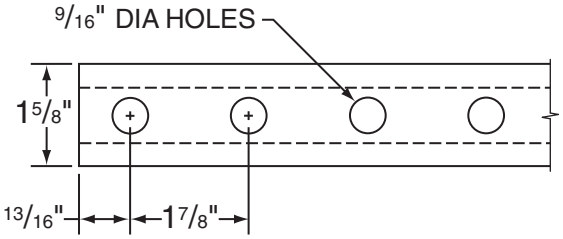




Wt/100 Ft: 146 lbs.

AS 400H | PL, GR, PG

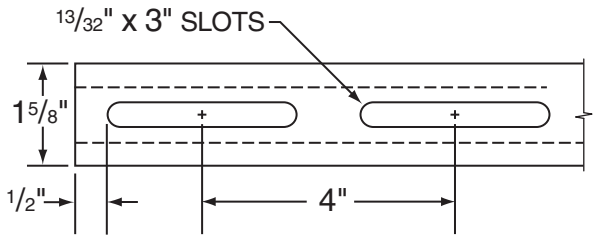
WITH HOLES



3/4" dia. holes available AS 400H MOD
Wt/100 Ft: 141 lbs.

AS 400S | PL, GR, PG

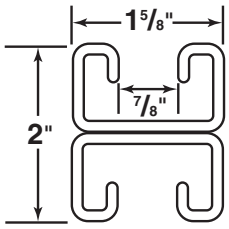
WITH LONG SLOTS



Wt/100 Ft: 141 lbs.

AS 400BTB | PL, GR, PG

WELDED



Wt/100 Ft: 292 lbs.

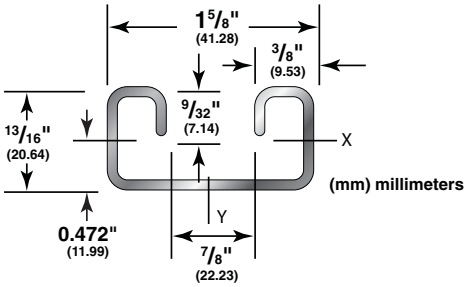
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 500
$^{13}/_{16}$" x $1^{5}/_{8}$"

14 Gauge Channel wt./100 ft. - 103#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	1.03	0.47	0.286	1.845	0.025	1.041	0.053	0.869	0.298	0.757	0.106	4.412	0.131	2.147	0.610	1.549
AS 500BTB	2.06	0.93	0.571	3.684	0.115	4.787	0.149	2.442	0.449	1.140	0.213	8.866	0.262	4.293	0.610	1.549

AS 500 BEAM AND COLUMN LOADS

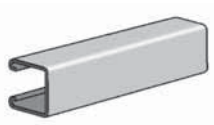
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ $^{1}/_{240}$		Uniform Load @ $^{1}/_{360}$	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 500	3,598	1,632	887	402	0.027	0.686	**	**	**	**
		AS 500 BTB	7,434	3,372	870 ***	395	0.016	0.406	**	**	**	**
18	457	AS 500	3,340	1,515	591	268	0.060	1.524	**	**	493	224
		AS 500 BTB	7,140	3,239	870 ***	395	0.037	0.940	**	**	**	**
24	610	AS 500	3,086	1,400	444	201	0.106	2.692	416	189	277	126
		AS 500 BTB	6,867	3,115	870 ***	395	0.066	1.676	**	**	**	**
30	762	AS 500	2,854	1,295	355	161	0.166	4.216	266	121	177	80
		AS 500 BTB	6,642	3,013	870 ***	395	0.102	2.591	**	**	806	366
36	914	AS 500	2,645	1,200	296	134	0.240	6.096	185	84	123	56
		AS 500 BTB	6,466	2,933	826	375	0.147	3.734	**	**	559	254
42	1,067	AS 500	2,449	1,111	254	115	0.327	8.306	136	62	91	41
		AS 500 BTB	6,331	2,872	708	321	0.201	5.105	617	280	411	186
48	1,219	AS 500	2,259	1,025	222	101	0.427	10.846	104	47	69	31
		AS 500 BTB	6,228	2,825	619	281	0.262	6.655	472	214	315	143
60	1,524	AS 500	*	*	177	80	0.667	16.942	66	30	44	20
		AS 500 BTB	5,648	2,562	496	225	0.410	10.414	302	137	201	91
72	1,829	AS 500	*	*	148	67	0.960	24.384	46	21	31	14
		AS 500 BTB	4,711	2,137	413	187	0.590	14.986	210	95	140	64
84	2,134	AS 500	*	*	127	58	1.037	26.340	34	15	23	10
		AS 500 BTB	3,623	1,643	354	161	0.803	20.396	154	70	103	47
96	2,438	AS 500	*	*	111	50	1.707	43.358	26	12	17	8
		AS 500 BTB	*	*	310	141	1.049	26.645	118	54	79	36
108	2,743	AS 500	*	*	99	45	2.160	54.864	21	10	14	6
		AS 500 BTB	*	*	275	125	1.328	33.731	93	42	62	28
120	3,048	AS 500	*	*	89	40	2.668	67.767	17	8	11	5
		AS 500 BTB	*	*	248	112	1.640	41.656	76	34	51	23
180	4,572	AS 500	*	*	59	27	6.003	152.476	7	3	5	2
		AS 500 BTB	*	*	165	75	3.689	93.701	34	15	23	10
240	6,096	AS 500	*	*	44	20	10.672	271.069	4	2	3	1
		AS 500 BTB	*	*	124	56	6.560	166.624	19	9	13	6

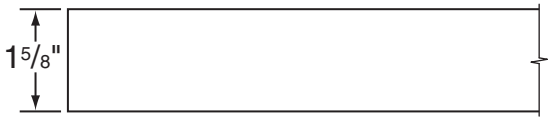
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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 For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

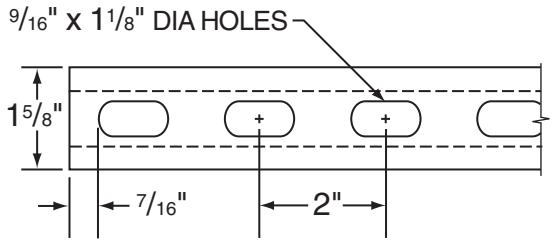
AS 500	PL, GR, PG
SOLID	





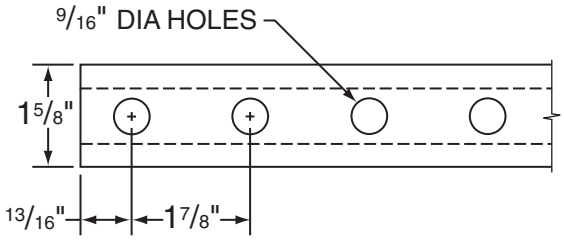
Wt/100 Ft: 97 lbs.

AS 500EH	PL, GR, PG
WITH ELONGATED HOLES	



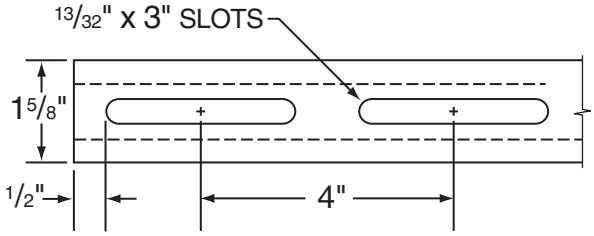
Wt/100 Ft: 87 lbs.

AS 500H	PL, GR, PG
WITH HOLES	



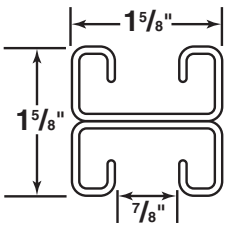
3/4" dia. holes available AS 500H MOD
Wt/100 Ft: 87 lbs.

AS 500S	PL, GR, PG
WITH LONG SLOTS	



Wt/100 Ft: 87 lbs.

AS 500BTB	PL, GR, PG
WELDED	



Wt/100 Ft: 194 lbs.

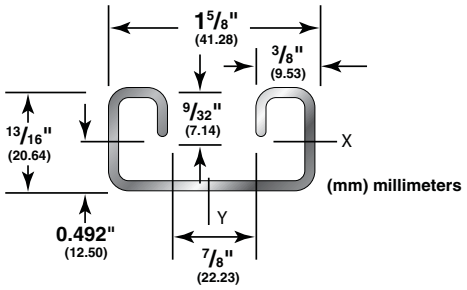
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 520
$^{13}/_{16}$" x $1^{5}/_{8}$"

12 Gauge Channel — wt./100 ft. - 135#

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 page 16 for welded combinations.



PROPERTIES OF SECTION

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

	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	1.374	0.623	0.374	2.413	0.030	1.249	0.062	1.016	0.283	0.719	0.135	5.619	0.166	2.720	0.600	1.524
AS 520BTB	2.700	1.225	0.748	4.826	0.140	5.827	0.184	3.015	0.432	1.097	0.270	11.238	0.332	5.441	0.600	1.524

AS 520 BEAM AND COLUMN LOADS

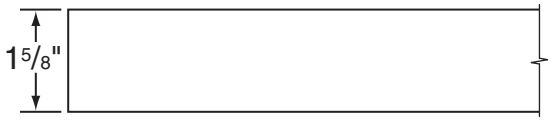
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ $^{1}/_{240}$		Uniform Load @ $^{1}/_{360}$	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 520	4,423	2,006	1,025	465	0.026	0.660	**	**	**	**
		AS 520 BTB	9,091	4,124	1,270 ***	576	0.017	0.432	**	**	**	**
18	457	AS 520	4,214	1,911	683	310	0.059	1.499	**	**	581	264
		AS 520 BTB	8,857	4,017	1,270 ***	576	0.038	0.965	**	**	**	**
24	610	AS 520	4,039	1,832	513	233	0.105	2.667	490	222	327	148
		AS 520 BTB	8,693	3,943	1,270 ***	576	0.067	1.702	**	**	**	**
30	762	AS 520	3,882	1,761	410	186	0.163	4.140	313	142	209	95
		AS 520 BTB	8,585	3,894	1,224	555	0.105	2.667	**	**	976	443
36	914	AS 520	3,727	1,691	342	155	0.235	5.969	218	99	145	66
		AS 520 BTB	8,513	3,861	1,020	463	0.150	3.810	1,017	461	678	308
42	1,067	AS 520	3,558	1,614	293	133	0.320	8.128	160	73	107	49
		AS 520 BTB	8,177	3,709	874	396	0.205	5.207	747	339	498	226
48	1,219	AS 520	3,369	1,528	256	116	0.419	10.643	122	55	81	37
		AS 520 BTB	7,774	3,526	765	347	0.267	6.782	572	259	381	173
60	1,524	AS 520	*	*	205	93	0.654	16.612	78	35	52	24
		AS 520 BTB	6,807	3,088	612	278	0.418	10.617	366	166	244	111
72	1,829	AS 520	*	*	171	78	0.941	23.901	54	24	36	16
		AS 520 BTB	5,625	2,551	510	231	0.602	15.291	254	115	169	77
84	2,134	AS 520	*	*	146	66	1.282	32.563	40	18	27	12
		AS 520 BTB	4,280	1,941	437	198	0.819	20.803	187	85	125	57
96	2,438	AS 520	*	*	128	58	1.674	42.520	31	14	21	10
		AS 520 BTB	*	*	382	173	1.070	27.178	143	65	95	43
108	2,743	AS 520	*	*	114	52	2.119	53.823	24	11	16	7
		AS 520 BTB	*	*	340	154	1.354	34.392	113	51	75	34
120	3,048	AS 520	*	*	103	47	2.616	66.446	20	9	13	6
		AS 520 BTB	*	*	306	139	1.672	42.469	91	41	61	28
180	4,572	AS 520	*	*	68	31	5.887	149.530	9	4	6	3
		AS 520 BTB	*	*	204	93	3.762	95.555	41	19	27	12
240	6,096	AS 520	*	*	51	23	10.465	265.811	5	2	3	1
		AS 520 BTB	*	*	153	69	6.689	169.901	23	10	15	7

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

LEGEND:

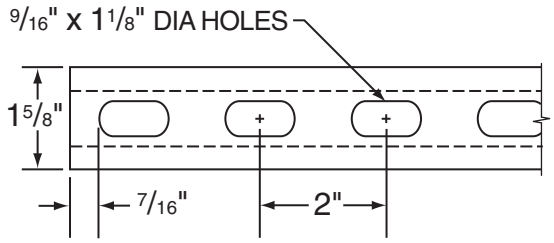
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 520	PL, GR, PG
SOLID	



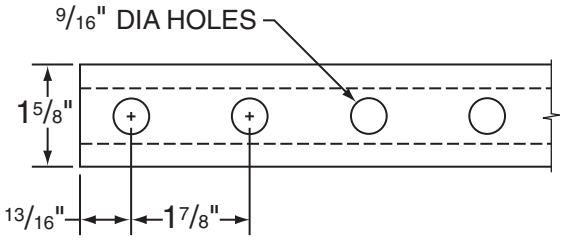
Wt/100 Ft: 128 lbs.

AS 520EH	PL, GR, PG
WITH ELONGATED HOLES	



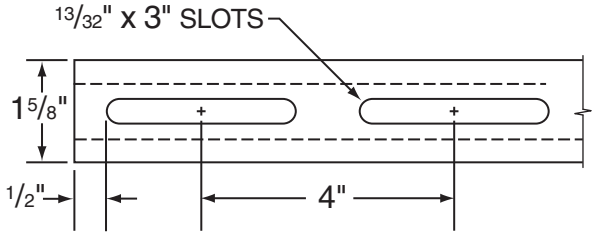
Wt/100 Ft: 123 lbs.

AS 520H	PL, GR, PG
WITH HOLES	



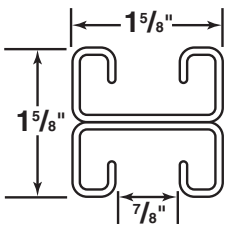
3/4" dia. holes available AS 520H MOD
Wt/100 Ft: 123 lbs.

AS 520S	PL, GR, PG
WITH LONG SLOTS	



Wt/100 Ft: 118 lbs.

AS 520BTB	PL, GR, PG
WELDED	



Wt/100 Ft: 256 lbs.

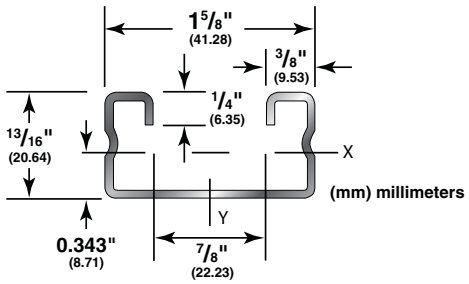
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 560

$^{13}/_{16}$" x $1^{5}/_{8}$"

16 Gauge Channel — wt./100 ft. - 135#

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.



PROPERTIES OF SECTION

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

	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 560	0.810	0.367	0.239	1.542	0.023	0.957	0.048	0.787	0.308	0.782	0.091	3.788	0.112	1.835	0.617	1.567

AS 560 BEAM AND COLUMN LOADS

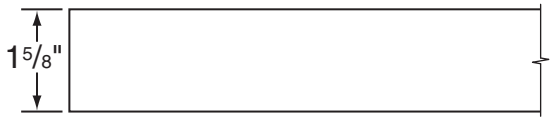
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ $^{l}/_{240}$		Uniform Load @ $^{l}/_{360}$	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 560	4,820	2,186	800	363	0.03	0.76	**	**	**	**
18	457	AS 560	4,320	1,960	540	245	0.06	1.52	**	**	450	204
24	610	AS 560	3,610	1,637	400	181	0.11	2.79	380	172	250	113
30	762	AS 560	2,700	1,225	320	145	0.17	4.32	240	109	160	53
36	914	AS 560	1,880	853	270	122	0.24	6.10	170	77	110	50
42	1,067	AS 560	1,380	626	230	104	0.33	8.38	120	54	80	36
48	1,219	AS 560	1,060	481	200	91	0.43	10.92	90	41	60	27
54	1,372	AS 560	830	376	180	82	0.54	13.72	70	32	50	23
60	1,524	AS 560	680	308	160	73	0.67	17.02	60	27	40	18
66	1,676	AS 560	*	*	150	68	0.81	20.57	50	23	30	14
72	1,829	AS 560	*	*	130	59	0.96	24.38	40	18	30	14
84	2,134	AS 560	*	*	110	50	1.31	33.27	30	14	20	9
96	2,438	AS 560	*	*	100	45	1.71	43.43	20	9	20	9
108	2,743	AS 560	*	*	90	41	2.16	54.86	20	9	10	5
120	3,048	AS 560	*	*	80	36	2.67	67.82	20	9	10	5

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

LEGEND:

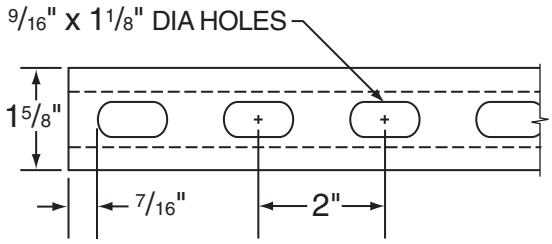
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium For Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**), refer to pages 76-81 in the Specialty Strut Section.

AS 560	PL, GR, PG
SOLID	



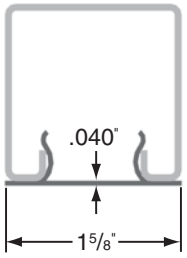
Wt/100 Ft: 81 lbs.

AS 560EH	PL, GR, PG
WITH ELONGATED HOLES	



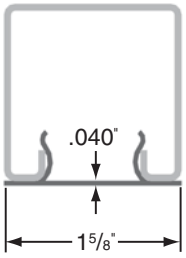
Wt/100 Ft: 81 lbs.

AS 707	GR, PG
METAL RACEWAY CLOSURE STRIP	



Wt/100 Ft: 47 lbs.

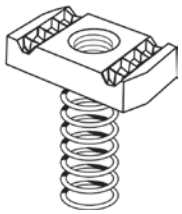
AS 707P	GR, Grey, White
METAL PAINTED CLOSURE STRIP	



Wt/100 Ft: 10 lbs.

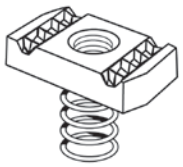
DATA: The selection table shows the correct locking nuts for each size channel.

Long Spring



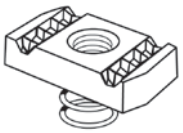
Cat. No.	Size	Thd.	Thk.	Wt/100 pcs	Channel
AS LS	1/4"	20	1/4"	7	AS 100, AS 150
AS LS	3/8"	16	3/8"	10	
AS LS	1/2"	13	3/8"	10	
AS LS	1/2"	13	1/2"	13	
AS LS	5/8"	11	7/16"	23	
AS LS	3/4"	10	7/16"	20	
AS LS	5/16"	18	3/8"	7	

Regular Spring



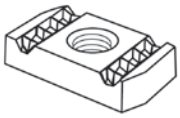
Cat. No.	Size	Thd.	Thk.	Wt/100 pcs	Channel
AS RS	1/4"	20	1/4"	7	AS 200, AS 210, AS 300
AS RS	3/8"	16	3/8"	10	
AS RS	1/2"	13	1/2"	13	
AS RS	5/8"	11	7/16"	23	
AS RS	3/4"	10	7/16"	20	
AS RS	7/8"	9	7/16"	17	

Short Spring



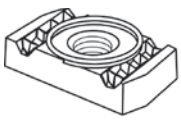
Cat. No.	Size	Thd.	Thk.	Wt/100 pcs	Channel
AS SS	1/4"	20	1/4"	7	AS 400, AS 500
AS SS	3/8"	16	3/8"	9	
AS SS	1/2"	13	3/8"	9	
AS SS	5/8"	11	3/8"	10	
AS SS	3/4"	10	3/8"	9	
AS SS	5/16"	18	3/8"	7	

Without Spring



Cat. No.	Size	Thd.	Thk.	Wt/100 pcs	Channel
AS NS	1/4"	20	1/4"	6	All Anvil-Strut™
AS NS	3/8"	16	3/8"	9	
AS NS	1/2"	13	1/2"	12	AS 100, AS 150, AS 200, AS 210, AS 300, AS 500
AS NS	5/8"	11	7/16"	20	
AS NS	3/4"	10	7/16"	18	
AS NS	7/8"	9	7/16"	16	
AS NS	5/8"	11	7/16"	20	All Anvil-Strut™
AS NS	3/4"	10	7/16"	18	
AS NS S	1/2"	13	3/16"	14	All Anvil-Strut™
AS NS S	5/8"	11	3/16"	14	
AS NS S	3/4"	10	3/16"	7	

Top Grip



Cat. No.	Size	Thd.	Thk.	Wt/100 pcs	Channel
AS TG	1/4"	20	1/4"	6	All Anvil-Strut™
AS TG	3/8"	16	3/8"	9	
AS TG	1/2"	13	3/8"	9	
AS TG	5/16"	18	3/8"	7	

1/2" DIA. BOLT & GRIP LOCK NUT LOAD DATA (LBS)	
Resistance to Slip	Pull Out Strength
12 Gauge - 1,400	12 Gauge - 2,000
14 Gauge - 1,100	14 Gauge - 1,140
15 Gauge - 1,100	15 Gauge - 1,100

SPECIFICATIONS

GENERAL

Anvil-Strut™ Grip Lock 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™ Grip Lock Nuts are manufactured from mild steel bars, and are case hardened to a depth of .003" to .005" after machining, conforming to ASTM A576 GR1015. Selected sizes also available in Stainless Steel.

FINISH

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

INSTALLATION

Notes

1. Safety Factor of 3.
2. 1/2"- 13 Bolt tightened to 50 Ft.-Lbs. torque.
3. Follow recommended bolt torque values (see technical data section chart)

ORDERING

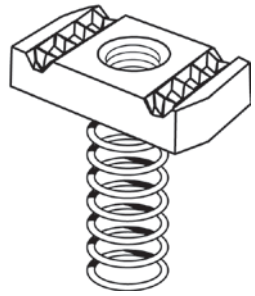
On the Anvil-Strut™ Grip Lock Nuts, consult the selection table which shows the correct locking nut for each size channel. On the Hardware please specify the diameter or size required, and length where applicable.

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to page 82 in the Specialty Strut Section.

AS LS **EG**

CLAMPING NUT WITH LONG SPRING

Use With AS 100 and AS 150 Channel.



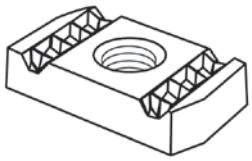
Size	Wt/100 pcs
1/4" x 20	7.5
3/8" x 16	10.2
1/2" x 13	12.3
5/8" x 11	15.8
3/4" x 10	14.1

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

AS NS **EG, SS, ZTC**

CLAMPING NUT WITHOUT SPRING

Use With All 1 5/8" Wide Channel.



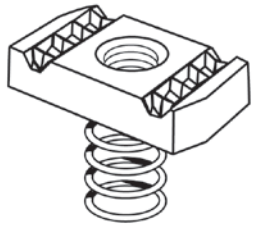
	Size	Wt/100 pcs
AS NS	1/4" x 20	6.6
	3/8" x 16	9.3
	1/2" x 13	11.4
	5/8" x 11	15.2
	3/4" x 10	13.0
	7/8" x 10	14.0
	7/8" x 10	14.0
AS NS S	1/4" x 20	7.0
	1/2" x 13	14.0
	5/8" x 11	14.0
	3/4" x 10	7.0

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

AS RS **EG, SS, ZTC**

CLAMPING NUT WITH REGULAR SPRING

Use With AS 200, AS 210 and AS 300 Channel.



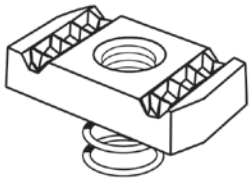
Size	Wt/100 pcs
1/4" x 20	7.1
3/8" x 16	9.9
1/2" x 13	11.9
5/8" x 11	15.5
3/4" x 10	13.8
7/8" x 9	14.3

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

AS SS **EG**

CLAMPING NUT WITH SHORT SPRING

Use With AS 400 and AS 500 Channel.



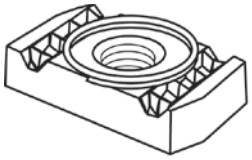
Size	Wt/100 pcs
#8 x 32	7.0
#10 x 24	7.0
#10 x 32	7.0
1/4" x 20	6.9
5/16" 18	6.7
3/8" x 16	9.6
1/2" x 13	8.8
5/8" x 11	11.5

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

AS TG **EG**

TOP GRIP NUT WITH SPRING ON TOP

Use With All 1 5/8" Channel.



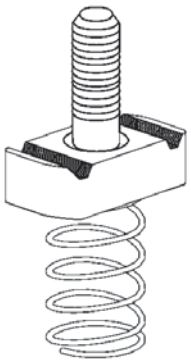
Size	Wt/100 pcs
1/4" x 20	7.0
3/8" x 16	10.0
1/2" x 13	8.0

5/16" x 18 size available as POA.

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

AS 517 **EG**

STUD NUT WITH RS SPRING



Size	Wt/100 pcs
1/4" x 1"	8.1
1/4" x 1 1/4"	8.3
1/4" x 1 1/2"	8.6
1/4" x 2"	9.1
3/8" x 1"	13.0
3/8" x 1 1/4"	14.0
3/8" x 1 1/2"	14.0
3/8" x 2"	15.0
1/2" x 1"	15.0
1/2" x 1 1/4"	16.0
1/2" x 1 1/2"	17.0
1/2" x 2"	19.0

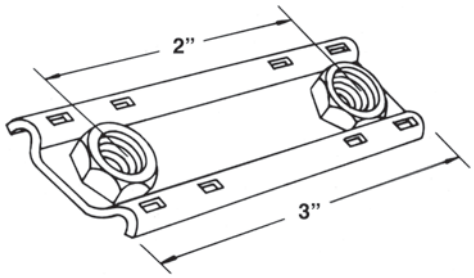
Std Pkg: 100 · Wt/100 pcs: See chart above.

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to page 82 in the Specialty Strut Section.

AS 3281 **EG**

DOUBLE CONVEYOR ADJUSTING NUT

Use For All 1⅝" Wide Anvil-Strut™ Channels.

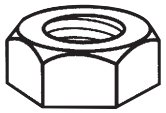


Size = ⅗"
Threads: 16

Wt/100 pcs: 17.5 lbs.

AS 83 **EG**

HEXAGON NUT



Size	Std Pkg	Wt/100 pcs
¼"	500	0.7
⅜"	500	1.6
½"	100	3.8
⅝	50	7.3
¾"	50	11.9

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

Fig. 135

ROD COUPLING

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

Fig. 146

CONTINUOUS THREADED ROD

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

AS 203 **EG**

LINKED EYELET WITH STUD

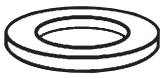
Size	Std Pkg	Wt/100 pcs
⅜"	100	27.0
½"	50	45.0

Max. Load: 610 lbs.

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

AS 209 **EG**

FLAT WASHER



Size	Std Pkg	Wt/100 pcs
¼"	200	0.7
⅜"	100	1.5
½"	100	3.9
⅝	100	7.7
¾"	100	11.0

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to page 82 in the Specialty Strut Section.

AS 211 EG

LOCK WASHER

Size	Std Pkg	Wt/100 pcs
1/4"	100	0.3
3/8"	100	0.7
1/2"	100	1.5

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

AS 230 EG

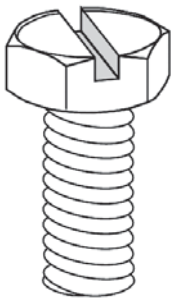
FENDER WASHER

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.

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 6108 EG

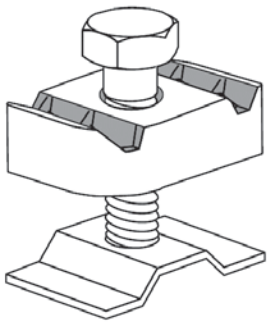
SQUARE NUT

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 3500 EG, ZTC

SEISMIC ROD STIFFENER

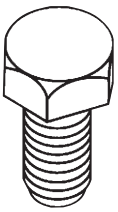


Size = 3/8" -5/8"

Std Pkg: 25 · Wt/100 pcs: 16.0 lbs.

AS 6024 EG

HEX HEAD CAP SCREW



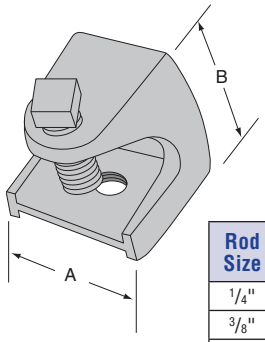
Size	Std Pkg	Wt/100 pcs
1/4" x 3/4"	100	1.5
1/4" x 1"	100	1.8
1/4" x 1 1/4"	100	2.1
1/4" x 1 1/2"	100	2.4
3/8" x 3/4"	100	3.6
3/8" x 1"	100	4.2
3/8" x 1 1/4"	100	4.9
3/8" x 1 1/2"	100	5.6
3/8" x 2"	100	7.2
1/2" x 3/4"	100	8.1
1/2" x 1"	100	9.2
1/2" x 1 1/4"	100	10.4
1/2" x 1 1/2"	100	11.6
1/2" x 1 3/4"	100	13.0
1/2" x 2"	100	14.4

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 85 **EG**

ROD OR INSULATOR SUPPORT



Rod Size	A	B	Load Rating	Std Pkg	Wt/ 100 pcs
1/4"	1 1/8"	1 1/4"	150	50	23
3/8"	2"	2"	350	25	95
1/2"	2 5/8"	2 1/2"	400	25	195

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

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

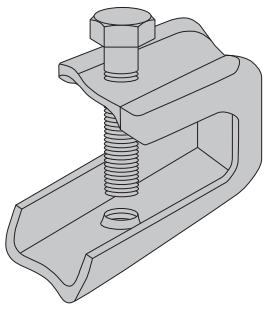
CLAMP WITH LOCK NUT

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

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

AS 135X **EG**

BEAM CLAMP LIGHT DUTY



Size = 1/4"
Load Rating: 75 lbs.

Std Pkg: 50 · Wt/100 pcs: 14.0 lbs.

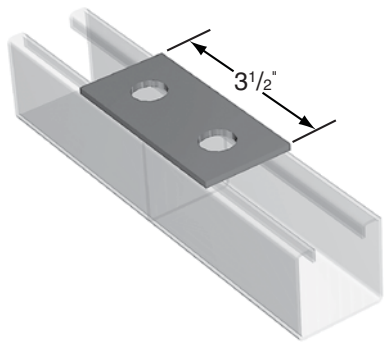
LEGEND:

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

For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 601 GR, EG, ZTC

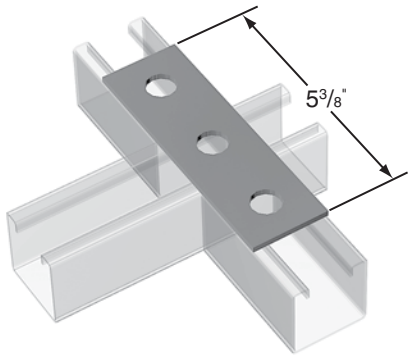
TWO HOLE SPLICE PLATE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 602 GR, EG, ZTC

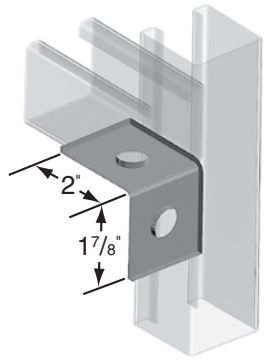
THREE HOLE SPLICE PLATE



Std Pkg: 25 · Wt/100 pcs: 50 lbs.

AS 603 GR, EG, ZTC

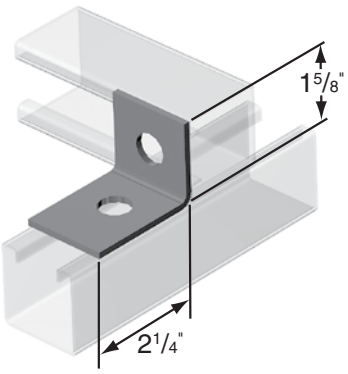
TWO HOLE END ANGLE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 604 GR, EG, ZTC

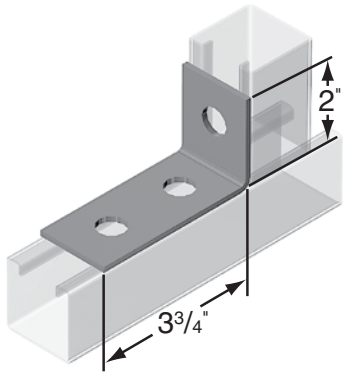
TWO HOLE CORNER ANGLE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 605 GR, EG, ZTC

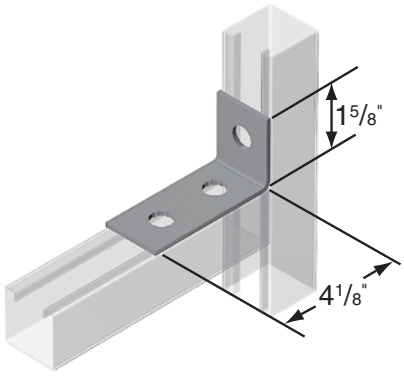
THREE HOLE CORNER ANGLE



Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 606 GR, EG, ZTC

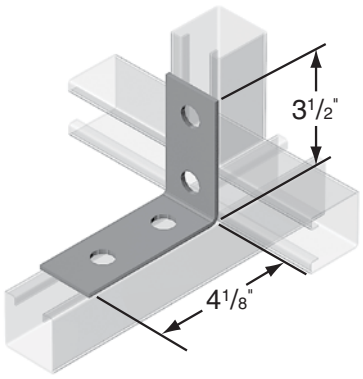
THREE HOLE CORNER ANGLE



Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 607 GR, EG, ZTC

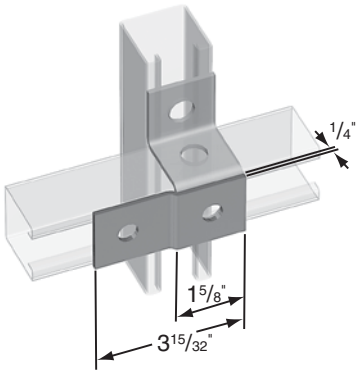
FOUR HOLE CORNER ANGLE



Std Pkg: 25 · Wt/100 pcs: 78 lbs.

AS 609 GR, EG

TWO HOLE OFFSET "Z" SUPPORT

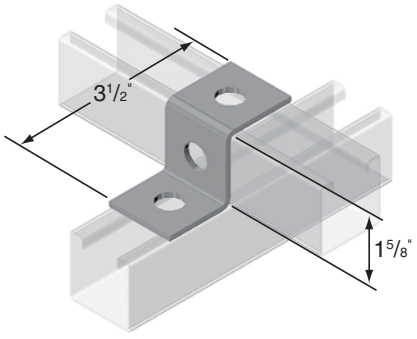


Std Pkg: 25 · Wt/100 pcs: 38 lbs.

AS 611 GR, EG, ZTC

"Z" SUPPORT

Use With AS 200, AS 210, and AS 500BTB.



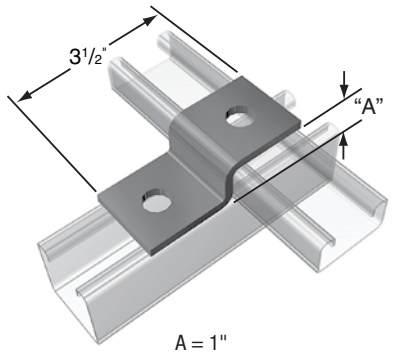
Std Pkg: 50 · Wt/100 pcs: 55 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 612 GR, EG

"Z" SUPPORT

Use With AS 400.



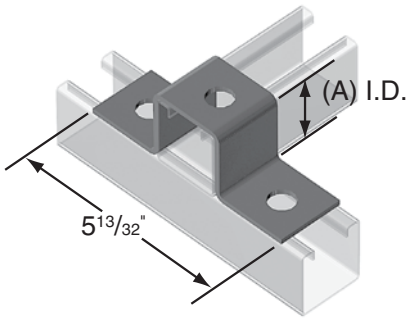
A = 1"

Std Pkg: 50 · Wt/100 pcs: 47 lbs.

AS 613 GR, EG, ZTC

"U" SUPPORT

Use With AS 200, AS 210, and AS 500BTB.

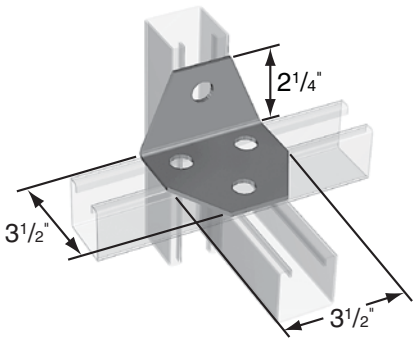


A = 1 5/8"

Std Pkg: 25 · Wt/100 pcs: 88 lbs.

AS 614 GR, EG

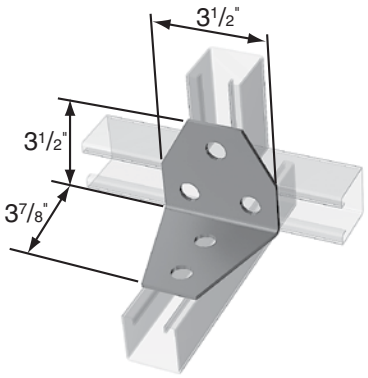
FOUR HOLE JOINT ANGLE CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 103 lbs.

AS 615 GR, EG

FIVE HOLE SHELF JOINT ANGLE CONNECTOR

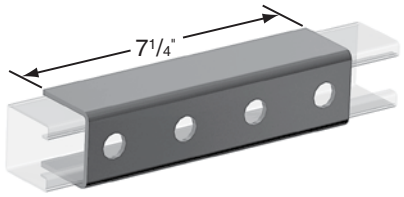


Std Pkg: 10 · Wt/100 pcs: 135 lbs.

AS 616 GR, EG, ZTC

FOUR HOLE SPLICE CLEVIS

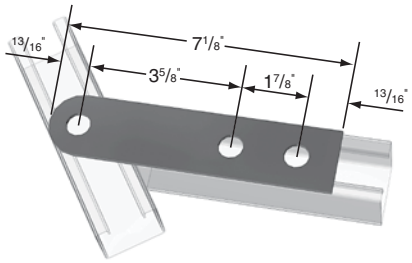
Use With AS 200 and AS 210.



Std Pkg: 10 · Wt/100 pcs: 265 lbs.

AS 617 GR, EG

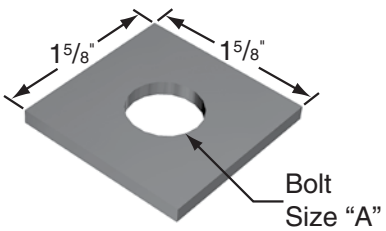
THREE HOLE SWIVEL PLATE



Std Pkg: 25 · Wt/100 pcs: 75 lbs.

AS 619 GR, EG, SS, ZTC

SQUARE WASHER

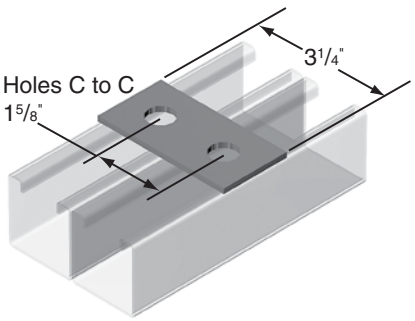


A	Wt/100 pcs
1/4"	18
3/8"	18
1/2	17
5/8	16
3/4	15
7/8	–

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

AS 620 GR, EG

TWO HOLE CONNECTING PLATE

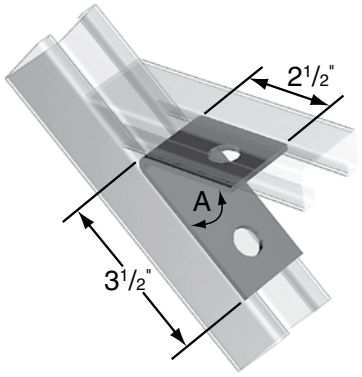


Std Pkg: 50 · Wt/100 pcs: 35 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 624 GR, EG, ZTC

TWO HOLE CLOSED ANGLE CONNECTOR



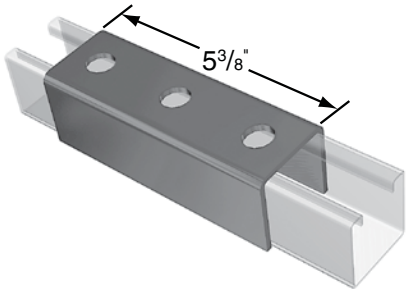
Angle A	Wt/100 pcs
37 1/2°	58
45°	58
52 1/2°	58
60°	58
67 1/2°	58
75°	58
82 1/2°	58

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

AS 629 GR, EG

THREE HOLE SPLICE CLEVIS

Use With AS 200, AS 210.

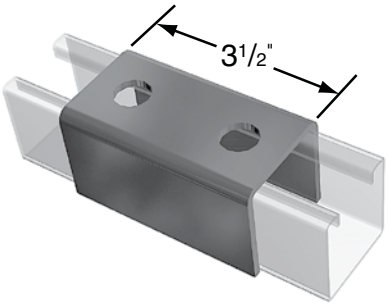


Std Pkg: 20 · Wt/100 pcs: 197 lbs.

AS 631 GR, EG

TWO HOLE SPLICE CLEVIS

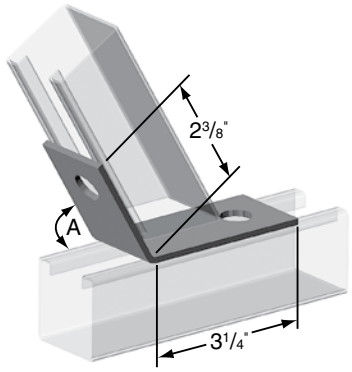
Use With AS 200, AS 210.



Std Pkg: 25 · Wt/100 pcs: 128 lbs.

AS 633 GR, EG, ZTC

TWO HOLE OPEN ANGLE CONNECTOR



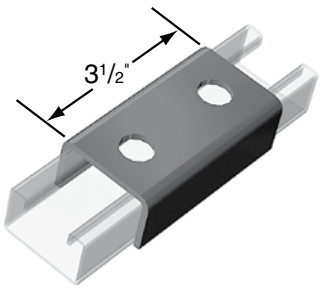
Angle A	Wt/100 pcs
82 1/2°	58
75°	58
67 1/2°	58
60°	58
52 1/2°	58
45°	58
37 1/2°	58
30°	58
22 1/2°	58
15°	58
7 1/2°	58

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

AS 644 GR, EG

TWO HOLE SPLICE CLEVIS

Use With AS 500, AS 520.

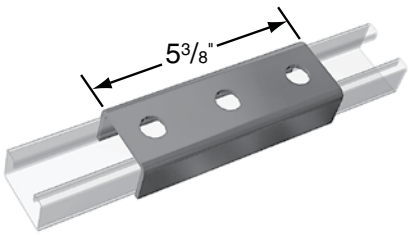


Std Pkg: 20 · Wt/100 pcs: 85 lbs.

AS 645 GR, EG

THREE HOLE SPLICE CLEVIS

Use With AS 500, AS 520.

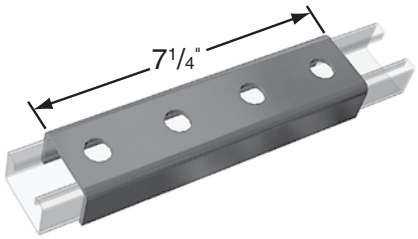


Std Pkg: 10 · Wt/100 pcs: 130 lbs.

AS 646 GR, EG

FOUR HOLE SPLICE CLEVIS

Use With AS 500, AS 520.

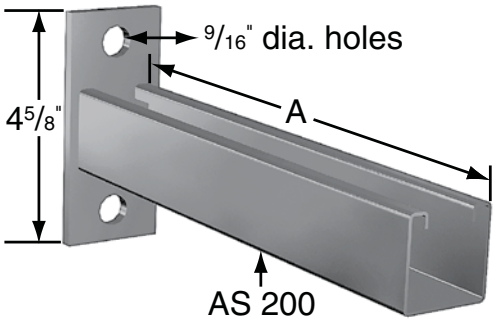


Std Pkg: 10 · Wt/100 pcs: 176 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 651 GR, EG, ZTC

REVERSIBLE STRUT BRACKET



A	Uniform Load* (Lbs)	Conc. Load at End* (Lbs)	Wt/100 pcs
6"	1200	425	185
12"	600	235	293
18"	400	165	401
24"	300	125	509

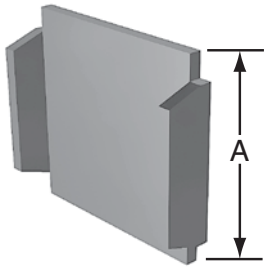
* Mounted on 12 Ga. Channel

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

AS 655, AS 656 PG

TYPE "A" END CAP

Use With AS 200 Channel.
Use With AS 300 Channel and AS 349 Insert.

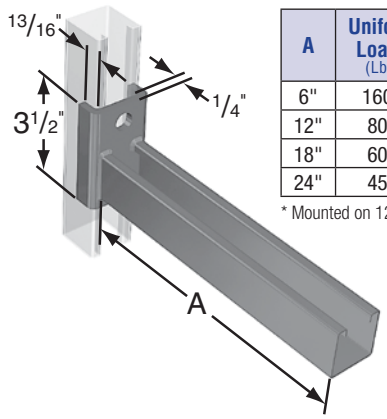


AS 655: A = 1 5/8"
AS 656: A = 1 3/8"

Std Pkg: 100 · Wt/100 pcs: (655, 656) 11, 15 lbs.

AS 661 T1 GR

STRUT BRACKET (SLOT UP)



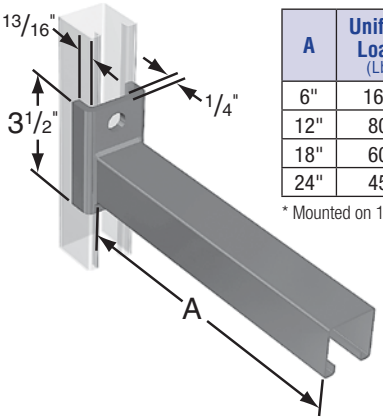
A	Uniform Load* (Lbs)	Conc. Load at End* (Lbs)	Wt/100 pcs
6"	1600	565	191
12"	800	310	292
18"	600	245	436
24"	450	185	536

* Mounted on 12 Ga. Channel

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

AS 661 T2 GR

STRUT BRACKET (SLOT DOWN)



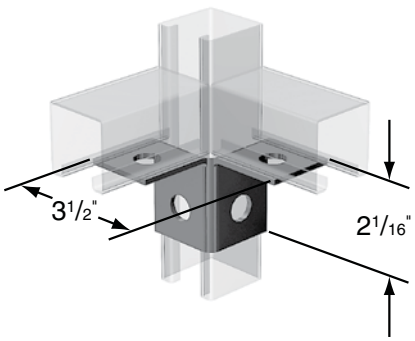
A	Uniform Load* (Lbs)	Conc. Load at End* (Lbs)	Wt/100 pcs
6"	1600	565	191
12"	800	310	292
18"	600	245	436
24"	450	185	536

* Mounted on 12 Ga. Channel

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

AS 665 GR, EG, ZTC

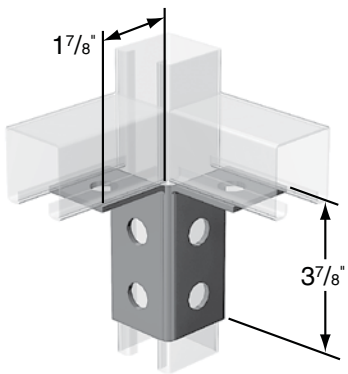
FOUR HOLE DOUBLE CORNER CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 76 lbs.

AS 666 GR, EG, ZTC

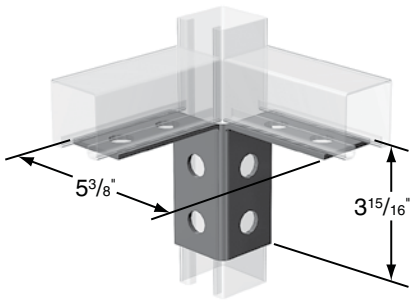
SIX HOLE DOUBLE CORNER CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 115 lbs.

AS 667 GR, EG, ZTC

EIGHT HOLE DOUBLE CORNER CONNECTOR

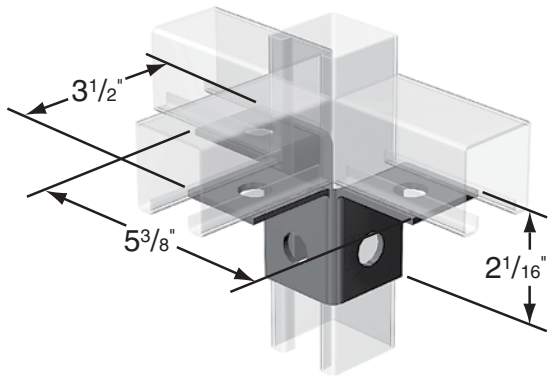


Std Pkg: 10 · Wt/100 pcs: 155 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 668 GR, EG, ZTC

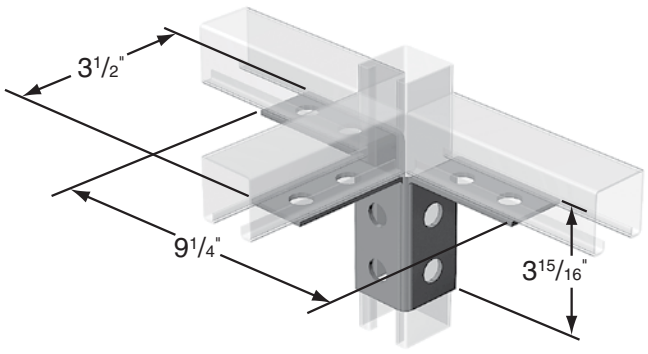
SIX HOLE THREE ANGLE CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 113 lbs.

AS 669 GR, EG, ZTC

TWELVE HOLE THREE ANGLE CLEVIS CONNECTOR

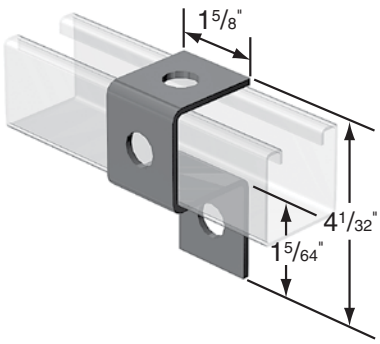


Std Pkg: 10 · Wt/100 pcs: 230 lbs.

AS 677 GR, EG

CUP SUPPORT FOR STANDARD SINGLE STRUT

Use With AS 200 and AS 210.

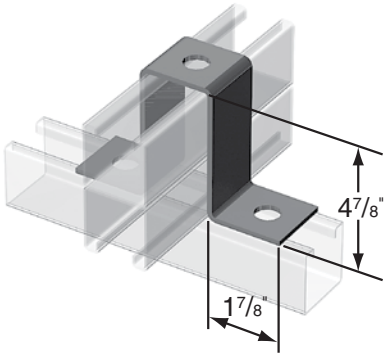


Std Pkg: 25 · Wt/100 pcs: 76 lbs.

AS 678 GR, EG

THREE HOLE "U" SUPPORT

Use With AS 150 BTB.

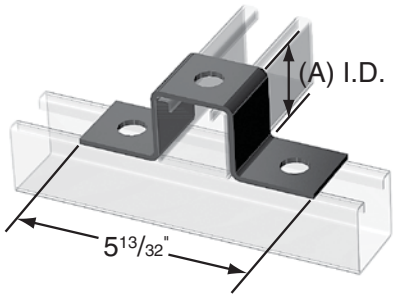


Std Pkg: 10 · Wt/100 pcs: 197 lbs.

AS 679 GR, EG, ZTC

"U" SUPPORT

Use For AS 100, AS 200BTB, AS 210BTB.



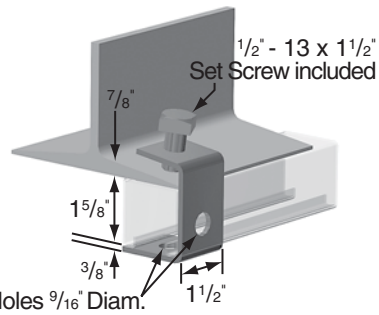
A = 3 1/4"

Std Pkg: 25 · Wt/100 pcs: 128 lbs.

AS 684 GR, EG

BEAM CLAMP

Includes Cup Point Set Screw.



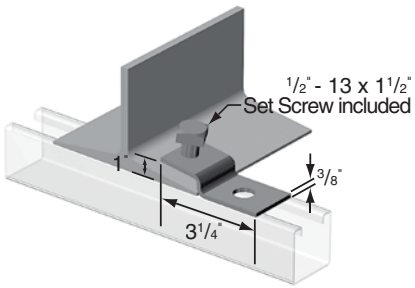
Load Rating: 500 lbs.

Std Pkg: 25 · Wt/100 pcs: 94 lbs.

AS 685 GR, EG

BEAM CLAMP

Includes Cup Point Set Screw.



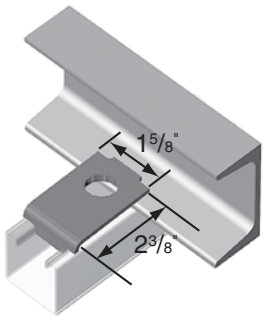
Load Rating: 450 lbs.

Std Pkg: 20 · Wt/100 pcs: 63 lbs.

AS 686 GR, EG

BEAM CLAMP

Order AS 6024 1/2" x 1 1/2" Separately.



*Load Rating: 600 lbs.

Std Pkg: 50 · Wt/100 pcs: 26 lbs.

* When used with 12 Ga. Channel. 14 Ga. Channel is 500 lbs.

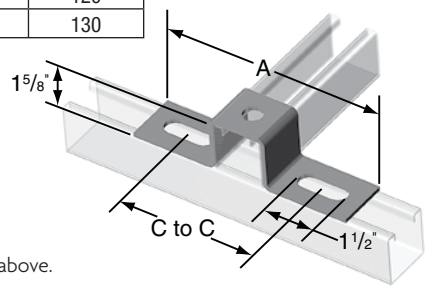
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 687 GR, EG, ZTC

SLOTTED "U" SUPPORT

Use With AS 200 and AS 210.

	A	C to C	Wt/100 pcs
A	7 1/4"	4 1/8"	105
B	8 1/2"	5 3/8"	120
C	10 3/8"	7 1/4"	130

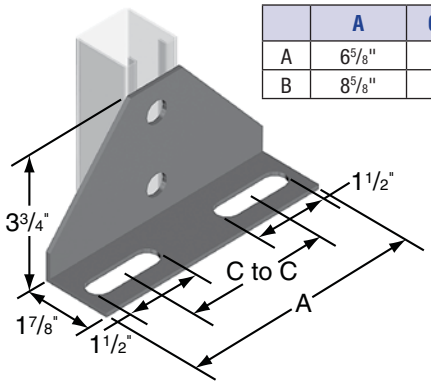


Std Pkg: 10
Wt/100 pcs: See chart above.

AS 689 GR, EG, ZTC

ADJUSTABLE DOUBLE SLOTTED CORNER CONNECTOR

	A	C to C	Wt/100 pcs
A	6 5/8"	4"	190
B	8 5/8"	6"	242

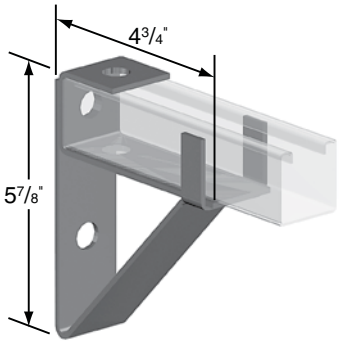


Std Pkg: 10 · Wt/100 pcs: See chart above.

AS 708 GR, EG

SINGLE CHANNEL BRACKET SUPPORT

Use With AS 200, AS 210 and AS 500BTB.

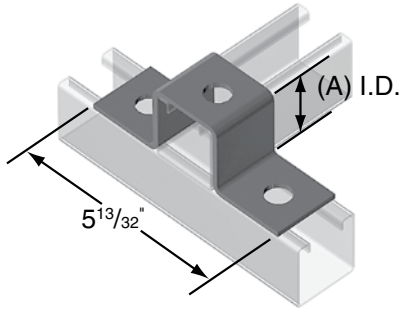


Std Pkg: 20 · Wt/100 pcs: 235 lbs.

AS 710 GR, EG

"U" SUPPORT

Use With AS 300.



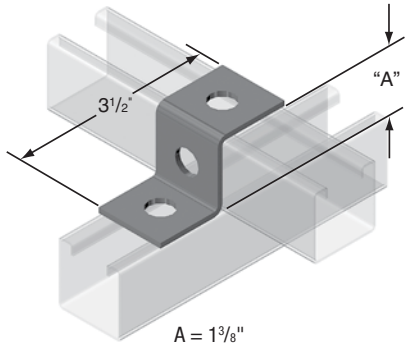
A = 1 3/8"

Std Pkg: 25 · Wt/84 pcs: 38 lbs.

AS 711 GR, EG

"Z" SUPPORT

Use With AS 300.

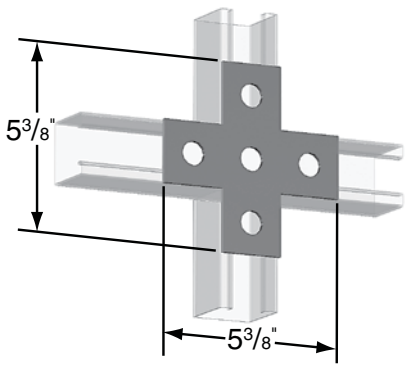


A = 1 3/8"

Std Pkg: 25 · Wt/100 pcs: 53 lbs.

AS 712 GR, EG, ZTC

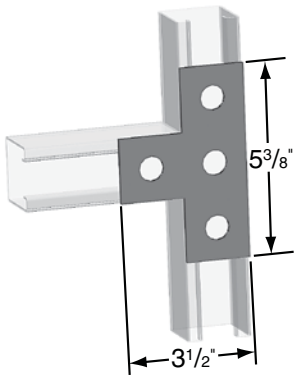
CROSS PLATE



Std Pkg: 10 · Wt/100 pcs: 105 lbs.

AS 714 GR, EG, ZTC

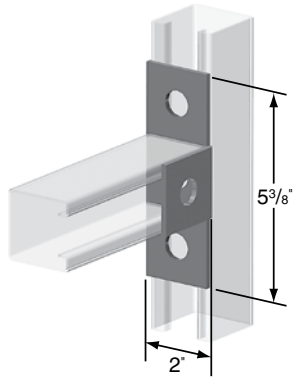
"T" PLATE



Std Pkg: 25 · Wt/100 pcs: 80 lbs.

AS 715 GR, EG

"T" PLATE 90° ANGLE

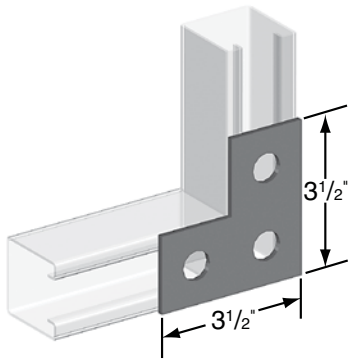


Std Pkg: 20 · Wt/100 pcs: 71 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 718 GR, EG, ZTC

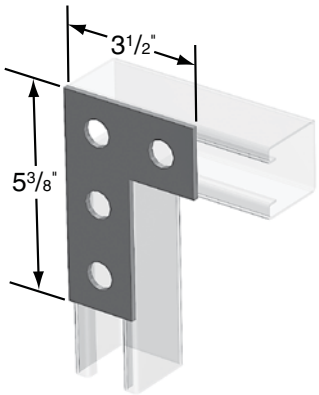
FLAT ANGLE PLATE



Std Pkg: 50 · Wt/100 pcs: 58 lbs.

AS 719 GR, EG

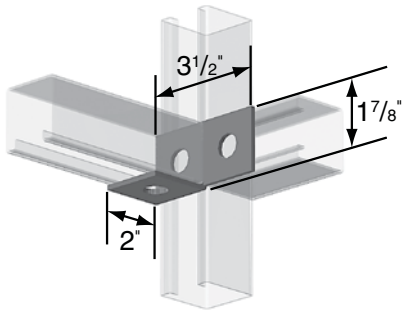
FOUR HOLE CORNER PLATE



Std Pkg: 20 · Wt/100 pcs: 80 lbs.

AS 720 GR, EG, ZTC

RH & LH ANGLE PATE CONNECTOR



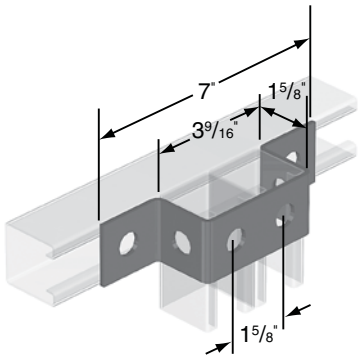
When ordering, specify RH or LH.

Std Pkg: 25 · Wt/100 pcs: 55 lbs.

AS 721 GR, EG

"U" SUPPORT

Use With AS 100, AS 200BTB, and AS 210BTB.



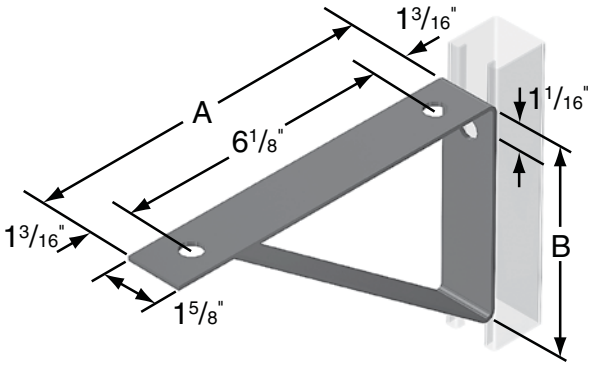
Std Pkg: 25 · Wt/100 pcs: 105 lbs.

AS 732 GR

SHELF BRACKET

A	B	Load*	Wt/100 pcs
8"	6"	800	168
10"	6"	800	202
12"	6"	900	258
14"	6"	900	292
16"	6"	1200	381
18"	6"	1200	416
20"	6"	1000	461

*Mounted On 12 Ga. Channel.

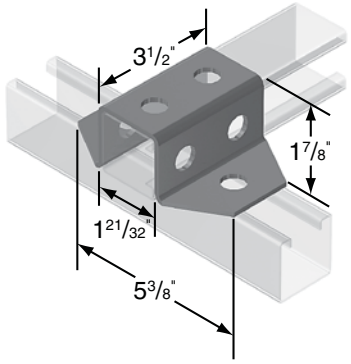


Std Pkg: Bulk · Wt/100 pcs: See chart above.

AS 733 GR, EG

SIX HOLE "U" SUPPORT

Use With AS 200 and AS 210.

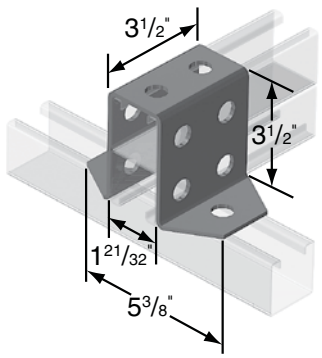


Std Pkg: 10 · Wt/100 pcs: 171 lbs.

AS 735 GR, EG

EIGHT HOLE "U" SUPPORT

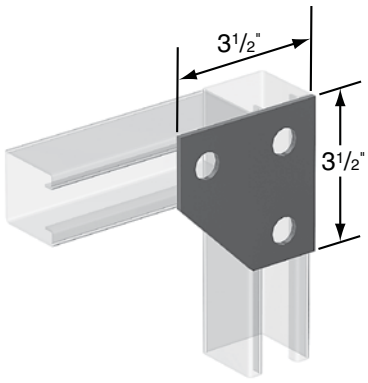
Use With AS 200BTB.



Std Pkg: 10 · Wt/100 pcs: 257 lbs.

AS 744 GR, EG

FLAT CORNER CONNECTOR

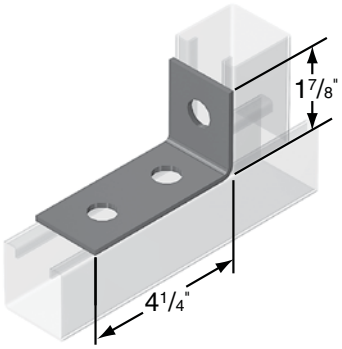


Std Pkg: 25 · Wt/100 pcs: 70 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 745 GR, EG

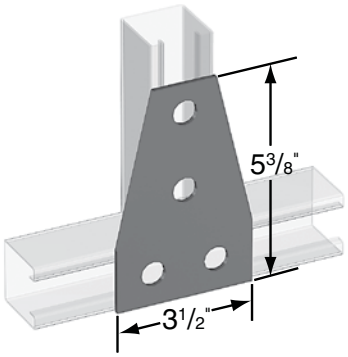
THREE HOLE CORNER ANGLE



Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 747 GR, EG

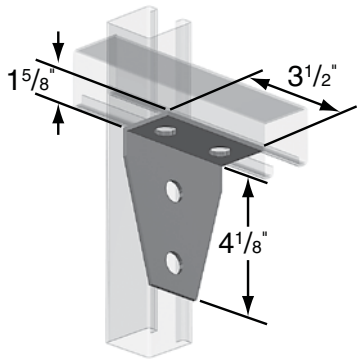
SYMMETRICAL FOUR HOLE CONNECTOR



Std Pkg: 20 · Wt/100 pcs: 105 lbs.

AS 748 GR, EG

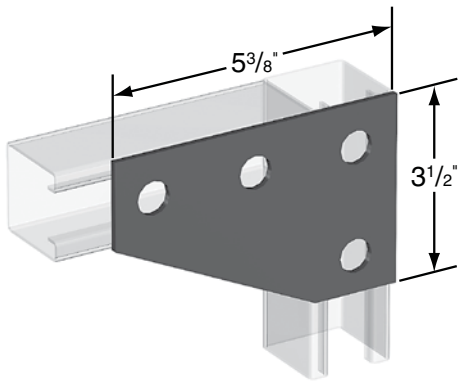
FOUR HOLE CORNER JOINT CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 105 lbs.

AS 750 GR, EG

FOUR HOLE CORNER CONNECTOR

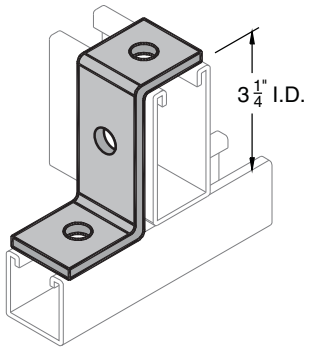


Std Pkg: 20 · Wt/100 pcs: 105 lbs.

AS 756 EG

"Z" SUPPORT

Use With AS 100, AS 200BTB and AS 210BTB.

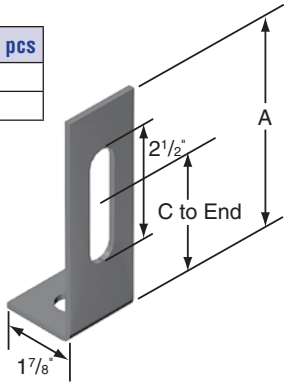


Std Pkg: 25 · Wt/100 pcs: 70 lbs.

AS 763, AS 764 GR, EG

SLOTTED ADJUSTMENT CORNER ANGLE

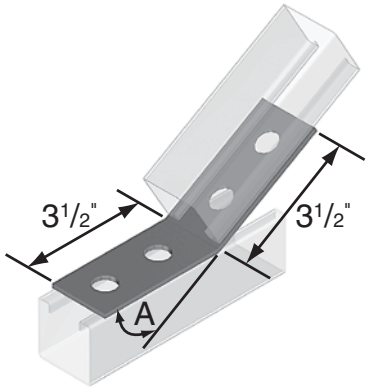
	A	C to End	Wt/100 pcs
AS 763	4 7/8"	2 1/2"	65
AS 764	6 7/8"	4 1/2"	65



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

AS 781 GR, EG

FOUR HOLE OPEN ANGLE CONNECTOR



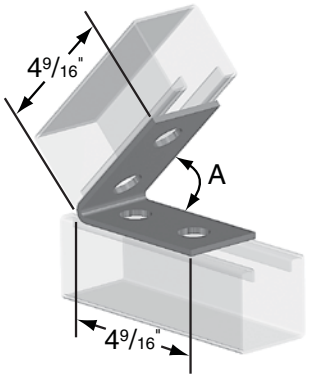
Angle A	Wt/100 pcs
7 1/2°	78
15°	78
22 1/2°	78
30°	78
37 1/2°	78
45°	78
52 1/2°	78
60°	78
67 1/2°	78
75°	78
82 1/2°	78

Std Pkg: 25 · 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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 793 GR, EG

FOUR HOLE CLOSED ANGLE CONNECTOR

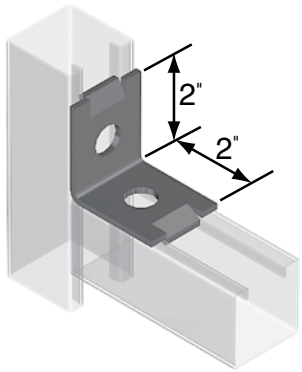


Angle A	Wt/100 pcs
37 1/2°	100
45°	100
52 1/2°	100
60°	100
67 1/2°	100
75°	100
82 1/2°	100

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

AS 806 GR, EG

TWO HOLE ANGLE WITH IMPRESSIONS ON BOTH LEGS



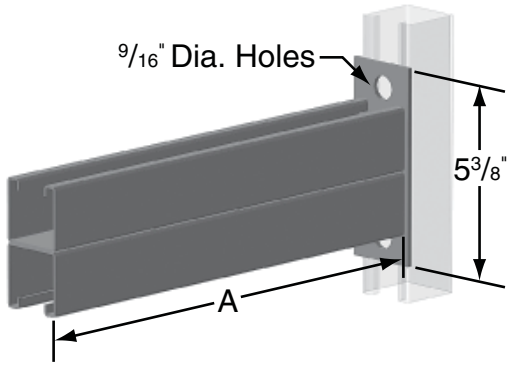
Std Pkg: 50 · Wt/100 pcs: 40 lbs.

AS 809 GR, EG, ZTC

DOUBLE CHANNEL BRACKET

A	Uniform Load* (Lbs)	Conc. Load at End (Lbs)	Wt/100 pcs
12"	2000	310	502
18"	1300	250	692
24"	1000	185	882
30"	800	150	1072
36"	650	125	1262

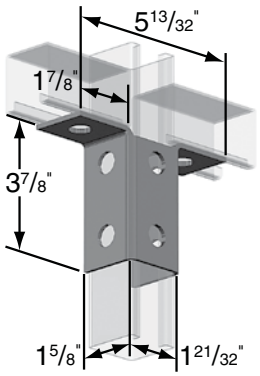
* Mounted on 12 Ga. Channel



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

AS 821 GR, EG, ZTC

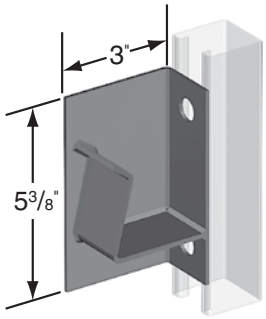
EIGHT HOLE DOUBLE ANGLE CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 150 lbs.

AS 825 GR, EG

RH/LH PIPE AXLE SUPPORT

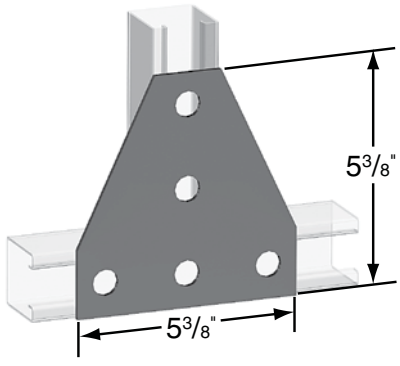


Load Rating: 2500 lbs.
Specify RH or LH (1 1/2" Max. Pipe).

Std Pkg: 10 · Wt/100 pcs: 220 lbs.

AS 854 GR, EG

FLAT CONNECTOR

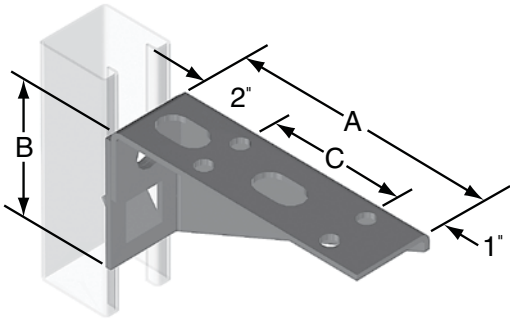


Std Pkg: 25 · Wt/100 pcs: 148 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 838 GR, EG

RH/LH 6" THRU 30" SHELF BRACKET



A	B	C	Std Pkg	Wt/100 pcs
6"	2 15/16"	3"	25	58
8"	2 15/16"	5"	25	83
10"	2 15/16"	7"	25	114
12"	3 7/16"	3"	25	149
14"	3 15/16"	4"	25	174
16"	4 7/16"	5"	20	225
18"	4 15/16"	6"	20	255
20"	5 7/16"	7"	20	295
22"	5 15/16"	8"	Bulk	361
24"	6 7/16"	5"	Bulk	396
26"	6 15/16"	5 11/16"	Bulk	456
28"	7 7/16"	6 5/16"	Bulk	479
30"	7 15/16"	7"	Bulk	544

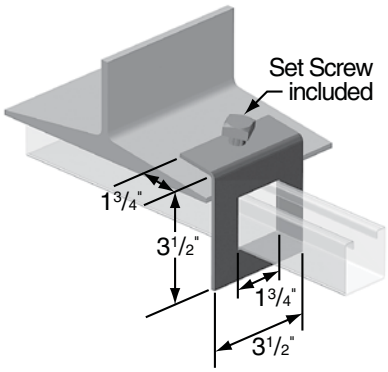
Uniform Load Rating 275 lbs. When Mounted on 12 Ga. Channel.

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

AS 855 GR, EG

ANGULAR "I" BEAM CLAMP

AS 855 1 – Use with AS 200, AS 210.
AS 855 2 – Use with AS 500.



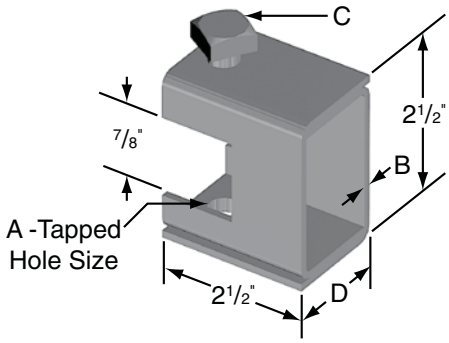
Load Rating: 500 lbs.

Std Pkg: 25 · Wt/100 pcs: (1, 2) 107, 98 lbs.

AS 858 EG

HEAVY DUTY SUSPENSION ROD BEAM CLAMPS

Includes Set Screw. (Safety Anchor Strap AS 871
To Be Ordered Separately According To Length Required.)



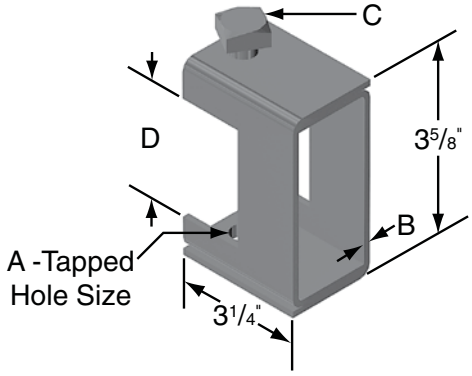
A	Wt/100 pcs	B	C	D	Load Rating
1/4" x 20	67	1/8"	3/8" x 1 1/2"	7/8"	650
5/16" x 18	67	1/8"	3/8" x 1 1/2"	7/8"	650
3/8" x 16	100	3/16"	1/2" x 1 1/2"	15/16"	1100
1/2" x 13	130	1/4"	1/2" x 1 1/2"	15/16"	1600
5/8" x 11	160	5/16"	5/8" x 1 1/2"	1 15/16"	2400
3/4" x 10	160	5/16"	5/8" x 1 1/2"	1 15/16"	2400

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

AS 865 EG

WIDE THROAT HEAVY DUTY BEAM CLAMP

Includes Set Screw. (Safety Anchor Strap AS 871
To Be Ordered Separately According To Length Required.)



A	Wt/100 pcs	B	C	D	Load Rating
1/4" x 20	151	3/16"	1/2" x 2	1 11/16"	800
3/8" x 16	195	1/4"	1/2" x 2	1 11/16"	1300
1/2" x 13	225	5/16"	5/8" x 2	1 11/16"	1900

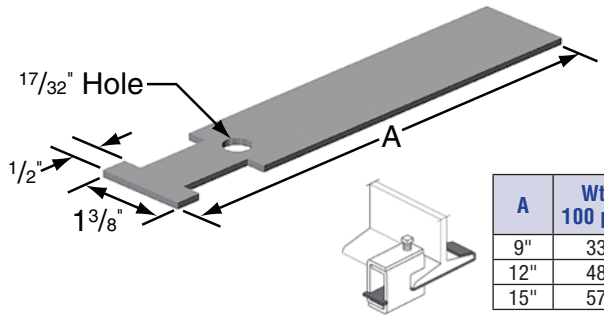
Std Pkg: 10 · Wt/100 pcs: See chart above.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

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).

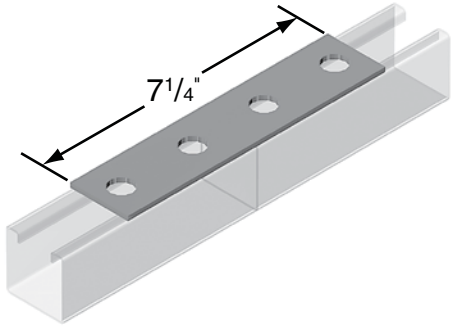


A	Wt/ 100 pcs
9"	33
12"	48
15"	57

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

AS 888 GR, EG, ZTC

FOUR HOLE SPLICE PLATE



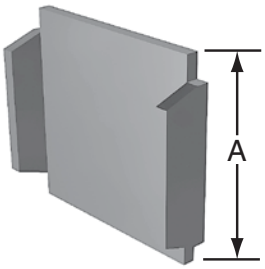
Std Pkg: 25 · Wt/100 pcs: 78 lbs.

AS 901, AS 902 PG

TYPE "A" END CAP

Use With AS 100, AS 400 Channel.

	A	Wt/ 100 pcs
AS 901	1"	11
AS 902	3 1/4"	22

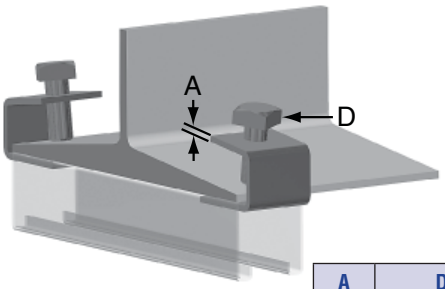


Std Pkg: Bulk · Wt/100 pcs: See chart above.

AS 907 GR, EG

"I" BEAM CLAMP

Includes Cup Point Set Screw.

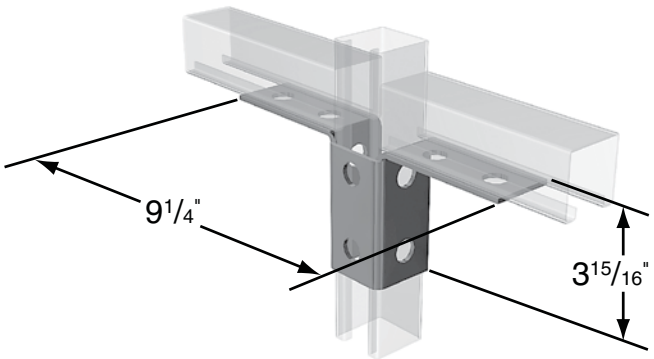


A	D	Load Rating
1/4"	3/8 x 16 x 1 1/2	500

Std Pkg: 50 · Wt/100 pcs: 26 lbs.

AS 913 GR, EG, ZTC

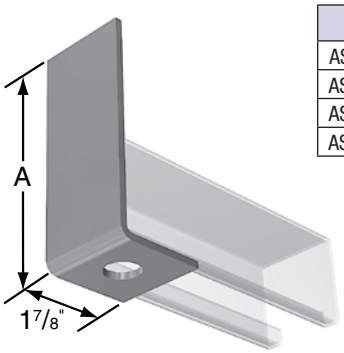
TEN HOLE TWO ANGLE CLEVIS CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 193 lbs.

AS 921 GR, EG

ONE HOLE ANGLE

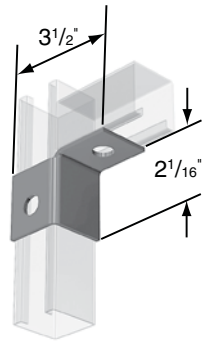


	A	Wt/100 pcs
AS 921 A	3 7/8"	61
AS 921 B	5 7/8"	84
AS 921 C	7 7/8"	107
AS 921 D	9 7/8"	130

Std Pkg: 25 · 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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

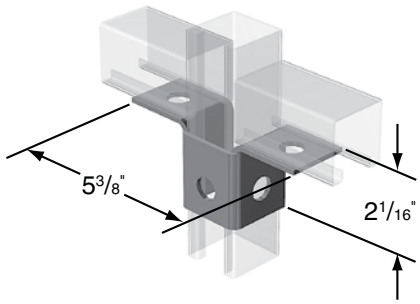
AS 922 GR, EG, ZTC
RH & LH TWO HOLE SINGLE CORNER ANGLE CONNECTOR



When ordering, specify RH or LH.

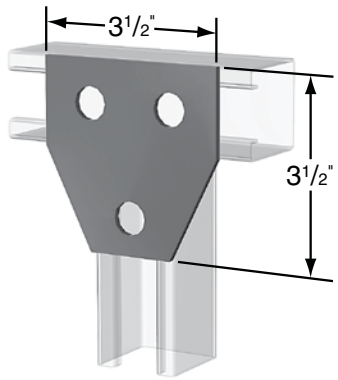
Std Pkg: 20 · Wt/100 pcs: 60 lbs.

AS 923 GR, EG, ZTC
FIVE HOLE TWO ANGLE CONNECTOR



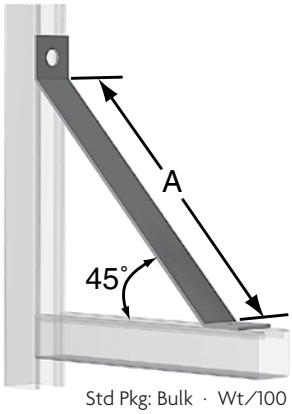
Std Pkg: 25 · Wt/100 pcs: 93 lbs.

AS 925 GR, EG
SYMMETRICAL THREE HOLE JOINT CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 70 lbs.

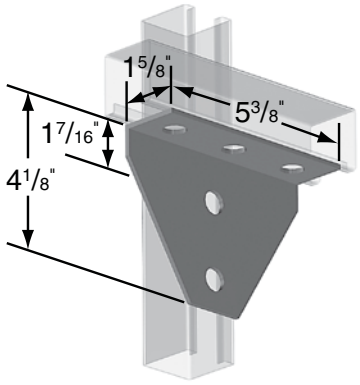
AS 926 GR, EG
STRUT BRACE



A	Wt/100 pcs
12"	160
16 5/8"	218
24"	280

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

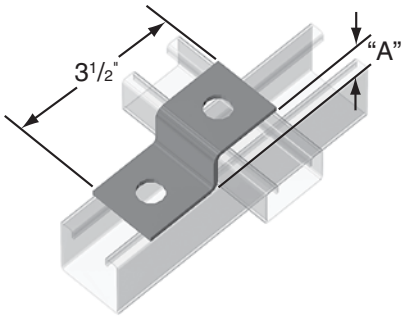
AS 927 GR, EG
FIVE HOLE CORNER CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 154 lbs.

AS 928 GR, EG, ZTC
"Z" SUPPORT

Use For AS 500 and AS 520.

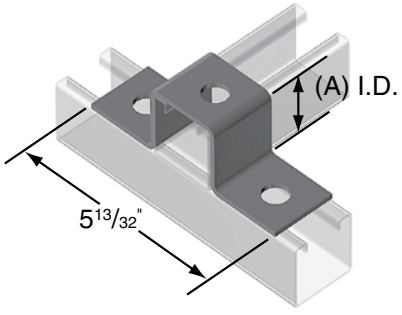


A = 13/16"

Std Pkg: 50 · Wt/100 pcs: 47 lbs.

AS 929 GR, EG, ZTC
"U" SUPPORT

Use With AS 500 and AS 520.

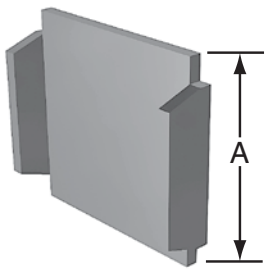


A = 13/16"

Std Pkg: 50 · Wt/100 pcs: 71 lbs.

AS 930 PG
TYPE "A" END CAP

Use With AS 500 Channel.



A = 13/16"

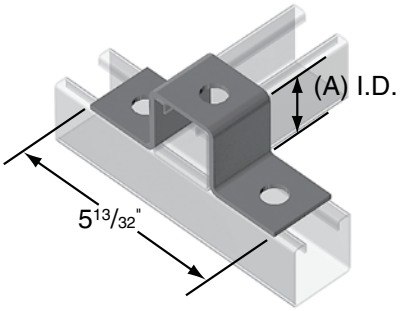
Std Pkg: 200 · Wt/100 pcs: 5 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 978 GR, EG

"U" SUPPORT

Use With AS 400.

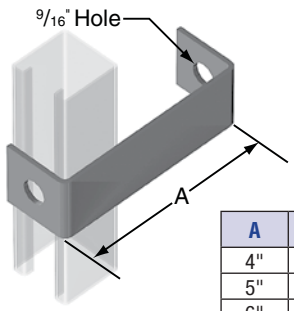


A = 1"

Std Pkg: 20 · Wt/100 pcs: 71 lbs.

AS 993 GR, EG

INSIDE CLEVIS



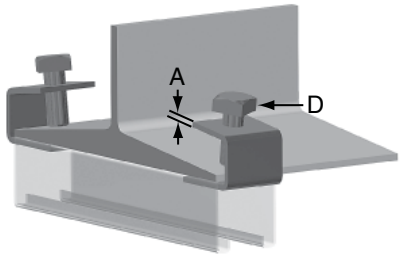
A	Wt/100 pcs
4"	78
5"	89
6"	101
7"	112
8"	124

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

AS 998 EG

"I" BEAM CLAMP

Includes Set Screw.



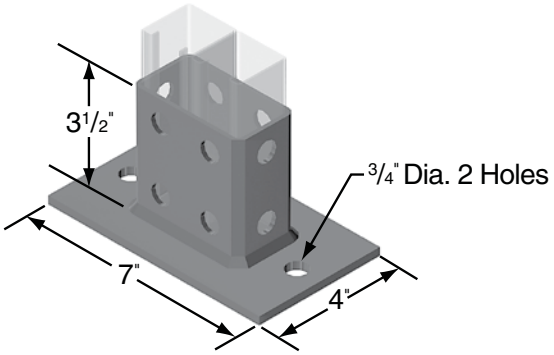
A	D	Load Rating
3/8"	1/2 x 13 x 1 1/2	500

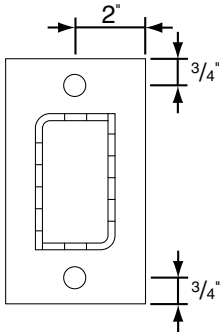
Std Pkg: 25 · Wt/100 pcs: 83 lbs.

AS 2064 EG

DOUBLE COLUMN POST BASE

Use With AS 100, AS 200BTB, AS 200STS, AS 200BTS, AS 200STSR.

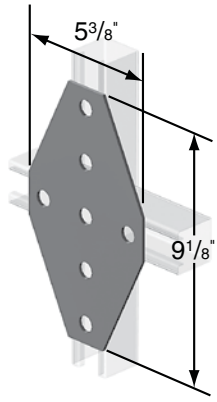




Std Pkg: 5 · Wt/100 pcs: 311 lbs.

AS 2112 EG

CROSS CONNECTOR

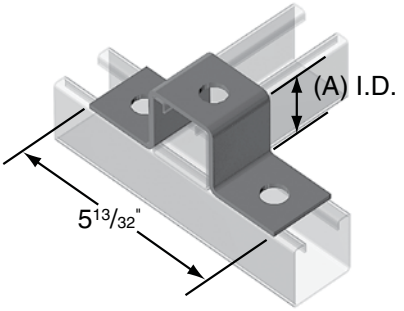


Std Pkg: 10 · Wt/100 pcs: 240 lbs.

AS 2119 GR, EG

"U" CONNECTOR

Use With AS 200 and AS 210.

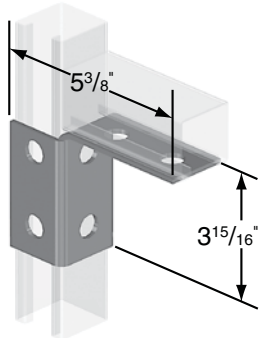


A = 1 5/8"

Std Pkg: 25 · Wt/100 pcs: 95 lbs.

AS 2128 GR, EG

RH & LH SIX HOLE CORNER CONNECTOR

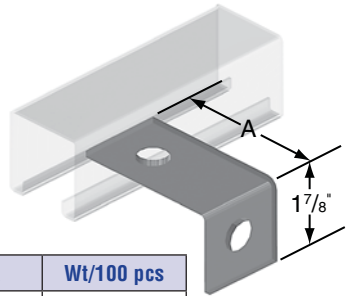


When ordering, specify RH or LH.

Std Pkg: 10 · Wt/100 pcs: 119 lbs.

AS 2144 GR, EG

CORNER ANGLE



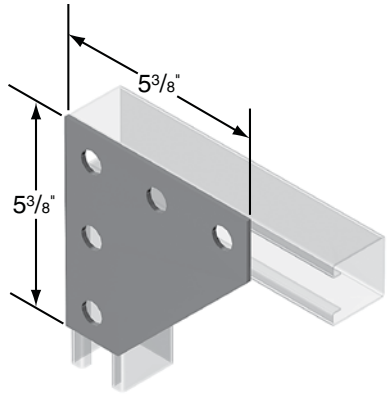
A	Wt/100 pcs
3"	49
3 1/2"	54
4"	61

Std Pkg: 25 · 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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 2190 GR, EG

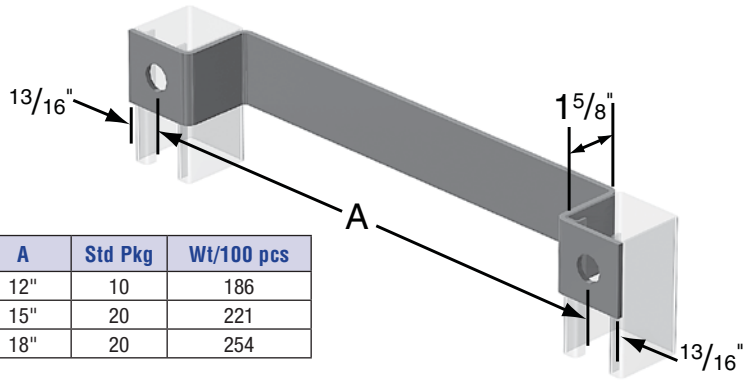
FLAT CORNER CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 150 lbs.

AS 2401–2403 GR, HG

LADDER RUNG



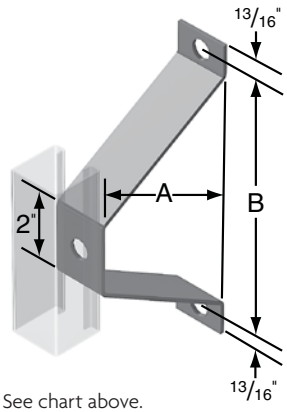
	A	Std Pkg	Wt/100 pcs
AS 2401	12"	10	186
AS 2402	15"	20	221
AS 2403	18"	20	254

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

AS 2404–2408 GR, HG

WALL LADDER BRACKET

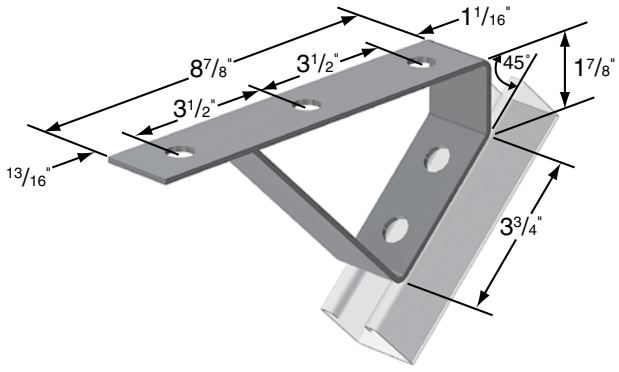
	A	B	Wt/100 pcs
AS 2404	2 3/8"	6"	113
AS 2405	4 3/8"	8"	164
AS 2406	6 3/8"	10"	216
AS 2407	8 3/8"	12"	267
AS 2408	10 3/8"	14"	318



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

AS 2421 GR, HG

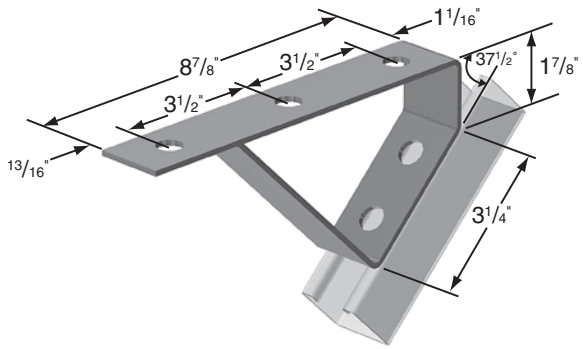
45° STAIR TREAD SUPPORT



Std Pkg: 20 · Wt/100 pcs: 220 lbs.

AS 2422 GR, HG

37 1/2° STAIR TREAD SUPPORT

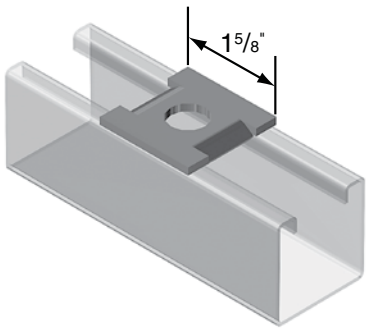


Std Pkg: 25 · Wt/100 pcs: 213 lbs.

AS 2504 GR, EG

SQUARE WASHER WITH CHANNEL GUIDE

Size	Wt/100 pcs
1/4"	18
3/8"	18
1/2"	17



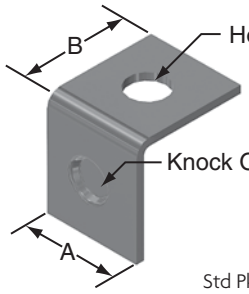
Std Pkg: 100 · Wt/100 pcs: See chart above.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 2511 EG

END CAP WITH KNOCK OUT

AS 2511 1 — Use With AS 100.
AS 2511 2 — Use With AS 200 and AS 210.
AS 2511 3 — Use with AS 300.

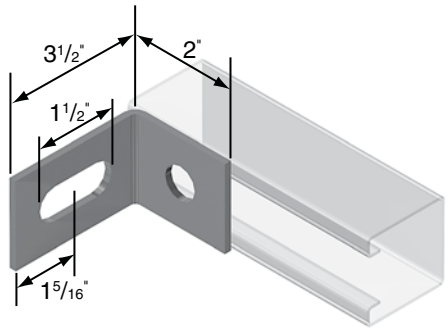


	A	B	Wt/100 pcs
AS 2511 1	3 1/4"	1 3/4"	3.1
AS 2511 2	1 5/8"	1 3/4"	2.7
AS 2511 3	1 5/8"	1 3/4"	2.6

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

AS 2520 GR, EG

TWO HOLE ADJUSTMENT ANGLE

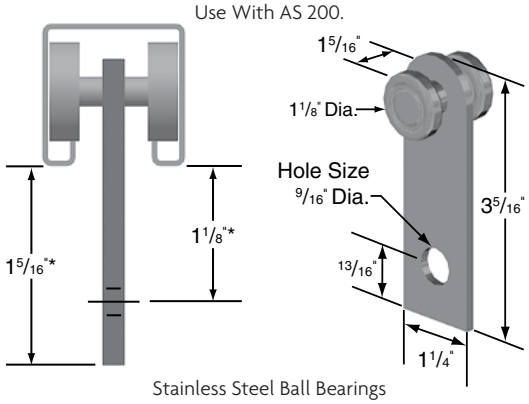


Std Pkg: 25 · Wt/100 pcs: 42 lbs.

AS 2521 EG

TWO WHEEL TROLLEY

Use With AS 200.

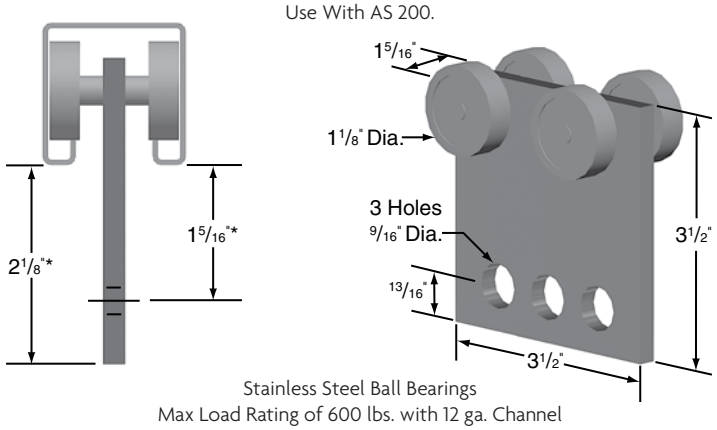


Stainless Steel Ball Bearings
Max Load Rating of 300 lbs. with 12 ga. Channel
* Based on standard dimensions for channel
Std Pkg: 20 · Wt/100 pcs: 46 lbs.

AS 2522 EG

FOUR WHEEL TROLLEY

Use With AS 200.

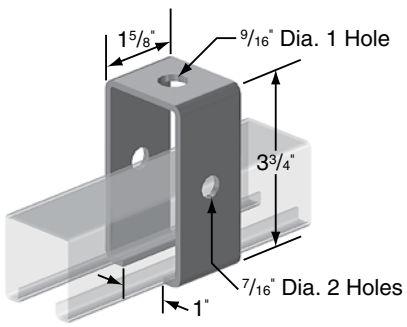


Stainless Steel Ball Bearings
Max Load Rating of 600 lbs. with 12 ga. Channel
* Based on standard dimensions for channel
Std Pkg: 10 · Wt/100 pcs: 110 lbs.

AS 2528 GR, EG

TROLLEY BEAM STANDARD SUPPORT

Use With AS 200 and AS 210 Channels.



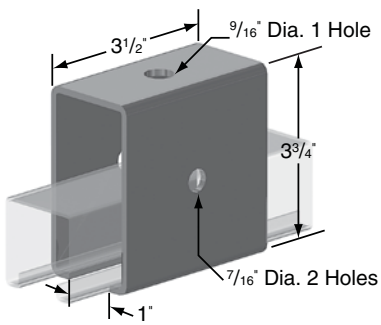
Load Rating: 600 lbs.

Std Pkg: 10 · Wt/100 pcs: 102 lbs.

AS 2528-1 GR, EG

TROLLEY BEAM JOINT SUPPORT

Use With AS 200 and AS 210 Channels.



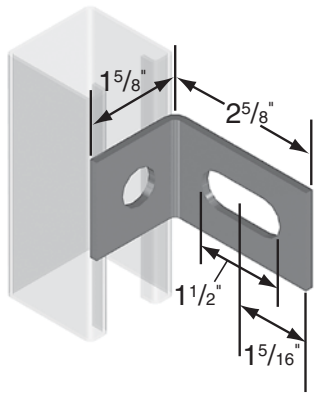
Load Rating: 2500 lbs.

Std Pkg: 10 · Wt/100 pcs: 220 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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 2545 GR, EG

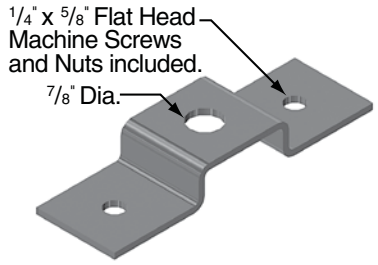
SLOTTED 90° ANGLE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 2560, AS 2561 EG

CONDUIT CONNECTOR FITTING ASSEMBLY



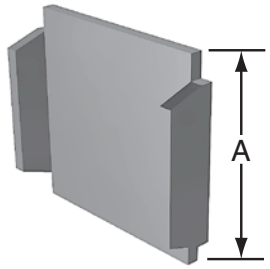
	Use With	Std Pkg	Wt/100 pcs
AS 2560	1/2" Conduit	50	36
AS 2561	3/4" Conduit	25	36

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

AS 2580 PG

TYPE "A" END CAP

Use With AS 150.



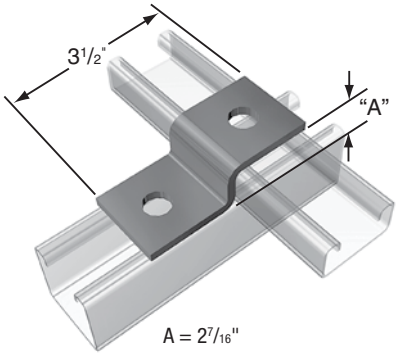
A = 2 3/8"

Std Pkg: Bulk · Wt/100 pcs: 18 lbs.

AS 2601 GR, HG

"Z" SUPPORT

Use With AS 150.



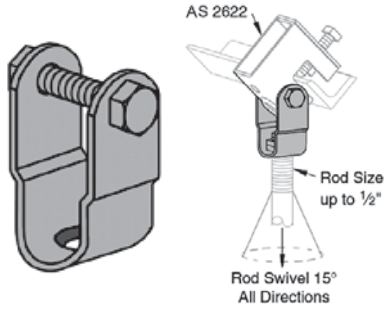
A = 2 7/16"

Std Pkg: 25 · Wt/100 pcs: 67 lbs.

AS 2623 EG

SWIVEL ADAPTER

Use With AS 2622 Beam Clamp.

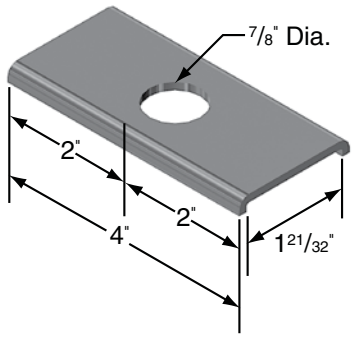


Load Rating: 300 lbs.

Std Pkg: 50 · Wt/100 pcs: 31 lbs.

AS 2627 EG

SPACER CLEVIS

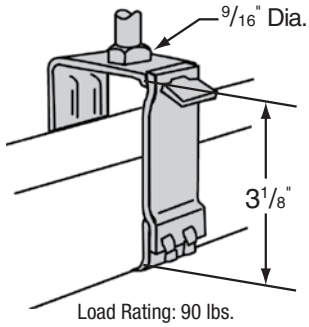


Std Pkg: 25 · Wt/100 pcs: 24 lbs.

AS 2631 EG

SWING GATE FIXTURE HANGER

Use With AS 200, AS 210, AS 300, AS 400, and AS 500.



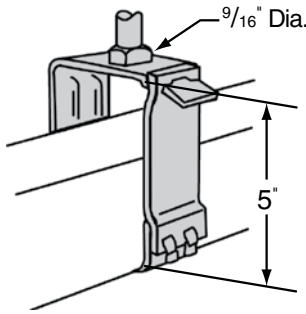
Load Rating: 90 lbs.

Std Pkg: 20 · Wt/100 pcs: 27 lbs.

AS 2631 D EG

SWING GATE FIXTURE HANGER

Use With AS 100, AS 150, AS 200BTB, AS 210BTB.



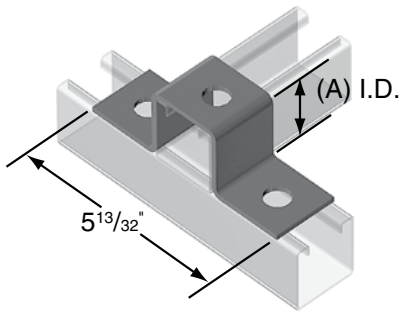
Load Rating: 90 lbs.

Std Pkg: 20 · Wt/100 pcs: 33 lbs.

AS 2648 GR, EG

"U" SUPPORT

Use With AS 150.



A = 2 7/16"

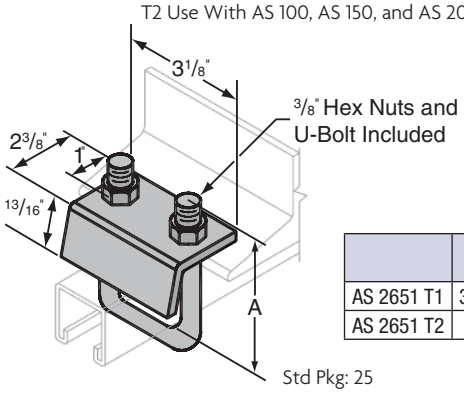
Std Pkg: 25 · Wt/100 pcs: 108 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 2651 EG, ZTC

BEAM CLAMP

T1 Use With AS 200, AS 210, AS 300, AS 400, AS 500, AS 520.
T2 Use With AS 100, AS 150, and AS 200BTB.



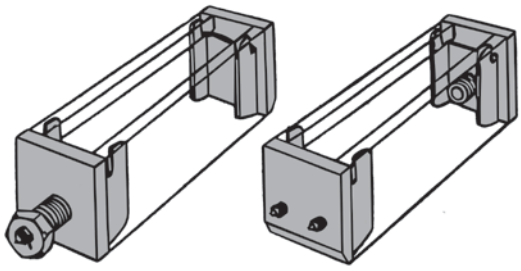
	A	Load Rating	Wt/100 pcs
AS 2651 T1	3 3/8"	1000	89
AS 2651 T2	5"	1000	92

Std Pkg: 25

AS 2654, AS 2654 A GR, EG

COLUMN ATTACHMENT

Use AS 2654 With AS 200.
Use AS 2654 A With AS 500.



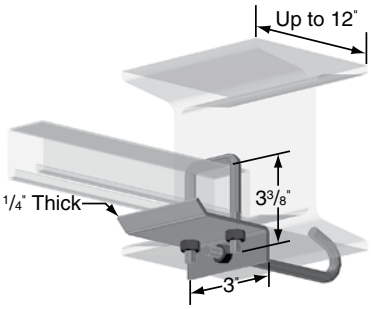
Slip Rating: 800
Column attachments can only be used in pairs.

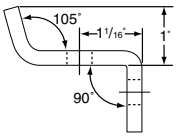
Std Pkg: 25 pair · Wt/100 pcs: 41 lbs.

AS 2656 EG

"U" BOLT BEAM CLAMP WITH HOOK

Specify 6" or 12" Max. Flange Width.
T1 Use With AS 200, AS 210, AS 300, AS 400, AS 500, and AS 520.
T2 Use With AS 100, AS 150, and AS 200BTB.





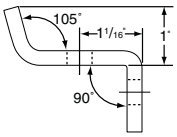
	Wt/100 pcs
AS 2656 T1 6	130
AS 2656 T1 12	142
AS 2656 T2 6	141
AS 2656 T2 12	153

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

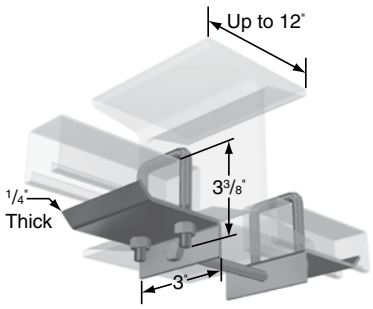
AS 2657 EG

DOUBLE "U" BOLT BEAM CLAMP

Specify 6" or 12" Max. Flange Width.
T1 Use With AS 200, AS 210, AS 300, AS 400, AS 500, and AS 520.
T2 Use With AS 100, AS 150, and AS 200BTB.



	Wt/100 pcs
AS 2657 T1 6	204
AS 2657 T1 12	210
AS 2657 T2 6	226
AS 2657 T2 12	232

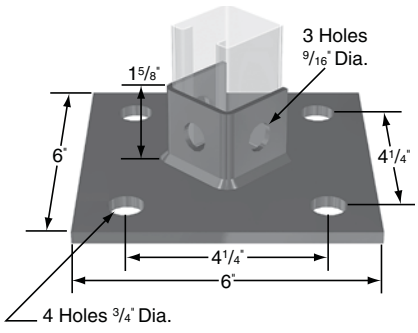


Std Pkg: 10 · Wt/100 pcs: See chart above.

AS 3013 GR, EG

SINGLE COLUMN POST BASE

Use With AS 200 and AS 210.

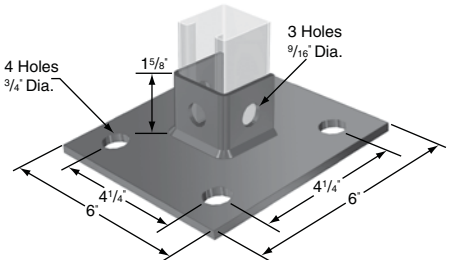


Std Pkg: 10 · Wt/100 pcs: 307 lbs.

AS 3013 SQ GR, EG

SINGLE COLUMN POST BASE

Use With AS 200 and AS 210.

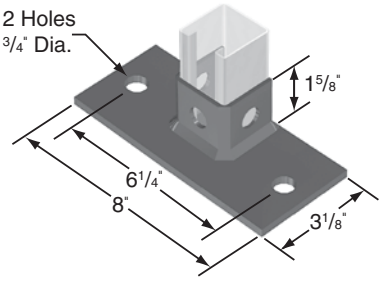


Std Pkg: 5 · Wt/100 pcs: 314 lbs.

AS 3013 FL GR, EG

SINGLE COLUMN POST BASE

Use With AS 200 and AS 210.



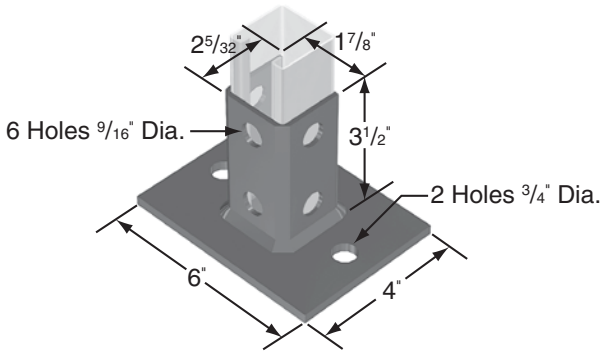
Std Pkg: 10 · Wt/100 pcs: 230 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 3025 GR, EG

POST BASE

Use With AS 200 and AS 210.

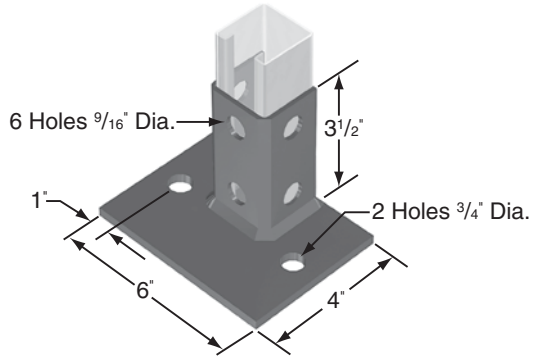


Std Pkg: 10 · Wt/100 pcs: 358 lbs.

AS 3025 FL GR, EG

POST BASE

Use With AS 200 and AS 210.

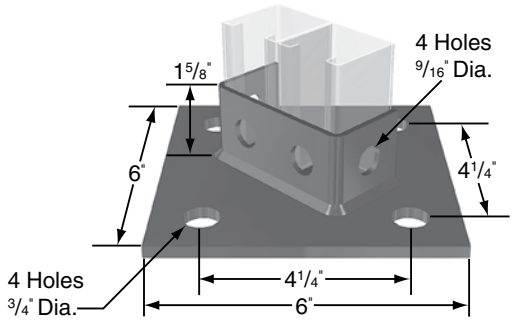


Std Pkg: 10 · Wt/100 pcs: 312 lbs.

AS 3029 GR, EG

DOUBLE COLUMN POST BASE

Use With All 3 1/4" Channels
Square Alternative also offered.

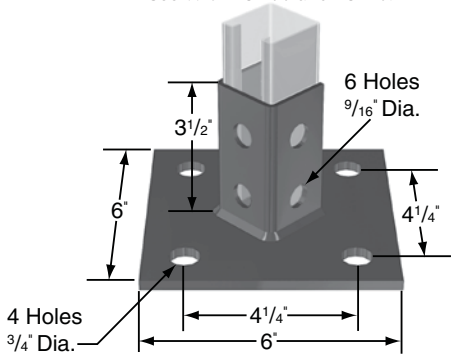


Std Pkg: 5 · Wt/100 pcs: 325 lbs.

AS 3033 GR, EG, ZTC

POST BASE

Use With AS 200 and AS 210.

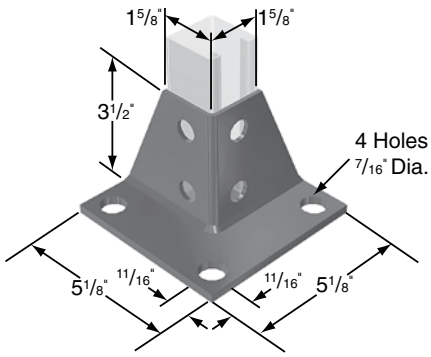


Std Pkg: 10 · Wt/100 pcs: 373 lbs.

AS 3040 GR, EG

POST BASE

Use With AS 200 and AS 210.

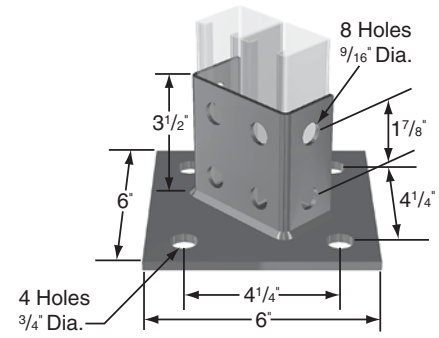


Std Pkg: 10 · Wt/100 pcs: 297 lbs.

AS 3064 GR, EG, ZTC

DOUBLE COLUMN POST BASE

Use With All 3 1/4" Channels.
Flush Alternative also offered.



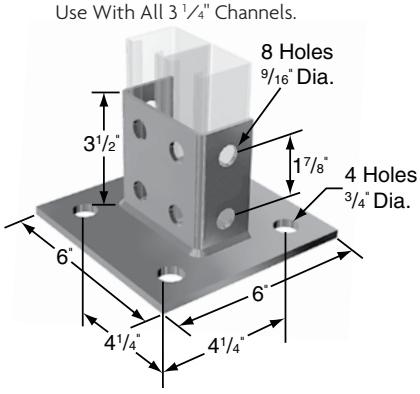
Std Pkg: 10 · Wt/100 pcs: 408 lbs.

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 3064 SQ GR, EG, ZTC

DOUBLE COLUMN POST BASE

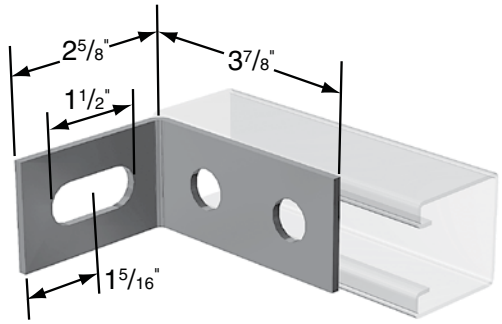
Use With All 3 1/4" Channels.



Std Pkg: 10 · Wt/100 pcs: 408 lbs.

AS 3049 GR, EG

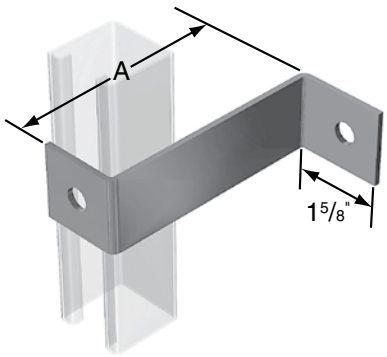
TWO HOLE SLOTTED 90° CORNER CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 66 lbs.

AS 3060 GR, EG

OFFSET CONNECTOR



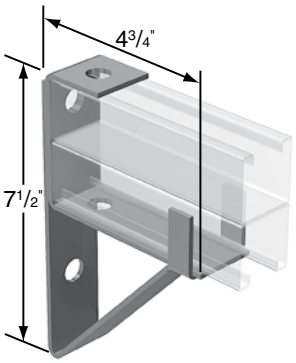
A	Wt/100 pcs
4"	81
5"	92
6"	104
7"	115
8"	127

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

AS 3164 GR, EG

DOUBLE CHANNEL BRACKET SUPPORT

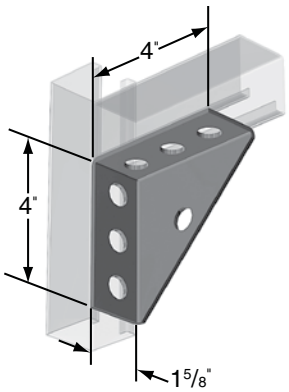
Use With All 3 1/4" Channels.



Std Pkg: 10 · Wt/100 pcs: 273 lbs.

AS 3373 GR, EG, ZTC

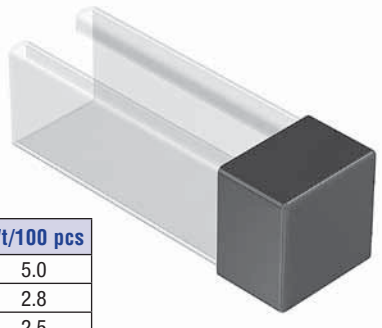
UNIVERSAL ANGLE BRACKET



Std Pkg: 25 · Wt/100 pcs: 134 lbs.

AS 6153 Red, White

SAFETY END CAP



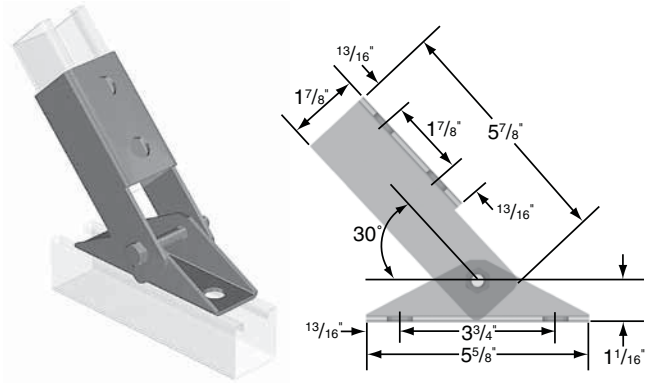
Size	Use With	Wt/100 pcs
1	AS 100	5.0
2	AS 200, AS 210	2.8
3	AS 300	2.5
5	AS 500	2.0

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
For Zinc Trivalent Chromium (**ZTC**), refer to pages 82-88 in the Specialty Strut Section. For Load Rating, see page 94.

AS 9400 GR, EG

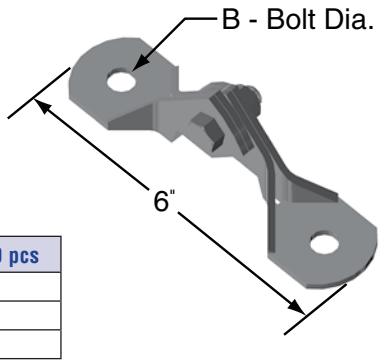
ADJUSTABLE BASE



Std Pkg: 10 · Wt/100 pcs: 307 lbs.

AS 9402 EG

TWO HOLE HINGE CONNECTOR

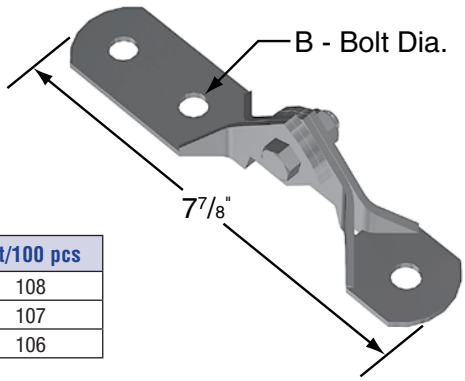


B	Wt/100 pcs
1/2"	90
5/8"	88
3/4"	86

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

AS 9403 EG

THREE HOLE HINGE CONNECTOR

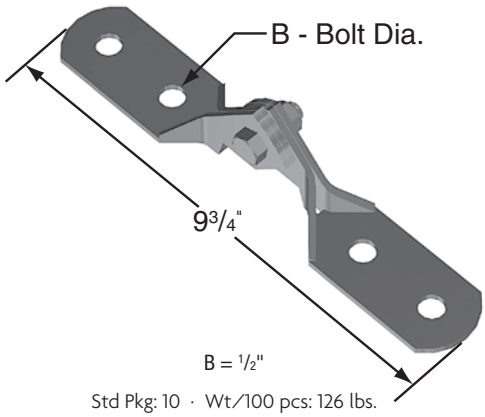


B	Wt/100 pcs
1/2"	108
5/8"	107
3/4"	106

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

AS 9404 EG

FOUR HOLE HINGE CONNECTOR

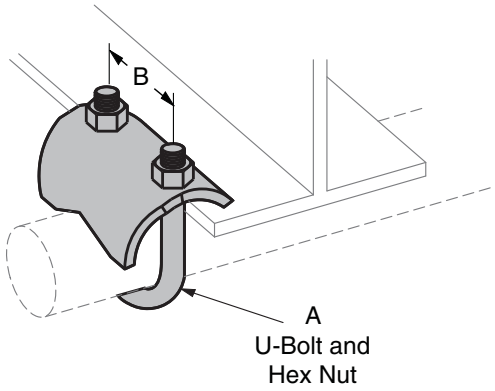


Std Pkg: 10 · Wt/100 pcs: 126 lbs.

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

AS 51 **EG**

RIGHT ANGLE PIPE OR CONDUIT CLAMP



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

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

Fig. 67

PIPE OR CONDUIT HANGER

Size range 1/2" thru 6".

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

Fig. 69

SWIVEL RING HANGER

Size range 1/2" thru 4".

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

Fig. 137

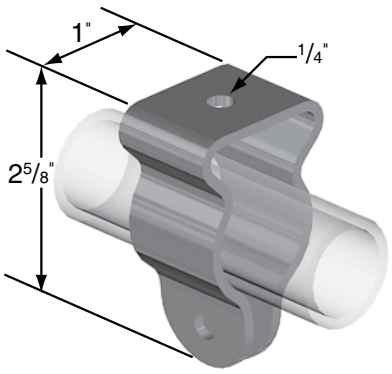
"U" BOLT WITH NUTS LONG TANGENT

Size range 1/2" thru 4".

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

AS 270 **EG**

CONDUIT CLAMP



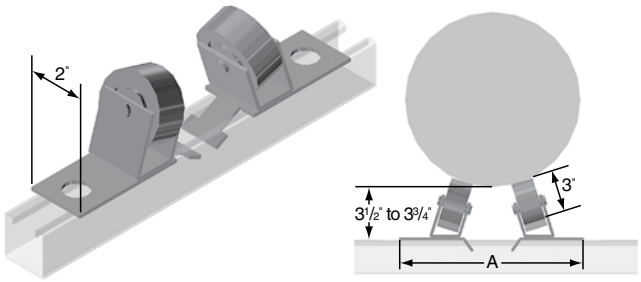
A	Std Pkg	Wt/100 pcs
3/8" – 1/2"	50	6
3/4"	50	8
1"	50	9
1 1/4"	25	11
1 1/2"	25	19
2"	25	27

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

AS 815 **EG**

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

Order Nuts and Bolts Separately.



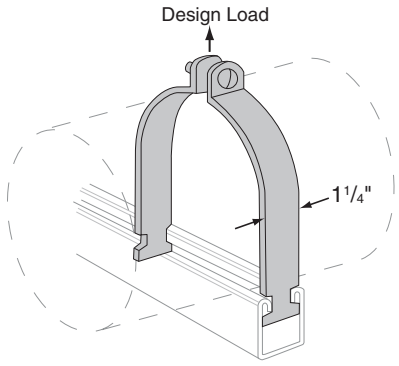
Load Rating: 1500 lbs.
For "A" Dimension Recommendations, See Chart On Page 87.

Std Pkg: 5 Pr. · Wt/100 pcs: 680 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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

AS 1000 EG

EMT CONDUIT CLAMPS PRE-ASSEMBLED



Size	O.D. Size	Load Rating	Std Pkg	Wt/100 pcs
3/8"	0.577	400	100	9
1/2"	0.706	400	100	11
3/4"	0.922	400	100	12
1"	1.163	600	100	15
1 1/4"	1.510	600	100	18
1 1/2"	1.740	800	50	29
2"	2.197	800	50	33

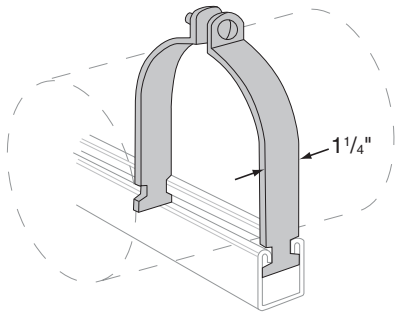
All sizes offered in pre-assembled only.

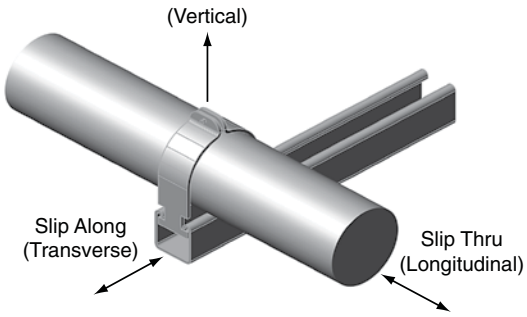
Std Pkg & Wt/100 pcs: See chart above.

AS 1100 EG, SS, ZTC

RIGID STEEL CONDUIT AND PIPE CLAMPS PRE-ASSEMBLED

Also For IMC and GRC.





Size	O.D. Size	Std Pkg	Wt/100 pcs
3/8"	0.675	100	10
1/2"	0.840	100	11
3/4"	1.050	100	15
1	1.315	100	17
1 1/4"	1.660	100	19
1 1/2"	1.900	50	29
2"	2.375	50	34
2 1/2"	2.875	50	40
3	3.500	50	47
3 1/2"	4.000	25	62
4"	4.500	25	67
5"	5.563	25	80
6"	6.625	25	102
8"	8.625	25	130
10"	10.750	25	143
12"	12.750	25	174

All sizes offered in pre-assembled only.

Nominal Pipe Size	Design Loads (Safety Factor 3.0)		
	Pullout (lbs)	Slip Along (lbs)	Slip Thru (lbs)
1/2"	907	77	213
3/4"	992	169	142
1	806	174	131
1 1/4"	1,160	150	354
1 1/2"	1,564	336	335
2"	1,572	506	405
2 1/2"	1,610	548	287
3	1,317	452	496
3 1/2"	1,490	531	434
4"	1,505	576	518
5"	1,313	567	411
6"	1,531	563	406
8"	2,018	664	580
10"	1,000	–	–
12"	1,000	–	–

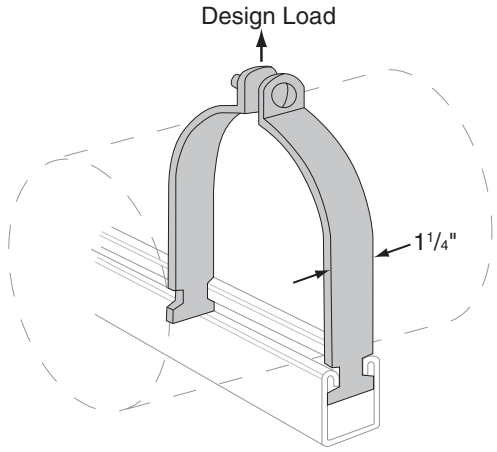
Std Pkg & Wt/100 pcs: See chart above.

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 For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

AS 1200 O.D. | **EG, Copper Plated, SS, ZTC**

TUBING CLAMP PRE-ASSEMBLED



O.D. Size	Tube Size	Load Rating (lbs)	Available CPLT	Wt/100 pcs
1/4"	1/8"	400	—	8
3/8"	* 1/4"	400	CPLT	8
1/2"	* 3/8"	400	CPLT	9
5/8"	* 1/2"	400	CPLT	10
3/4"	5/8"	400	—	11
7/8"	* 3/4"	400	CPLT	12
1"	7/8"	600	—	14
1 1/8"	* 1"	600	CPLT	15
1 1/4"	1 1/8"	600	—	16
1 3/8"	* 1 1/4"	600	CPLT	17
1 1/2"	1 3/8"	600	—	18
1 5/8"	* 1 1/2"	600	CPLT	19
1 3/4"	1 5/8"	800	—	29
1 7/8"	1 3/4"	800	—	28
2"	1 7/8"	800	—	31
2 1/8"	* 2"	800	CPLT	32
2 1/4"	2 1/8"	800	—	33
2 3/8"	2 1/4"	800	—	34
2 1/2"	2 3/8"	800	—	35
2 5/8"	* 2 1/2"	800	CPLT	37
2 3/4"	2 5/8"	800	—	38
2 7/8"	2 3/4"	800	—	40
3"	2 7/8"	800	—	41
3 1/8"	* 3"	800	CPLT	43
3 1/4"	3 1/8"	800	—	45
3 3/8"	3 1/4"	800	—	46
3 1/2"	3 3/8"	800	—	47
3 5/8"	* 3 1/2"	800	CPLT	56
3 3/4"	3 5/8"	800	—	58
3 7/8"	3 3/4"	1000	—	60
4"	3 7/8"	1000	—	62
4 1/8"	* 4"	1000	CPLT	62
4 1/4"	4 1/8"	1000	—	64
4 3/8"	4 1/4"	1000	—	66
4 1/2"	4 3/8"	1000	—	67
4 5/8"	4 1/2"	1000	—	70
4 3/4"	4 5/8"	1000	—	72
4 7/8"	4 3/4"	1000	—	73
5"	4 7/8"	1000	—	74
5 1/8"	5"	1000	—	76
5 1/4"	5 1/8"	1000	—	77
5 3/8"	5 1/4"	1000	—	78
5 1/2"	5 3/8"	1000	—	79
5 5/8"	5 1/2"	1000	—	88
5 3/4"	5 5/8"	1000	—	90
5 7/8"	5 3/4"	1000	—	92
6"	5 7/8"	1000	—	94
6 1/8"	6"	1000	—	96
6 1/4"	6 1/8"	1000	—	98
6 3/8"	6 1/4"	1000	—	99
6 1/2"	6 3/8"	1000	—	100
6 5/8"	6 1/2"	1000	—	102
6 3/4"	6 5/8"	1000	—	104
6 7/8"	6 3/4"	1000	—	106
7"	6 7/8"	1000	—	108
7 1/8"	7"	1000	—	110
7 1/4"	7 1/8"	1000	—	112
7 3/8"	7 1/4"	1000	—	114
7 1/2"	7 3/8"	1000	—	116
7 5/8"	7 1/2"	1000	—	117
7 3/4"	7 5/8"	1000	—	119
7 7/8"	7 3/4"	1000	—	121
8"	7 7/8"	1000	—	123
8 1/8"	8"	1000	—	125
8 1/4"	8 1/8"	1000	—	126
8 3/8"	8 1/4"	1000	—	128
8 1/2"	8 3/8"	1000	—	129
8 5/8"	8 1/2"	1000	—	130

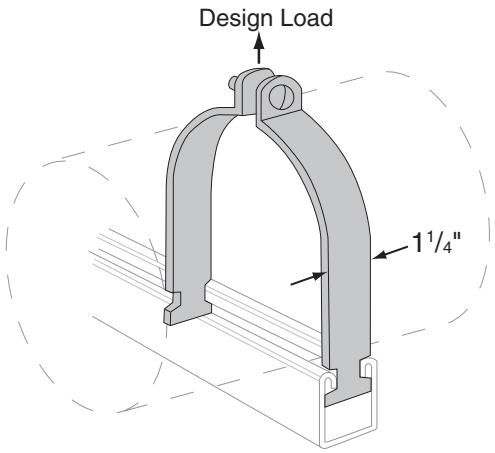
All sizes are offered in pre-assembled only.
* 1/4" - 4" Nominal CU Wtr Tube Sizes
Std Pkg & Wt/100 pcs: See chart above.

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

AS 1300 **EG**

UNIVERSAL CLAMP PRE-ASSEMBLED

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



Size	O.D. Range	Load Rating	Std Pkg	Wt/100 pcs
1/2"	.706 to .840	250	100	10
3/4"	.922 to 1.050	400	100	11
1"	1.163 to 1.315	400	100	12
1 1/4"	1.510 to 1.660	400	100	18
1 1/2"	1.740 to 1.900	500	50	20
2"	2.197 to 2.375	500	50	22

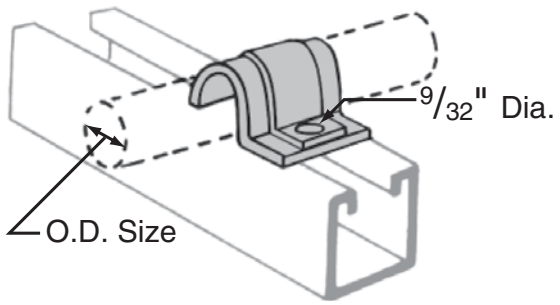
All sizes offered in pre-assembled only.

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

AS 1450 **EG**

ONE HOLE CLAMP FOR O.D. TUBING

Use With 1 5/8" Wide Channel

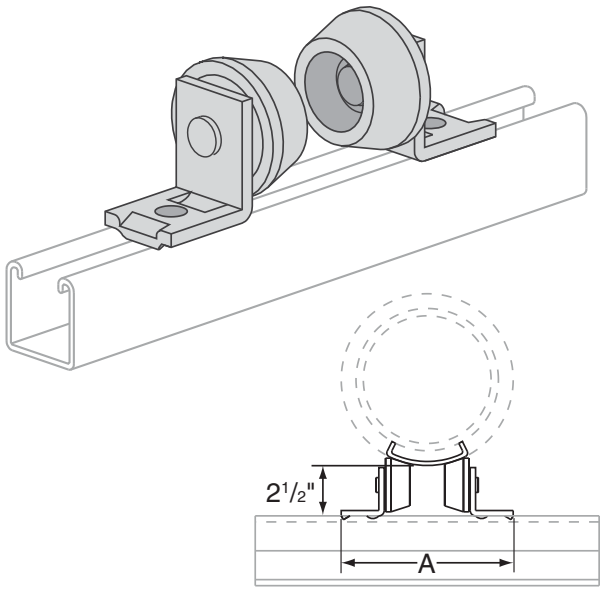


O.D. Size	Std Pkg	Wt/100 pcs
1/4"	100	4
3/8"	100	5
1/2"	100	6
5/8"	100	8
3/4"	100	9
7/8"	50	10
1"	50	11

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

AS 1901 **EG**

(1/2" – 4" PIPE) PIPE ROLLER SUPPORT



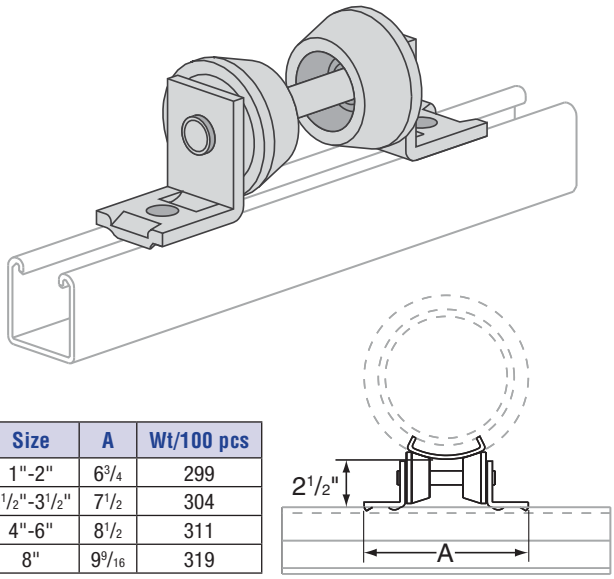
Load Rating: 500 lbs.
For "A" Dimension Recommendations, see chart on page 89.

Std Pkg: 10 Pr. · Wt/100 pcs: 268 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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

AS 1902 **EG**

(1" – 8" PIPE) PIPE ROLLER SUPPORT



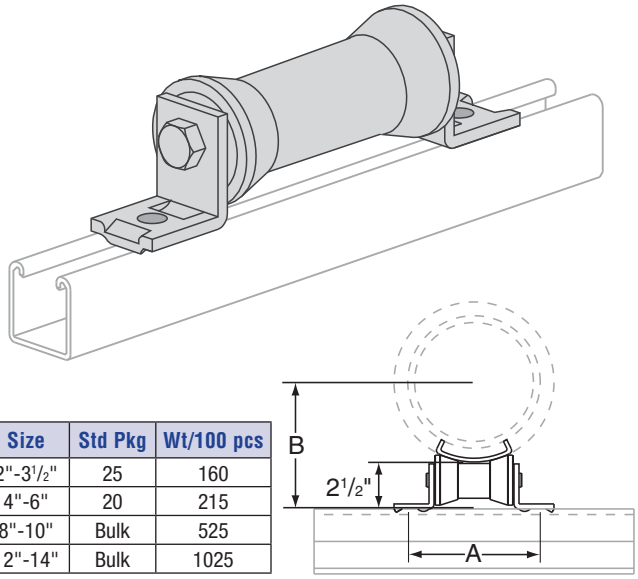
Size	A	Wt/100 pcs
1"-2"	6 3/4	299
2 1/2"-3 1/2"	7 1/2	304
4"-6"	8 1/2	311
8"	9 9/16	319

Load Rating: 750 lbs.
For "A" Dimension Recommendations, see chart on page 89.

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

AS 1911 **EG**

(2" – 14" PIPE) PIPE ROLLER



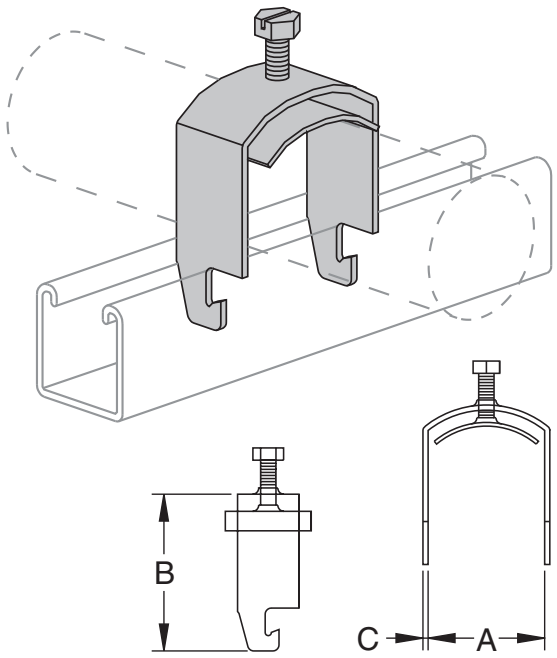
Size	Std Pkg	Wt/100 pcs
2"-3 1/2"	25	160
4"-6"	20	215
8"-10"	Bulk	525
12"-14"	Bulk	1025

Load Rating: 950 lbs.
For "A" Dimension Recommendations, see chart on page 89.

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

AS 3101 THRU AS 3115 **EG**

ONE PIECE CABLE AND CONDUIT CLAMP



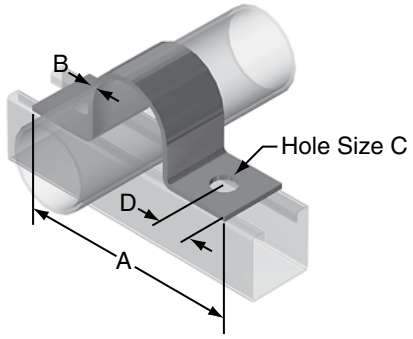
No.	Size	A	B	C	Std Pkg	Wt/100 pcs
AS 3101	3/8"	7/16"	1 5/8"	14	100	6
AS 3102	1/2"	9/16"	1 3/4"	14	100	7
AS 3103	3/4"	1 3/16"	2"	14	100	12
AS 3104	1"	1 1/16"	2 1/4"	14	100	15
AS 3105	1 1/4"	1 5/16"	2 1/2"	14	100	19
AS 3106	1 1/2"	1 9/16"	2 3/4"	14	100	20
AS 3107	1 3/4"	1 13/16"	3"	12	100	25
AS 3108	2"	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
AS 3115	4 3/4"	4 13/16"	6"	12	30	125

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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

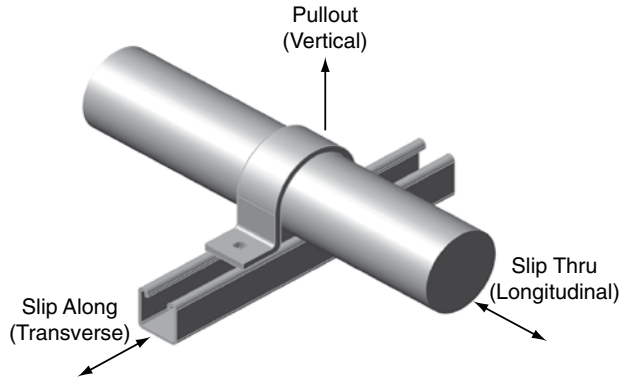
AS 3126 EG

HOLD DOWN CLAMP



Size	A	Std Pkg	Wt/100 pcs
1/2"	2 7/8"	50	23
3/4"	3 1/16"	50	26
1"	3 11/32"	25	31
1 1/4"	3 11/16"	25	35
1 1/2"	3 29/32"	25	39
2"	5 21/32"	25	94
2 1/2"	6 5/32"	25	114
3"	6 25/32"	25	133
3 1/2"	7 9/32"	10	152
4"	7 25/32"	Bulk	176
5"	7 27/32"	Bulk	198
6"	9 29/32"	Bulk	225

Size	B	C	D
1/2 - 1 1/2	1/8"	9/32"	7/16"
2 - 6	1/4"	13/32"	13/16"

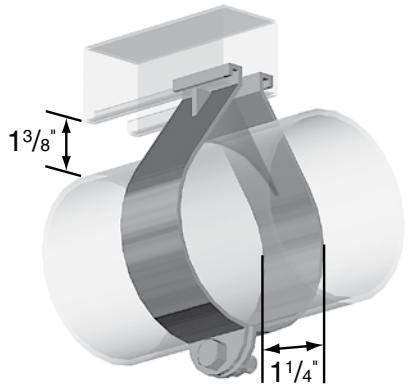


Nominal Pipe Size	Design Loads (Safety Factor 3.0)		
	Pullout (lbs)	Slip Along (lbs)	Slip Thru (lbs)
1/2"	811	479	425
3/4"	850	405	184
1	769	455	168
1 1/4"	830	401	402
1 1/2"	876	532	315
2"	2,133	1,728	553
2 1/2"	2,280	1,615	408
3	2,295	1,494	900
3 1/2"	2,273	1,516	646
4"	2,324	1,463	834
5"	2,324	1,097	564
6"	2,250	899	494

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

AS 3138 EG

PARALLEL PIPE CLAMP

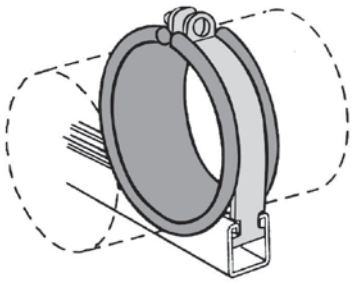


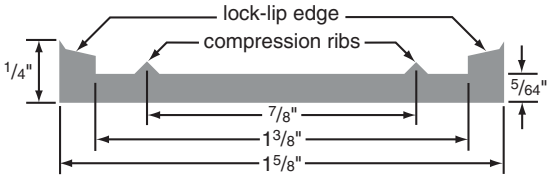
Size	Load Rating (lbs)	Std Pkg	Wt/100 pcs
3/8"	300	50	27
1/2"	300	50	29
3/4"	300	50	30
1"	400	50	31
1 1/4"	400	50	38
1 1/2"	500	50	40
2"	500	25	47
2 1/2"	500	25	66
3"	500	25	78
3 1/2"	500	25	87
4"	500	25	90

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

AS 3792 EPDM

CUSHION STRIP





Material: EPDM
Service Temperature –50°F to 275°F.

Std Pkg: 20 Ft./Box · Wt/100 boxes: 253 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
For Stainless Steel (**SS**) and Zinc Trivalent Chromium (**ZTC**), refer to pages 86 and 87 in the Specialty Strut Section.

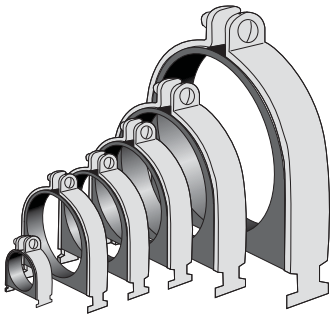
AS 004OD THRU AS 106P | **EG, ZTC**

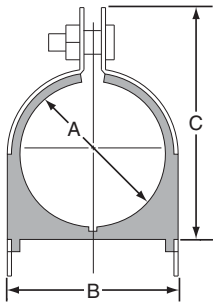
CUSHION CLAMP ASSEMBLY

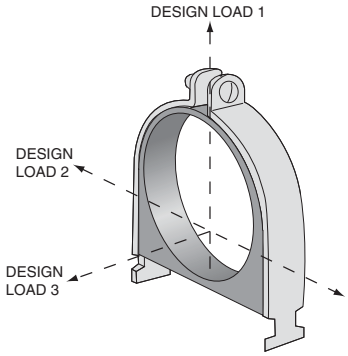
Material
Clamp: 1008-1018 Carbon Steel
Cushion: Dupont Hytel
Locknut: Nylon Insert

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 0300DP	1 1/2" Pipe	1.90	2.35	2.86	20	39
AS 0380DP	2" Pipe	2.37	2.82	3.67	10	47
AS 0460DP	2 1/2" Pipe	2.87	3.32	4.17	5	55
AS 0560DP	3" Pipe	3.50	3.95	4.79	5	55
AS 0640DP	3 1/2" Pipe	4.00	4.45	5.42	5	88
AS 0720DP	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

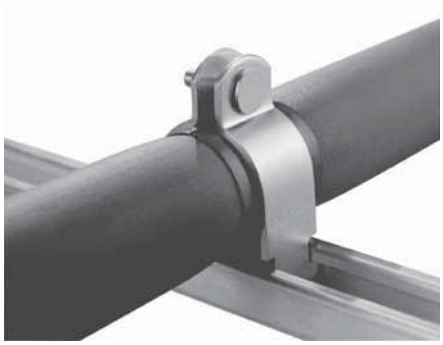
PIPE SERIES			
Pipe Sizes (Nominal)	Design Load 1 (lbs)	Design Load 2 (lbs)	Design Load 3 (lbs)
1/4"	400	50	50
3/8"	600	75	75
1/2"	600	75	75
3/4"	600	75	75
1"	600	75	75
1 1/4"	800	125	125
1 1/2"	800	125	125
2"	800	125	125
2 1/2"	800	125	125
3"	1000	200	150
3 1/2"	1000	200	150
4"	1000	200	150
5"	1000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

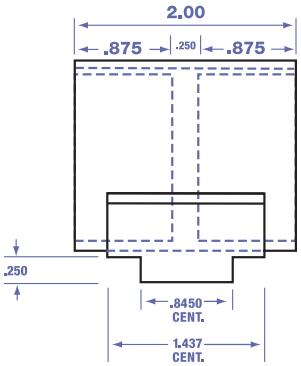
Std Pkg & Wt/100 pcs: See chart above.

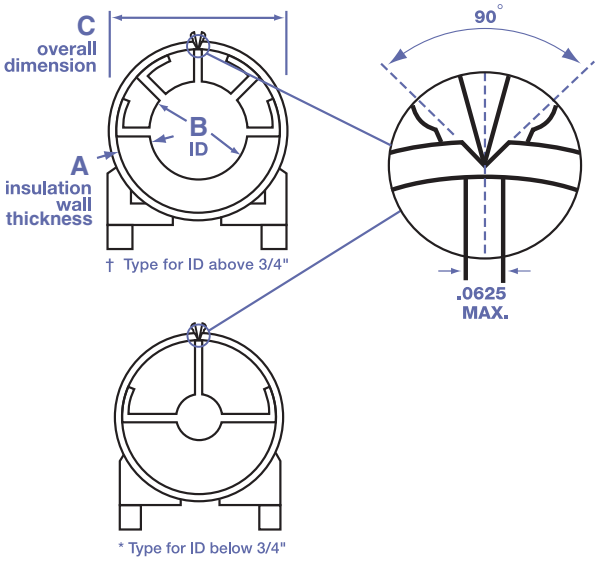
KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH STRUT CLAMP

FOR USE WITH ELASTORMIC INSULATION

Klo-Shure® Strut Mounted parts include the Klo-Shure® Coupling, clamp halves with welded fastener and locknut. Used by permission.
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		B	C	
	Part No.	Klo-Shure ID – Tube OD	Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 3/8" wall insulation	AS 23025	1/4" ID	1.12	40
	AS 23037	3/8" ID	1.25	25
	AS 23050	1/2" ID	1.37	20
	AS 23062	5/8" ID	1.50	20
	AS 23075	3/4" ID	1.62	15
	AS 23087	7/8" ID	1.75	15
	AS 23100	1" ID	1.87	15
	AS 23112	1 1/8" ID	2.00	15
	AS 23137	1 3/8" ID	2.25	15
	AS 23162	1 5/8" ID	2.50	10
	AS 23212	2 1/8" ID	3.00	10
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	AS 24037	3/8" ID	1.50	25
	AS 24050	1/2" ID	1.62	20
	AS 24062	5/8" ID	1.75	20
	AS 24075	3/4" ID	1.87	15
	AS 24087	7/8" ID	2.00	15
	AS 24100	1" ID	2.12	15
	AS 24112	1 1/8" ID	2.25	15
	AS24137	1 3/8" ID	2.50	15
	AS 24162	1 5/8" ID	2.75	10
	AS 24212	2 1/8" ID	3.25	10
	AS 24262	2 5/8" ID	3.75	10
	AS 24312	3 1/8" ID	4.25	10
	AS 24362	3 5/8" ID	4.75	10
	AS 24412	4 1/8" ID	5.25	10
Klo-Shure Strut Mounted Coupling for 3/4" wall insulation	AS 26025	1/4" ID	1.87	20
	AS 26037	3/8" ID	2.00	20
	AS 26050	1/2" ID	2.12	15
	AS 26062	5/8" ID	2.25	15
	AS 26075	3/4" ID	2.37	15
	AS 26087	7/8" ID	2.50	10
	AS 26112	1 1/8" ID	2.75	10
	AS 26137	1 3/8" ID	3.00	10
	AS 26162	1 5/8" ID	3.25	10
	AS 26212	2 1/8" ID	3.75	10
	AS 26262	2 5/8" ID	4.25	10
	AS 26312	3 1/8" ID	4.75	10
	AS 26362	3 5/8" ID	5.25	10
	AS 26412	4 1/8" ID	5.75	10

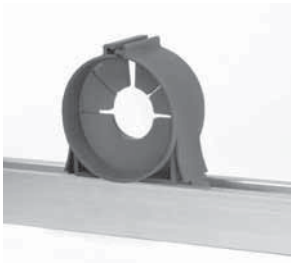
NOTE:
Klo-Shure® ID equals copper tube OD. Chart indicates coupling sizes currently available from Klo-Shure®. Service Temperature –65°F to 275°F.

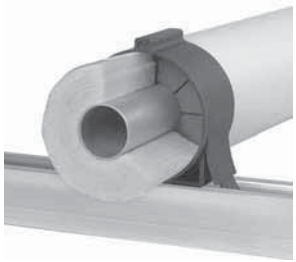
A		B	C	
	Part No.	Klo-Shure ID – Tube OD	Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1" wall insulation	AS 28062	5/8" ID	2.75	10
	AS 28087	7/8" ID	3.00	10
	AS 28112	1 1/8" ID	3.75	10
	AS 28137	1 3/8" ID	3.50	10
	AS 28162	1 5/8" ID	3.75	10
	AS 28212	2 1/8" ID	4.25	10
	AS 28262	2 5/8" ID	4.75	10
	AS 28312	3 1/8" ID	5.25	10
	AS 28362	3 5/8" ID	5.75	10
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	AS 29037	3/8" ID	3.50	10
	AS 29050	1/2" ID	3.62	10
	AS 29062	5/8" ID	3.75	10
	AS 29087	7/8" ID	4.00	10
	AS 29112	1 1/8" ID	4.25	10
	AS 29137	1 3/8" ID	4.50	10
	AS 29162	1 5/8" ID	4.75	10
	AS 29212	2 1/8" ID	5.25	10
	AS 29312	3 1/8" ID	6.25	10

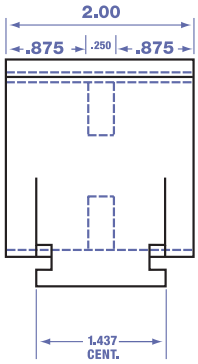
KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH NON METALLIC STRUT CLAMP

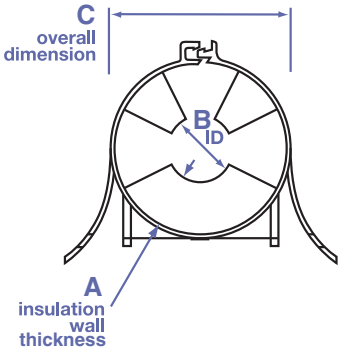
FOR USE WITH ELASTORMIC INSULATION

Klo-Shure® lock top Strut Mounted parts include the Klo-Shure® Coupling halves with non metal clamps. Used by permission.
Approvals: UL 2043 Fire Test for Heat and Visible Smoke Release • 25/50 Flame Spread/Smoke Development Index









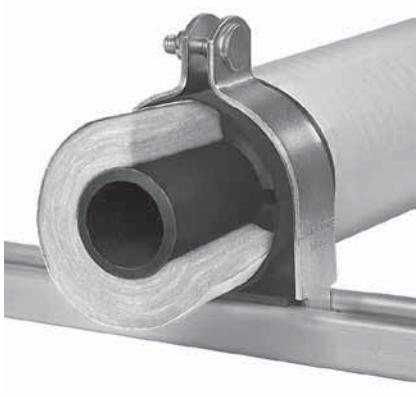
NOTE:
Klo-Shure® ID equals copper tube OD. Chart indicates coupling sizes currently available from Klo-Shure®. Service Temperature –65°F to 275°F.

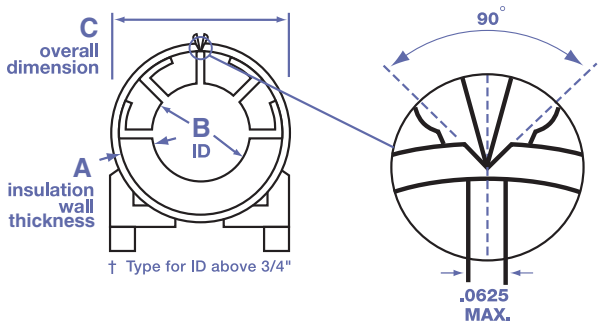
A		B	C	
	Part No.	Klo-Shure ID – Tube OD	Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling (Non Metallic) for 1/2" wall insulation	AS 4050-PC	1/2" ID	1.62	25
	AS 4062-PC	5/8" ID	1.75	25
	AS 4087-PC	7/8" ID	2.00	25
	AS 4112-PC	1 1/8" ID	2.25	25
	AS 4137-PC	1 3/8" ID	2.50	25
	AS 4162-PC	1 5/8" ID	2.75	25
	AS 4212-PC	2 1/8" ID	3.25	25
Klo-Shure Strut Mounted Coupling (Non Metallic) for 3/4" wall insulation	AS 6062-PC	5/8" ID	2.25	25
	AS 6087-PC	7/8" ID	2.50	25
	AS 6112-PC	1 1/8" ID	2.75	25
	AS 6137-PC	1 3/8" ID	3.00	25
Klo-Shure Strut Mounted Coupling (Non Metallic) for 1" wall insulation	AS 8087-PC	7/8" ID	3.00	25
	AS 8112-PC	1 1/8" ID	3.25	25
	AS 8137-PC	1 3/8" ID	3.50	25
	AS 8162-PC	1 5/8" ID	3.75	25
	AS 8212-PC	2 1/8" ID	4.25	25
	AS 8262-PC	2 5/8" ID	4.75	25

NEW 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. Used by permission.
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			B	C	
	Part No.	Nominal Steel Pipe Size	Klo-Shure ID NPS OD	Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	AS 4084-FGI	1/2"	0.84" ID	2.025	20
	AS 4105-FGI	3/4"	1.05" ID	2.285	20
	AS 4131-FGI	1"	1.315" ID	2.500	10
	AS 4166-FGI	1 1/4"	1.66" ID	2.845	10
	AS 4190-FGI	1 1/2"	1.90" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	AS 8084-FGI	1/2"	0.84" ID	3.008	10
	AS 8105-FGI	3/4"	1.05" ID	3.008	10
	AS 8131-FGI	1"	1.315" ID	3.638	10
	AS 8166-FGI	1 1/4"	1.66" ID	3.638	10
	AS 8190-FGI	1 1/2"	1.90" ID	4.138	10
	AS 8237-FGI	2"	2.375" ID	4.648	10
	AS 8287-FGI	2 1/2"	2.875" ID	5.138	10
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	AS 9084-FGI	1/2"	0.84" ID	4.138	10
	AS 9105-FGI	3/4"	1.05" ID	4.138	10
	AS 9131-FGI	1"	1.315" ID	4.648	10
	AS 9166-FGI	1 1/4"	1.66" ID	5.138	10
	AS 9190-FGI	1 1/2"	1.90" ID	5.138	10

A		B	C	
	Part No.	Klo-Shure ID Tube OD	Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	AS 4062-FGI	5/8" ID	1.785	20
	AS 4087-FGI	7/8" ID	2.025	20
	AS 4112-FGI	1 1/8" ID	2.285	20
	AS 4137-FGI	1 3/8" ID	2.500	10
	AS 4162-FGI	1 5/8" ID	2.845	10
	AS 4212-FGI	2 1/8" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	AS 8062-FGI	5/8" ID	3.008	10
	AS 8087-FGI	7/8" ID	3.008	10
	AS 8112-FGI	1 1/8" ID	3.008	10
	AS 8137-FGI	1 3/8" ID	3.638	10
	AS 8162-FGI	1 5/8" ID	3.638	10
	AS 8212-FGI	2 1/8" ID	4.138	10
	AS 8262-FGI	2 5/8" ID	4.648	10
	AS 8312-FGI	3 1/8" ID	5.138	10
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	AS 9087-FGI	7/8" ID	3.008	10
	AS 9112-FGI	1 1/8" ID	4.138	10
	AS 9137-FGI	1 3/8" ID	4.648	10
	AS 9162-FGI	1 5/8" ID	4.648	10
	AS 9212-FGI	2 1/8" ID	5.138	10

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

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

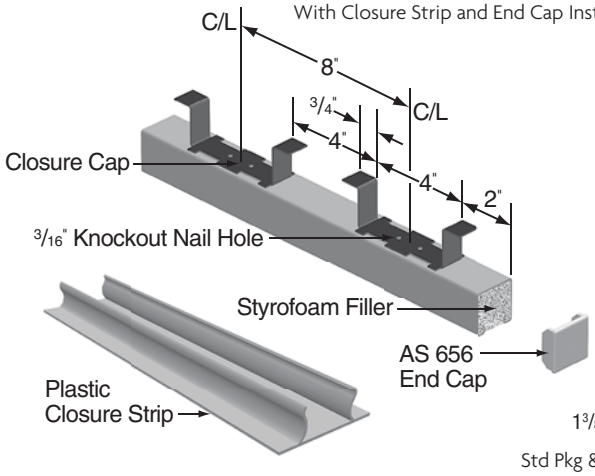
LIGHT WEIGHT CONCRETE INSERT

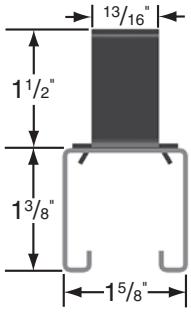
For additional information, please refer to the Anvil Pipe Hanger Catalog.

AS 349 **PL, PG**

CONTINUOUS CONCRETE INSERT

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





1 3/8" x 1 5/8" x 12 Ga. Channel.

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

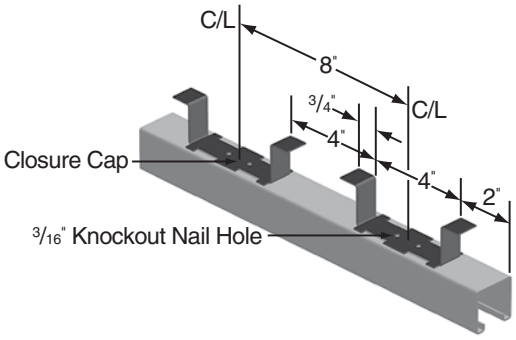
Part No.	End Cap	Std Pkg	Wt/100 pcs
AS 349 CS/EC 10	A	400	180
AS 349 CS/EC 20	A	800	180
AS 349 F/EC 10	A	400	188
AS 349 FS/EC 20	A	800	188

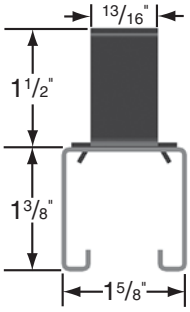
Load Rating 2000 lbs. Per 12" Section, Based Upon Concrete Compressive Strength of 2500–3000 PSI. Custom lengths available upon request.

AS 349 **PL, PG**

CONTINUOUS CONCRETE INSERT

Without Closure Strip and End Cap.





1 3/8" x 1 5/8" x 12 Ga. Channel.

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

Part No.	Std Pkg	Wt/100 pcs
AS 349 W/O 10	400	178
AS 349 W/O 20	800	178

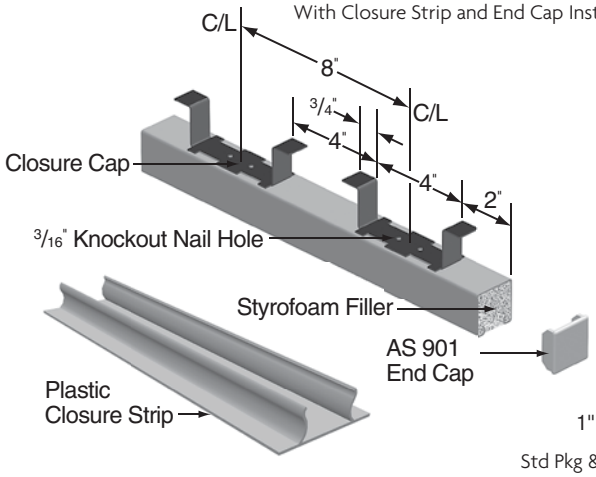
Load Rating 2000 lbs. Per 12" Section, Based Upon Concrete Compressive Strength of 2500–3000 PSI. Custom lengths available upon request.

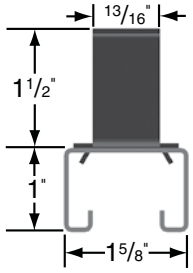
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 449 PL, PG

CONTINUOUS CONCRETE INSERT

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





1" x 1⅝"" x 12 Ga. Channel.

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

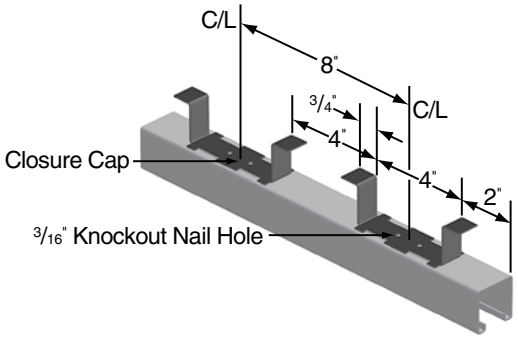
Part No.	End Cap	Std Pkg	Wt/100 pcs
AS 449 CS/EC 10	A	400	152
AS 449 CS/EC 20	A	800	152
AS 449 F/EC 10	A	400	162
AS 449 FS/EC 20	A	800	165

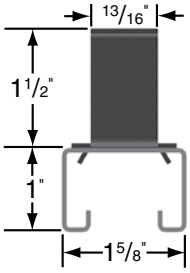
Load Rating 2000 lbs. Per 12" Section, Based Upon Concrete Compressive Strength of 2500–3000 PSI. Custom lengths available upon request.

AS 449 PL, PG

CONTINUOUS CONCRETE INSERT

Without Closure Strip and End Cap.





1" x 1⅝" x 12 Ga. Channel.

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

Part No.	Std Pkg	Wt/100 pcs
AS 449 W/O 10	400	151
AS 449 W/O 20	800	151

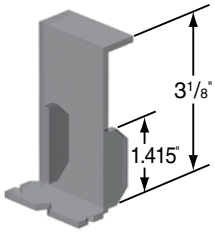
Load Rating 2000 lbs. Per 12" Section, Based Upon Concrete Compressive Strength of 2500–3000 PSI. Custom lengths available upon request.

AS 653 PG

TYPE "B" END CAP ANCHOR

Use With AS 349 Insert.

For installations of strut concrete inserts with a free end dimension greater than 2".



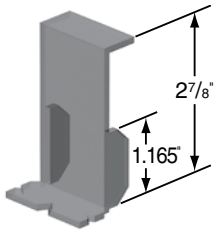
Std Pkg: 100 · Wt/100 pcs: 14 lbs.

AS 654 PG

TYPE "B" END CAP ANCHOR

Use With AS 449 Insert.

For installations of strut concrete inserts with a free end dimension greater than 2".



Std Pkg: 50 · Wt/100 pcs: 12 lbs.

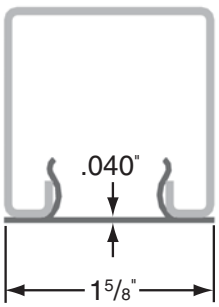
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 6151 **PL**

PLASTIC CLOSURE STRIP

Use With All Continuous Inserts 10 Ft. Length.

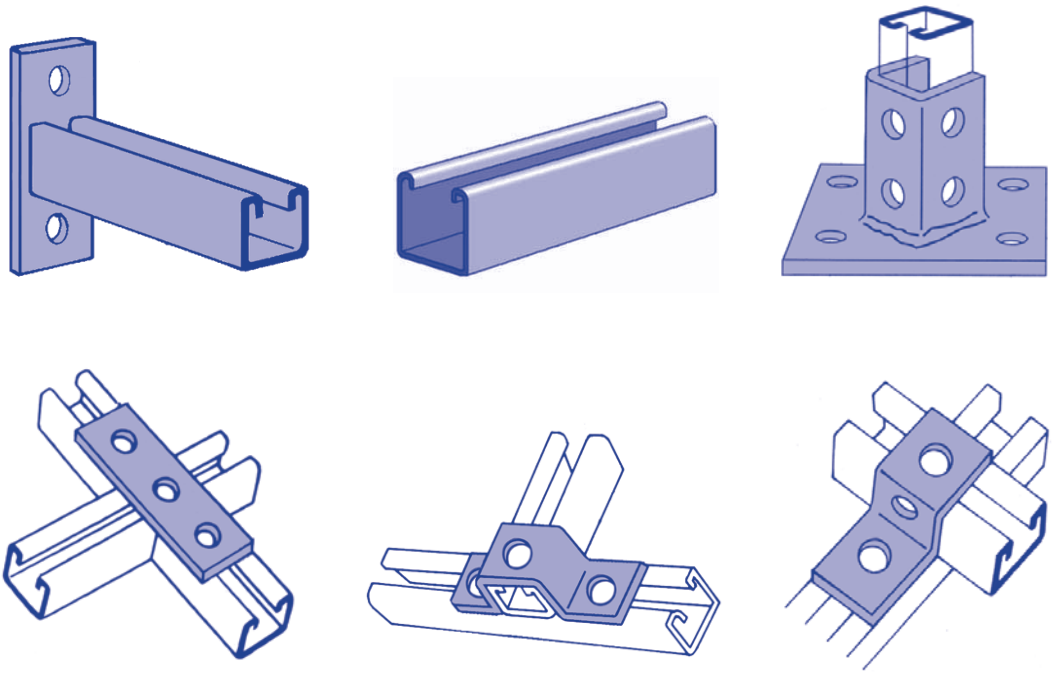
Available in:
White – Heavy Duty and Light Duty
Black – Light Duty Only
Green – Light Duty Only



Std Pkg: 100 · Wt/100 pcs: 47 lbs.

SPECIALTY STRUT CHANNELS & ACCESSORIES

Stainless Steel · Zinc Trivalent Chromium · Hot Dipped Galvanized



Due to the volatile nature of the products listed in the "Specialty Strut" Section, prices are subject to change without notice. Contact your local Anvil Representative or local Anvil office for current list price.

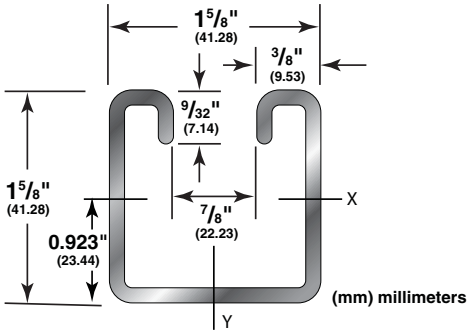
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 200 SS
1⅝" x 1⅝"

12 Gauge Channel — wt./100 ft. - 194#

Stocked in 304 Stainless Steel, in both 10 and 20 ft. lengths.

*316 Stainless Steel available upon request.



PROPERTIES OF SECTION

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

	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 SS	1.94	0.88	0.544	3.510	0.180	7.492	0.195	3.195	0.575	1.461	0.233	9.698	0.287	4.703	0.655	1.664
AS 200BTB SS	3.88	1.76	1.088	7.019	0.896	37.294	0.570	9.341	0.908	2.306	0.466	19.396	0.574	9.406	0.655	1.664

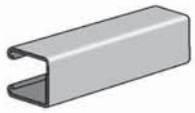
AS 200 SS BEAM AND COLUMN LOADS

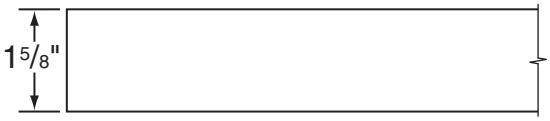
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ l/240		Uniform Load @ l/360	
In	mm		Lbs	kg	Lbs	kg	In	mm	Lbs	kg	Lbs	kg
12	305	AS 200 SS	7,109	3,225	3,249	1,474	0.014	0.356	**	**	**	**
		AS 200 BTB SS	14,862	6,741	2,610 ***	1,184	0.008	0.203	**	**	**	**
18	457	AS 200 SS	6,549	2,971	2,166	982	0.031	0.787	**	**	**	**
		AS 200 BTB SS	14,402	6,533	2,610 ***	1,184	0.018	0.457	**	**	**	**
24	610	AS 200 SS	5,938	2,693	1,625	737	0.055	1.397	**	**	**	**
		AS 200 BTB SS	13,919	6,314	2,610 ***	1,184	0.032	0.813	**	**	**	**
30	762	AS 200 SS	5,337	2,421	1,300	590	0.086	2.184	**	**	1,257	570
		AS 200 BTB SS	13,473	6,111	2,610 ***	1,184	0.050	1.270	**	**	**	**
36	914	AS 200 SS	4,771	2,164	1,083	481	0.124	3.150	**	**	873	396
		AS 200 BTB SS	13,090	5,938	2,610 ***	1,184	0.072	1.829	**	**	**	**
42	1,067	AS 200 SS	4,242	1,924	928	421	0.169	4.293	**	**	641	291
		AS 200 BTB SS	12,771	5,793	2,610 ***	1,184	0.099	2.515	**	**	**	**
48	1,219	AS 200 SS	3,745	1,699	812	368	0.220	5.588	737	334	491	223
		AS 200 BTB SS	12,511	5,675	1,374	623	0.129	3.277	**	**	**	**
60	1,524	AS 200 SS	3,012	1,366	650	295	0.344	8.738	471	214	314	142
		AS 200 BTB SS	11,685	5,300	1,899	861	0.202	5.131	**	**	1,566	710
72	1,829	AS 200 SS	2,514	1,140	542	246	0.496	12.598	327	148	218	99
		AS 200 BTB SS	10,078	4,571	1,582	718	0.291	7.391	**	**	1,087	493
84	2,134	AS 200 SS	2,136	969	464	210	0.675	17.145	240	109	160	73
		AS 200 BTB SS	8,180	3,710	1,356	615	0.396	10.058	1,199	544	799	362
96	2,438	AS 200 SS	1,834	832	406	184	0.882	22.403	184	83	123	56
		AS 200 BTB SS	6,291	2,854	1,187	538	0.517	13.132	917	416	611	277
108	2,743	AS 200 SS	1,585	719	361	164	1.116	28.346	145	66	97	44
		AS 200 BTB SS	4,971	2,255	1,055	479	0.655	16.657	725	329	483	219
120	3,048	AS 200 SS	*	*	325	147	1.378	35.001	117	53	78	35
		AS 200 BTB SS	4,026	1,826	949	430	0.808	20.523	587	266	391	177
180	4,572	AS 200 SS	*	*	217	98	3.099	78.715	52	24	35	16
		AS 200 BTB SS	*	*	633	287	1.819	46.203	261	118	174	79
240	6,096	AS 200 SS	*	*	163	74	5.510	139.954	29	13	19	9
		AS 200 BTB SS	*	*	474	215	3.233	82.118	147	67	98	44

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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

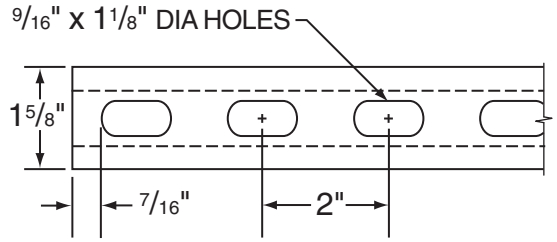
AS 200	SS, ZTC, HG
SOLID	





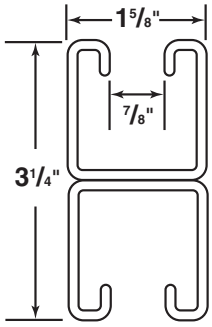
Wt/100 Ft: 190 lbs.

AS 200EH	SS, ZTC, HG
WITH ELONGATED HOLES	



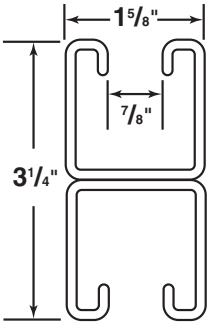
Wt/100 Ft: 185 lbs.

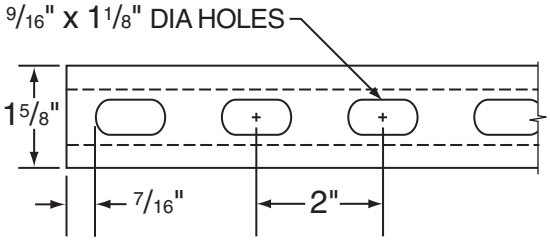
AS 200BTB	SS, ZTC, HG
WELDED	



Wt/100 Ft: 380 lbs.

AS 200EH BTB	SS, ZTC, HG
WELDED WITH ELONGATED HOLES	





Wt/100 Ft: 380 lbs.

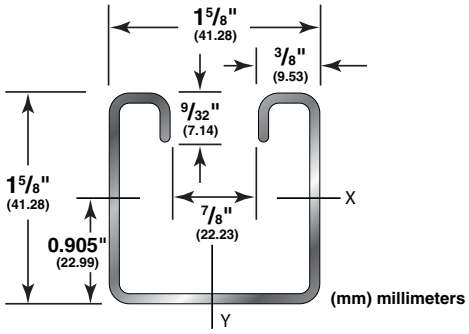
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

AS 210 SS
1 5/8" x 1 5/8"

14 Gauge Channel — wt./100 ft. - 145#

Stocked in 304 Stainless Steel, in both 10 and 20 ft. lengths.

*316 Stainless Steel available upon request.



PROPERTIES OF SECTION

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

	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 SS	1.45	0.66	0.407	2.626	0.143	5.952	0.158	2.589	0.593	1.506	0.179	7.451	0.221	3.622	0.664	1.687
AS 210BTB SS	2.90	1.32	0.814	5.252	0.706	29.386	0.445	7.292	0.931	2.365	0.359	14.943	0.441	7.227	0.664	1.687

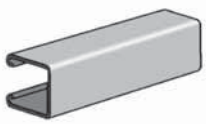
AS 210 SS BEAM AND COLUMN LOADS

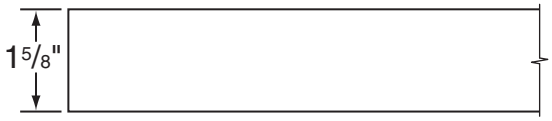
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 210 SS	5,548	2,517	2,631	1,193	0.014	0.356	**	**	**	**
		AS 210 BTB SS	11,600	5,262	1,750 ***	794	0.008	0.203	**	**	**	**
18	457	AS 210 SS	5,066	2,298	1,754	796	0.032	0.813	**	**	**	**
		AS 210 BTB SS	11,210	5,085	1,750 ***	794	0.018	0.457	**	**	**	**
24	610	AS 210 SS	4,473	2,029	1,316	597	0.056	1.422	**	**	**	**
		AS 210 BTB SS	10,738	4,871	1,750 ***	794	0.032	0.813	**	**	**	**
30	762	AS 210 SS	3,817	1,731	1,052	477	0.088	2.235	**	**	1,001	454
		AS 210 BTB SS	10,230	4,640	1,750 ***	794	0.050	1.270	**	**	**	**
36	914	AS 210 SS	3,141	1,425	877	398	0.126	3.200	**	**	695	315
		AS 210 BTB SS	9,722	4,410	1,750 ***	794	0.072	1.829	**	**	**	**
42	1,067	AS 210 SS	2,546	1,155	752	341	0.172	4.369	**	**	511	232
		AS 210 BTB SS	9,239	4,191	1,750 ***	794	0.098	2.489	**	**	**	**
48	1,219	AS 210 SS	2,148	974	658	298	0.224	5.690	587	266	391	177
		AS 210 BTB SS	8,796	3,990	1,750 ***	794	0.128	3.251	**	**	**	**
60	1,524	AS 210 SS	1,659	753	526	239	0.350	8.890	376	171	250	113
		AS 210 BTB SS	8,046	3,650	1,482	672	0.200	5.080	**	**	1,234	560
72	1,829	AS 210 SS	1,370	621	439	199	0.504	12.802	261	118	174	79
		AS 210 BTB SS	7,466	3,387	1,235	560	0.288	7.315	**	**	857	389
84	2,134	AS 210 SS	1,174	533	376	171	0.687	17.450	192	87	128	58
		AS 210 BTB SS	6,528	2,961	1,058	480	0.392	9.957	944	428	629	285
96	2,438	AS 210 SS	1,028	466	329	149	0.897	22.784	147	67	98	44
		AS 210 BTB SS	5,042	2,287	926	420	0.512	13.005	723	328	482	219
108	2,743	AS 210 SS	911	413	292	132	1.135	28.829	116	53	77	35
		AS 210 BTB SS	3,983	1,807	823	373	0.649	16.485	571	259	381	173
120	3,048	AS 210 SS	*	*	263	119	1.401	35.585	94	43	63	29
		AS 210 BTB SS	3,227	1,464	741	336	0.801	20.345	463	210	308	140
180	4,572	AS 210 SS	*	*	175	79	3.153	80.086	42	19	28	13
		AS 210 BTB SS	1,434	650	494	224	1.802	45.771	206	93	137	62
240	6,096	AS 210 SS	*	*	132	60	5.605	142.367	23	10	16	7
		AS 210 BTB SS	*	*	370	168	3.203	81.356	116	53	77	35

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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

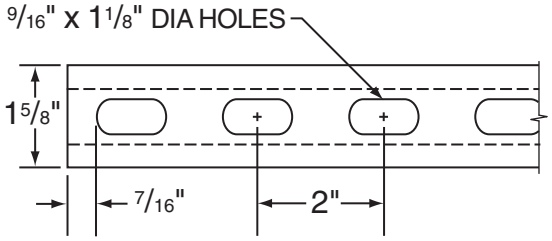
AS 210	SS, ZTC, HG
SOLID	





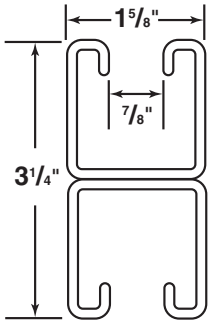
Wt/100 Ft: 141 lbs.

AS 210EH	SS, ZTC, HG
WITH ELONGATED HOLES	



Wt/100 Ft: 137 lbs.

AS 210BTB	SS, ZTC, HG
WELDED	



Wt/100 Ft: 282 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

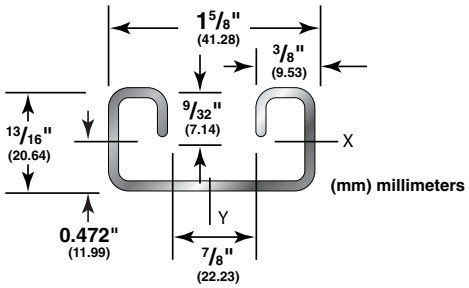
AS 500 SS

$^{13}/_{16}$" x $1^{5}/_{8}$"

14 Gauge Channel — wt./100 ft. - 103#

Stocked in 304 Stainless Steel, in both 10 and 20 ft. lengths.

*316 Stainless Steel available upon request.



PROPERTIES OF SECTION

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

	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 SS	1.03	0.47	0.286	1.845	0.025	1.041	0.053	0.869	0.298	0.757	0.106	4.412	0.131	2.147	0.610	1.549
AS 500BTB SS	2.06	0.93	0.571	3.684	0.115	4.787	0.149	2.442	0.449	1.140	0.213	8.866	0.262	4.293	0.610	1.549

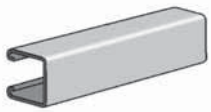
AS 500 SS BEAM AND COLUMN LOADS

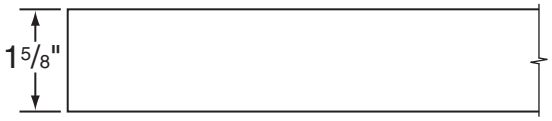
Span or Column		Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.		Static Beam Load (X-X Axis)							
					Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm²)		Deflection @ 25,000 PSI (1758 Kg/cm²)		Uniform Load @ $^{l}/_{240}$		Uniform Load @ $^{l}/_{360}$	
In	*mm*		*Lbs*	*kg*	*Lbs*	*kg*	*In*	*mm*	*Lbs*	*kg*	*Lbs*	*kg*
12	305	AS 500 SS	3,598	1,632	887	402	0.027	0.686	**	**	**	**
		AS 500 BTB SS	7,434	3,372	870 ***	395	0.016	0.406	**	**	**	**
18	457	AS 500 SS	3,340	1,515	591	268	0.060	1.524	**	**	493	224
		AS 500 BTB SS	7,140	3,239	870 ***	395	0.037	0.940	**	**	**	**
24	610	AS 500 SS	3,086	1,400	444	201	0.106	2.692	416	189	277	126
		AS 500 BTB SS	6,867	3,115	870 ***	395	0.066	1.676	**	**	**	**
30	762	AS 500 SS	2,854	1,295	355	161	0.166	4.216	266	121	177	80
		AS 500 BTB SS	6,642	3,013	870 ***	395	0.102	2.591	**	**	806	366
36	914	AS 500 SS	2,645	1,200	296	134	0.240	6.096	185	84	123	56
		AS 500 BTB SS	6,466	2,933	826	375	0.147	3.734	**	**	559	254
42	1,067	AS 500 SS	2,449	1,111	254	115	0.327	8.306	136	62	91	41
		AS 500 BTB SS	6,331	2,872	708	321	0.201	5.105	617	280	411	186
48	1,219	AS 500 SS	2,259	1,025	222	101	0.427	10.846	104	47	69	31
		AS 500 BTB SS	6,228	2,825	619	281	0.262	6.655	472	214	315	143
60	1,524	AS 500 SS	*	*	177	80	0.667	16.942	66	30	44	20
		AS 500 BTB SS	5,648	2,562	496	225	0.410	10.414	302	137	201	91
72	1,829	AS 500 SS	*	*	148	67	0.960	24.384	46	21	31	14
		AS 500 BTB SS	4,711	2,137	413	187	0.590	14.986	210	95	140	64
84	2,134	AS 500 SS	*	*	127	58	1.037	26.340	34	15	23	10
		AS 500 BTB SS	3,623	1,643	354	161	0.803	20.396	154	70	103	47
96	2,438	AS 500 SS	*	*	111	50	1.707	43.358	26	12	17	8
		AS 500 BTB SS	*	*	310	141	1.049	26.645	118	54	79	36
108	2,743	AS 500 SS	*	*	99	45	2.160	54.864	21	10	14	6
		AS 500 BTB SS	*	*	275	125	1.328	33.731	93	42	62	28
120	3,048	AS 500 SS	*	*	89	40	2.668	67.767	17	8	11	5
		AS 500 BTB SS	*	*	248	112	1.640	41.656	76	34	51	23
180	4,572	AS 500 SS	*	*	59	27	6.003	152.476	7	3	5	2
		AS 500 BTB SS	*	*	165	75	3.689	93.701	34	15	23	10
240	6,096	AS 500 SS	*	*	44	20	10.672	271.069	4	2	3	1
		AS 500 BTB SS	*	*	124	56	6.560	166.624	19	9	13	6

For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

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

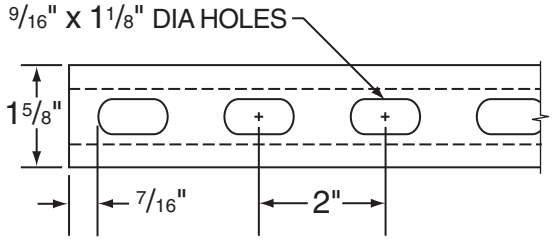
AS 500	SS, ZTC, HG
SOLID	





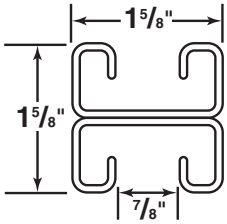
Wt/100 Ft: 97 lbs.

AS 500EH	SS, ZTC, HG
WITH ELONGATED HOLES	



Wt/100 Ft: 87 lbs.

AS 500BTB	SS, ZTC, HG
WELDED	



Wt/100 Ft: 194 lbs.

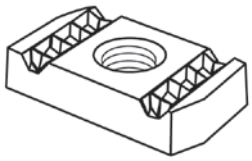
LEGEND:
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
For Load Rating, see page 94.

AS NS **SS** (Type 316), **ZTC; HG** (Available upon request.)

CLAMPING NUT WITHOUT SPRING

Use With All 1 5/8" Wide Channel.

Size	Wt/100 pcs
1/4" x 20	6.6
3/8" x 16	9.3
1/2" x 13	11.4
5/8" x 11	15.2

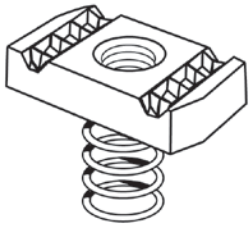


Std Pkg: 100 · Wt/100 pcs: See chart above.

AS RS **SS** (Type 316), **ZTC; HG** (Available upon request.)

CLAMPING NUT WITH REGULAR SPRING

Use With AS 200, AS 210 and AS 300 Channel.

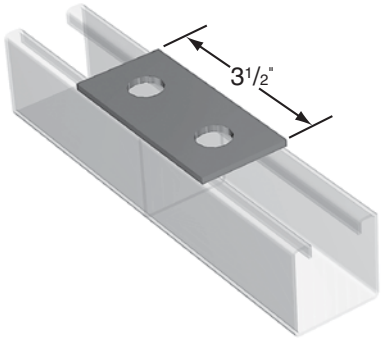


Size	Wt/100 pcs
1/4" x 20	7.1
3/8" x 16	9.9
1/2" x 13	11.9
5/8" x 11	15.5
3/4" x 10	13.8

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

AS 601 **ZTC**

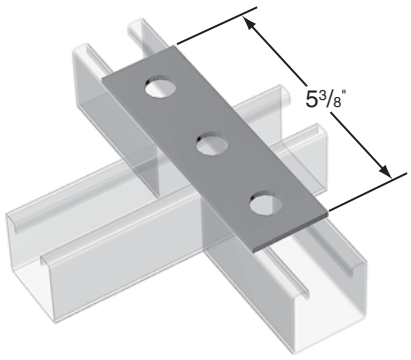
TWO HOLE SPLICE PLATE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 602 **ZTC**

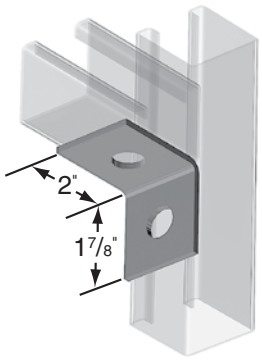
THREE HOLES PLICE PLATE



Std Pkg: 25 · Wt/100 pcs: 50 lbs.

AS 603 **ZTC**

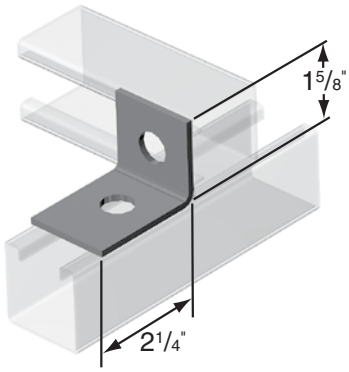
TWO HOLE END ANGLE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 604 **ZTC**

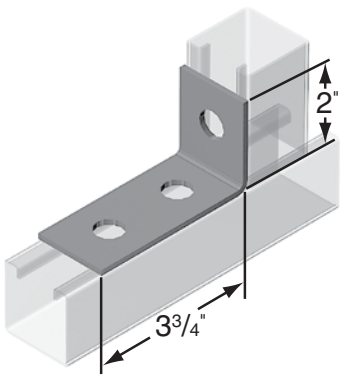
TWO HOLE CORNER ANGLE



Std Pkg: 50 · Wt/100 pcs: 38 lbs.

AS 605 **ZTC**

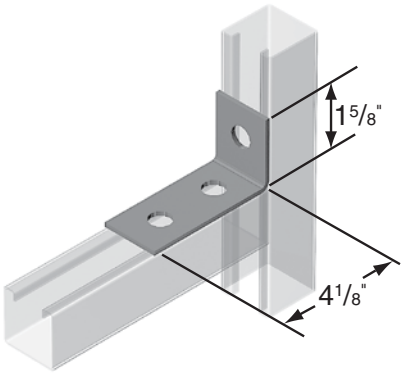
THREE HOLE CORNER ANGLE



Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 606 **ZTC**

THREE HOLE CORNER ANGLE

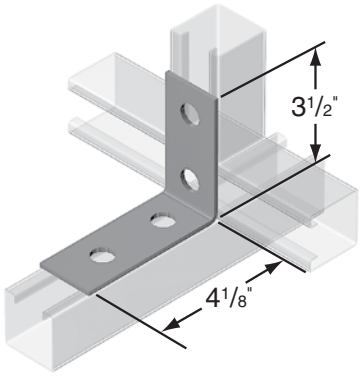


Std Pkg: 25 · Wt/100 pcs: 58 lbs.

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
For Load Rating, see page 94.

AS 607 ZTC

FOUR HOLE CORNER ANGLE

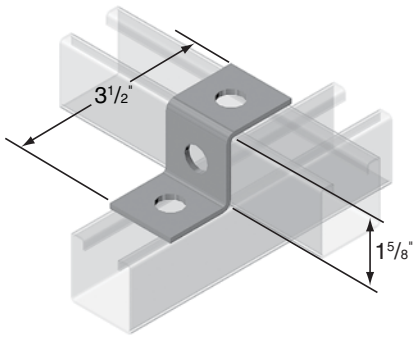


Std Pkg: 25 · Wt/100 pcs: 78 lbs.

AS 611 ZTC

"Z" SUPPORT

Use With AS 200, AS 210, and AS 500BTB.

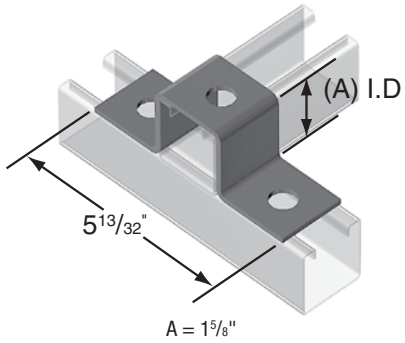


Std Pkg: 50 · Wt/100 pcs: 55 lbs.

AS 613 ZTC

"U" SUPPORT

Use With AS 200, AS 210, and AS 500BTB.

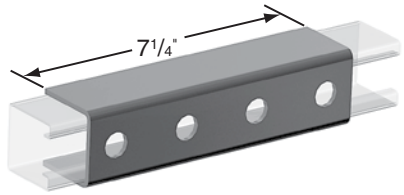


Std Pkg: 25 · Wt/100 pcs: 88 lbs.

AS 616 ZTC

FOUR HOLE SPLICE CLEVIS

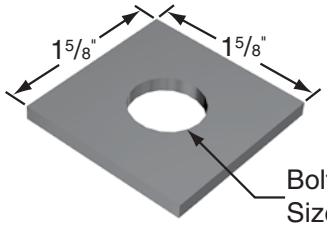
Use With AS 200 and AS 210.



Std Pkg: 10 · Wt/100 pcs: 265 lbs.

AS 619 SS (Type 304), ZTC

SQUARE WASHER

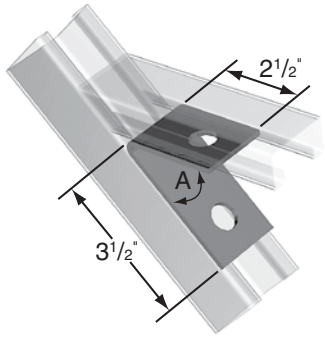


A	Wt/100 pcs
3/8"	18
1/2"	17
5/8"	16
3/4"	15

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

AS 624 ZTC

TWO HOLE CLOSED ANGLE CONNECTOR

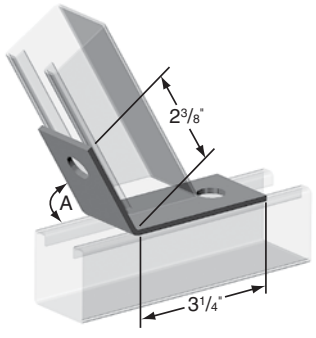


Angle A = 45°

Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 633 ZTC

TWO HOLE OPEN ANGLE CONNECTOR

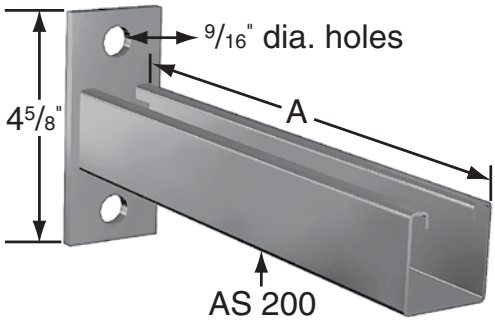


Angle A = 45°

Std Pkg: 25 · Wt/100 pcs: 58 lbs.

AS 651 ZTC

REVERSIBLE STRUT BRACKET



A	Uniform Load* (Lbs)	Conc. Load at End (Lbs)	Wt/100 pcs
12"	600	235	293
18"	400	165	401
24"	300	125	509

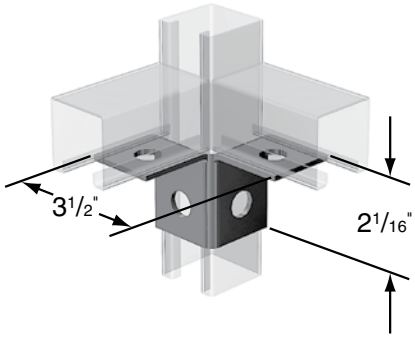
* Mounted on 12 Ga. Channel

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
For Load Rating, see page 94.

AS 665 ZTC

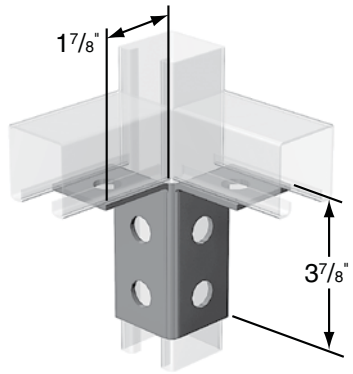
FOUR HOLE DOUBLE CORNER CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 76 lbs.

AS 666 ZTC

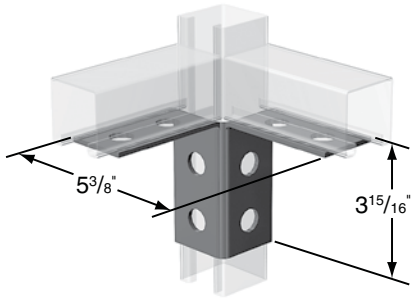
SIX HOLE DOUBLE CORNER CONNECTOR



Std Pkg: 25 · Wt/100 pcs: 115 lbs.

AS 667 ZTC

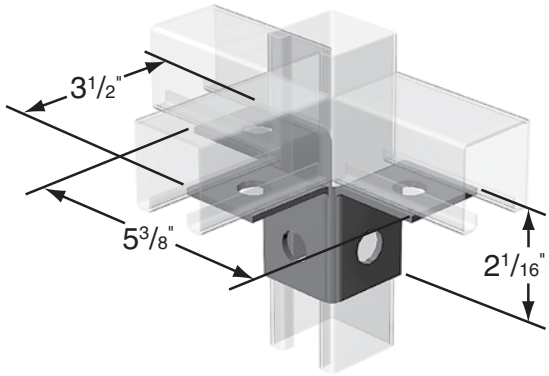
EIGHT HOLE DOUBLE CORNER CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 155 lbs.

AS 668 ZTC

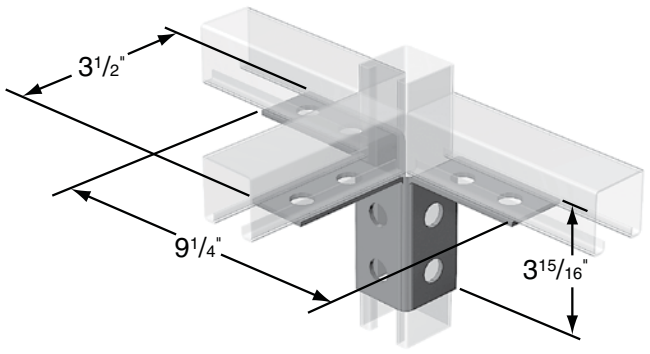
SIX HOLE THREE ANGLE CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 113 lbs.

AS 669 ZTC

TWELVE HOLE THREE ANGLE CLEVIS CONNECTOR

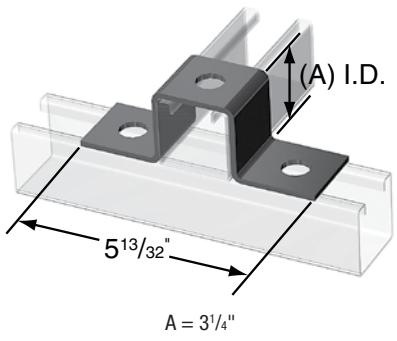


Std Pkg: 10 · Wt/100 pcs: 230 lbs.

AS 679 ZTC

"U" SUPPORT

Use For AS 100, AS 200BTB, AS 210BTB.

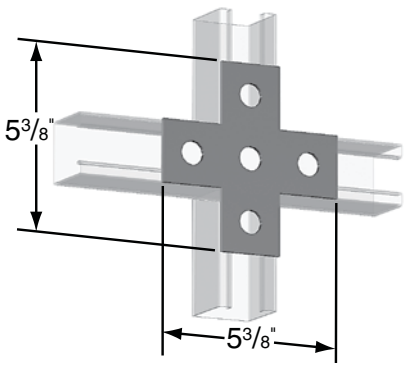


A = 3 1/4"

Std Pkg: 25 · Wt/100 pcs: 128 lbs.

AS 712 ZTC

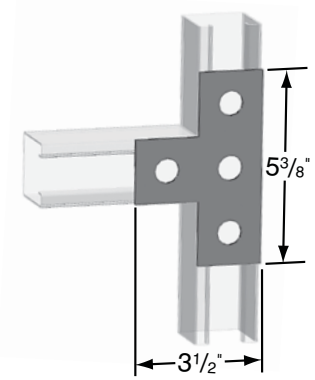
CROSS PLATE



Std Pkg: 10 · Wt/100 pcs: 105 lbs.

AS 714 ZTC

"T" PLATE

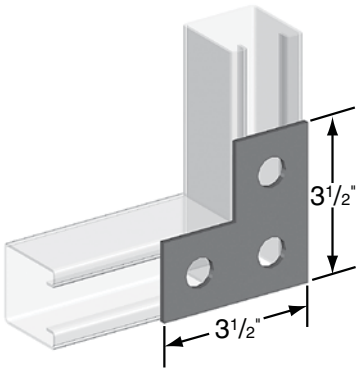


Std Pkg: 25 · Wt/100 pcs: 80 lbs.

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
For Load Rating, see page 94.

AS 718 ZTC

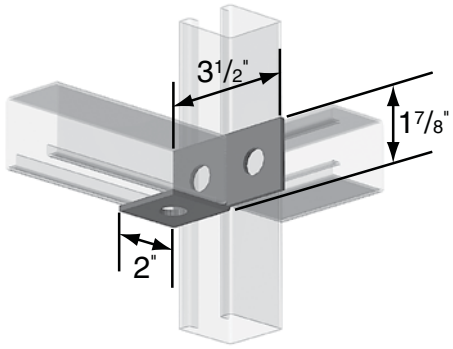
FLAT ANGLE PLATE



Std Pkg: 50 · Wt/100 pcs: 58 lbs.

AS 720 ZTC

RH & LH ANGLE PLATE CONNECTOR

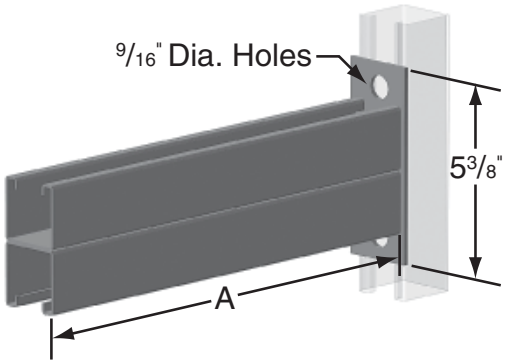


When ordering, specify RH or LH.

Std Pkg: 25 · Wt/100 pcs: 55 lbs.

AS 809 ZTC

DOUBLE CHANNEL BRACKET



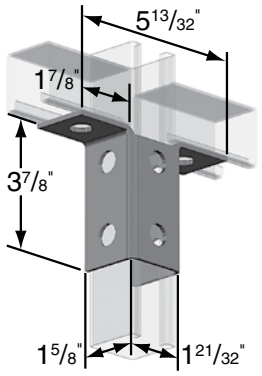
A	Uniform Load* (Lbs)	Conc. Load at End (Lbs)	Wt/100 pcs
12"	2000	310	502
18"	1300	250	692
24"	1000	185	882

* Mounted on 12 Ga. Channel

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

AS 821 ZTC

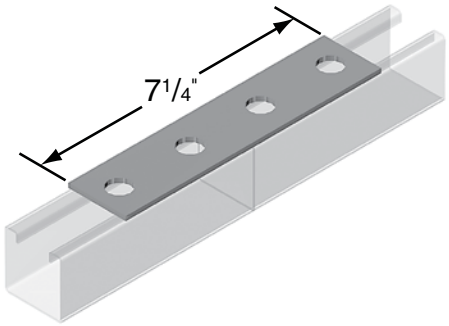
EIGHT HOLE DOUBLE ANGLE CONNECTOR



Std Pkg: 10 · Wt/100 pcs: 150 lbs.

AS 888 ZTC

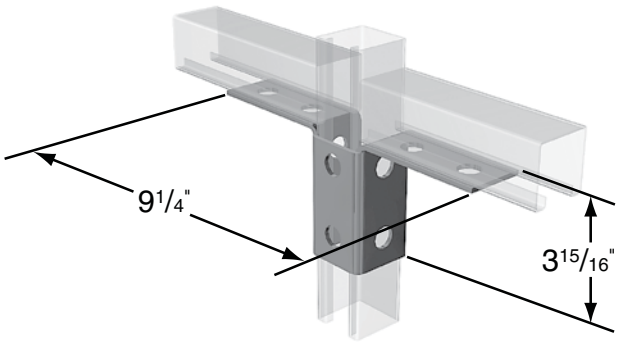
FOUR HOLE SPLICE PLATE



Std Pkg: 25 · Wt/100 pcs: 78 lbs.

AS 913 ZTC

TEN HOLE TWO ANGLE CLEVIS CONNECTOR

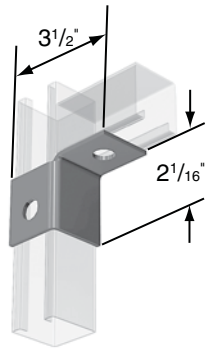


Std Pkg: 10 · Wt/100 pcs: 193 lbs.

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
For Load Rating, see page 94.

AS 922 ZTC

RH & LH TWO HOLE SINGLE CORNER ANGLE CONNECTOR

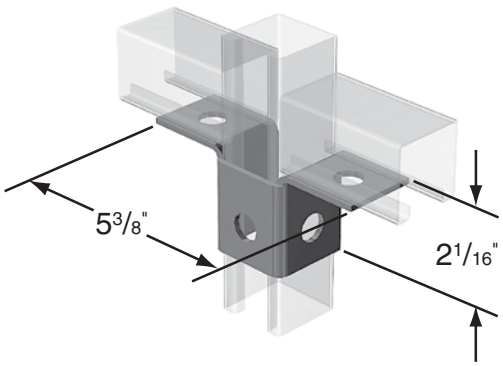


When ordering, specify RH or LH.

Std Pkg: 20 · Wt/100 pcs: 60 lbs.

AS 923 ZTC

FIVE HOLE TWO ANGLE CONNECTOR

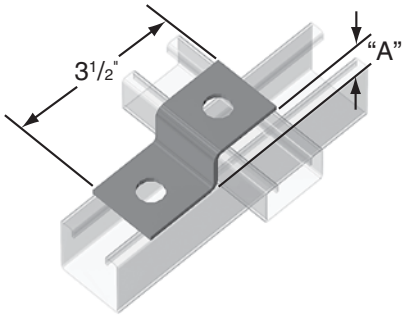


Std Pkg: 25 · Wt/100 pcs: 93 lbs.

AS 928 ZTC

"Z" SUPPORT

Use For AS 500 and AS 520.



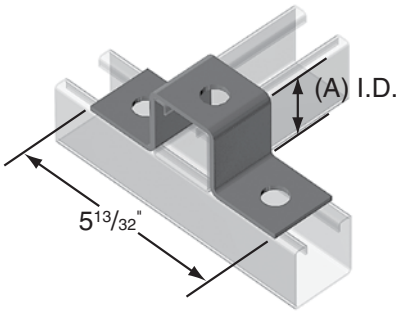
A = 13/16"

Std Pkg: 50 · Wt/100 pcs: 47 lbs.

AS 929 ZTC

"U" SUPPORT

Use With AS 500 and AS 520.



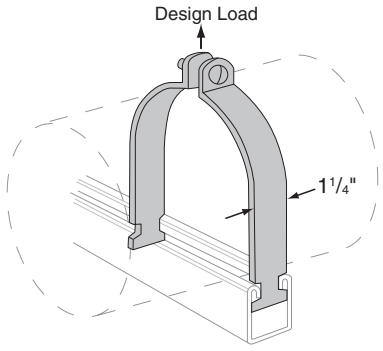
A = 13/16"

Std Pkg: 25 · Wt/100 pcs: 71 lbs.

AS 1100 **SS** (Type 304), **ZTC; HG & AL** (Available upon request.)

RIGID STEEL CONDUIT & PIPE CLAMPS PRE-ASSEMBLED

Also For IMC and GRC.



Size	O.D. Size	Load Rating	Std Pkg	Wt/100 pcs
1/2"	0.840	400	100	11
3/4"	1.050	600	100	15
1"	1.315	600	100	17
1 1/4"	1.660	600	100	19
1 1/2"	1.900	800	50	29
2"	2.375	800	50	34
2 1/2"	2.875	800	50	40
3"	3.500	800	50	47
3 1/2"	4.000	1000	25	62
4"	4.500	1000	25	67
5"	5.563	1000	25	80
6"	6.625	1000	25	102
8"	8.625	1000	25	130
10"	10.750	1000	10	143

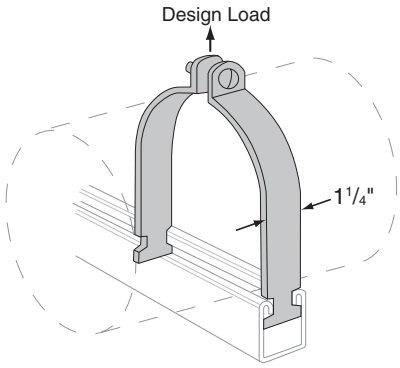
All sizes offered in pre-assembled only.

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
For Load Rating, see page 94.

AS 1200 **SS** (Type 304), **ZTC**

O.D. TUBING CLAMP PRE-ASSEMBLED



Size	Tube Size	Load Rating	Std Pkg	Wt/100 pcs
1/4"	1/8"	400	100	8
3/8"	1/4"	400	100	8
1/2"	3/8"	400	100	9
5/8"	1/2"	400	100	10
3/4"	5/8"	400	100	11
7/8"	3/4"	400	100	12
1"	7/8"	600	100	14
1 1/8"	1"	600	100	15
1 1/4"	1 1/8"	600	100	16
1 3/8"	1 1/4"	600	100	17
1 1/2"	1 3/8"	600	100	18
1 5/8"	1 1/2"	600	100	19
1 3/4"	1 5/8"	800	50	29
1 7/8"	1 3/4"	800	50	28
2"	1 7/8"	800	50	31
2 1/8"	2"	800	50	32
2 1/4"	2 1/8"	800	50	33
2 3/8"	2 1/4"	800	50	34
2 1/2"	2 3/8"	800	50	35
2 5/8"	2 1/2"	800	50	37
2 3/4"	2 5/8"	800	50	38
2 7/8"	2 3/4"	800	50	40
3"	2 7/8"	800	50	41
3 1/8"	3"	800	50	43
3 1/4"	3 1/8"	800	50	45
3 3/8"	3 1/4"	800	50	46
3 1/2"	3 3/8"	800	50	47
3 5/8"	3 1/2"	800	50	56
3 3/4"	3 5/8"	800	25	58
3 7/8"	3 3/4"	1000	25	60
4"	3 7/8"	1000	25	62
4 1/8"	4"	1000	25	62
4 1/4"	4 1/8"	1000	25	64
4 3/8"	4 1/4"	1000	25	66
4 1/2"	4 3/8"	1000	25	67

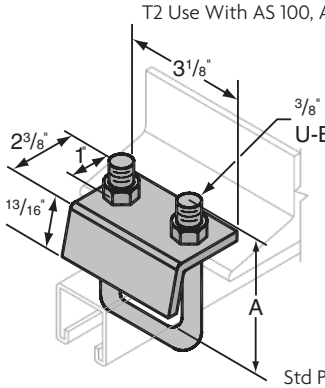
All sizes offered in pre-assembled only.

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

AS 2651 **ZTC**

BEAM CLAMP

T1 Use With AS 200, AS 210, AS 300, AS 400, AS 500, AS 520.
T2 Use With AS 100, AS 150, and AS 200BTB.



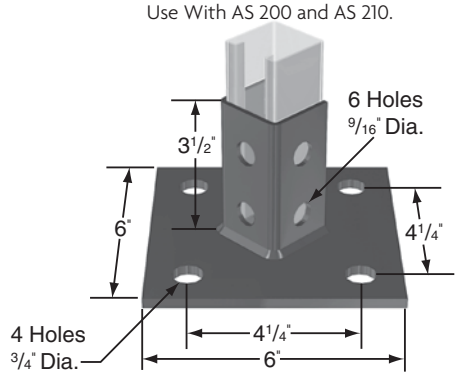
	A	Load Rating	Wt/100 pcs
AS 2651 T1	3 3/8"	1000	89
AS 2651 T2	5"	1000	92

Std Pkg: 25

AS 3033 **ZTC**

POST BASE

Use With AS 200 and AS 210.

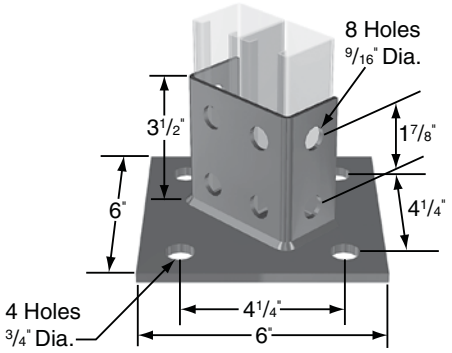


Std Pkg: 10 · Wt/100 pcs: 373 lbs.

AS 3064 **ZTC**

DOUBLE COLUMN POST BASE

Use With All 3 1/4" Channels.

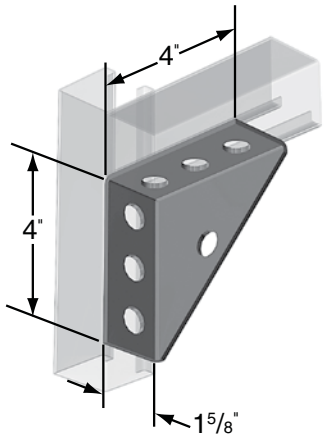


Std Pkg: 10 · Wt/100 pcs: 408 lbs.

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
For Load Rating, see page 94.

AS 3373 ZTC

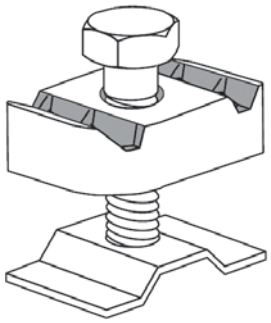
UNIVERSAL ANGLE BRACKET



Std Pkg: 25 · Wt/100 pcs: 134 lbs.

AS 3500 ZTC

SEISMIC ROD STIFFENER



Size = 3/8" -5/8"

Std Pkg: 25 · Wt/100 pcs: 16 lbs.

AS 815
(6" – 16" PIPE) DOUBLE ROLLER PIPE SUPPORT
Order Nuts and Bolts Separately.

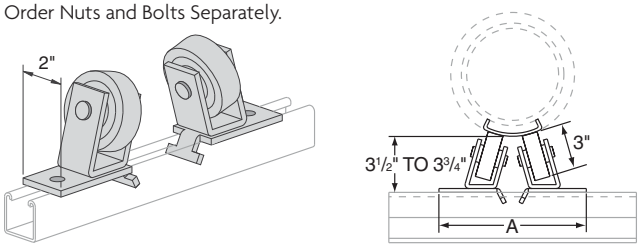


Chart for Dimension A							
Pipe Size	No Insulation	1"	1½"	2"	2½"	3"	4"
6"	9½"	10¼"	10½"	10¾"	11"	11⅜"	11⅞"
8"	10⅛"		11"	11⅜"	11¾"	12"	12½"
10"	10¾"		11⅝"	12"	12¼"	12½"	13"
12"	11¼"		12⅛"	12½"	12¾"	13"	13½"
14"	11⅝"		12½"	12⅞"	13"	13⅜"	14"
16"	12⅛"		13"	13⅜"	13⅞"	14"	14½"

AS 1901
(½" – 4" PIPE) PIPE ROLLER SUPPORT

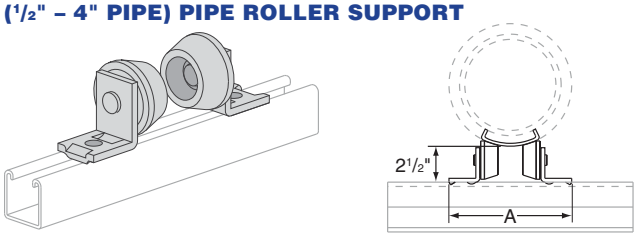


Chart for Dimension A							
Pipe Size	No Insulation	1"	1½"	2"	2½"	3"	4"
½"	6½"	6½"					
¾"	6½"	6½"	6⅝"	6⅞"			
1"	6½"	6½"	6⅝"	6⅞"			
1¼"	6½"	6½"	6⅞"	7⅛"	7⅜"		
1½"	6½"	6½"	6⅞"	7⅛"	7⅜"		
2"	6½"	6⅝"	7⅛"	7⅜"	7½"	8"	
2½"	6½"	6⅝"	7⅛"	7⅜"	7½"	8"	
3"	6½"	7"	7½"	7¾"	7⅞"	8⅛"	
3½"	6½"	7"	7½"	7¾"	7⅞"	8⅛"	
4"	6⅝"	7¼"	7⅝"	7⅞"	8"	8⅜"	9

AS 1902
(1" – 8" PIPE) PIPE ROLLER SUPPORT

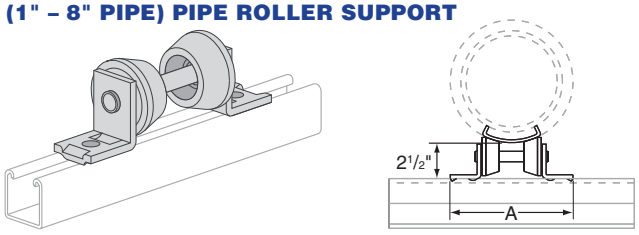


Chart for Dimension A	
AS 1902 Size	Dimension A
1" - 2"	6¾"
2½" - 3½"	7½"
4" - 6"	8½"
8"	9⁹⁄₁₆"

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

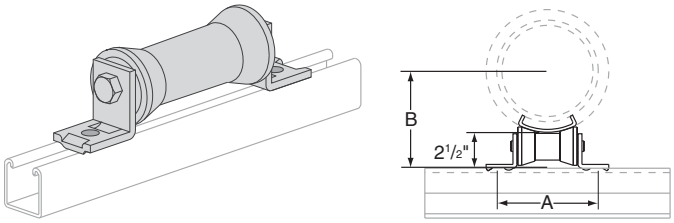
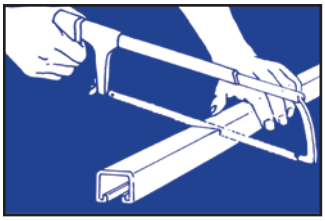
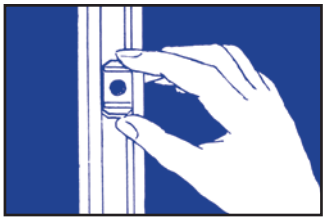
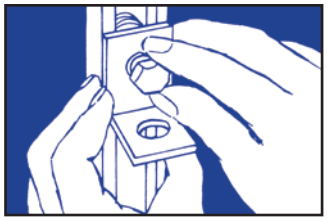
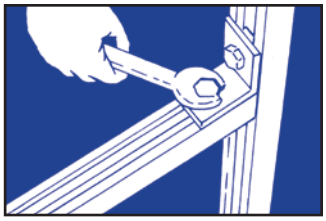


Chart for Dimension A			
Size	Fit Pipe Size	A	B
2" - 3½"	2"	5"	3"
	2½"	5"	3¼"
	3"	5"	3⅝"
	3½"	5"	3⅞"
4" - 6"	4"	5⅞"	4⁵⁄₁₆"
	5"	5⅞"	4⅞"
	6"	5⅞"	5⁷⁄₁₆"
8" - 10"	8"	8⁵⁄₁₆"	7⅛"
	10"	8⁵⁄₁₆"	8¼"
12" - 14"	12"	10⅞"	9⅞"
	14"	10⅞"	10½"

NOTE: Anvil Strut Rollers Consist of Cast Iron Roller & Steel Bracket.

ANVIL-STRUT™ TECHNICAL DATA

The Anvil-Strut™ Metal Framing System offers a unique and flexible series of metal channels and fittings designed to fill a wide variety of construction requirements, from supporting sprinkler systems, electrical conduit or any other piping system, to the erection of mezzanines, walkways, or guardrails. Anvil-Strut™ has also demonstrated its usefulness in a multitude of OEM applications, including such products as scaffolding, conveyors, electronic enclosures, and truck body parts just to name a few.

A Saw, A Wrench, and Anvil-Strut™

The Anvil-Strut™ Metal Framing System provides a continuous support system that is fully adjustable, completely reusable and comes with the added benefit of many time-saving features. That translates

into a system that is strong, fast, and economical with no welding or drilling. From planning to actual construction, your job will proceed smoothly in less time and with less effort.

With the Anvil-Strut™ channel and fittings, lightweight suspension systems can be quickly erected in an unlimited variety of styles, to meet all your structural requirements, providing a firm anchorage for any type of pipe hanger or support application. In situations using poured concrete construction, Anvil-Strut™ concrete insert channel provides a continuous, flush mounting slot in floors, walls or ceilings.

Fabrication with Anvil-Strut™ is simple and fast. First cut the strut channel to the desired length with a hacksaw, chop saw, or powered band saw. Next insert the special grip nut with integrated retaining spring into the channel slot and turn 90 degrees to align the nut grooves with the channel lips. The nut may be slid to any desired location along the entire length of the channel allowing total adjustability.

Depending on the style of assembly being made, the appropriate fitting is then positioned over the nut and a cap screw is inserted. Finally the screw is tightened using an ordinary wrench, causing the serrated teeth in the grip nut to bite into the channel lips, positively locking the components into a rigid assembly. NO DRILLING....NO WELDING....NO SPECIAL TOOLS.

This catalog is not intended to show the complete Anvil-Strut™ line of fittings and accessories, but rather to illustrate the most commonly used items. Literally hundreds of additional items are available, most from stock, to meet your requirements.

Our engineering department will be happy to assist you in incorporating Anvil-Strut™ into your next project. Our recommendations will be provided to you without obligation.

CHANNEL SPECIFICATIONS

Materials

CARBON STEEL

Channels are formed from high-quality, structural grade carbon steel which has been manufactured in accordance with ASTM A-570 specification 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 G90 which represents a coating thickness of .90 ounces of zinc per square foot (.45 per side). 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 (1.5 ounces per side) 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.

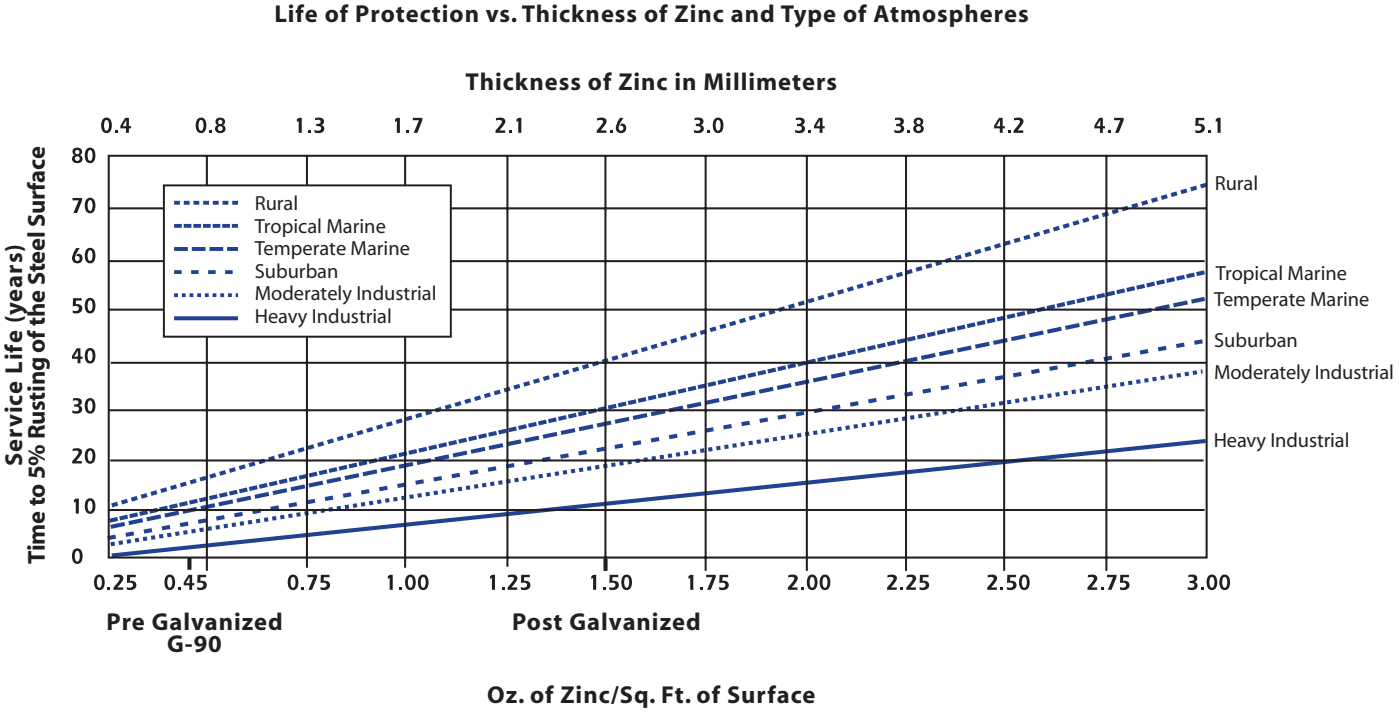
ZINC TRIVALENT CHROMIUM

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 International.

Should you have a custom application that requires additional information, our engineering department is ready to review it.

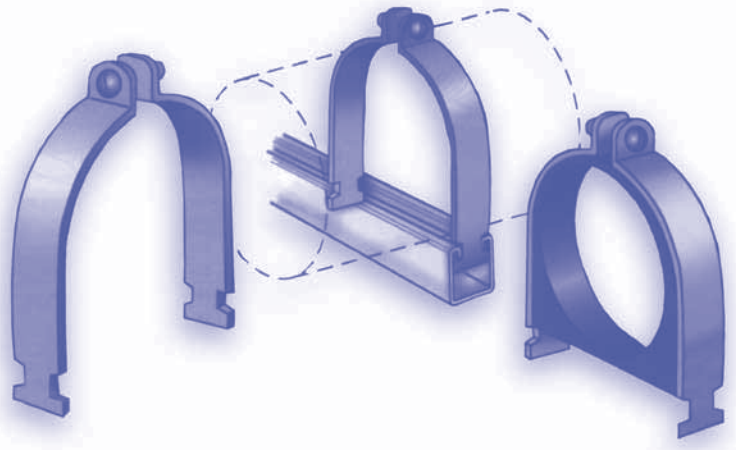
PIPE CLAMPS

Specifications

GENERAL
Anvil-Strut™ Pipe Clamps are all manufactured to fit into the standard openings of 1 5/8" 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-569)
Cold Rolled Steel Sheet (ASTM-A-366)
Stainless Steel - Type 304/316 (ASTM-A-240)



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

Electro Galvanized (ASTM-B-633BSCI)
Hot Dipped Galvanized (ASTM-A-123)
Copper Plated
Zinc Trivalent Chromium

ORDERING
Please specify catalog number, size and finish.

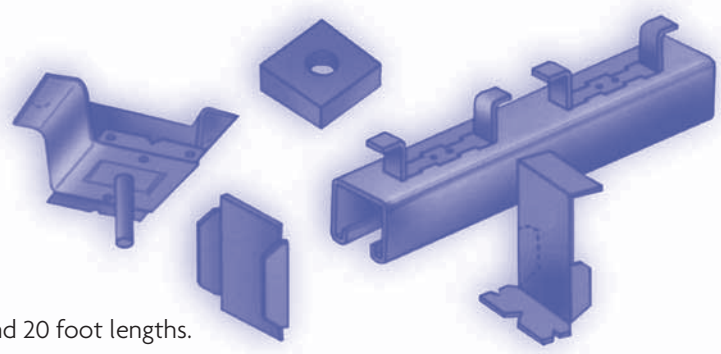
CONCRETE INSERTS & ACCESSORIES

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:

Cold Rolled Carbon Steel (ASTM-A-366)
Hot Rolled Carbon Steel (ASTM-570)
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-525-G90)
Electro Galvanized (ASTM-B-633BSC)

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.

GENERAL FITTINGS

Specifications

GENERAL

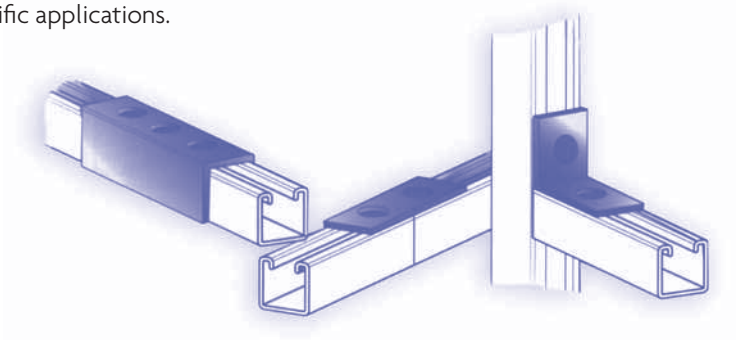
Anvil-Strut™ General Fittings are designed to fit with all Anvil-Strut™ 1⅝" wide channels. All Anvil-Strut™ fittings are manufactured from ¼" thick carbon steel, 1⅝" wide, all holes are ⁹⁄₁₆" diameter, spaced 1⅞" on center and ¹³⁄₁₆" from the end.

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

MATERIAL

Anvil-Strut™ fittings are manufactured from the following material:

Hot Rolled Steel Sheet (ASTM-A-569)
Cold Rolled Steel Sheet (ASTM-A-366)
Stainless Steel - Type 304/316 (ASTM-A-240)



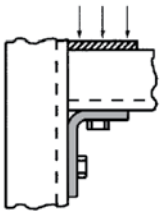
ORDERING

Please specify catalog number and finish..

DESIGN LOAD DATA

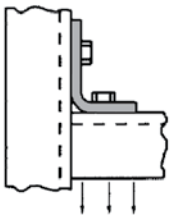
(For typical channel-fitting connections when USED IN PAIRS, i.e., fittings at each end of beam.)

90° Fitting



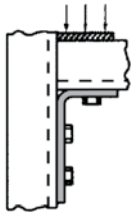
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1500	1000	750
kN	(6.67)	(4.45)	(3.34)

90° Fitting



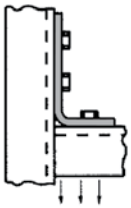
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1000	650	500
kN	(4.45)	(2.89)	(2.22)

90° Fitting



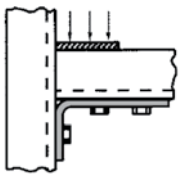
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2000	1500	900
kN	(8.90)	(6.67)	(4.00)

90° Fitting



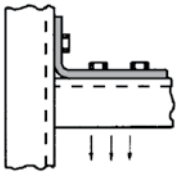
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	1500	1150	650
kN	(6.67)	(5.12)	(2.89)

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)

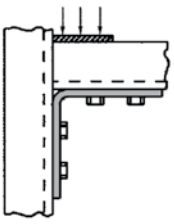
90° Fitting



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)

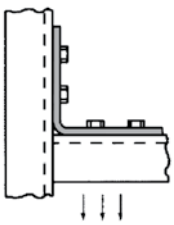
Design load data includes a safety factor of 2.5 (safety factor = ratio of ultimate load to design load).

90° Fitting



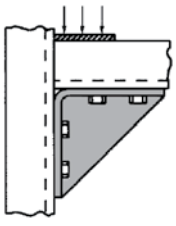
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2500	2000	1500
kN	(11.12)	(8.90)	(6.67)

90° Fitting



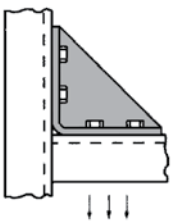
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2000	1650	1250
kN	(8.90)	(7.34)	(5.56)

90° Fitting



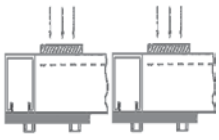
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	3000	2000	1500
kN	(13.34)	(8.90)	(6.67)

90° Fitting



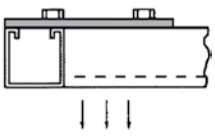
Channel Thickness	12 ga. (2.6)	14 ga. (1.9)	16 ga. (1.5)
Lbs.	2500	1650	1250
kN	(11.12)	(7.34)	(5.56)

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)

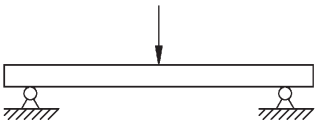
FUNDAMENTALS OF DESIGN

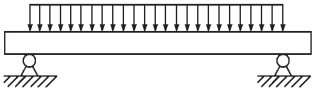
BEAMS

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).

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).

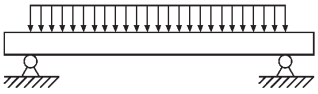




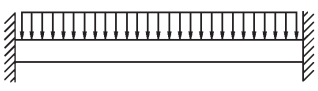
Uniform Load - A uniform load is spread evenly over the length of the beam from support to support.

Types of Beam Support Conditions

Simple Beam - A simple beam is supported at both ends by non-fixed connections which prevent vertical movement



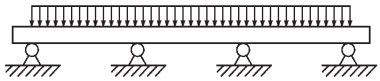
at the support point, but allow the beam to rotate or flex into a normal deflected shape. The majority of bolted metal framing connections closely approximate these conditions. The loading data presented in this catalog is based on simple beam analysis unless otherwise noted.



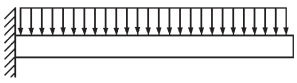
Fixed Beam - A fixed beam has rigid connections at each end that restrict the rotation of the beam and resist its deflection.

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 -

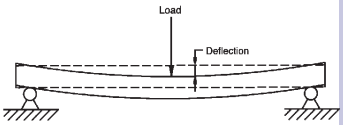


A continuous beam rests on more than two supports. The outside spans of a continuous beam will act like simple beams, while the interior spans will behave in a manner similar to fixed beams.



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.

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.

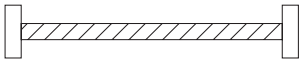
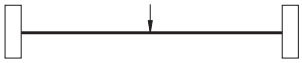
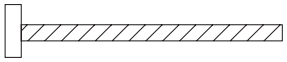
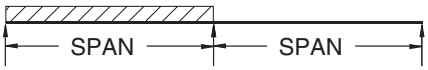
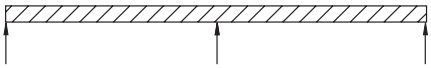
The stiffness of the beam derived from its cross sectional shape is defined by its "Moment of Inertia' or "I". The greater the "I" value of a beam, the greater its stiffness and the smaller its deflection. "I" values are given for both major axis (X-X and Y-Y). Increasing the height of the strut channel (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.

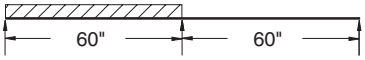
ANVIL-STRUT™ BEAM LOADING FORMULAS

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

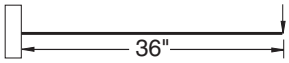
Examples:

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"

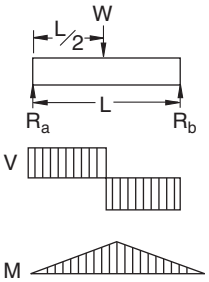
Problem:
Calculate the load and corresponding deflection of a cantilever AS 150 beam with a concentrated load on the end.



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

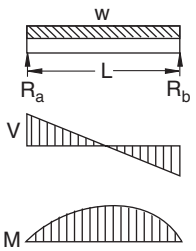


$R_a = R_b = \frac{W}{2}$

$V_{max.} = \frac{W}{2}$

$M_{max.} = \frac{WL}{4}$

$\Delta_{max.} = \frac{WL^3}{48EI}$

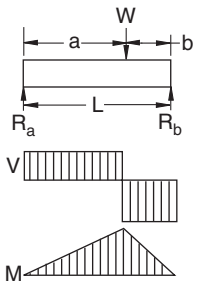


$R_a = R_b = \frac{wL}{2}$

$V_{max.} = \frac{wL}{2}$

$M_{max.} = \frac{wL^2}{8}$

$\Delta_{max.} = \frac{5wL^4}{384EI}$



$R_a = \frac{Wb}{L}$

$R_b = \frac{Wa}{L}$

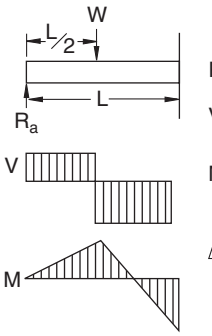
$V_{max.} = \frac{Wa}{L}$

$M_{max.} = \frac{Wab}{L}$

$\Delta_{max.} = \frac{Wab(a+2b)}{27EIL}\sqrt{3a(a+2b)}$

$@x = \sqrt{\frac{a(a+2b)}{3}}$

Beam Fixed at One End, Supported at Other



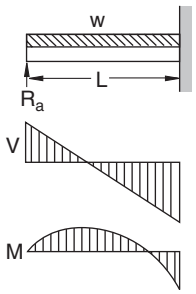
$R_a = \frac{5W}{16}$

$V_{max.} = \frac{11W}{16}$

$M_{max.} = \frac{5WL}{32}$

$\Delta_{max.} = \frac{.009317\ WL^3}{EI}$

$@x = 0.447L$



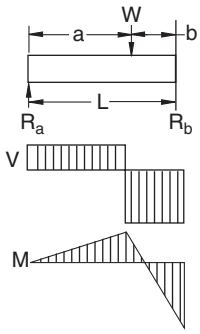
$R_a = R_b = \frac{3wL}{8}$

$V_{max.} = \frac{5wL}{8}$

$M_{max.} = \frac{wL^2}{8}$

$\Delta_{max.} = \frac{wL^4}{185EI}$

$@x = 0.4215L$



$R_a = \frac{Wb^2}{2L^3}(a+2L)$

$R_b = \frac{Wa}{2L^3}(3L^2 - a^2)$

$M_{point\ of\ load} = R_a a$

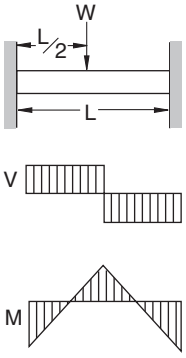
$M_{fixed\ end} = \frac{Wab}{2L^3}(a+L)$

$M_{max.} = \frac{Wab}{2L^3}(L-a^2)(2L+a)$

$\Delta_{max.} = \frac{Wa(L^2-a^2)}{6EI}\sqrt{\frac{a}{(2L+a)}}$

$@x = L\sqrt{\frac{a}{(2L+a)}}$

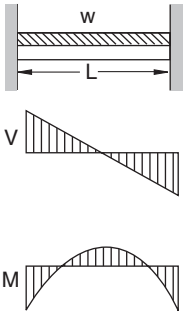
Beam Fixed at Both Ends



$V_{max.} = \frac{W}{2}$

$M_{max.} = \frac{WL}{8}$

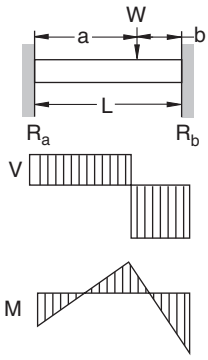
$\Delta_{max.} = \frac{WL^3}{192EI}$



$V_{max.} = \frac{wL}{2}$

$M_{max.} = \frac{wL^2}{12}$

$\Delta_{max.} = \frac{wL^4}{384EI}$



$R_a = \frac{Wb^2}{L^3}(3a+b)$

$R_b = \frac{Wa^2}{L^3}(a+3b)$

$M_a = \frac{Wab^2}{L^2}$

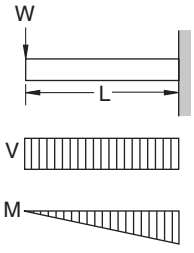
$M_b = \frac{Wa^2b}{L^2}$

$M_{max.} = \frac{2Wa^2b^2}{L^3}$

$\Delta_{max.} = \frac{2Wa^3b^2}{3EI(1+2a)^2}$

$@x = \frac{2aL}{L+2a}$

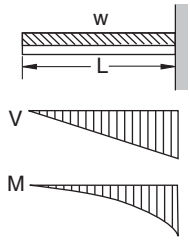
Cantilever Beams



$V_{max.} = W$

$M_{max.} = WL$

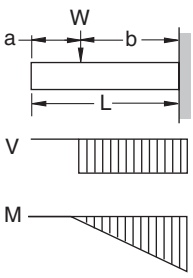
$\Delta_{max.} = \frac{WL^3}{3EI}$



$V_{max.} = wL$

$M_{max.} = \frac{wL^2}{2}$

$\Delta_{max.} = \frac{wL^4}{8EI}$



$V_{max.} = W$

$M_{max.} = Wb$

$\Delta_{max.} = \frac{Wb^2(3L-b)}{6EI}$

R - Reaction
M - Moment
W - Concentrated Load

w - Uniform Load (Weight/Unit Length)
V - Shear
L - Length

Δ - Deflection
E - Modulus of Elasticity
I - Moment of Inertia

DESIGN OF ANVIL-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 1/240 of the span's length will provide an acceptable appearance. The tables presented in this catalog show loading at 1/240 deflections, as well as loading at 1/360 deflections that can be used in situations which have highly demanding visual requirements.

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.

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	1/4 - 20	5/16 - 18	3/8 - 16	1/2 - 13
FOOT-LBS	6	11	19	50

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"**
1/2"	1 3/16	–	–	–	–	–	–	–	–	–	–	–	–
	1 3/8	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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**

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 1 5/8" x 1 5/8" x 12 ga.	.202
AS–150 1 5/8" x 2 7/16" x 12 ga.	.391
AS–100 1 5/8" x 3 1/4" x 12 ga.	.698

Channel Size	Section Mod. (in.3)
AS–150 BTB 1 5/8" x 4 7/8" x 12 ga.	1.153
AS–100 BTB 1 5/8" x 6 1/2" x 12 ga.	1.716

Section Modulus Required for Trapeze Members (in.^{3})

Span of Trapeze	Pipe Size											
	1"	1 1/4"	1 1/2"	2"	2 1/2"	3	3 1/2"	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 HANGERS

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
Felt Lined Hanger
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
Alloy Steel Pipe Clamp
Size Range: 4" - 16"

Fig. 246
Heavy Duty Alloy Steel
Pipe Clamp
Size Range: 10" - 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"

PIPE HANGERS (Continued)

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"

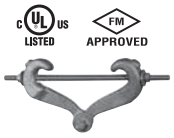


Fig. 218
Malleable Beam Clamp without Extension Piece

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. 189
Straight Eye Socket
Size: 3/8"

Fig. 190
Off-Set Eye Socket
Size: 3/8"

Fig. 194
Light Welded Steel Bracket

Fig. 195
Medium Welded Steel Bracket

Fig. 199
Heavy Welded Steel Bracket

PIPE HANGERS (Continued)

Concrete Inserts & Attachments

Fig. 152
Screw Concrete Insert
Size Range: 3/8" - 7/8"

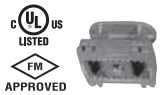


Fig. 282
Universal Concrete Insert
Size Range: 3/8" - 7/8"

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
Iron Cross
Size Range: 3/4" - 1 1/2"

Fig. 284
Metal Deck Hanger
Size Range: 3/8" - 3/4"

Fig. 52
Concrete Rod Attachment Plate
Size Range: 3/8" - 1 1/4"

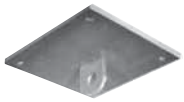


Fig. 47
Concrete Single Lug Plate
Size Range: 1/2" - 2"

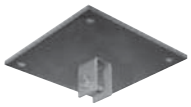


Fig. 49
Concrete Clevis Plate
Size Range: 3/8" - 1 3/4"

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"

Fig. 157
Extension Piece
Size Range: 3/8" - 7/8"

Fig. 299
Forged Steel Clevis
Size Range: 3/8" - 4"

Fig. 233
Turnbuckle
Size Range: 1 1/4" - 5"

Fig. 230
Turnbuckle
Size Range: 3/8" - 2 1/2"

Fig. 290
Weldless Eye Nut
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"

PIPE HANGERS (Continued)

Straps

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"

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"

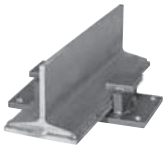


Fig. 257 & 257A
Structural Tee
Slide Assembly
Size Range: All Sizes within Maximum Load Rating

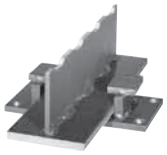


Fig. 436 & 436A
Fabricated Tee
Slide Assembly
Size Range: All Sizes within Maximum Load Rating

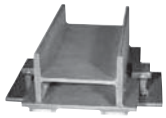


Fig. 439 & 439A
Structural "H"
Slide Assembly
Size Range: 6" - 36"

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"

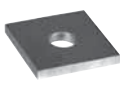


Fig. 60
Steel Washer Plate
Size Range: 3/8" - 3 3/4"

Fig. 66
Welded Beam Attachment
Size Range: 3/8" - 3 1/2"

PIPE HANGERS (Continued)

Snubbers

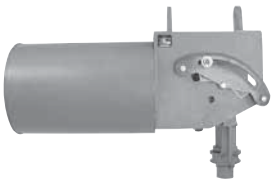
Fig. 3306 & 3307
Hydraulic Shock & Sway Suppressor (Snubber)
Size Range: Seven standard sizes with load ratings from 350 to 50,000 (LBS).

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.

SWAY BRACE - SEISMIC

Pipe Brace Clamps NEW

Fig. 770
Q Brace Clamp
Size Range:
1" - 6" Service Pipe

Fig. 776
Brace Clamp
Size Range:
2 1/2" - 8" Service Pipe

Fig. 775
Lateral/Longitudinal
Brace Clamp
Size Range:
2 1/2" - 8" Service Pipe

Restraints NEW

Fig. 773
Surge Restrainer
Size Range: 3/4" - 2" Swivel Ring Hanger

Fig. 777
Swivel Joint Connector - Rod Tap
Size Range: 3/8" Rod Diameter

Structural Attachments NEW

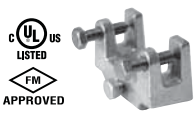


Fig. 778
Bar Joist and Beam Attachment (WF)
Size Range: Flange Thickness 1/8" - 3/4"

Fig. 772
Adjustable Steel Beam Attachment
Size Range: Flange Widths 4" - 15"

Fig. 779
Multi-Connector Adapater
Size Range: 1" - 8" Service Pipe

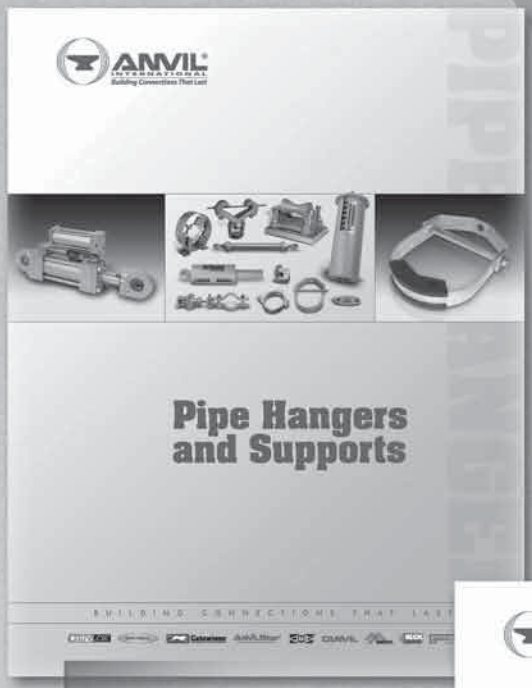
Sway Brace Attachment NEW

Fig. 771
Sway Brace Swivel Attachment
Size Range: 1" and 1 1/4" Brace Pipe

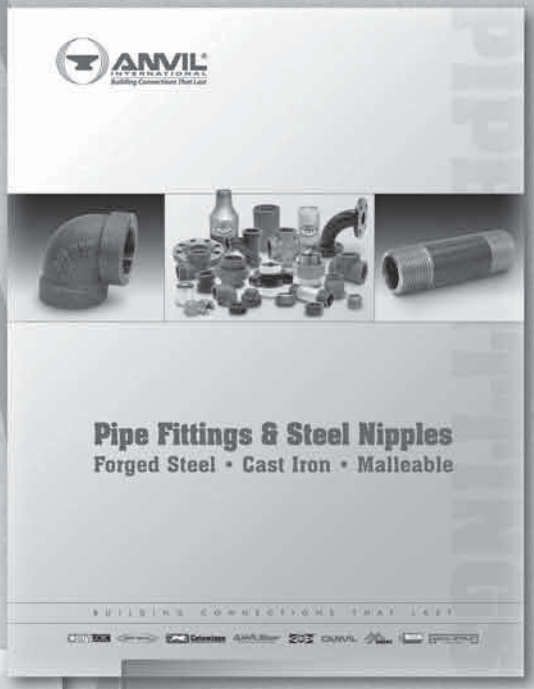
ANVIL® INTERNATIONAL

Building Connections That Last

www.anvilintl.com



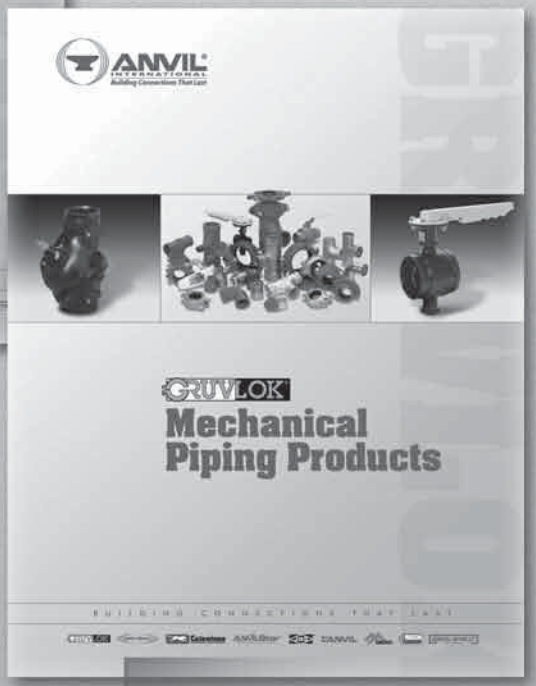
Pipe Hangers & Support Catalog
Order Document #165



Pipe Fittings Catalog
Order Document #010

Anvil-Strut Metal Framing Product & Engineering Catalog
Order Document #125

Pipe Fitters Handbook
Order Document #030



Gruvlok Mechanical Piping Products Catalog
Order Document #040

Today Anvil® International is the largest and most complete fitting and hanger manufacturer in the world.

2004 Anvil® International acquires Star Pipe Products, Building and Construction Divisions (SPF) and forms AnvilStar™ Fire Products Division.

2001 Anvil® International acquires Merit® Manufacturing and Beck Manufacturing.

2000 The industry's trusted manufacturer of pipe fittings, hangers and grooved fittings is renamed Anvil® International, Inc.

1999 Tyco sells the distribution and manufacturing operations known up to this point as "Grinnell Supply Sales", but keeps the Grinnell® trademark.

1994 J.B. Smith™ and Catawissa™ join the Grinnell Supply Sales and Manufacturing division.

1969 Grinnell Co. acquired by International Telephone and Telegraph. Two years later, ITT divests the Fire Protection Division, but keeps the manufacturing and sales divisions that will become known as Anvil® International.

1960 Gruvlok® line of grooved fittings is introduced.

1919 General Fire Extinguisher Co. becomes Grinnell Co.

1909 Frederick Grinnell opens a foundry in Cranston, RI. Companies express interest in buying its piping products, laying the groundwork for what would become the Grinnell Supply Sales Division. It would be these manufacturing and sales operations that eventually become Anvil® International.

1850 Providence Steam & Gas Pipe Co. is formed, and Frederick Grinnell purchases a controlling interest.

TRUSTED FOR 150 YEARS

We built our reputation from the ground up.

Anvil's history stretches back to the mid 1800s, when a company named Grinnell® began providing its customers with the finest quality pipe products. Since 2000, those quality products and services—and the people who provide them—have been known as Anvil® International. Anvil® customers receive the quality and integrity that have been building strong connections in both products and business relationships for over 150 years.

Focused Product Line:

Anvil® Malleable and Cast Iron Fittings

Anvil® Hangers, Supports and Struts

Beck Welded Pipe Nipples

Anvil® Seamless Pipe Nipples

Anvil® Steel Pipe Couplings and Small Steel Fittings

Merit® Tee-Lets and Drop Nipples

Gruvlok® Couplings, Fittings and Valves

SPF™ Malleable and Cast and Ductile Iron Fittings

SPF™ Grooved Fittings and O'Lets

J.B. Smith Swage Nipples and Bull Plugs

Catawissa® Wing Unions and Check Valves

BUILDING CONNECTIONS THAT LAST

ANVIL® INTERNATIONAL

ANVIL BRANDS: GRUVLOK · SPF/ANVIL · Catawissa · ANVIL EPS · JBS · CANVIL · MERIT · BECK · ANVIL-STRUT · SEMINOLE Tubular Products

BRANDS OF ANVIL INTERNATIONAL

Anvil® product lines include malleable and cast iron fittings, unions and flanges; seamless steel pipe nipples; steel pipe couplings; universal anvilets; forged steel fittings and unions; pipe hangers and supports; threaded rod; and engineered hangers.

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.

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-Green™, Zinc Trivalent Chromium, pre-galvanized, hot-dipped galvanized, electro-galvanized, aluminum, plain, and stainless steel.

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.

Catawissa™ NACE and API approved wing unions for Standard Service are offered in non-pressure seal ends as well as threaded and butt weld, and are interchangeable with most leading union manufacturers. Fully traceable and available with complete mill certifications, Catawissa's oilfield wing 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.

The SPF/Anvil™ product line includes a variety of internationally sourced products such as grooved couplings, fittings and flanges, cast iron, malleable iron and ductile iron threaded fittings, steel pipe nipples, as well as o'lets.

The Merit® product line includes a variety of tee-lets, drop nipples, and steel welding flanges for fire protection applications. Most Merit products are UL/ULC Listed, FM Approved, and rated from 175 to 300 psi.

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.

Canvil® manufactures low pressure hexagon reducer bushings, as well as plugs and hex caps up to 1" in diameter in various finishes including Oil Treat, Phosphate and Electro Galvanized. In addition, Canvil manufactures A105 hex or round material in class 3000 and 6000 pound, forged steel couplings and bar stock products offered as either as normalized (A105N) or non-normalized (A105) that are fully traceable for mechanicals and chemistry through our MTR program.

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®
INTERNATIONAL
Building Connections That Last

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Revision Date: 12.1.11