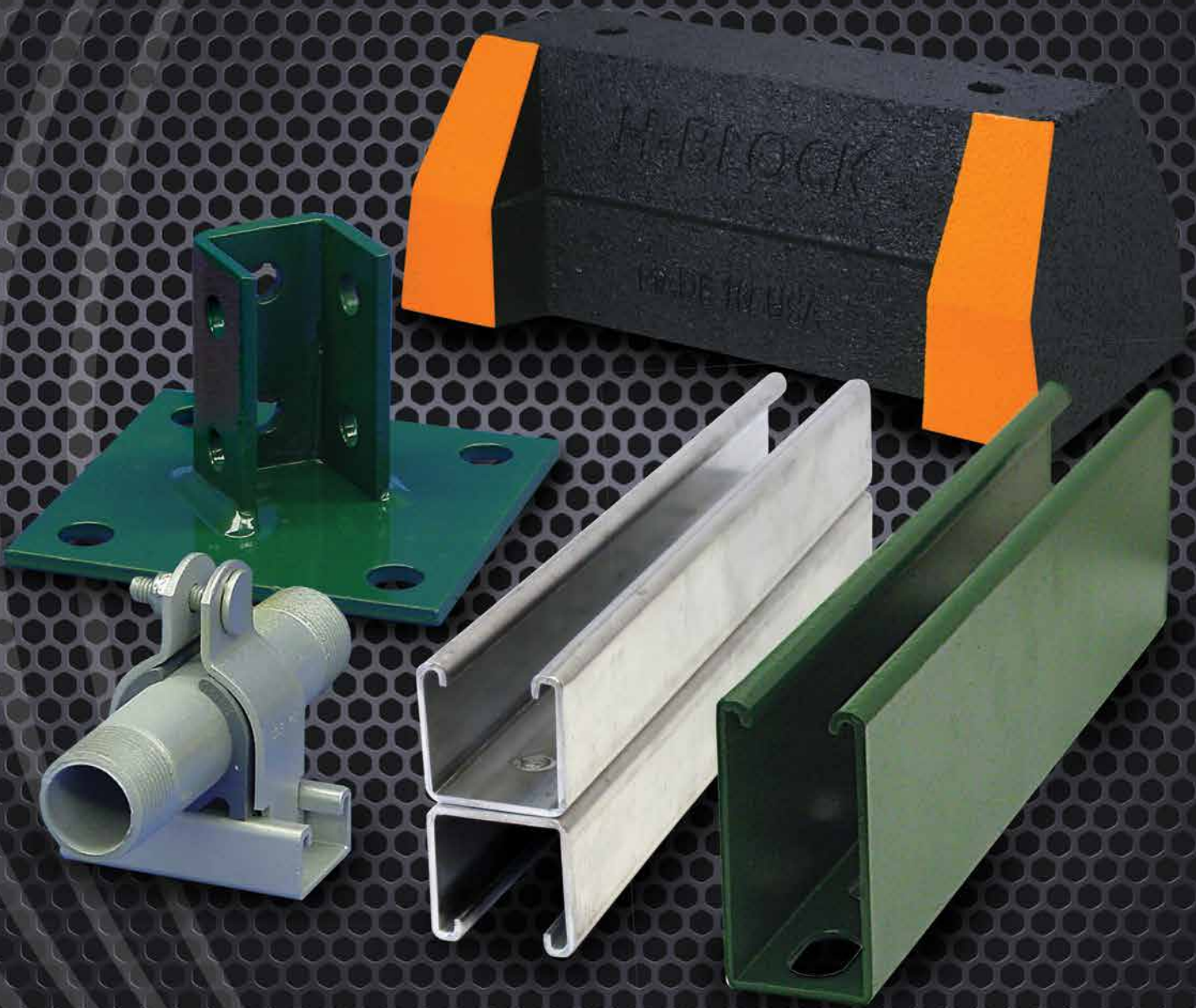




Metal Framing & H-Block

www.anvilintl.com

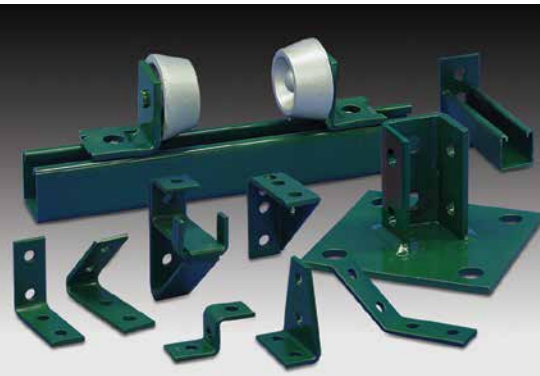
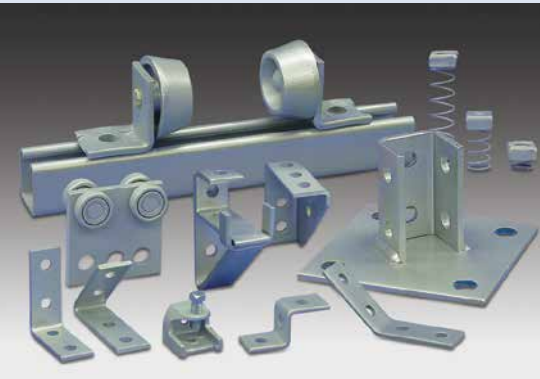


ANVIL[®]
INTERNATIONAL
Building Connections That Last

MARCH 2016

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

BUILDING CONNECTIONS THAT LAST



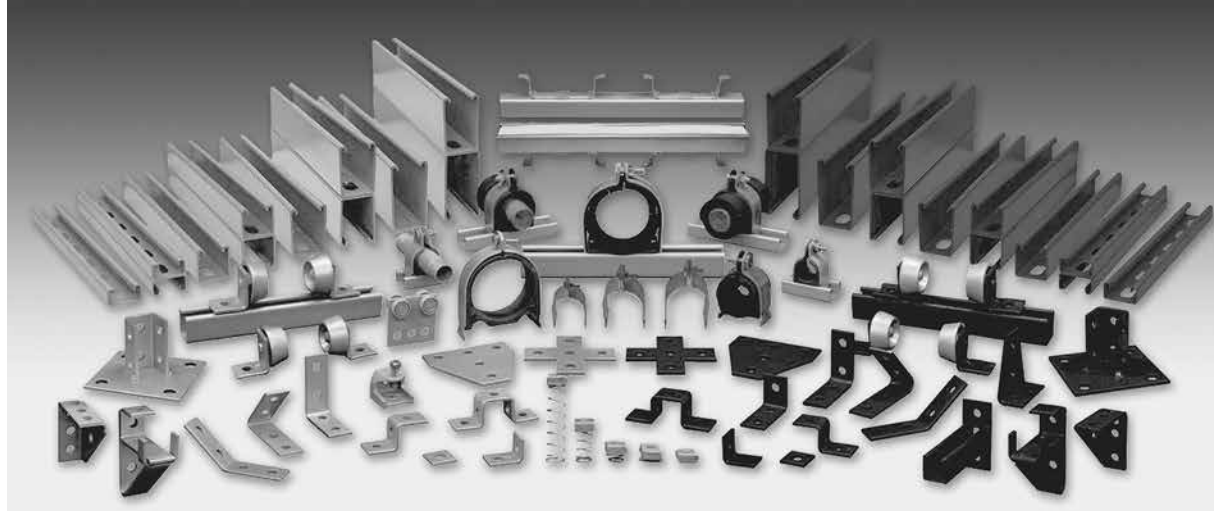
For over 160 years, Anvil has worked diligently to build a strong, vibrant tradition of making connections — pipe to pipe and people to people.

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

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

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

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



Metal Framing Product and Engineering Catalog

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

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

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

Anvil-Strut™

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

They include:

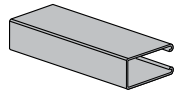
- Clean Rooms
- Satellite Dish Supports
- X-ray Supports
- Storage Racks
- Theater Screen
- Tunnel Stanchions
- Offshore Catwalks

<u>Description</u>	<u>Pages</u>	<u>Description</u>	<u>Pages</u>
Pictorial Table of Contents.....	5-12	Miscellaneous Fittings	85-88
Channel.....	13-50	Trolleys & Accessories.....	89
Channel Nuts and Hardware	51-54	Beam Clamps	91-95
Pipe and Conduit Supports	55-63	Brackets.....	97-100
Klo-Shure®	64-66	Concrete Inserts.....	101-105
Flat Plates	68-70	End Caps	106
Angle Fittings & Connectors	71-75	H-Block Rooftop Support Systems .	107-123
"Z" Supports	76	H-Block Mini Rooftop Support Systems .	124-128
Wing Fittings	77-78	Technical Data	129-141
"U" Supports.....	79-80	Product & Keyword Index.....	142-146
Splice Clevises.....	81	Pipe Hanger Pictorial Index.....	147-152
Post Bases	82-84		

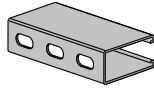
TO OUR VALUED CUSTOMERS

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.

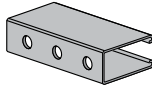
CHANNELS



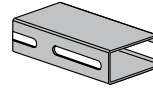
AS 100
Channel
Size: 3/4" x 1 5/8" x 12 GA.
Pages 14 - 15



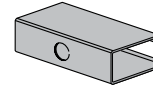
AS 100 EH
Channel with Elongated Holes
Size: 3/4" x 1 5/8" x 12 GA.
Page 15



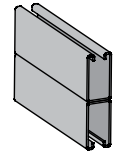
AS 100 H
Channel with Holes
Size: 3/4" x 1 5/8" x 12 GA.
Page 15



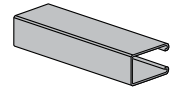
AS 100 S
Channel with Long Slots
Size: 3/4" x 1 5/8" x 12 GA.
Page 15



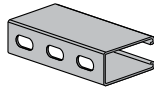
AS 100 KO
Channel with Knock Out
Size: 3/4" x 1 5/8" x 12 GA.
Page 15



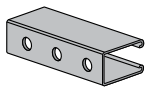
AS 100 BTB
Welded Channel
Size: 6 1/2" x 1 5/8" x 12 GA.
Two Pcs. AS 100 Welded Back-to-Back.
Pages 16 - 17



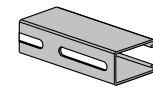
AS 150
Channel
Size: 2 7/16" x 1 5/8" x 12 GA.
Pages 18 - 19



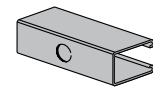
AS 150 EH
Channel with Elongated Holes
Size: 2 7/16" x 1 5/8" x 12 GA.
Page 19



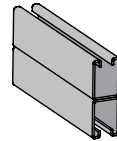
AS 150 H
Channel with Holes
Size: 2 7/16" x 1 5/8" x 12 GA.
Page 19



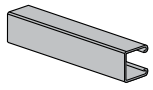
AS 150 S
Channel with Long Slots
Size: 2 7/16" x 1 5/8" x 12 GA.
Page 19



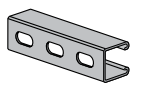
AS 150 KO
Channel with Knock Out
Size: 2 7/16" x 1 5/8" x 12 GA.
Page 19



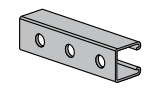
AS 150 BTB
Welded Channel
Size: 4 7/8" x 1 5/8" x 12 GA.
Two Pcs. AS 150 Welded Back-to-Back.
Pages 20 - 21



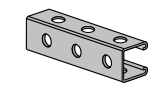
AS 200
Channel
Size: 1 5/8" x 1 5/8" x 12 GA.
Pages 22 - 23



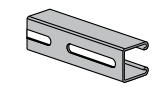
AS 200 EH
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 23



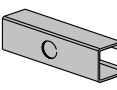
AS 200 H
Channel with Holes
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 23



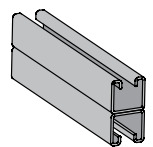
AS 200 H3
Channel with Holes on 3 Sides
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 23



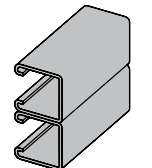
AS 200 S
Channel with Long Slots
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 23



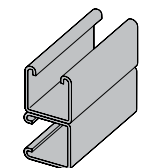
AS 200 KO
Channel with Knock Out
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 23



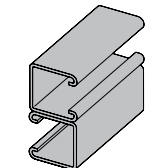
AS 200 BTB
Welded Channel
Size: 3 1/4" x 1 5/8" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Back.
Pages 24 - 25



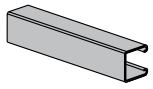
AS 200 STS
Welded Channel
Size: 3 1/4" x 1 5/8" x 12 GA.
Two Pcs. AS 200 Welded Side-to-Side.
Page 25



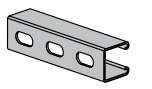
AS 200 BTS
Welded Channel
Size: 3 1/4" x 1 5/8" x 12 GA.
Two Pcs. AS 200 Welded Back-to-Side.
Page 25



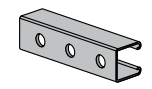
AS 200 STSR
Welded Channel
Size: 3 1/4" x 1 5/8" x 12 GA.
Two Pcs. AS 200 Welded Side to Reverse Side.
Page 25



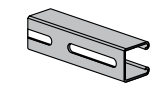
AS 210
Channel
Size: 3 1/4" x 1 5/8" x 14 GA.
Pages 26 - 27



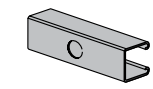
AS 210 EH
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 14 GA.
Page 27



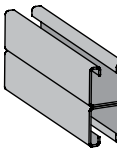
AS 210 H
Channel with Holes
Size: 1 5/8" x 1 5/8" x 14 GA.
Page 27



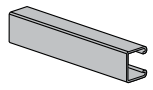
AS 210 S
Channel with Long Slots
Size: 1 5/8" x 1 5/8" x 14 GA.
Page 27



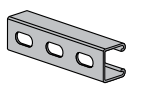
AS 210 KO
Channel with Knock Out
Size: 1 5/8" x 1 5/8" x 14 GA.
Page 27



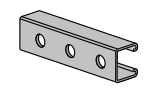
AS 210 BTB
Welded Channel
Size: 3 1/4" x 1 5/8" x 14 GA.
Two Pcs. AS 210 Welded Back-to-Back.
Pages 28 - 29



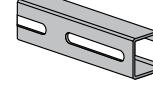
AS 300
Channel
Size: 1 5/8" x 1 5/8" x 12 GA.
Pages 30 - 31



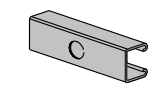
AS 300 EH
Channel with Elongated Holes
Size: 1 5/8" x 1 5/8" x 12 GA.
Page 31



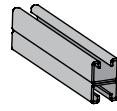
AS 300 H
Channel with Holes
Size: 1 3/8" x 1 5/8" x 12 GA.
Page 31



AS 300 S
Channel with Long Slots
Size: 1 3/8" x 1 5/8" x 12 GA.
Page 31



AS 300 KO
Channel with Knock Out
Size: 1 3/8" x 1 5/8" x 12 GA.
Page 31

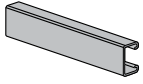


AS 300 BTB
Welded Channel
Size: 2 3/4" x 1 5/8" x 12 GA.
Pages 32 - 33

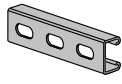
Table of Contents

- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Kio-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

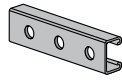
CHANNELS



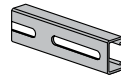
AS 400
Channel
Size: 1" x 1⁵/₈" x 12 GA.
Pages 34 - 35



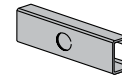
AS 400 EH
Channel with Elongated Holes
Size: 1" x 1⁵/₈" x 12 GA.
Page 35



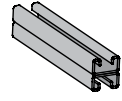
AS 400 H
Channel with Holes
Size: 1" x 1⁵/₈" x 12 GA.
Page 35



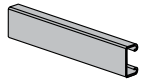
AS 400 S
Channel with Long Slots
Size: 1" x 1⁵/₈" x 12 GA.
Page 35



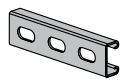
AS 400 KO
Channel with Knock Out
Size: 1" x 1⁵/₈" x 12 GA.
Page 35



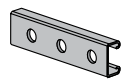
AS 400 BTB
Welded Channel
Size: 2" x 1⁵/₈" x 12 GA.
Two Pcs. AS 400 Welded Back-to-Back.
Pages 36 - 37



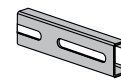
AS 500
Channel
Size: 1³/₁₆" x 1⁵/₈" x 14 GA.
Pages 38 - 39



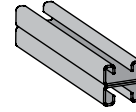
AS 500 EH
Channel with Elongated Holes
Size: 1³/₁₆" x 1⁵/₈" x 14 GA.
Page 39



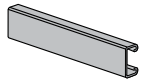
AS 500 H
Channel with Holes
Size: 1³/₁₆" x 1⁵/₈" x 14 GA.
Page 39



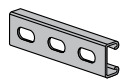
AS 500 S
Channel with Long Slots
Size: 1³/₁₆" x 1⁵/₈" x 14 GA.
Page 39



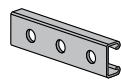
AS 500 BTB
Welded Channel
Size: 1⁵/₈" x 1⁵/₈" x 14 GA.
Two Pcs. AS 500 Welded Back-to-Back.
Pages 40 - 41



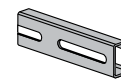
AS 520
Channel
Size: 1³/₁₆" x 1⁵/₈" x 12 GA.
Pages 42 - 43



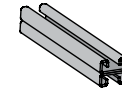
AS 520 EH
Channel with Elongated Holes
Size: 1³/₁₆" x 1⁵/₈" x 12 GA.
Page 43



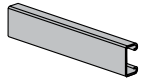
AS 520 H
Channel with Holes
Size: 1³/₁₆" x 1⁵/₈" x 12 GA.
Page 43



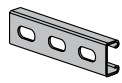
AS 520 S
Channel with Long Slots
Size: 1³/₁₆" x 1⁵/₈" x 12 GA.
Page 43



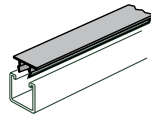
AS 520 BTB
Welded Channel
Size: 1⁵/₈" x 1⁵/₈" x 12 GA.
Two Pcs. AS 520 Welded Back-to-Back.
Pages 44 - 45



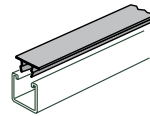
AS 560
Channel
Size: 1³/₁₆" x 1⁵/₈" x 16 GA.
Pages 46 - 47



AS 560 EH
Channel with Elongated Holes
Size: 1³/₁₆" x 1⁵/₈" x 16 GA.
Page 47



AS 707
Metal Raceway Closure Strip
Size: 1⁵/₈"
Page 49



AS 707P
Metal Painted Closure Strip
Size: 1⁵/₈"
Page 49

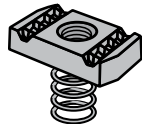
CHANNEL NUTS



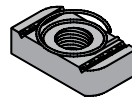
AS LS
Clamping Nut with Long Spring
Page 52



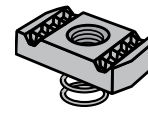
AS NS
Clamping Nut without Spring
Page 52



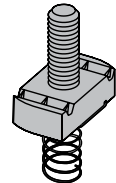
AS RS
Clamping Nut with Regular Spring
Page 52



AS TG
Top Grip Nut with Spring on Top
Page 52

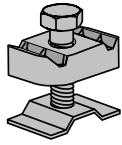


AS SS
Clamping Nut with Short Spring
Page 52



AS 517
Stud Nut with RS Spring
Page 52

CHANNEL HARDWARE



AS 3500
Seismic Rod
Stiffener
Page 53



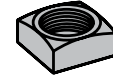
AS 211
Lock Washer
Page 53



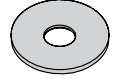
AS 83
Hexagon Nut
Page 53



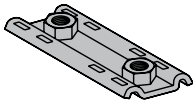
AS 209
Flat Washer
Page 53



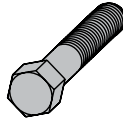
AS 6108
Square Nut
Page 53



AS 230
Fender Washer
Page 53



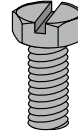
AS 3281
Double Conveyor
Adjusting Nut
Page 53



AS 6024
Hex Head Cap Screw
Page 54



AS 203
Linked Eyelet
with Stud
Page 54



AS 6075
Slotted Hex Head
Machine Screw
Page 54

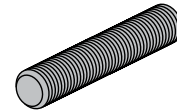


Fig. 146
Continuous
Threaded Rod
Page 54

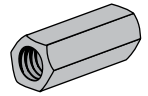
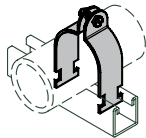
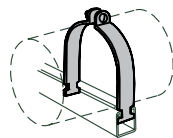


Fig. 135
Rod Coupling
Page 54

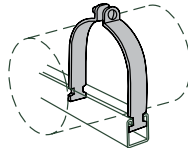
PIPE & CONDUIT SUPPORT



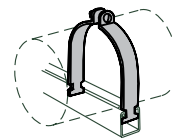
AS 1000AS
EMT Conduit Clamp
Page 56



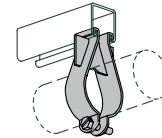
AS 1300AS
Universal Clamp
Page 56



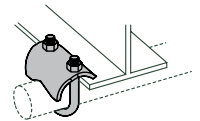
AS 1100AS
Rigid Conduit Clamp
Page 56



AS 1200AS
O.D. Tubing Clamp
Page 57



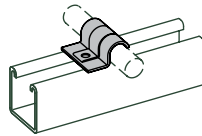
AS 3138
Parallel Pipe Clamp
Page 58



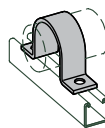
AS 51
Right Angle Pipe
or Conduit Clamp
Page 58



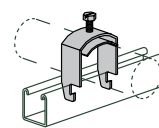
AS 270
Conduit Clamp
Page 58



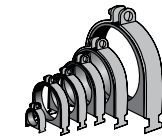
AS 1450
One Hole Clamp
for O.D. Tubing
Page 58



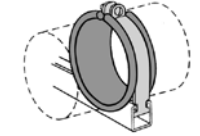
AS 3126
Hold Down Clamp
Page 59



**AS 3101
thru AS 3114**
One Piece Cable &
Conduit Clamp
Page 59



**AS 0040D
thru AS 106P**
Cushion Clamp Assembly
Page 60



AS 3792
Cushion Strip
Page 61



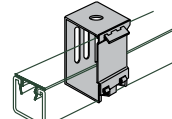
Fig. 67
Pipe or Conduit Hanger
Size Range: 1/2" thru 6"
Page 62



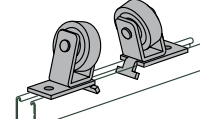
Fig. 69
Swivel Ring Hanger
Size Range: 1/2" thru 4"
Page 62



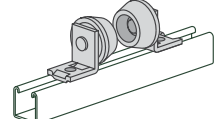
Fig. 137
"U" Bolt with Nuts
Long Tangent
Size Range: 1/2" thru 4"
Page 62



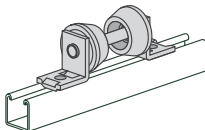
**AS 2631
& AS 2631D**
Swing Gate
Fixture Hanger
Page 62



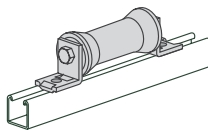
AS 815
Double Roller
Pipe Support
Size: 6" to 16" pipe
Page 63



AS 1901
Pipe Roller Support
Size: 1/2" to 4" pipe
Page 63



AS 1902
Pipe Roller Support
Size: 1" to 8" pipe
Page 63



AS 1911
Pipe Roller
Size: 2" to 14" pipe
Page 63



**Klo-Shure®
Strut-Mounted**
Insulation Couplings with
Strut Clamp
Page 64

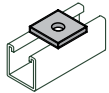


**Klo-Shure®
Strut-Mounted**
One-Piece Insulation
Coupling. No Metal Clamps
Needed.
Page 65

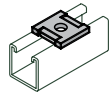


**Klo-Shure®
Strut-Mounted**
Insulation Couplings for
Fiberglass Insulation
Page 66

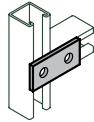
FLAT PLATES



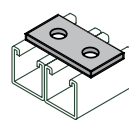
AS 619
Square Washer
Page 68



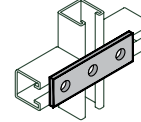
AS 2504
Square Washer with
Channel Guide
Page 68



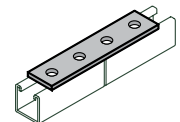
AS 601
2-Hole Splice Plate
Page 68



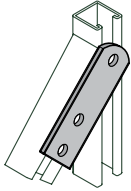
AS 620
2-Hole Connecting Plate
Page 68



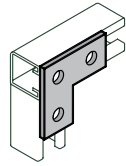
AS 602
3-Hole Splice Plate
Page 68



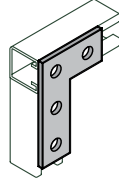
AS 888
4-Hole Splice Plate
Page 68



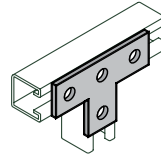
AS 617
3-Hole Swivel Plate
Page 69



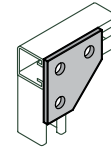
AS 718
Flat Angle Plate
Page 69



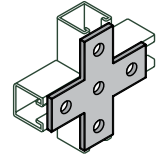
AS 719
4-Hole Corner
Joiner Plate
Page 69



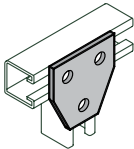
AS 714
Tee Plate
Page 69



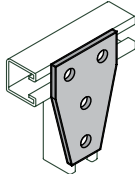
AS 744
Flat Corner Fitter
Page 69



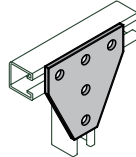
AS 712
Cross Plate
Page 69



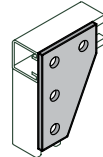
AS 925
Symmetrical 3-Hole
Joint Connector
Page 70



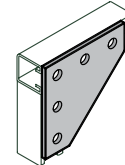
AS 747
Symmetrical 4-Hole
Connector
Page 70



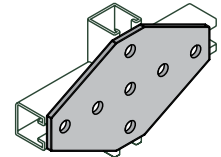
AS 854
5-Hole Flat Connector
Page 70



AS 750
4-Hole Corner Connector
Page 70

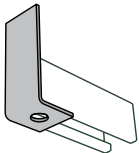


AS 2190
Flat Corner Connector
Page 70

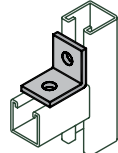


AS 2112
7-Hole Cross Connector
Page 70

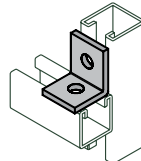
ANGLE FITTINGS AND CONNECTORS



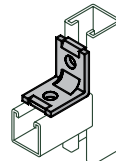
AS 921
1-Hole Angle
Page 71



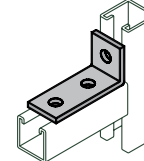
AS 603
2-Hole End Angle
Page 71



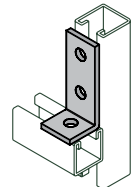
AS 604
2-Hole Corner Angle
Page 71



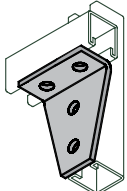
AS 806
2-Hole Angle with
Impressions on both Legs
Page 71



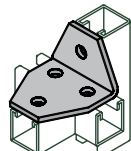
AS 745
3-Hole Corner Angle
Page 71



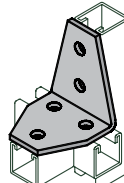
AS 606
3-Hole Corner Angle
Page 71



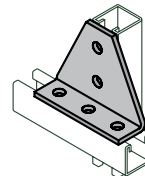
AS 748
4-Hole Joint
Corner Connector
Page 72



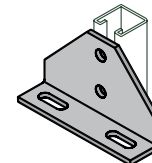
AS 614
4-Hole Joint
Corner Connector
Page 72



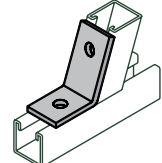
AS 615
5-Hole Shelf
Joint Angle
Page 72



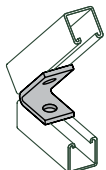
AS 927
5-Hole
Corner Connector
Page 72



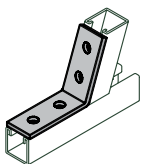
AS 689
Adjustable Double Slotted
Corner Connector
Page 72



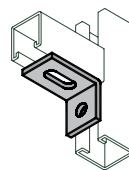
AS 633
2-Hole Open Angle
Connector
Page 73



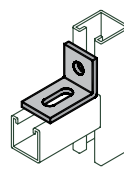
AS 624
2-Hole Closed Angle
Connector
Page 73



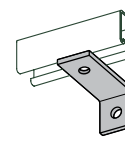
AS 781
4-Hole Open
Angle Connector
Page 73



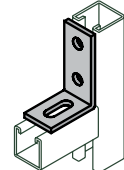
AS 2520
Two Hole
Adjustment Angle
Page 73



AS 2545
Slotted 90° Angle
Page 74

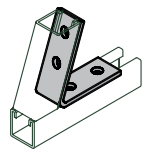


AS 2144
Corner Angle
Page 74

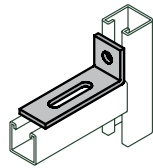


AS 3049
2-Hole Slotted 90°
Corner Connector
Page 74

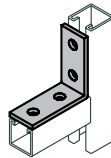
ANGLE FITTINGS AND CONNECTORS



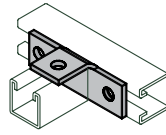
AS 793
4-Hole Closed Angle Connector
Page 74



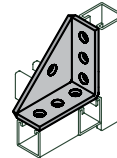
AS 763 & AS 764
Slotted Adjustment Corner Angle
Page 74



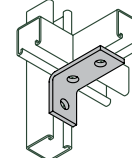
AS 607
4-Hole Corner Angle
Page 75



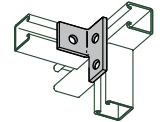
AS 715
"T" Plate - 90° Angle
Page 75



AS 3373
Universal Angle Bracket
Page 75

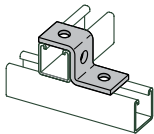


AS 605
3-Hole Corner Angle
Page 75

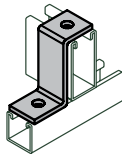


AS 720
RH & LH Angle Plate Connector
Page 75

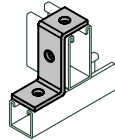
"Z" SUPPORTS



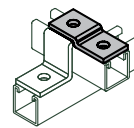
AS 611
"Z" Support
Page 76



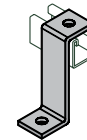
AS 612, AS 711, AS 928, AS 2601
"Z" Support
Page 76



AS 756
"Z" Support
Page 76

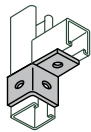


AS 609
2-Hole Offset "Z" Support
Page 76

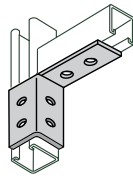


AS 3060
Offset Connector
Page 76

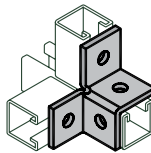
WING FITTINGS



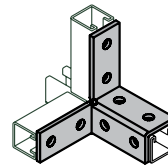
AS 922
RH & LH 2-Hole Single Corner Angle Connector
Page 77



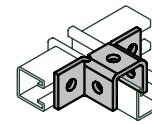
AS 2128
RH & LH 6-Hole Corner Connector
Page 77



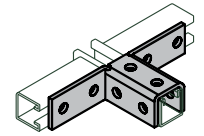
AS 665
4-Hole Double Corner Connector
Page 77



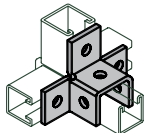
AS 667
8-Hole Double Corner Connector
Page 77



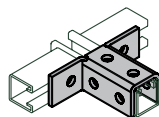
AS 923
5-Hole Two Angle Connector
Page 78



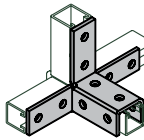
AS 913
10-Hole Two Angle Clevis Connector
Page 78



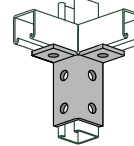
AS 668
6-Hole Three Angle Connector
Page 78



AS 821
8-Hole Double Angle Connector
Page 78

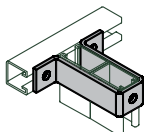


AS 669
12-Hole Three Angle Clevis Connector
Page 78

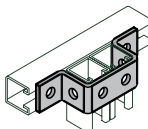


AS 666
6-Hole Double Corner Connector
Page 78

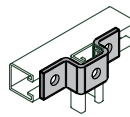
"U" SUPPORTS



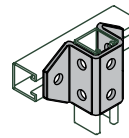
AS 678
"U" Support
Page 79



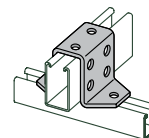
AS 721
"U" Support
Page 79



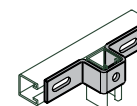
AS 613, AS 679, AS 710, AS 929, AS 978, AS 2119, AS 2648
"U" Support
Page 79



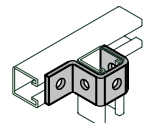
AS 733
6-Hole "U" Support
Page 80



AS 735
8-Hole "U" Support
Page 80



AS 687
Slotted "U" Support
Page 80

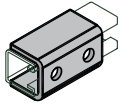


AS 677
Cup Support for Standard Single Strut
Page 80

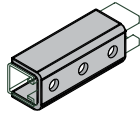
Table of Contents

- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Kio-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

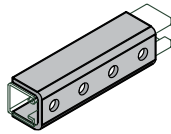
SPLICE CLEVISSES



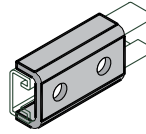
AS 631
2-Hole Splice Clevis
Page 81



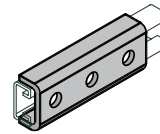
AS 629
3-Hole Splice Clevis
Size: 5³/₈" x 1⁵/₈"
Page 81



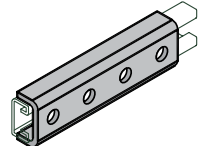
AS 616
4-Hole Splice Clevis
Size: 7¹/₄" x 1⁵/₈"
Page 81



AS 644
2-Hole Splice Clevis
Size: 3¹/₂" x 1³/₁₆"
Page 81

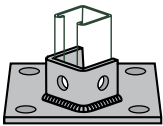


AS 645
3-Hole Splice Clevis
Size: 5³/₈" x 1³/₁₆"
Page 81

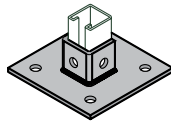


AS 646
4-Hole Splice Clevis
Size: 7¹/₄" x 1³/₁₆"
Page 81

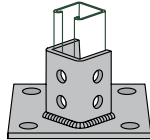
POST BASES



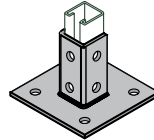
AS 3013
Single Post Base
Page 82



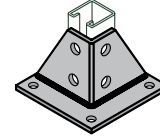
AS 3013SQ
Single Post Base
Page 82



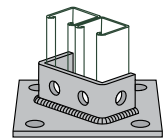
AS 3033
Single Post Base
Page 82



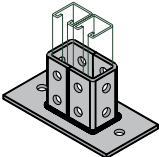
AS 3033SQ
Single Post Base
Page 82



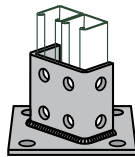
AS 3040
Post Base
Page 82



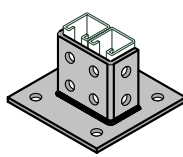
AS 3029
Double Post Base
Page 83



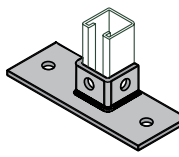
AS 2064
Double Column Post Base
Page 83



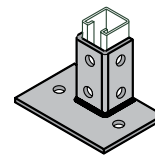
AS 3064
Double Post Base
Page 83



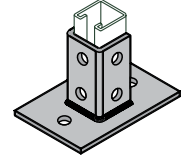
AS 3064SQ
Double Post Base
Page 83



AS 3013FL
Single Post Base
Page 84

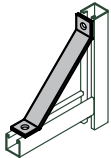


AS 3025FL
Single Post Base
Page 84

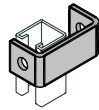


AS 3025
Single Post Base
Page 84

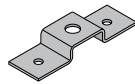
MISCELLANEOUS FITTINGS



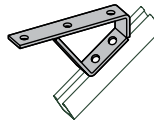
AS 926
Strut Brace
Page 85



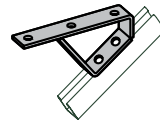
AS 993
Inside Clevis
Page 85



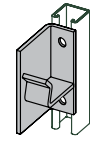
AS 2560, AS 2561
Conduit Connector
Fitting Assembly
Page 85



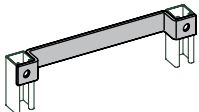
AS 2422
37¹/₂° Stair Support
Page 86



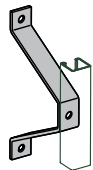
AS 2421
45° Stair Support
Page 86



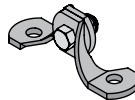
AS 825
RH & LH Pipe Axle
Support
Page 86



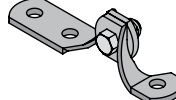
**AS 2401 thru
AS 2403**
Ladder Rung
Page 86



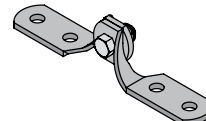
**AS 2404 thru
AS 2408**
Wall Ladder Bracket
Page 86



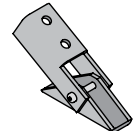
AS 9402
2-Hole Hinge Connector
Page 87



AS 9403
3-Hole Hinge Connector
Page 87

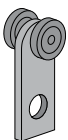


AS 9404
4-Hole Hinge Connector
Page 87

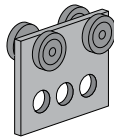


**AS 9400 &
AS 9401**
Adjustable Bases
Page 88

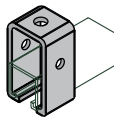
TROLLEYS AND ACCESSORIES



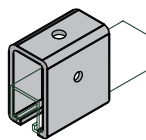
AS 2521
Two Wheel Trolley
Page 89



AS 2522
Four Wheel Trolley
Page 89

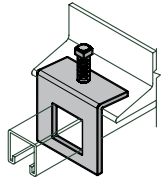


AS 2528
Trolley Beam Standard
Support
Page 89

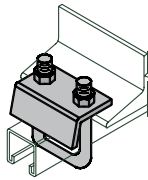


AS 2528-1
Trolley Beam Joint
Support
Page 89

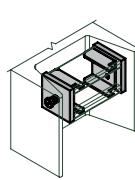
BEAM CLAMPS



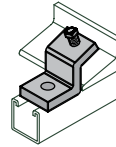
AS 855
Angular "I" Beam Clamp
Page 92



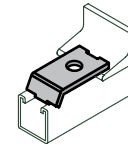
AS 2651
Beam Clamp
Page 92



AS 2654 & AS 2654 A
Column Attachment
Page 92



AS 685
Beam Clamp
Page 92



AS 686
Beam Clamp
Page 92



Fig. 86
Clamp with Lock Nut
Page 93



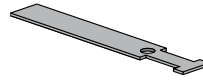
Fig. 93
Top Beam "C" Clamp
Page 93



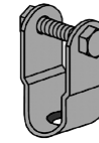
Fig. 94
Top Beam "C" Clamp
Page 93



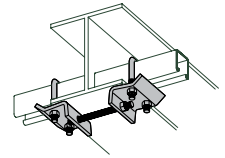
Fig. 95
Clamp with Lock Nut
Page 93



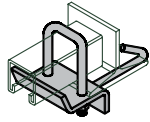
AS 871
Safety Anchor Strap
Page 93



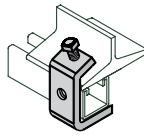
AS 2623
Swivel Adapter
Page 93



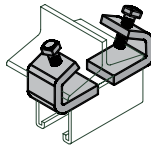
AS 2657
Double "U" Bolt Beam Clamp
Page 94



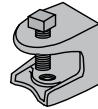
AS 2656
"U" Bolt Beam Clamp with Hook
Page 94



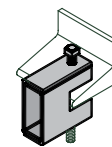
AS 684
Beam Clamp
Page 94



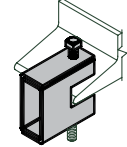
AS 907, AS 908
"I" Beam Clamp
Page 94



AS 85
Rod or Insulator Support
Page 95

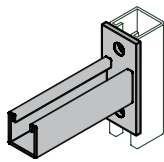


AS 858
Heavy Duty Suspension Rod Beam Clamp
Page 95

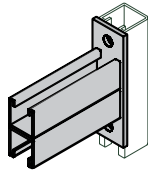


AS 865
Wide Throat Heavy Duty Beam Clamp
Page 95

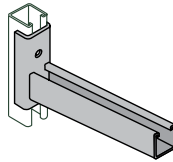
BRACKETS



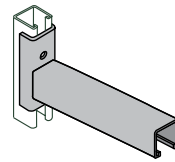
AS 651
Reversible Strut Bracket
Page 98



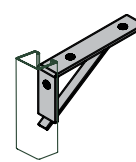
AS 809
Double Channel Bracket
Page 98



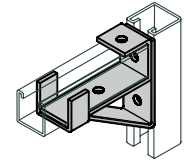
AS 661 T1
Strut Bracket (Slot Up)
Page 98



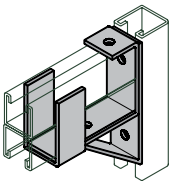
AS 661 T2
Strut Bracket (Slot Down)
Page 98



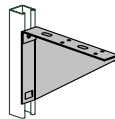
AS 732
Shelf Bracket
Page 99



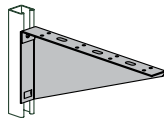
AS 708
Single Channel Bracket Support
Page 99



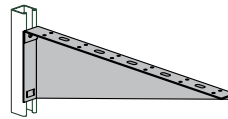
AS 3164
Double Channel Bracket Support
Page 99



AS 838
RH & LH Shelf Bracket
Size Range: 6" thru 10"
Page 100

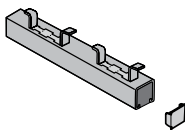


AS 838
RH & LH Shelf Bracket
Size Range: 12" thru 22"
Page 100

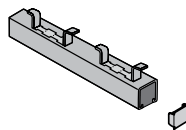


AS 838
RH & LH Shelf Bracket
Size Range: 24" thru 30"
Page 100

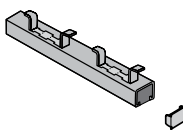
CONCRETE INSERTS



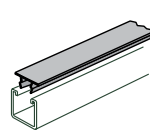
AS 249
Continuous Concrete Insert
Page 102



AS 349
Continuous Concrete Insert
Page 103



AS 449
Continuous Concrete Insert
Page 104



AS 6151
Plastic Closure Strip
Page 105

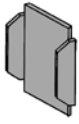


Fig. 152
Screw Concrete Insert
Page 105

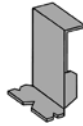


Fig. 285
Light Weight Concrete Insert
Page 105

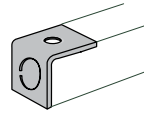
END CAPS



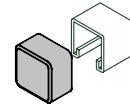
**AS 655, AS 656, AS 901,
AS 902, AS 930, AS 2580**
Type "A" End Cap
Page 106



AS 652, AS 653, AS 654
Type "B" End Cap
Page 106

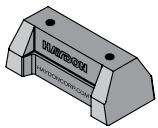


AS 2511
End Cap with Knock Out
(Conduit End Cap)
Page 106

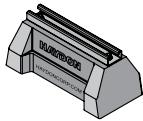


AS 6153
Plastic Red & White Safety End Cap
Page 106

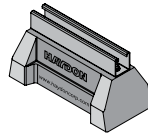
H-BLOCK ROOFTOP SUPPORT SYSTEM



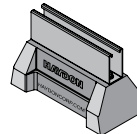
**HBS-Standard
Base**
Base Rubber Support -
Base Only
Page 109



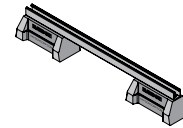
HBS Series
HBS-Support with $\frac{1}{16}$ "
H-164 Pre-Galv. Steel
Channel
Page 110



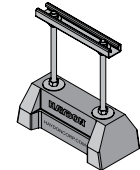
HBS Series
HBS-Support with $\frac{1}{8}$ "
H-132 Pre-Galv. Steel
Channel
Page 110



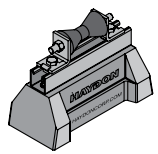
HBS-6 Series
HBS-Support with $\frac{2}{16}$ "
H-122 Pre-Galv. Steel
Channel
Page 111



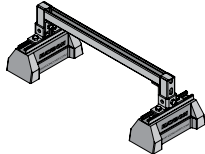
**HBS-CB
Bridge Series**
Bridge Length Supports
with 2 HBS Bases and
Channel
Page 112



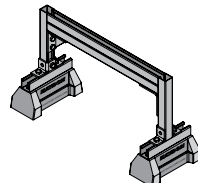
**HBS-CE
Extension Series**
Support with Threaded Rod
Extension and Channel
Page 113



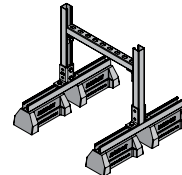
**HBS-R Roller
Series**
With $\frac{1}{8}$ " H-132 Pre-Galv.
Steel Channel with Rollers
Page 114



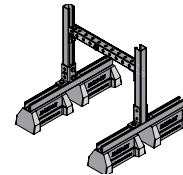
HBS-CES Series
Raised Bridge Length with
2 HBS Bases $\frac{1}{8}$ "
H-132 Pre-Galv. Steel
Channel
Page 115



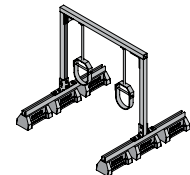
HBS-CES Series
Raised Bridge Length with
2 HBS Bases $\frac{3}{4}$ "
H-132-A Back-to-Back
Pre-Galv. Steel Channel
Page 115



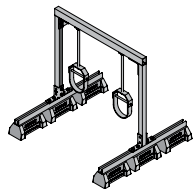
**HBS-DSFW Fixed
Width Duct
Support**
HBS-DS Duct Support
Series with Fixed Width and
Adjustable Height
Page 116



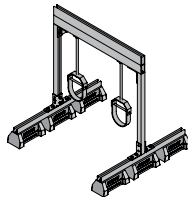
**HBS-DSAW
Adjustable Duct
Support**
HBS-DS Duct Support
Series with Adjustable
Width and Height
Page 117



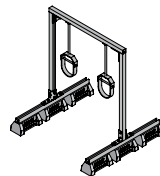
**HBS-PH 36" Light
Duty Pipe
Hanger Support**
Series with H-132PG Top
Support
Page 118



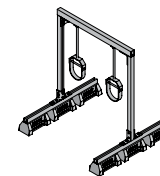
**HBS-PH 36" Medium
Duty Pipe Hanger
Support**
Series with H-122PG or
H-122PG Top Support
Page 119



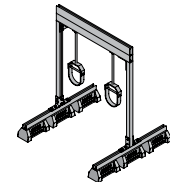
**HBS-PH 36" Heavy
Duty Pipe Hanger
Support**
Series with H-122PG or
H-112PG Top Support
Page 120



**HBS-PH 48" Light
Duty Pipe Hanger
Support**
Series with H-132PG Top Support
Page 121

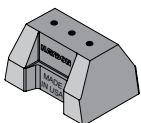


**HBS-PH 48" Medium
Duty Pipe Hanger
Support**
Series with H-122PG or
H-112PG Top Support
Page 122

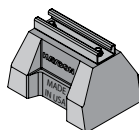


**HBS-PH 48" Heavy
Duty Pipe Hanger
Support**
Series with H-122APG or
H-112APG Top Support
Page 123

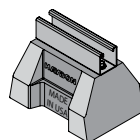
H-BLOCK MINI ROOFTOP SUPPORT SYSTEM



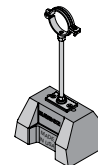
HBM-Mini Base Only
Base Rubber Support - Base Only
Page 124



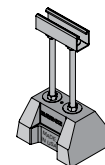
HBM Series
HBM-Support with $\frac{1}{16}$ " H-164
Pre-Galv. Steel Channel
Page 125



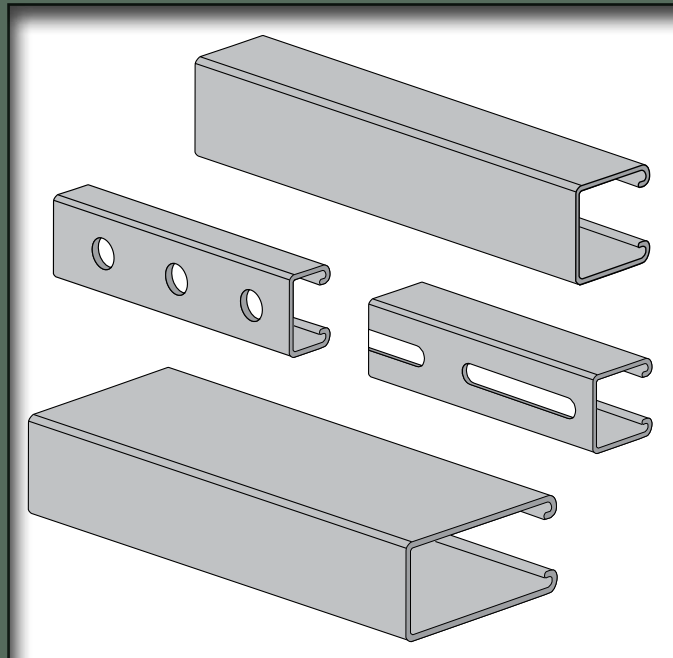
HBM Series
HBM-Support with $\frac{1}{8}$ "
H-132 Pre-Galv. Steel Channel
Page 125



HBM-HPC Series
HBM-Hinged Pipe Clamp
Page 126



**HBM-CE5
Extension Series**
Support with Threaded Rod
Extension and Channel
Page 127



Specifications

GENERAL

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

WELDING

Channel combinations of two or more elements are spot welded together to form various multiple combinations, see page 49. The spot welds are spaced two or three inches on centers throughout the length of the multiple channel sections.

LENGTH INFORMATION

Anvil-Strut Channels are produced and stocked in 10' and 20' lengths with a tolerance of $\pm 1/8"$. Other lengths are available upon request.

LOADING DATA

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

MATERIAL

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

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

FINISHES

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

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

LEGEND:

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

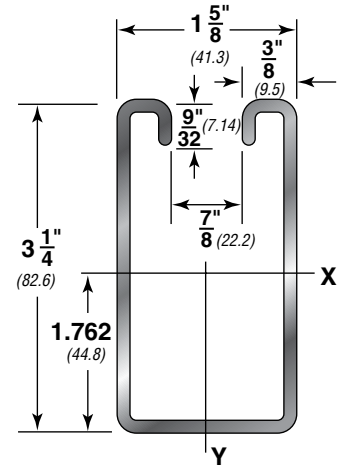
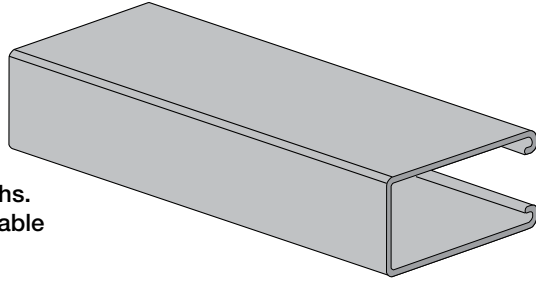
AS 100

3 1/4" X 1 5/8" (82.6 x 41.3mm)

12 Gauge Channel • wt./100 ft. - 313#

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

See pages 16-17, 49 for welded combinations.



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 100	3.13	4.7	0.887	5.723	1.100	45.785	0.633	10.373	1.114	2.830	0.431	17.940	0.530	8.685	0.697	1.770

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

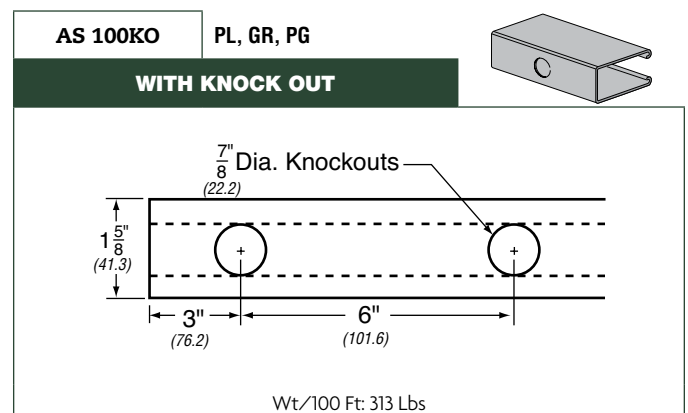
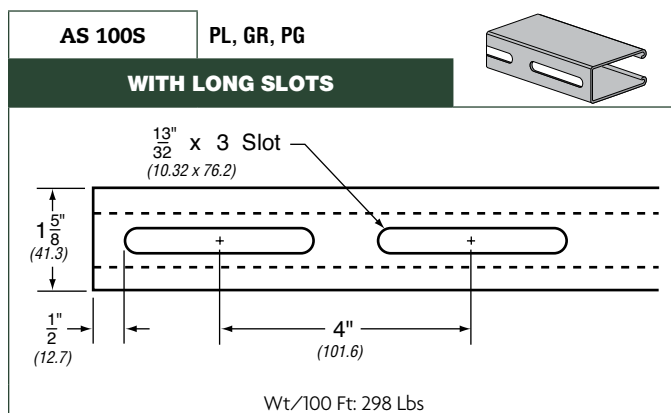
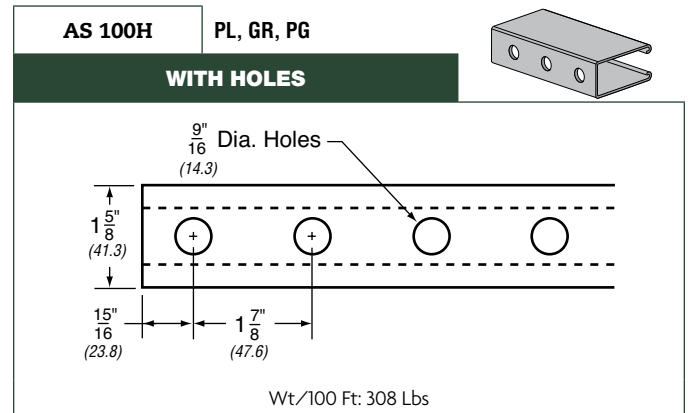
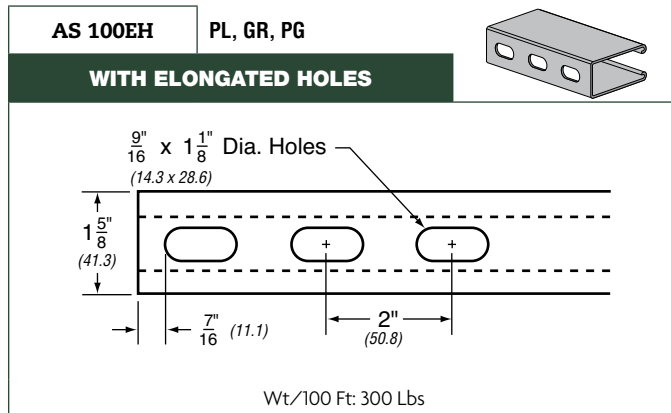
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

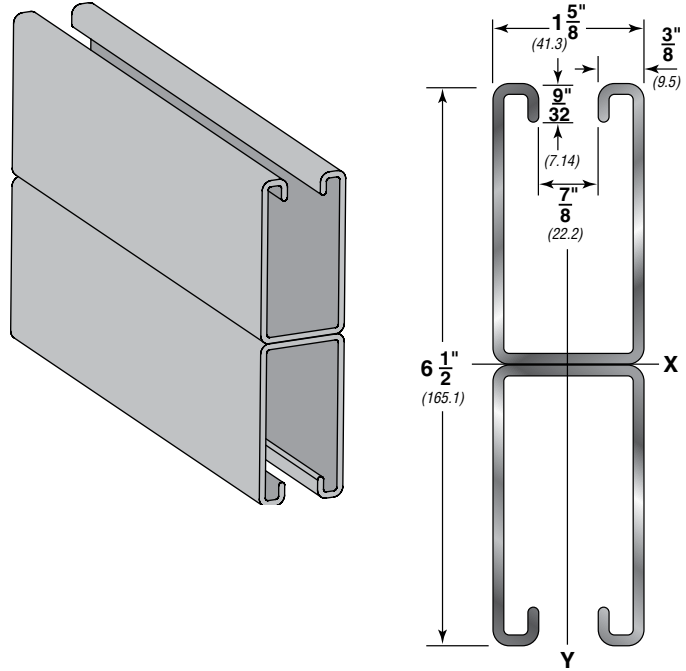
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

AS 100 BTB

6 1/2" X 1 5/8" (165.1 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 626#

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



PROPERTIES OF SECTION

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

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82%.

Table of Contents

- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Kio-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

LEGEND:

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

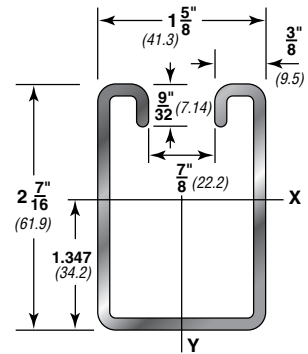
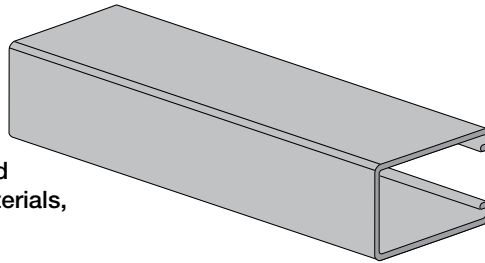
AS 150

27/16" X 15/8" (61.9 x 41.3mm)

12 Gauge Channel • wt./100 ft. - 254#

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

See pages 20-21, 49 for welded combinations.



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 150	2.54	3.8	0.720	4.645	0.525	21.852	0.396	6.489	0.854	2.169	0.334	13.902	0.411	6.735	0.681	1.730

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

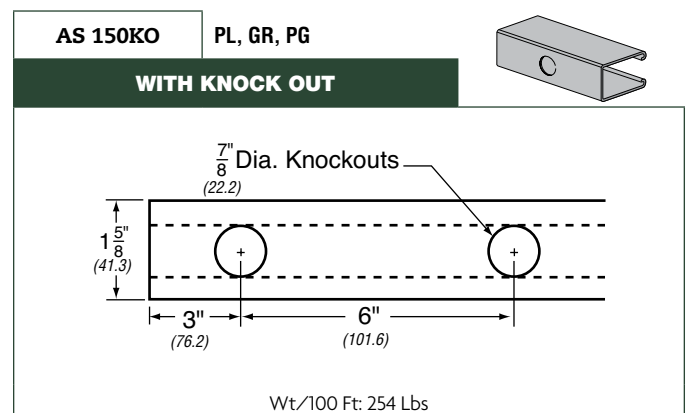
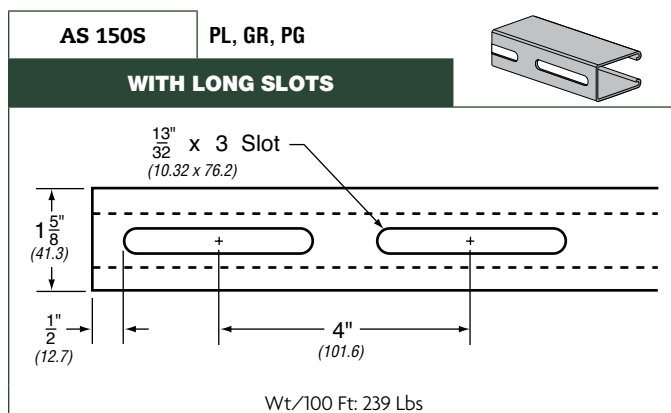
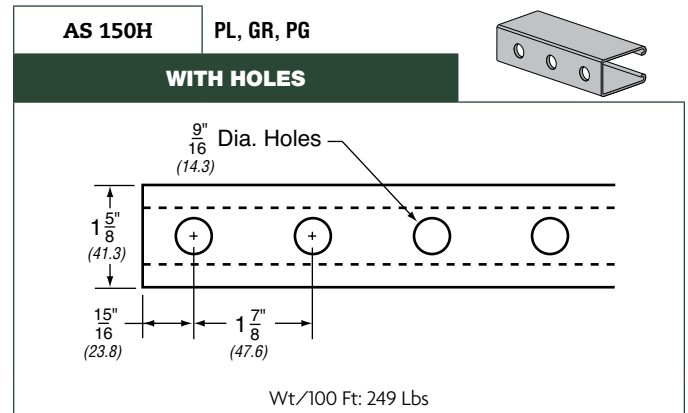
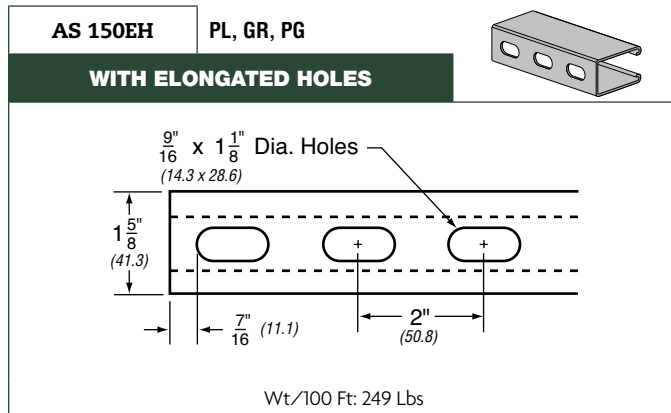
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

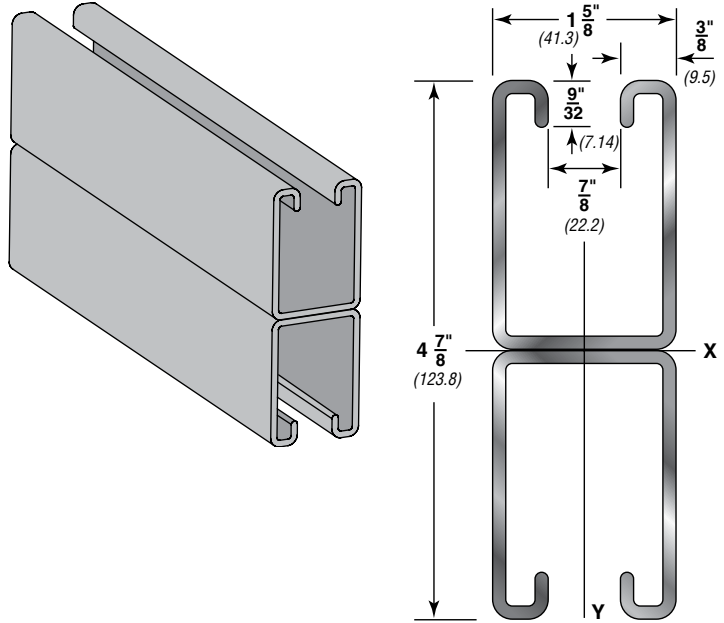
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes.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

AS 150 BTB

4⁷/₈" X 1⁵/₈" (123.8 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 508#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 150 BTB	5.08	7.6	1.439	9.284	2.832	117.876	1.162	19.042	1.403	3.564	0.667	27.763	0.82	13.437	0.681	1.730

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82% .

LEGEND:

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

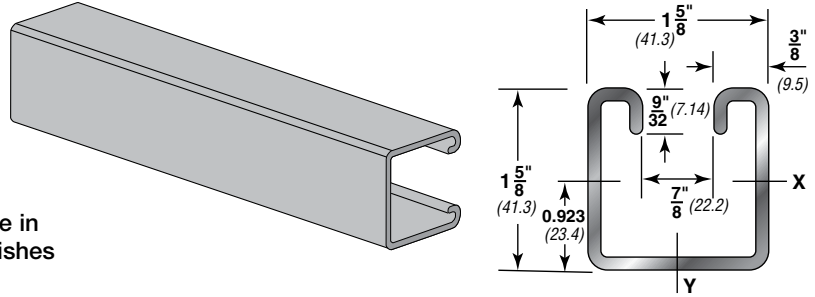
AS 200

1 5/8" X 1 5/8" (41.3 x 41.3mm)

12 Gauge Channel • wt./100 ft. - 194#

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

See pages 24-25, 49 for welded combinations.



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 200	1.94	2.9	0.552	3.561	0.188	7.825	0.208	3.409	0.584	1.483	0.236	9.823	0.290	4.752	0.654	1.661

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, H3 (1/16 holes) by 88%
- KO by 82%.

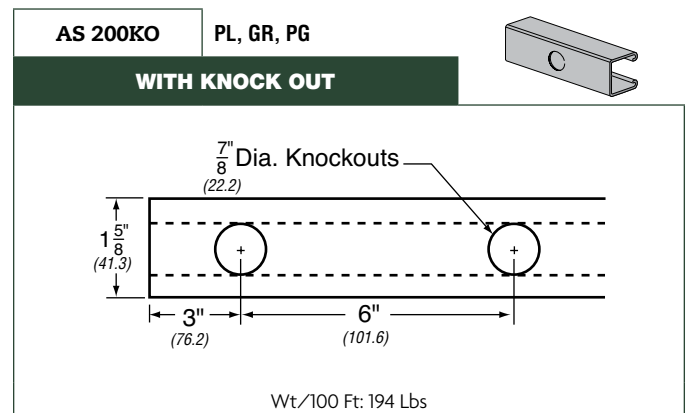
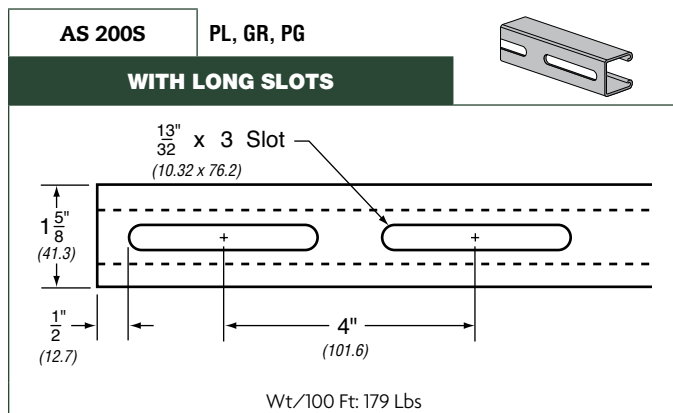
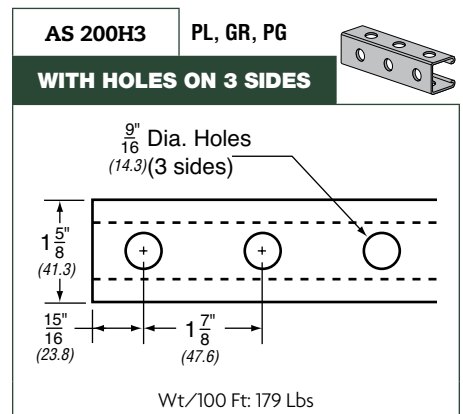
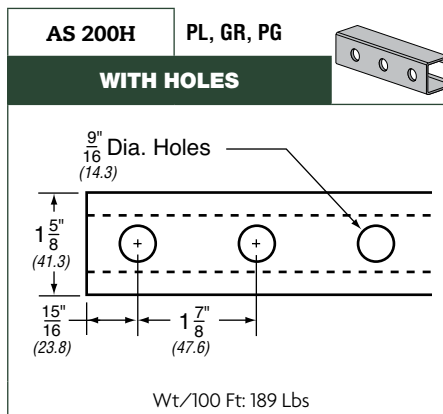
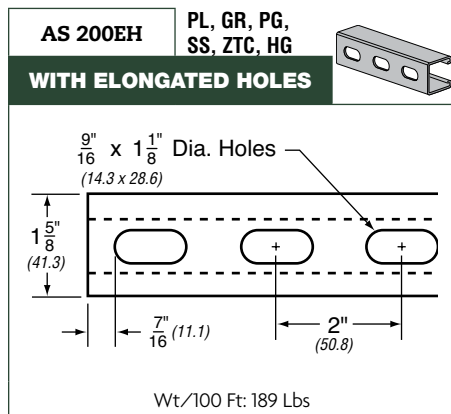
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

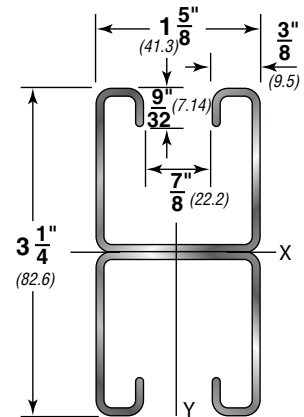
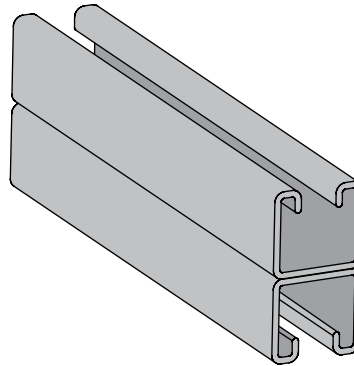
GR: Powder Coated Supr-Green EG: Electro-Galvanized PG: Pre-Galvanized AL: Aluminum HG: Hot Dipped Galvanized PL: Plain SS: Stainless Steel ZTC: Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes. Pricing is located in the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

AS 200 BTB

3 1/4" X 1 5/8" (82.6 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 388#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 200 BTB	3.88	5.8	1.104	7.123	0.947	39.417	0.583	9.554	0.926	2.352	0.473	19.688	0.582	9.537	0.655	1.664

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

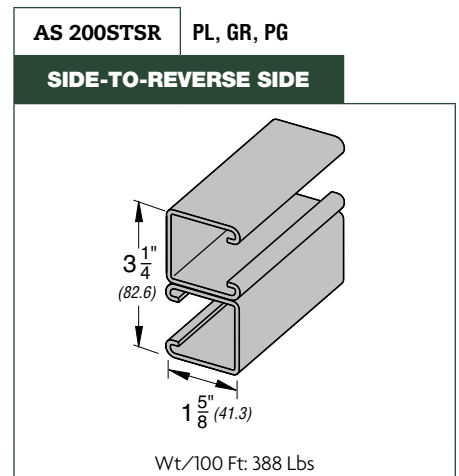
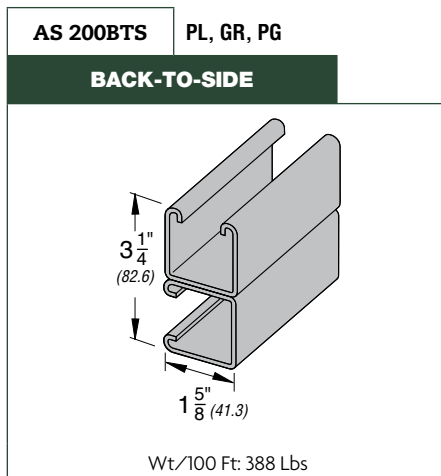
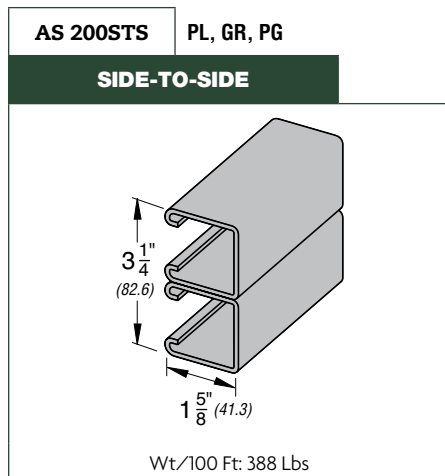
Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82%.



LEGEND:

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

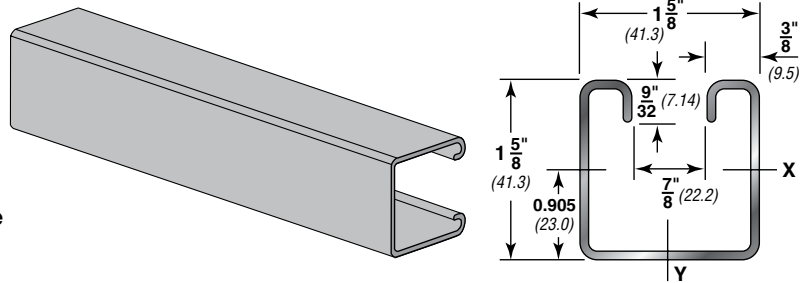
AS 210

1 5/8" X 1 5/8" (41.3 x 41.3mm)

14 Gauge Channel • wt./100 ft. - 145#

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

See pages 28-29, 49 for welded combinations.



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 210	1.45	2.2	0.416	2.684	0.149	6.202	0.166	2.720	0.598	1.519	0.183	7.617	0.225	3.687	0.663	1.684

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

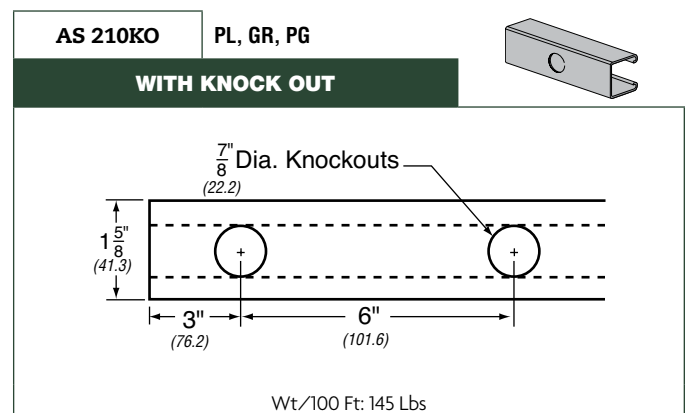
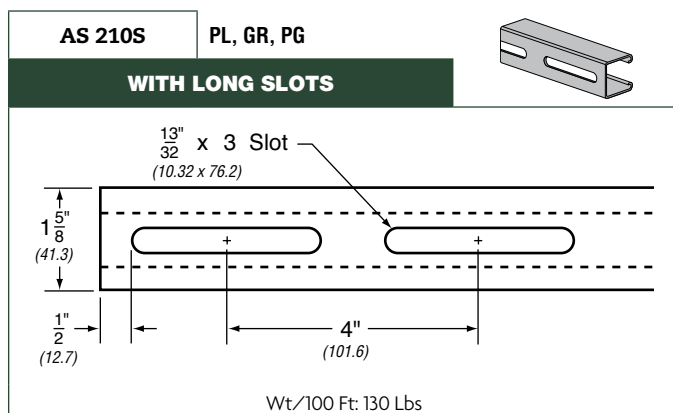
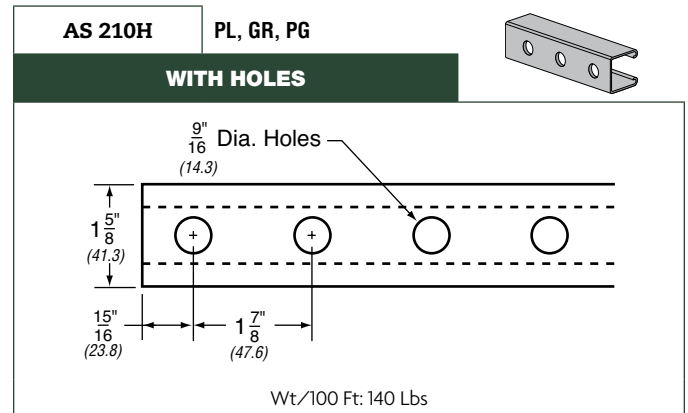
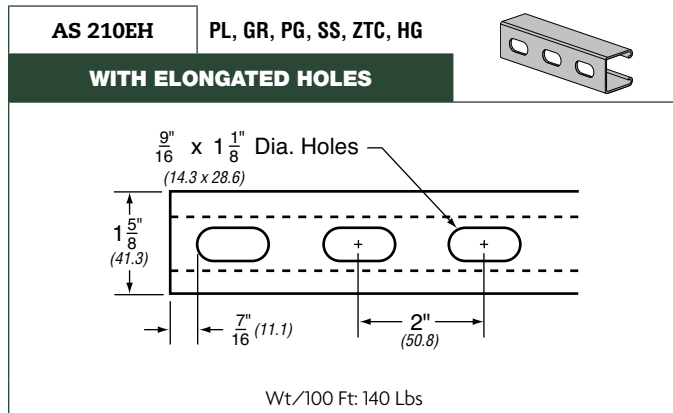
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

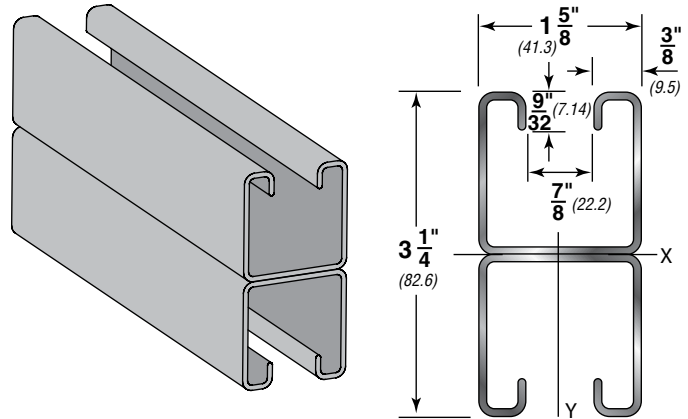
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes.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

AS 210 BTB

3 1/4" X 1 5/8" (82.6 x 41.3mm)

14 Gauge Back-to-Back • wt./100 ft. - 290#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 210 BTB	2.9	4.3	0.832	5.368	0.741	30.843	0.456	7.473	0.944	2.398	0.366	15.234	0.45	7.374	0.663	1.684

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82% .

LEGEND:

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

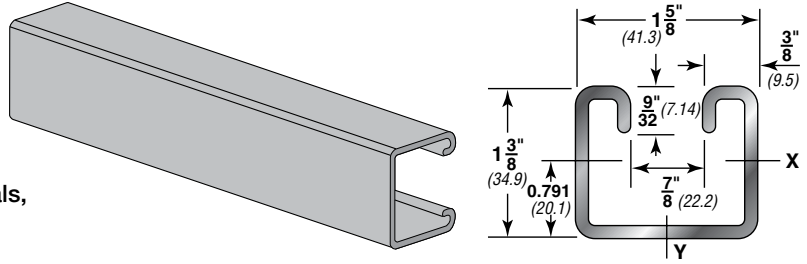
AS 300

1 3/8" X 1 5/8" (34.9 x 41.3mm)

12 Gauge Channel • wt./100 ft. - 176#

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

See pages 32-33, 49 for welded combinations.



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. CM	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 300	1.76	2.6	0.5	3.226	0.123	5.120	0.159	2.606	0.496	1.260	0.206	8.574	0.253	4.146	0.642	1.631

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

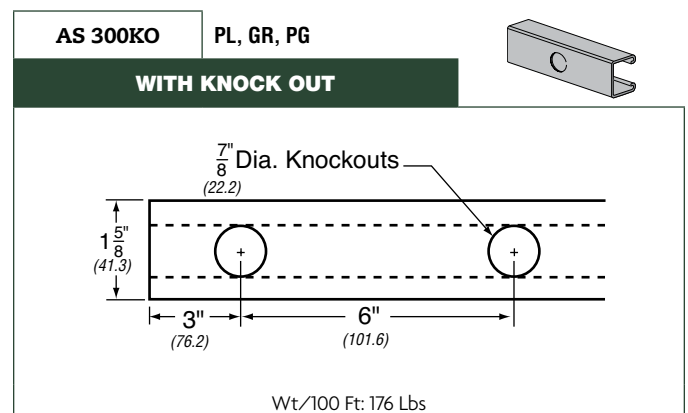
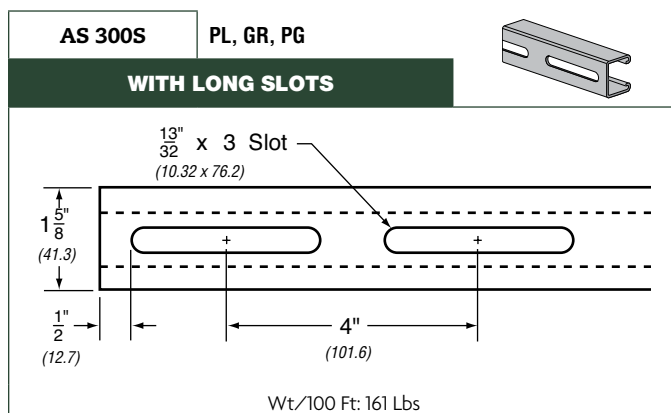
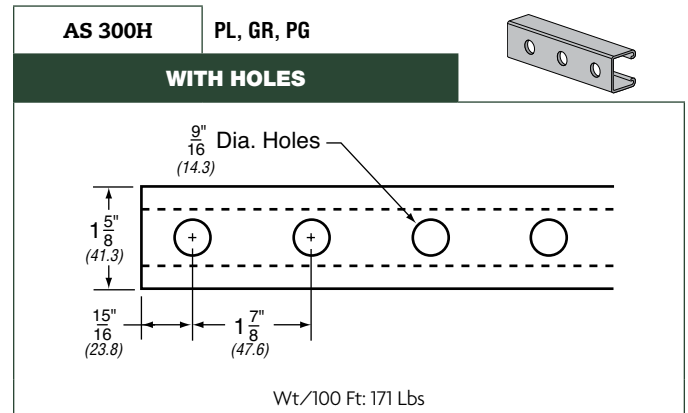
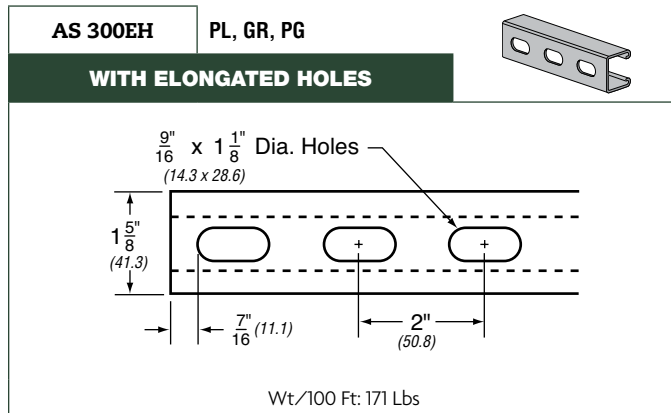


Table of Contents

Channel

Channel Nuts & Hardware

Pipe & Conduit Supports

Kio-Shure

Flat Plates

Angle Fittings & Connectors

"Z" Supports

Wing Fittings

"U" Supports

Splice Clevises

Post Bases

Miscellaneous Fittings

Trolleys & Accessories

Beam Clamps

Brackets

Concrete Inserts

End Caps

LEGEND:

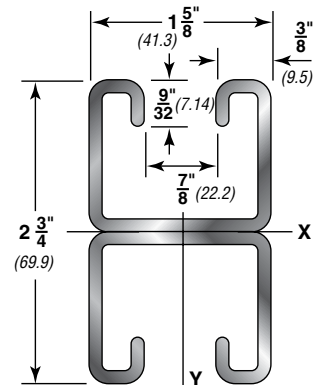
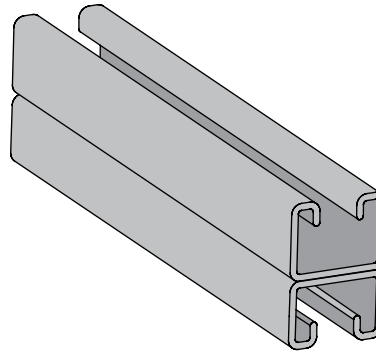
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes.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

AS 300 BTB

2³/₄" X 1⁵/₈" (69.9 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 352#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 300 BTB	3.52	5.2	1.001	6.458	0.607	25.265	0.441	7.227	0.779	1.979	0.413	17.190	0.508	8.325	0.642	1.631

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

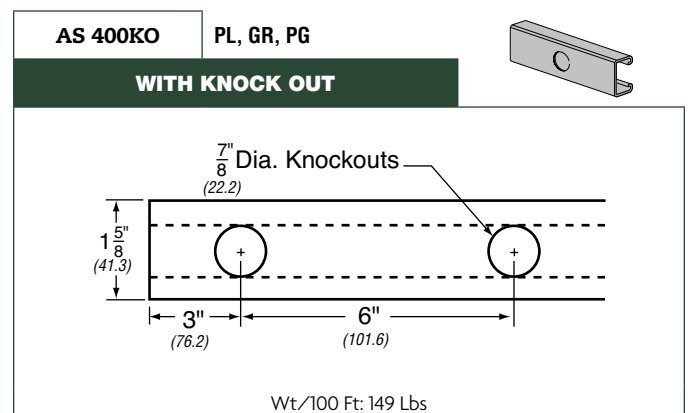
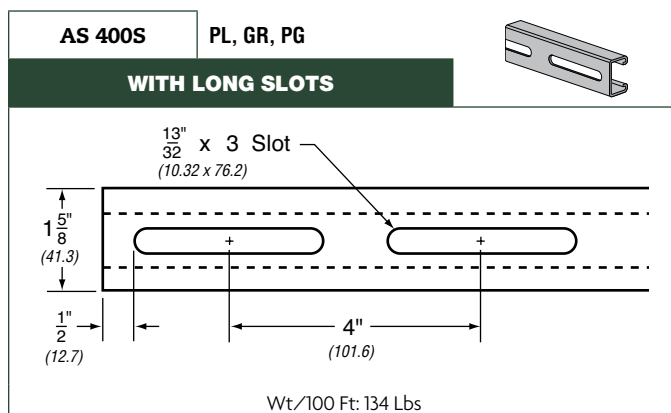
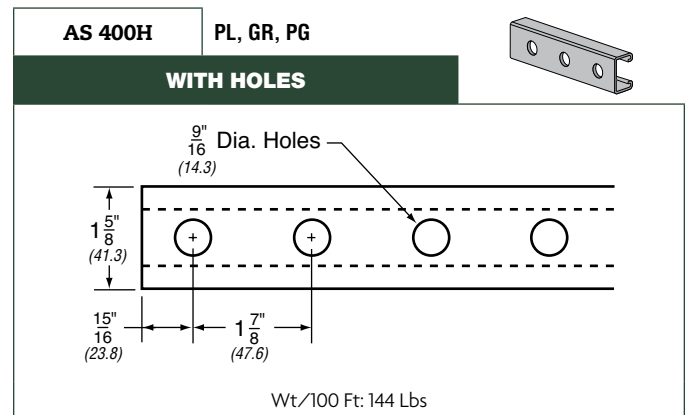
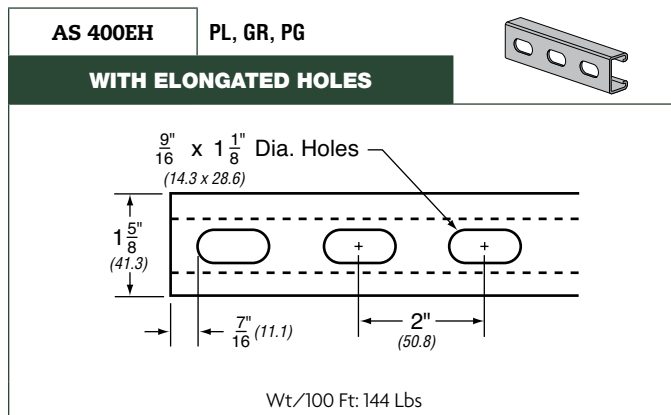
- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82%.

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

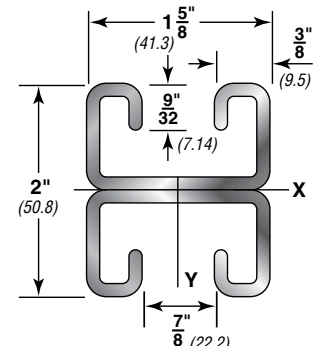
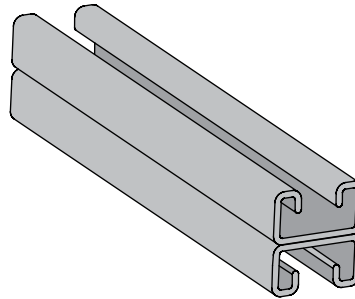
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

AS 400 BTB

2" X 1 5/8" (50.8 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 298#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 400 BTB	2.98	4.4	0.846	5.458	0.261	10.864	0.261	4.277	0.555	1.410	0.323	13.444	0.397	6.506	0.618	1.570

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82% .

LEGEND:

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

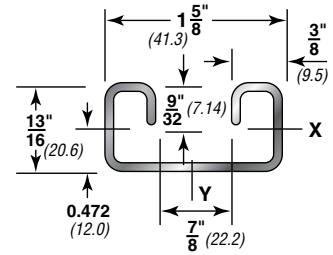
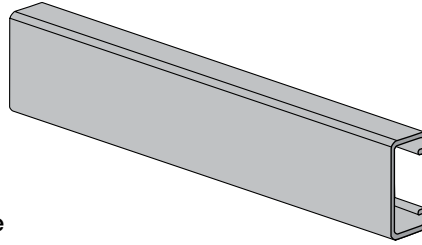
AS 500

1³/₁₆" X 1⁵/₈" (20.6 x 41.3mm)

14 Gauge Channel • wt./100 ft. - 103#

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

See pages 40-41, 49 for welded combinations.



PROPERTIES OF SECTION

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

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

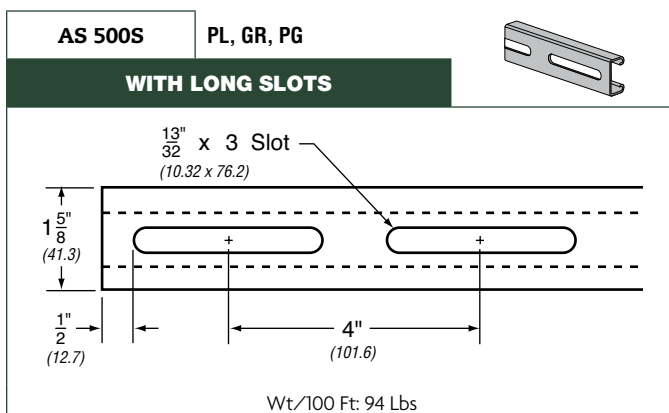
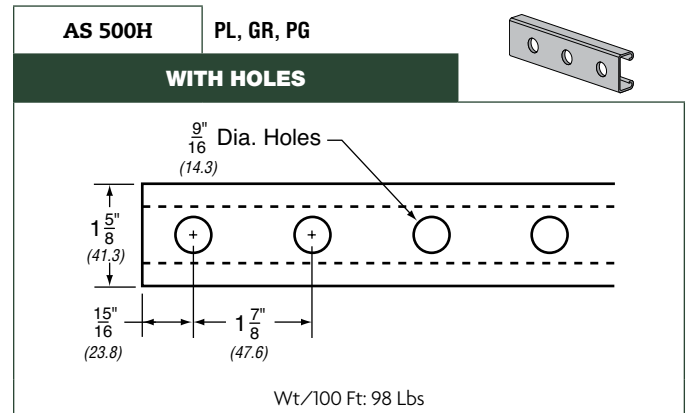
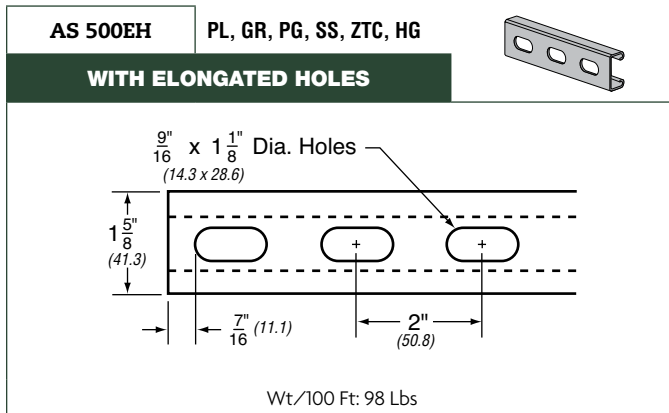
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

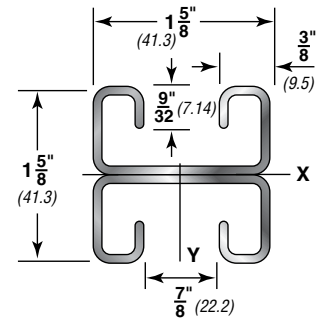
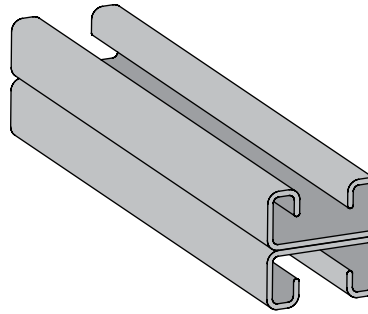
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

AS 500 BTB

1 5/8" X 1 5/8" (41.3 x 41.3mm)

14 Gauge Back-to-Back • wt./100 ft. - 206#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 500 BTB	2.06	3.1	0.589	3.800	0.123	5.120	0.151	2.474	0.457	1.161	0.22	9.157	0.271	4.441	0.611	1.552

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82% .

LEGEND:

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

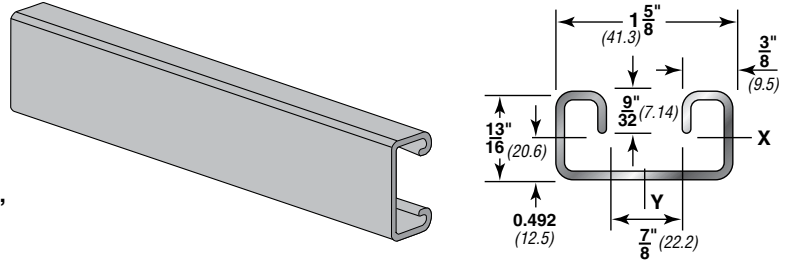
AS 520

1 3/16" X 1 5/8" (20.6 x 41.3mm)

12 Gauge Channel • wt./100 ft. - 135#

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

See pages 44-45, 49 for welded combinations.



PROPERTIES OF SECTION

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

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

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

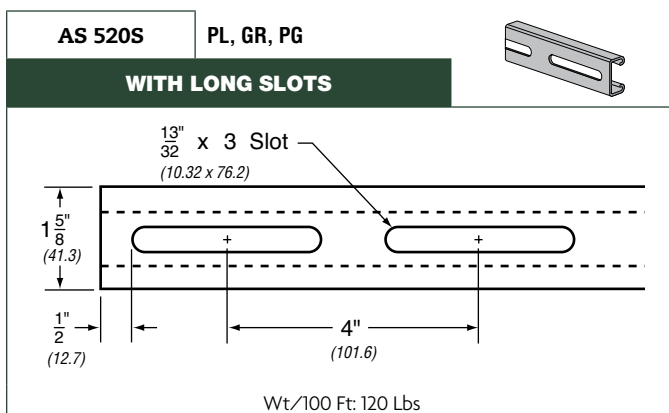
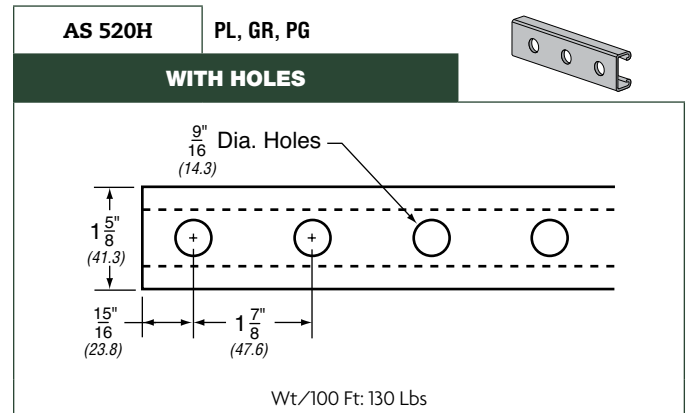
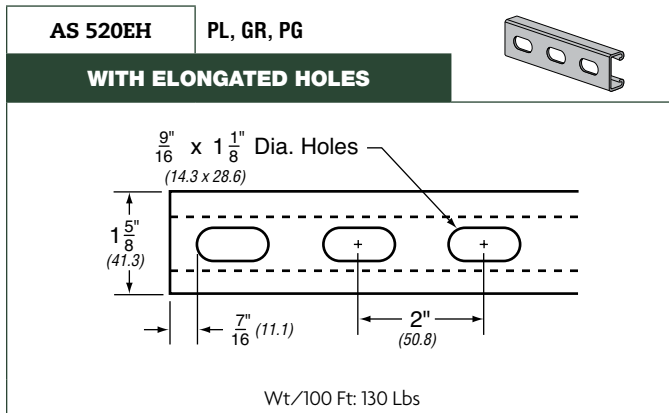
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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



LEGEND:

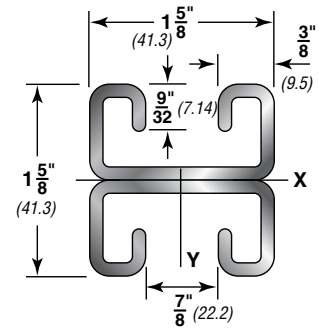
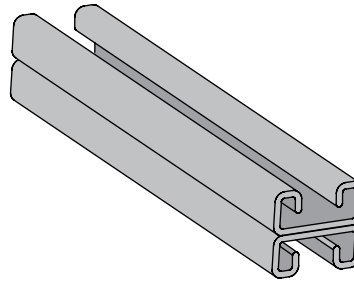
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes.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

AS 520 BTB

1 5/8" X 1 5/8" (41.3 x 41.3mm)

12 Gauge Back-to-Back • wt./100 ft. - 270#

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



PROPERTIES OF SECTION

Catalog No.	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs.	Kg	Sq. In.	Sq. cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm
AS 520 BTB	2.7	4.0	0.769	4.961	0.152	6.327	0.187	3.064	0.445	1.130	0.278	11.571	0.342	5.604	0.601	1.527

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

BEAM & COLUMN LOADS

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

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

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

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

1. The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
2. Refer to page 50 for reduction factors for unbraced lengths

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

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

- EH by 88%, S by 90%,
- H (1/16 holes) by 88%, KO by 82% .

LEGEND:

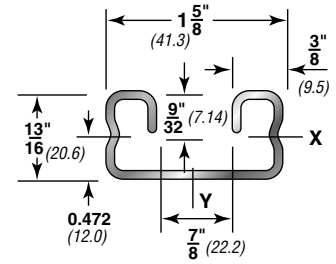
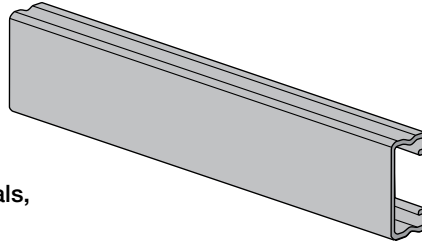
GR: Powder Coated Supr-Green EG: Electro-Galvanized PG: Pre-Galvanized AL: Aluminum HG: Hot Dipped Galvanized PL: Plain SS: Stainless Steel ZTC: Zinc Trivalent Chromium
 Stainless Steel (SS), Zinc Trivalent Chromium (ZTC) and Hot Dipped Galvanized (HG) are specialty finishes. Pricing is located in the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

AS 560

1³/₁₆" X 1⁵/₈" (20.6 x 41.3mm)

16 Gauge Channel • wt./100 ft. - 86#

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



PROPERTIES OF SECTION

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

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

BEAM & COLUMN LOADS

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

Bearing Load may limit load

** Not recommended - KL/r exceeds 200

Notes

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

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

EH by 88%

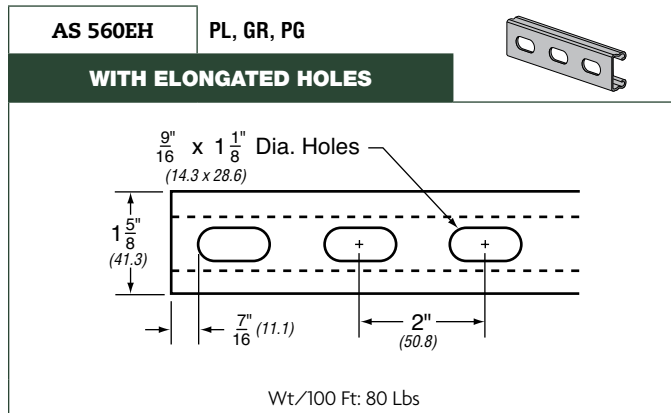
4. Refer to page 50 for reduction factors for unbraced lengths

LEGEND:

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

BEAM & COLUMN LOADS - METRIC

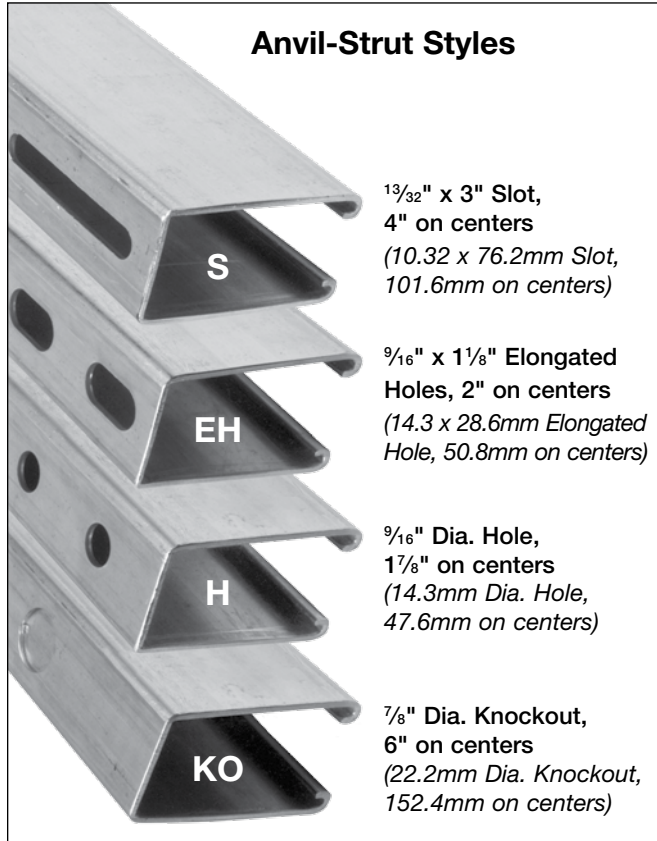
Span or Unbraced Height	Static Beam Load (X-X Axis)						Max. Allowable Load at Slot Face	Column Loading Data			
	Max Allowable Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection					Max. Column Load Applied at C.G.			
			Span/180 Deflection	Span/240 Deflection	Span/360 Deflection	Weight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



LEGEND:

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

ANVIL-STRUT CHANNEL FABRICATION DATA



"S" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100S	12	3 $\frac{1}{4}$ " X 1 $\frac{5}{8}$ "	298
AS 150S	12	2 $\frac{7}{16}$ " X 1 $\frac{5}{8}$ "	239
AS 200S	12	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	179
AS 210S	14	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	130
AS 300S	12	1 $\frac{3}{8}$ " X 1 $\frac{5}{8}$ "	161
AS 400S	12	1" X 1 $\frac{5}{8}$ "	134
AS 500S	14	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	94
AS 520S	12	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	125

"H" CHANNEL ($\frac{9}{16}$ HOLES)

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100H	12	3 $\frac{1}{4}$ " X 1 $\frac{5}{8}$ "	308
AS 150H	12	2 $\frac{7}{16}$ " X 1 $\frac{5}{8}$ "	249
AS 200H	12	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	189
AS 210H	14	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	140
AS 300H	12	1 $\frac{3}{8}$ " X 1 $\frac{5}{8}$ "	171
AS 400H	12	1" X 1 $\frac{5}{8}$ "	144
AS 500H	14	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	98
AS 520H	12	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	130

"EH" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100EH	12	3 $\frac{1}{4}$ " X 1 $\frac{5}{8}$ "	308
AS 150EH	12	2 $\frac{7}{16}$ " X 1 $\frac{5}{8}$ "	254
AS 200EH	12	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	189
AS 210EH	14	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	140
AS 300EH	12	1 $\frac{3}{8}$ " X 1 $\frac{5}{8}$ "	171
AS 400EH	12	1" X 1 $\frac{5}{8}$ "	144
AS 500EH	14	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	98
AS 520EH	12	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	130
AS 560EH	16	1 $\frac{3}{16}$ " X 1 $\frac{5}{8}$ "	98

"KO" CHANNEL

Catalog No.	Gauge	Dimensions	Wt./100 Ft.
AS 100KO	12	3 $\frac{1}{4}$ " X 1 $\frac{5}{8}$ "	313
AS 150KO	12	2 $\frac{7}{16}$ " X 1 $\frac{5}{8}$ "	254
AS 200KO	12	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	194
AS 210KO	14	1 $\frac{5}{8}$ " X 1 $\frac{5}{8}$ "	145
AS 300KO	12	1 $\frac{3}{8}$ " X 1 $\frac{5}{8}$ "	176
AS 400KO	12	1" X 1 $\frac{5}{8}$ "	149

LEGEND:

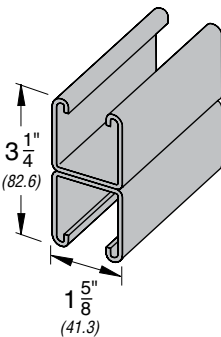
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

WELDED COMBINATIONS

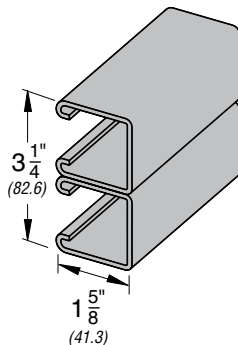
All welded combinations illustrated below are available in any of our Anvil-Strut channels (1 5/8" x 3 1/4" shown), in any of the following material or finishes: Plain, Pre-Galvanized, powder coated Supr-Green or Stainless Steel.

NOTE: SLOTTED CHANNELS AVAILABLE IN ALL WELDED COMBINATIONS.

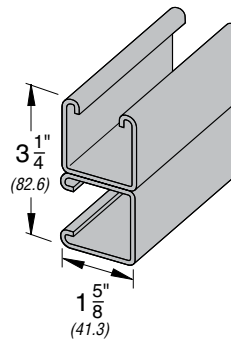
Suffix BTB



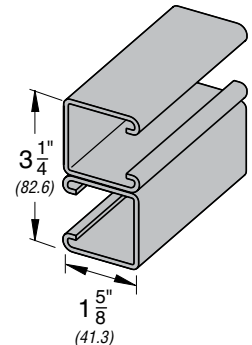
Suffix STS



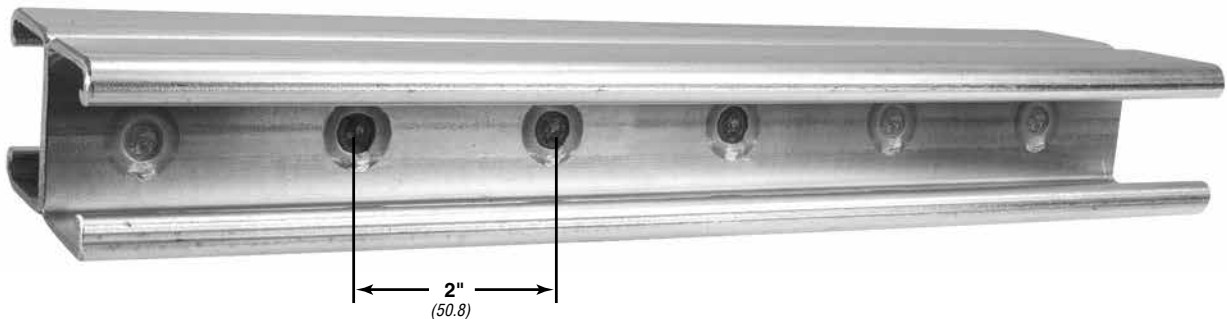
Suffix BTS



Suffix STSR



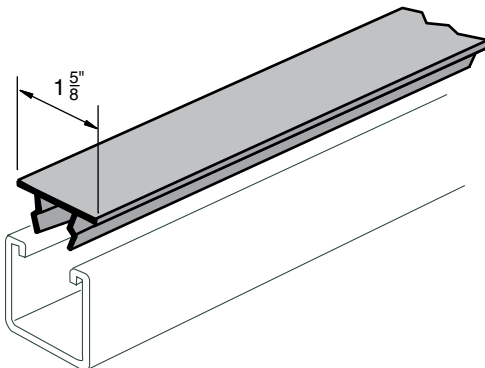
Our welded channels are spot welded 2" (50.8mm) on center, dimensions shown are for welded variations of any channel with or without slotted holes.



AS 707

GR, PG

METAL RACEWAY CLOSURE STRIP

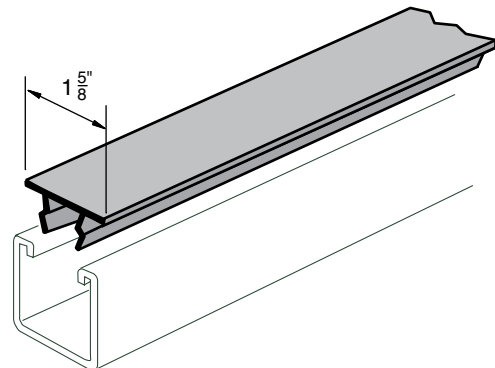


Wt/100 Ft: 47 Lbs

AS 707P

GR, Grey, White

METAL PAINTED CLOSURE STRIP



Wt/100 Ft: 10 Lbs

LEGEND:

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

LATERAL BRACING LOAD REDUCTION CHARTS

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

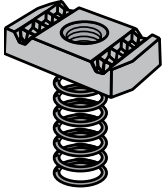
Span		Back-to-Back Channel							
In	mm	AS 100 BTB	AS 150 BTB	AS 200 BTB	AS 210 BTB	AS 300 BTB	AS 400 BTB	AS 500 BTB	AS 520 BTB
12	305	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	457	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24	610	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	762	1.00	1.00	1.00	1.00	1.00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

LEGEND:

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

AS LS **EG**

CLAMPING NUT WITH LONG SPRING

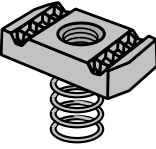


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
1/4"	20	1/4"	7	AS 100, AS 150
3/8"	16	3/8"	10	
1/2"	13	3/8"	10	
5/8"	11	7/16"	23	
3/4"	10	7/16"	20	

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

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

CLAMPING NUT WITH REGULAR SPRING

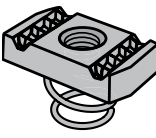


Size	Thd.	Thk.	Wt./100 Pcs.	Available in SS Finish	Use with Channel
1/4"	20	1/4"	7	SS	AS 200, AS 210, AS 300
5/16"	18	3/8"	7	—	
3/8"	16	3/8"	10	SS	
1/2"	13	1/2"	13	SS	
5/8"	11	7/16"	23	—	
3/4"	10	7/16" - 1/2"	20	—	
7/8"	9	7/16" - 1/2"	17	—	

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

AS SS **EG, ZTC**

CLAMPING NUT WITH SHORT SPRING

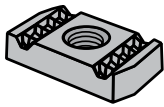


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
#8	32	—	7	AS 400, AS 500, AS 560
#10	24	—	7	
#10	32	—	7	
1/4"	20	1/4"	7	
5/16"	18	3/8"	7	
3/8"	16	3/8"	9	
1/2"	13	3/8"	9	
5/8"	11	3/8"	10	

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

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

CLAMPING NUT WITHOUT SPRING

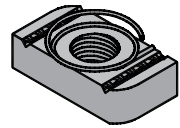


Size	Thd.	Thk.	Wt./100 Pcs.	Available in SS Finish	Use with Channel
#10	24	5/32" - 1/4"	7	—	All Anvil-Strut
1/4"	20	1/4"	6	SS	
5/16"	18	3/8"	7	—	
3/8"	16	3/8"	9	SS	
1/2"	13	3/8"	9	—	
1/2"	13	1/2"	12	SS	AS 100, AS 150, AS 200, AS 210, AS 300
5/8"	11	7/16" - 1/2"	20	—	
3/4"	10	7/16" - 1/2"	18	—	
7/8"	9	7/16" - 1/2"	16	—	All Anvil-Strut
5/8"	11	3/8"	14	—	
3/4"	10	3/8"	14	—	

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

AS TG **EG, ZTC**

TOP GRIP NUT WITH SPRING ON TOP

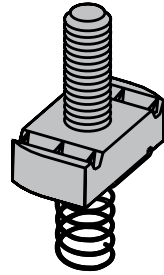


Size	Thd.	Thk.	Wt./100 Pcs.	Use with Channel
1/4"	20	1/4"	6	All Anvil-Strut
5/16"	18	3/8"	7	
3/8"	16	3/8"	9	
1/2"	13	3/8"	9	

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

AS 517 **EG**

STUD NUT WITH RS SPRING



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

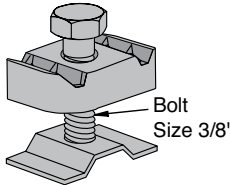
Std Pkg: 100 · Wt/100 pcs: See chart above.

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
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty finishes. Pricing is located in the Specialty Strut Section of the Anvil-Strut price book.

AS 3500 EG, ZTC

SEISMIC ROD STIFFENER



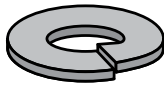
Bolt
Size 3/8"

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

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

AS 211 EG

LOCK WASHER




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

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

AS 83 EG

HEXAGON NUT

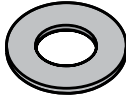


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	500	0.6
3/8"	500	1.6
1/2"	100	4.8
5/8"	50	7.0
3/4"	50	12.0

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

AS 209 EG

FLAT WASHER

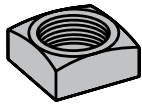


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	200	0.7
3/8"	100	1.5
1/2"	100	3.5
5/8"	100	8.0
3/4"	100	11.0

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

AS 6108 EG

SQUARE NUT

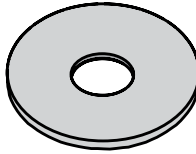


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	100	0.9
5/16"	100	1.6
3/8"	100	2.6
1/2"	100	5.8

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

AS 230 EG

FENDER WASHER

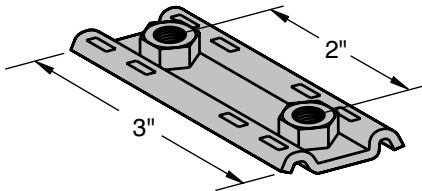


Size	Std. Pkg.	Wt./100 Pcs.
1/4"	100	3.3
3/8"	100	3.0
1/2"	100	2.8

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

AS 3281 EG

DOUBLE CONVEYOR ADJUSTING NUT



Use for all 1 1/2" wide Anvil-Strut channels. Size 3/8", Threads 16
 Wt/100 pcs: 175 Lbs

Table of Contents

Channel

Channel Nuts & Hardware

Pipe & Conduit Supports

Kio-Shure

Flat Plates

Angle Fittings & Connectors

"Z" Supports

Wing Fittings

"U" Supports

Splice Clevises

Post Bases

Miscellaneous Fittings

Trolleys & Accessories

Beam Clamps

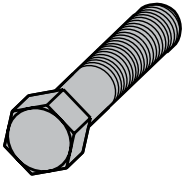
Brackets

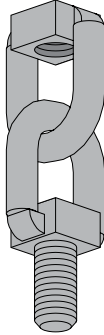
Concrete Inserts

End Caps

LEGEND:

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

AS 6024	EG	HEX HEAD CAP SCREW																																																																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Diameter</th> <th style="width: 25%;">Length</th> <th style="width: 25%;">Wt./100 Pcs.</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr><td>1/4"</td><td>3/4"</td><td>1.3</td><td></td></tr> <tr><td>1/4"</td><td>1"</td><td>1.7</td><td></td></tr> <tr><td>1/4"</td><td>1 1/4"</td><td>2.0</td><td></td></tr> <tr><td>1/4"</td><td>1 1/2"</td><td>2.0</td><td></td></tr> <tr><td>3/8"</td><td>3/4"</td><td>4.0</td><td></td></tr> <tr><td>3/8"</td><td>1"</td><td>4.5</td><td></td></tr> <tr><td>3/8"</td><td>1 1/4"</td><td>5.3</td><td></td></tr> <tr><td>3/8"</td><td>1 1/2"</td><td>6.1</td><td></td></tr> <tr><td>3/8"</td><td>2"</td><td>7.6</td><td></td></tr> <tr><td>1/2"</td><td>3/4"</td><td>8.0</td><td></td></tr> <tr><td>1/2"</td><td>1"</td><td>9.1</td><td></td></tr> <tr><td>1/2"</td><td>1 1/4"</td><td>10.0</td><td></td></tr> <tr><td>1/2"</td><td>1 1/2"</td><td>11.6</td><td></td></tr> <tr><td>1/2"</td><td>1 3/4"</td><td>13.2</td><td></td></tr> <tr><td>1/2"</td><td>2"</td><td>14.7</td><td></td></tr> </tbody> </table>			Diameter	Length	Wt./100 Pcs.		1/4"	3/4"	1.3		1/4"	1"	1.7		1/4"	1 1/4"	2.0		1/4"	1 1/2"	2.0		3/8"	3/4"	4.0		3/8"	1"	4.5		3/8"	1 1/4"	5.3		3/8"	1 1/2"	6.1		3/8"	2"	7.6		1/2"	3/4"	8.0		1/2"	1"	9.1		1/2"	1 1/4"	10.0		1/2"	1 1/2"	11.6		1/2"	1 3/4"	13.2		1/2"	2"	14.7	
		Diameter	Length	Wt./100 Pcs.																																																																
1/4"	3/4"	1.3																																																																		
1/4"	1"	1.7																																																																		
1/4"	1 1/4"	2.0																																																																		
1/4"	1 1/2"	2.0																																																																		
3/8"	3/4"	4.0																																																																		
3/8"	1"	4.5																																																																		
3/8"	1 1/4"	5.3																																																																		
3/8"	1 1/2"	6.1																																																																		
3/8"	2"	7.6																																																																		
1/2"	3/4"	8.0																																																																		
1/2"	1"	9.1																																																																		
1/2"	1 1/4"	10.0																																																																		
1/2"	1 1/2"	11.6																																																																		
1/2"	1 3/4"	13.2																																																																		
1/2"	2"	14.7																																																																		
For use with Channel Nuts to secure fittings to channels. Std Pkg 100 & Wt/100 pcs: See chart above.																																																																				

AS 203	EG	LINKED EYELET WITH STUD														
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Size</th> <th style="width: 25%;">Std Pkg</th> <th style="width: 25%;">Wt/100 pcs</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr><td>3/8"</td><td>100</td><td>27.0</td><td></td></tr> <tr><td>1/2"</td><td>50</td><td>45.0</td><td></td></tr> </tbody> </table>			Size	Std Pkg	Wt/100 pcs		3/8"	100	27.0		1/2"	50	45.0	
		Size	Std Pkg	Wt/100 pcs												
3/8"	100	27.0														
1/2"	50	45.0														
Std Pkg & Wt/100 pcs: See chart above.																

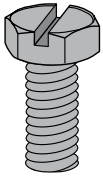

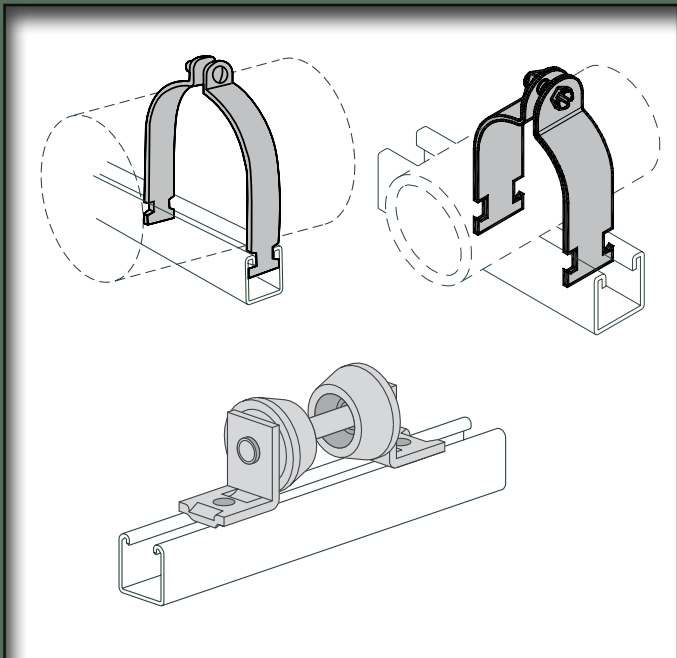
AS 6075	EG	SLOTTED HEX HEAD MACHINE SCREW																										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Size</th> <th style="width: 25%;">Std Pkg</th> <th style="width: 25%;">Wt/100 pcs</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr><td>1/4" X 3/4"</td><td>100</td><td>1.7</td><td></td></tr> <tr><td>5/16" X 1"</td><td>100</td><td>2.6</td><td></td></tr> <tr><td>5/16" X 1 1/4"</td><td>100</td><td>3.0</td><td></td></tr> <tr><td>5/16" X 1 1/2"</td><td>100</td><td>3.4</td><td></td></tr> <tr><td>3/8" X 1 1/4"</td><td>100</td><td>5.3</td><td></td></tr> </tbody> </table>			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	
		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.																												

Fig. 146	CONTINUOUS THREADED ROD		
			
For additional information, please refer to the Anvil Pipe Hanger Catalog.			

Fig. 135	ROD COUPLING		
			
For additional information, please refer to the Anvil Pipe Hanger Catalog.			

PIPE & CONDUIT SUPPORT



SPECIFICATIONS

GENERAL

Anvil-Strut Pipe Clamps are all manufactured to fit into the standard openings of 1 $\frac{5}{8}$ " 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-1011
- Cold Rolled Steel Sheet ASTM A-1008
- Stainless Steel-Type 304/316..... ASTM A-240
- Aluminum Clamps 5052H32..... ASTM B-209

FINISH

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

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

ORDERING

Please specify catalog number, size and finish.

LEGEND:

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

AS 1000AS EG

EMT CONDUIT CLAMP

Size	O.D. Size	Steel Gauge	Wt./100 Pcs.	Std. Pkg.
1/2"	0.706	16	11	100
3/4"	0.922	16	12	100
1"	1.163	14	15	100
1 1/4"	1.510	14	18	100
1 1/2"	1.740	12	29	50
2"	2.197	12	33	50

All sizes are offered in pre-assembled only
ORDERING: Specify figure number and pipe size.
 Std Pkg & Wt./100 pcs: See chart above.

AS 1300AS EG

UNIVERSAL CLAMP

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

Size	O.D. Range Min./Max.	Wt./100 Pcs.	Std. Pkg.
1/2"	0.706 to 0.840	13	100
3/4"	0.922 to 1.050	14	100
1"	1.163 to 1.315	18	100
1 1/4"	1.510 to 1.660	21	100
1 1/2"	1.740 to 1.900	23	50
2"	2.197 to 2.375	25	100

All sizes are offered in pre-assembled only
ORDERING: Specify figure number and pipe size.
 Std Pkg & Wt./100 pcs: See chart above.

AS 1100AS EG, SS, ZTC

RIGID CONDUIT CLAMP

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

Nominal Pipe Size	Design Loads *		
	Pullout (lbs)	Slip Along (lbs)	Slip Thru (lbs)
1/4"	650	90	100
3/8"	650	100	100
1/2"	650	100	100
3/4"	650	100	100
1"	650	100	100
1 1/4"	950	200	200
1 1/2"	1050	300	300
2"	1350	300	300
2 1/2"	1300	250	300
3"	1150	300	300
3 1/2"	1150	300	300
4"	1550	300	300
5"	1550	300	300
6"	1550	300	250
8"	1450	300	300
10"	1550	-	-
12"	1400	-	-

All sizes are offered in pre-assembled only
ORDERING: Specify figure number and pipe size.
 Std Pkg & Wt./100 pcs: See chart above.

* Safety Factor 3.0

LEGEND:

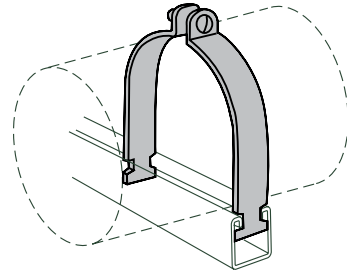
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

Table of Contents
 Channel
 Channel Nuts & Hardware
 Pipe & Conduit Supports
 Klo-Shure
 Flat Plates
 Angle Fittings & Connectors
 "Z" Supports
 Wing Fittings
 "U" Supports
 Splice Clevises
 Post Bases
 Miscellaneous Fittings
 Trolleys & Accessories
 Beam Clamps
 Brackets
 Concrete Inserts
 End Caps

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

O.D. TUBING CLAMP

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



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

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

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

LEGEND:

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

AS 3138 **EG**

PARALLEL PIPE CLAMP

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

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

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

Wt./100 pcs: See chart above.

AS 51 **EG**

RIGHT ANGLE PIPE OR CONDUIT CLAMP

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

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

AS 270 **EG**

CONDUIT CLAMP

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

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

AS 1450 **EG**

ONE-HOLE CLAMP FOR O.D. TUBING

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

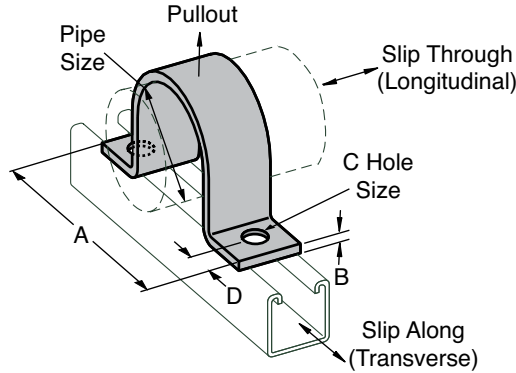
ORDERING: Specify figure number and pipe size.
 Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

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

AS 3126 EG

HOLD DOWN CLAMP



Pipe Size	A	B	C	D	Std Pkg	Wt./100 Pcs.	Load Rating
1/2"	27/8"	1/8"	9/32"	7/16"	50	23	500
3/4"	31/16"	1/8"	9/32"	7/16"	50	26	500
1"	311/32"	1/8"	9/32"	7/16"	25	31	500
1 1/4"	311/16"	1/8"	9/32"	7/16"	25	35	500
1 1/2"	329/32"	1/8"	9/32"	7/16"	25	39	500
2"	521/32"	1/4"	13/32"	13/16"	25	94	1,000
2 1/2"	65/32"	1/4"	13/32"	13/16"	25	114	1,000
3"	625/32"	1/4"	13/32"	13/16"	25	133	1,000
3 1/2"	79/32"	1/4"	13/32"	13/16"	10	152	1,000
4"	725/32"	1/4"	13/32"	13/16"	Bulk	176	1,000
5"	727/32"	1/4"	13/32"	13/16"	Bulk	198	1,000
6"	929/32"	1/4"	13/32"	13/16"	Bulk	225	1,000

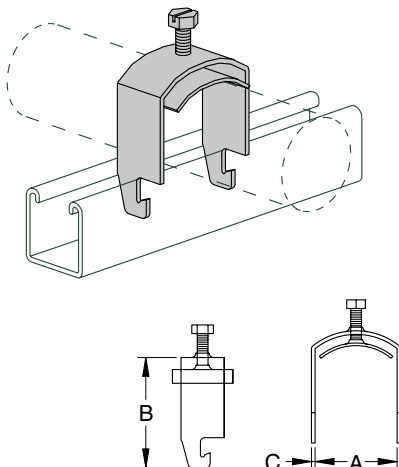
Nominal Pipe Size	Design Loads *		
	Slip Thru (lbs)	Slip Along (lbs)	Pullout (lbs)
1/2"	425	479	811
3/4"	184	405	850
1"	168	455	769
1 1/4"	402	401	830
1 1/2"	315	532	876
2"	553	1,728	2,133
2 1/2"	408	1,615	2,280
3"	900	1,494	2,295
3 1/2"	646	1,516	2,273
4"	834	1,463	2,324
5"	564	1,097	2,324
6"	494	899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

* Safety Factor 3.0

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

AS 3101 THRU AS 3114 EG

ONE PIECE CABLE AND CONDUIT CLAMP



No.	Size	A	B	C	Std Pkg	Wt/100 pcs
AS 3101	3/8"	7/16"	15/8"	14	100	6
AS 3102	1/2"	9/16"	13/4"	14	100	7
AS 3103	3/4"	13/16"	2"	14	100	12
AS 3104	1"	11/16"	2 1/4"	14	100	15
AS 3105	1 1/4"	15/16"	2 1/2"	14	100	19
AS 3106	1 1/2"	19/16"	2 3/4"	14	100	20
AS 3107	1 3/4"	113/16"	3"	12	100	25
AS 3108	2"	21/16"	3 1/4"	12	100	35
AS 3109	2 3/8"	27/16"	3 5/8"	12	75	41
AS 3110	2 3/4"	213/16"	4"	12	75	60
AS 3111	3 1/4"	33/16"	4 1/2"	12	75	64
AS 3112	3 3/4"	313/16"	5"	12	50	91
AS 3113	4"	41/16"	5 1/4"	12	40	100
AS 3114	4 3/8"	47/16"	5 5/8"	12	30	115

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

LEGEND:

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

AS 004OD THRU AS 106P

EG, 304SS, 316SS, ZTC

CUSHION CLAMP ASSEMBLY

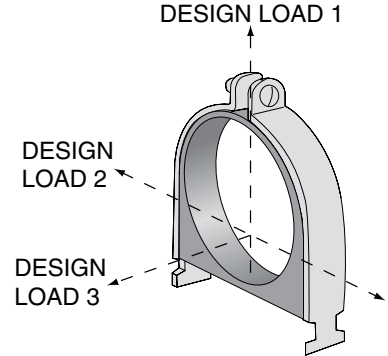
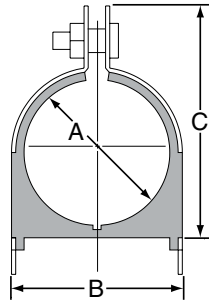
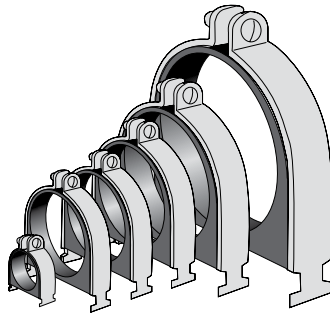
Material

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

Service Temperature:
 -65°F to 275°F.

Approvals

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



TUBE SERIES						
Part No.	O.D. Size	A	B	C	Std Pkg	Wt/100 pcs
AS 004OD	1/4"	0.25	0.62	0.98	25	10
AS 006ODN	3/8"	0.37	0.82	1.13	25	11
AS 008ODN	1/2"	0.50	0.94	1.34	25	13
AS 010ODN	5/8"	0.62	1.06	1.54	25	14
AS 012ODN	3/4"	0.75	1.20	1.68	25	14
AS 014ODN	7/8"	0.87	1.31	1.82	25	15
AS 016OD	1"	1.00	1.44	1.95	25	17
AS 018ODN	1 1/8"	1.12	1.57	2.08	20	18
AS 020OD	1 1/4"	1.25	1.70	2.21	20	18
AS 022ODN	1 3/8"	1.37	1.82	2.34	20	20
AS 024OD	1 1/2"	1.50	1.95	2.47	20	33
AS 026ODN	1 5/8"	1.62	2.07	2.60	20	35
AS 028OD	1 3/4"	1.75	2.20	2.73	20	37
AS 032OD	2"	2.00	2.45	3.04	10	41
AS 034OD	2 1/8"	2.12	2.57	3.23	10	46
AS 040OD	2 1/2"	2.50	2.94	3.79	10	49
AS 042OD	2 5/8"	2.62	3.07	3.92	5	51
AS 048OD	3"	3.00	3.57	4.42	5	57
AS 050OD	3 1/8"	3.12	3.57	4.42	5	60
AS 058OD	3 5/8"	3.62	4.20	5.11	5	70
AS 066OD	4 1/8"	4.12	4.57	5.54	5	94
AS 082OD	5 1/8"	5.12	5.57	6.54	5	125
AS 098OD	6 1/8"	6.12	6.57	7.54	5	130

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

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

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

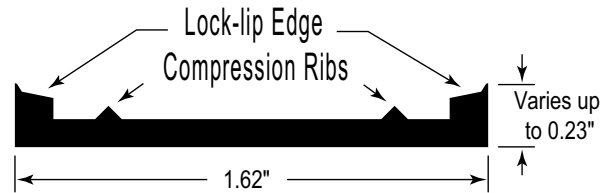
Std Pkg & Wt/100 pcs: See chart above.

LEGEND:

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

AS 3792

CUSHION STRIP



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



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



(2) Place the pipe on the Cushion Wrap.



(3) Insert the clamps in the strut.

(4) Tighten the clamps.

Cutting Chart

Clamp Size O.D.	Tube Size O.D.	Pipe Size (Nom.)	Cutting Schedule
½"	¼"	–	⅞
⅝"	⅜"	–	1⅛
¾"	½"	¼"	1½
⅞"	⅝"	⅜"	2
1"	¾"	–	2¼
1⅛"	⅞"	½"	3
1¼"	1"	¾"	3¼
1⅝"	1⅛"	–	3⅝
1½"	1⅜"	–	3⅞
1½"	1½"	1"	4
1⅞"	1⅞"	–	4½
1¾"	1½"	–	4⅞
1⅞"	1⅞"	1¼"	5¼
2"	1¾"	–	5½
2⅞"	1⅞"	1½"	6
2¼"	2"	–	6⅝
2⅞"	2⅞"	–	6¾
2½"	2¼"	–	7¼
2⅞"	2⅞"	2"	7½
2¾"	2½"	–	8
3"	2¾"	–	8¾
3⅞"	2⅞"	2½"	9¼
3¼"	3"	–	9½
3¾"	3½"	3"	11
4¼"	4"	3½"	12¼
4¾"	4½"	4"	14
5¼"	–	5"	15½
6⅞"	–	6"	18½

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

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

LEGEND:

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

Fig. 67

PIPE OR CONDUIT HANGER

Size range 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.

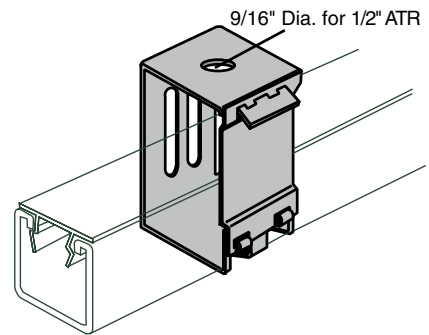
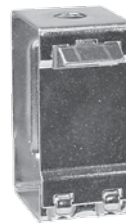
AS 2631 & AS 2631D

SWING GATE FIXTURE HANGER

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



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



Snap Type Channel Hanger - Installation

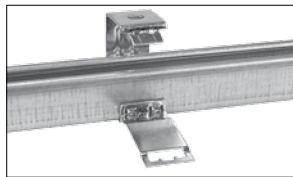
Step 1:

The hanger is opened by releasing snap.

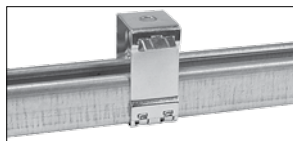


Step 2:

Channel is placed in the hanger & the snap cover is closed.



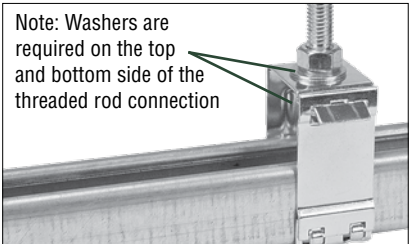
Step 3:



Snap Type Channel Hanger - Application Example

Threaded rod, hex nuts and washers are used to connect the hanger. The channel is installed as described above. A channel closure strip is required on the channel to create a wire raceway.

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



LEGEND:

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

AS 815 EG

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

Order Nuts and Bolts Separately.
 For "A" Dimension Recommendations, See Chart On Page 138.

Std Pkg: 5 Pr. · Wt/100 pcs: 680 lbs.

AS 1901 EG

(1/2" - 4" PIPE) PIPE ROLLER SUPPORT

For "A" Dimension Recommendations, see chart on page 138.

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

AS 1902 EG

(1" - 8" PIPE) PIPE ROLLER SUPPORT

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

For "A" Dimension Recommendations, see chart on page 138.

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

AS 1911 EG

(2" - 14" PIPE) PIPE ROLLER

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

For "A" Dimension Recommendations, see chart on page 138.

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

Table of Contents

Channel

Channel Nuts & Hardware

Pipe & Conduit Supports

Klo-Shure

Flat Plates

Angle Fittings & Connectors

"Z" Supports

Wing Fittings

"U" Supports

Splice Clevises

Post Bases

Miscellaneous Fittings

Trolleys & Accessories

Beam Clamps

Brackets

Concrete Inserts

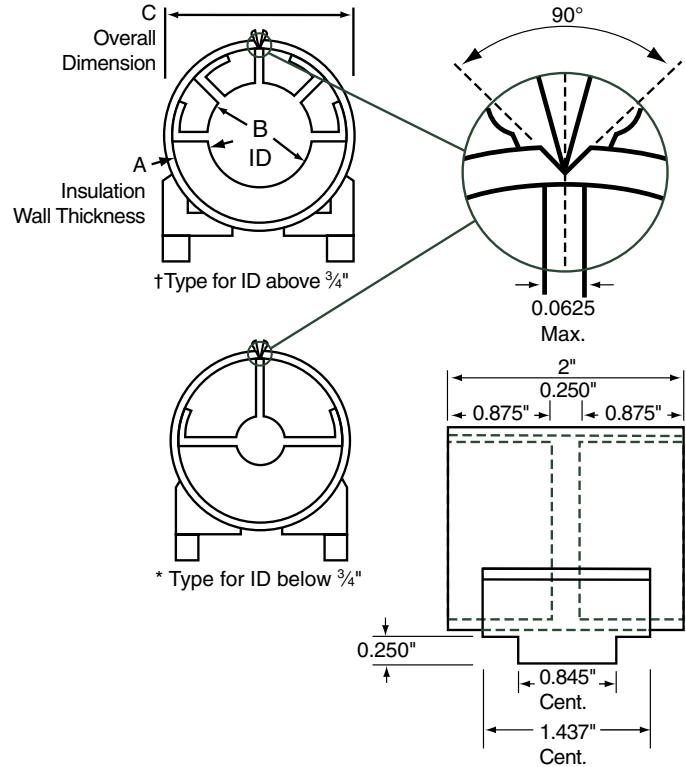
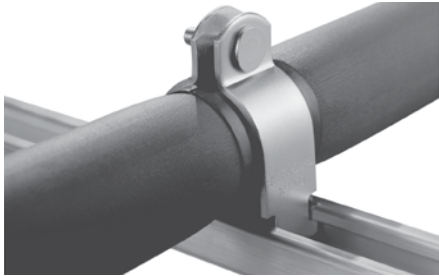
End Caps

KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH STRUT CLAMP FOR USE WITH ELASTOMERIC INSULATION

Klo-Shure® Strut Mounted parts include the Klo-Shure® Coupling, clamp halves with welded fastener and locknut.

Material: Clamp: 1008-1018 Carbon Steel; Coupling: High Strength TPO Plastic

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



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

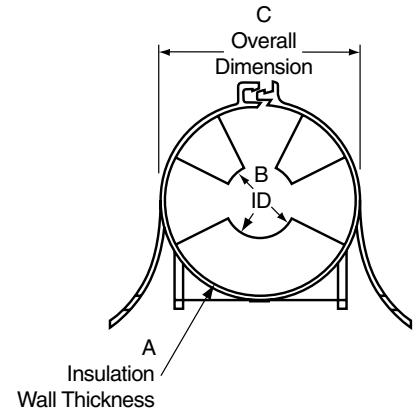
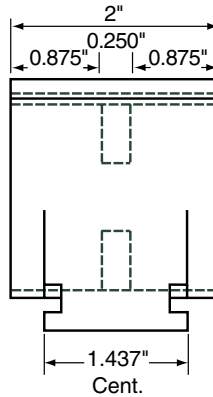
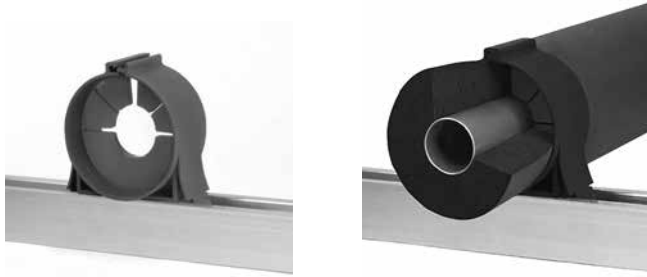
NOTE:

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

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

**KLO-SHURE® STRUT MOUNTED ONE-PIECE INSULATION COUPLING
FOR USE WITH ELASTOMERIC INSULATION**

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



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

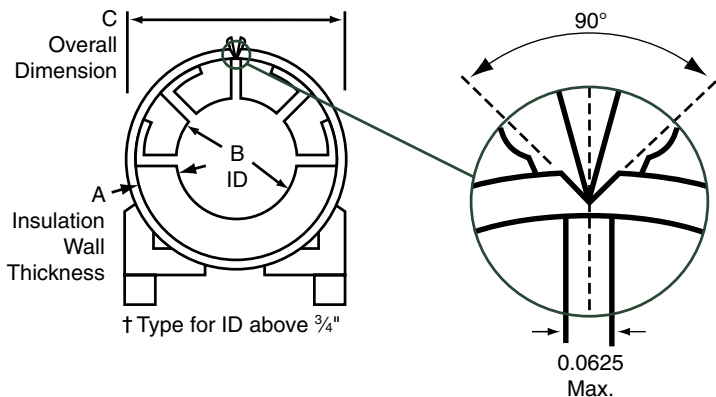
A Insulation Wall Thickness	Part No.	B Klo-Shure ID – Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling (Non Metallic) for 1/2" wall insulation	824050	1/2" ID	1.62	25
	824062	5/8" ID	1.75	25
	824087	7/8" ID	2.00	25
	824112	1 1/8" ID	2.25	25
	824137	1 3/8" ID	2.50	25
	824162	1 5/8"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

KLO-SHURE® STRUT MOUNTED INSULATION COUPLINGS WITH STRUT CLAMP FOR IRON PIPE AND COPPER TUBE SIZES • USE WITH FIBERGLASS INSULATION

Klo-Shure® Strut Mounted parts include the Klo-Shure® Coupling, clamp halves with welded fastener and locknut.

Material: Clamp: 1008-1018 Carbon Steel; Coupling: High Strength TPO Plastic

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



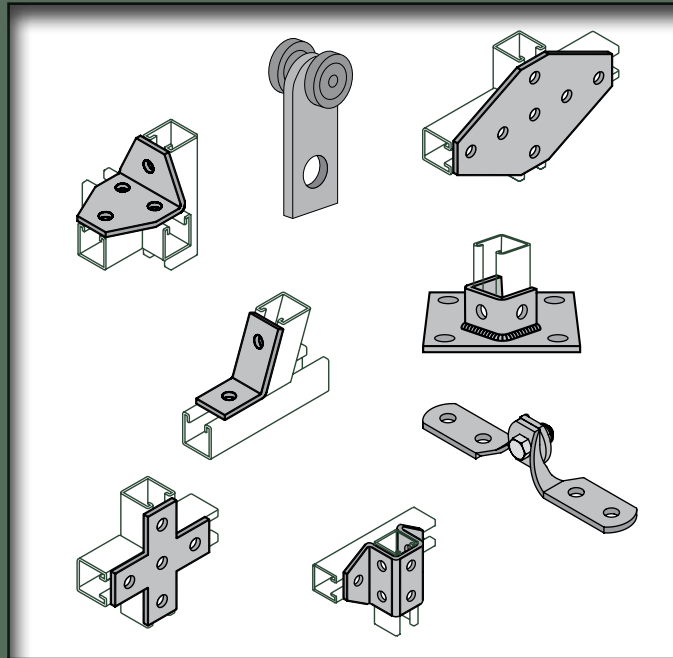
NOTE:

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

A Insulation Wall Thickness	Part No.	Nominal Steel Pipe Size	B Klo-Shure ID NPS OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	924084	1/2"	0.84" ID	2.025	20
	924105	3/4"	1.05" ID	2.285	20
	924131	1"	1.315" ID	2.500	10
	924166	1 1/4"	1.66" ID	2.845	10
	924190	1 1/2"	1.90" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	928084	1/2"	0.84" ID	3.008	10
	928105	3/4"	1.05" ID	3.008	10
	928131	1"	1.315" ID	3.638	10
	928166	1 1/4"	1.66" ID	3.638	10
	928190	1 1/2"	1.90" ID	4.138	10
	928237	2"	2.375" ID	4.648	10
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	929084	1/2"	0.84" ID	4.138	10
	929105	3/4"	1.05" ID	4.138	10
	929131	1"	1.315" ID	4.648	10
	929166	1 1/4"	1.66" ID	5.138	10
	929190	1 1/2"	1.90" ID	5.138	10

A Insulation Wall Thickness	Part No.	B Klo-Shure ID Tube OD	C Overall Dimension	Std Pkg
Klo-Shure Strut Mounted Coupling for 1/2" wall insulation	924062	5/8" ID	1.785	20
	924087	7/8" ID	2.025	20
	924112	1 1/8" ID	2.285	20
	924137	1 3/8" ID	2.500	10
	924162	1 5/8" ID	2.845	10
	924212	2 1/8" ID	3.285	10
Klo-Shure Strut Mounted Coupling for 1" wall insulation	928062	5/8" ID	3.008	10
	928087	7/8" ID	3.008	10
	928112	1 1/8" ID	3.008	10
	928137	1 3/8" ID	3.638	10
	928162	1 5/8" ID	3.638	10
	928212	2 1/8" ID	4.138	10
	928262	2 5/8" ID	4.648	10
928312	3 1/8" ID	5.138	10	
Klo-Shure Strut Mounted Coupling for 1 1/2" wall insulation	929087	7/8" ID	4.138	10
	929112	1 1/8" ID	4.138	10
	929137	1 3/8" ID	4.648	10
	929162	1 5/8" ID	4.648	10
	929212	2 1/8" ID	5.138	10

FITTINGS & ACCESSORIES



Specifications

GENERAL

Anvil-Strut General Fittings are designed to fit with all Anvil-Strut 1 $\frac{5}{8}$ " wide channels. Unless otherwise noted, Anvil-Strut fittings are manufactured from $\frac{1}{4}$ " thick carbon steel, 1 $\frac{5}{8}$ " wide, all holes are $\frac{9}{16}$ " diameter, spaced 1 $\frac{7}{8}$ " on center and $1\frac{3}{16}$ " from the end.

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

ORDERING

Please specify catalog number and finish.

MATERIAL

Anvil-Strut fittings are manufactured from the following material:

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

FINISHES

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

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

LEGEND:

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

AS 619 EG, GR, SS, ZTC

SQUARE WASHER

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

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

AS 2504 EG, GR, ZTC

SQUARE WASHER WITH CHANNEL GUIDE

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

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

AS 601 EG, GR, ZTC

2-HOLE SPLICE PLATE

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

AS 620 EG, GR

2-HOLE CONNECTING PLATE

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

AS 602 EG, GR, ZTC

3-HOLE SPLICE PLATE

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

AS 888 EG, GR, ZTC

4-HOLE SPLICE PLATE

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

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

LEGEND:

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

AS 617 EG, GR

3-HOLE SWIVEL PLATE

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

AS 718 EG, GR, ZTC

FLAT ANGLE PLATE

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

AS 719 EG, GR

4-HOLE CORNER JOINER PLATE

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

AS 714 EG, GR, ZTC

TEE PLATE

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

AS 744 EG, GR

FLAT CORNER CONNECTOR

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

AS 712 EG, GR, ZTC

CROSS PLATE

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

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

LEGEND:

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

AS 925	EG, GR
SYMMETRICAL 3-HOLE JOINT CONNECTOR	
Std Pkg 25 - Wt/100 pcs: 70 Lbs.	

AS 747	EG, GR
SYMMETRICAL 4-HOLE CONNECTOR	
Std Pkg 20 - Wt/100 pcs: 100 Lbs.	

AS 854	EG, GR
5-HOLE FLAT CONNECTOR	
Std Pkg 25 - Wt/100 pcs: 146 Lbs.	

AS 750	EG, GR
4-HOLE CORNER CONNECTOR	
Std Pkg 20 - Wt/100 pcs: 101 Lbs.	

AS 2190	EG, GR
FLAT CORNER CONNECTOR	
Std Pkg 20 - Wt/100 pcs: 146 Lbs.	

AS 2112	EG, GR
7-HOLE CROSS CONNECTOR	
Std Pkg 10 - Wt/100 pcs: 236 Lbs.	

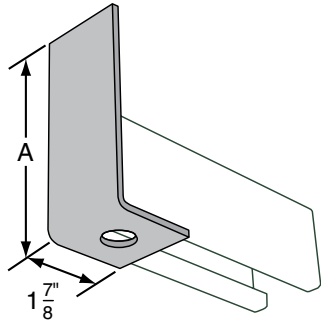
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 921 EG, GR

1-HOLE ANGLE

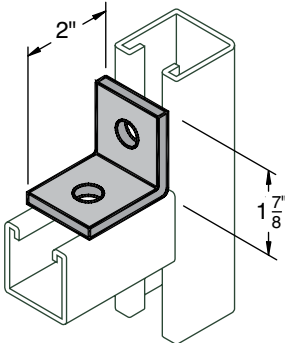


Catalog No.	A	Wt./100 Pcs.
AS 921 A	3 ⁷ / ₈ "	61
AS 921 B	5 ⁷ / ₈ "	84
AS 921 C	7 ⁷ / ₈ "	107
AS 921 D	9 ⁷ / ₈ "	130

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

AS 603 EG, GR, ZTC

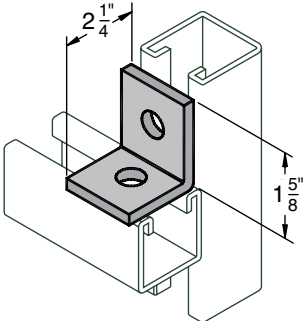
2-HOLE END ANGLE



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

AS 604 EG, GR, ZTC

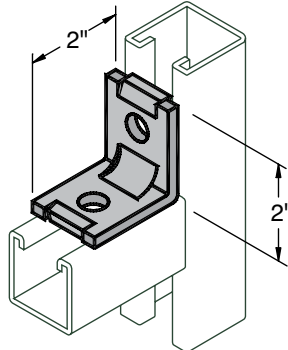
2-HOLE CORNER ANGLE



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

AS 806 EG, GR

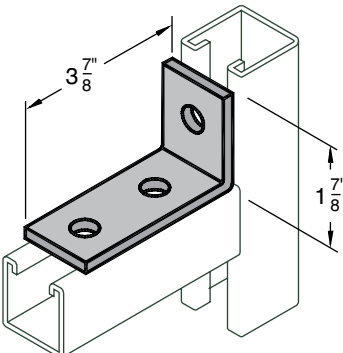
2-HOLE ANGLE WITH IMPRESSIONS ON BOTH LEGS



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

AS 745 EG, GR, ZTC

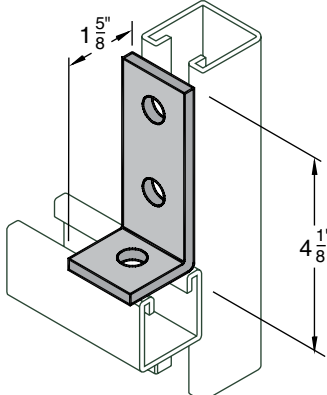
3-HOLE CORNER ANGLE



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

AS 606 EG, GR, ZTC

3-HOLE CORNER ANGLE



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

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

LEGEND:

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

AS 748 EG, GR

4-HOLE JOINT CORNER CONNECTOR

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

AS 614 EG, GR

4-HOLE JOINT CORNER CONNECTOR

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

AS 615 EG, GR

5-HOLE SHELF JOINT ANGLE

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

AS 927 EG, GR

5-HOLE CORNER CONNECTOR

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

AS 689 EG, GR

ADJUSTABLE DOUBLE SLOTTED CORNER CONNECTOR

Slot Size
1 1/2" x 9/16"
2 PLACES

Catalog No.	A	B	Wt./100 Pcs.
AS 689 A	6 7/8"	4"	180
AS 689 B	8 7/8"	6"	256

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

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 633 EG, GR, ZTC

2-HOLE OPEN ANGLE CONNECTOR

A	B	C	Wt./100 Pcs.
82½°	3½"	2⅛"	63
75°	3½"	2⅛"	63
67½°	3½"	2⅛"	63
60°	3½"	2⅛"	63
52½°	3½"	2⅛"	63
45°	3"	2⅛"	60
37½°	3½"	2⅛"	63
30°	3⅝"	2⅛"	59
22½°	3⅝"	2⅛"	59
15°	3⅝"	2⅛"	59
7½°	3⅝"	2⅛"	59

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

AS 2520 EG, GR

TWO HOLE ADJUSTMENT ANGLE

Slot Size 1 1/2"

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

AS 624 EG, GR, ZTC

2-HOLE CLOSED ANGLE CONNECTOR

A
37½°
45°
52½°
60°
67½°
75°
82½°

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

AS 781 EG, GR

4-HOLE OPEN ANGLE CONNECTOR

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

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

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

LEGEND:

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

AS 2545 EG, GR

SLOTTED 90° ANGLE

Slot Size
1 1/2" x 9/16"

2 5/8"

1 3/8"

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

AS 2144 EG, GR

CORNER ANGLE

A

1 7/8"

A	Wt./100 Pcs.
3"	48
3 1/2"	53
4"	60

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

AS 3049 EG, GR

2-HOLE SLOTTED 90° CORNER CONNECTOR

Slot Size
1 1/2" x 9/16"

2 5/8"

1 5/16"

3 7/8"

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

AS 793 EG, GR

4-HOLE CLOSED ANGLE CONNECTOR

A

4 9/16"

A
37 1/2°
45°
52 1/2°
60°
67 1/2°
75°
82 1/2°

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

AS 763 & AS 764 EG, GR

SLOTTED ADJUSTMENT CORNER ANGLE

A

Slot Size
2 1/2" x 9/16"

1 7/8"

B

Catalog No.	A	B	Wt./100 Pcs.
AS 763	4 7/16"	2 1/2"	58
AS 764	6 7/8"	4 1/2"	85

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

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 607 EG, GR, ZTC

4-HOLE CORNER ANGLE

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

AS 715 EG, GR

"T" PLATE - 90° ANGLE

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

AS 3373 EG, GR, ZTC

UNIVERSAL ANGLE BRACKET

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

AS 605 EG, GR, ZTC

3-HOLE CORNER ANGLE

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

AS 720 EG, GR, ZTC

RH & LH ANGLE PLATE CONNECTOR

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

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

LEGEND:

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

AS 611 EG, GR, ZTC

"Z" SUPPORT

Use with AS 200, AS 210, & AS 500 BTB
 Std Pkg 50 - Wt./100 pcs: 54 Lbs.

AS 756 EG, GR, ZTC

"Z" SUPPORT

Use with AS 100, AS 200 BTB, & AS 210 BTB
 Std Pkg 25 - Wt./100 pcs: 70 Lbs.

AS 3060 EG, GR

OFFSET CONNECTOR

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

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

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

"Z" SUPPORT

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

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

AS 609 EG, GR

2-HOLE OFFSET "Z" SUPPORT

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

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 922 EG, GR, ZTC

RH & LH 2-HOLE SINGLE CORNER ANGLE CONNECTOR

When ordering, Specify RH or LH
 Std Pkg 20 - Wt/100 pcs: 60 Lbs.

AS 2128 EG, GR

RH & LH 6-HOLE CORNER CONNECTOR

When ordering, Specify RH or LH
 Std Pkg 10 - Wt/100 pcs: 119 Lbs.

AS 665 EG, GR, ZTC

4-HOLE DOUBLE CORNER CONNECTOR

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

AS 667 EG, GR, ZTC

8-HOLE DOUBLE CORNER CONNECTOR

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

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

- Table of Contents
- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Klo-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

LEGEND:

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

AS 923	EG, GR, ZTC
5-HOLE TWO ANGLE CONNECTOR	
Std Pkg 25 - Wt/100 pcs: 93 Lbs.	

AS 913	EG, GR, ZTC
10-HOLE TWO ANGLE CLEVIS CONNECTOR	
Std Pkg 10 - Wt/100 pcs: 193 Lbs.	

AS 668	EG, GR, ZTC
6-HOLE THREE ANGLE CONNECTOR	
Std Pkg 10 - Wt/100 pcs: 113 Lbs.	

AS 821	EG, GR, ZTC
8-HOLE DOUBLE ANGLE CONNECTOR	
Std Pkg 10 - Wt/100 pcs: 113 Lbs.	

AS 669	EG, GR, ZTC
12-HOLE THREE ANGLE CLEVIS CONNECTOR	
Std Pkg: 10 - Wt/100 pcs: 230 Lbs.	

AS 666	EG, GR, ZTC
6-HOLE DOUBLE CORNER CONNECTOR	
Std Pkg 25 - Wt/100 pcs: 115 Lbs.	

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 678 EG, GR

"U" SUPPORT

Use with AS 150 BTB
 Std Pkg 10 - Wt./100 pcs: 157 Lbs.

AS 721 EG, GR

"U" SUPPORT

Use with AS 100, AS 200 BTB, AS 210 BTB
 Std Pkg 25 - Wt./100 pcs: 105 Lbs.

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

"U" SUPPORT

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

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

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 733 EG, GR

6-HOLE "U" SUPPORT

Use with AS 200 & AS 210
 Std Pkg 10 - Wt./100 pcs: 167 Lbs.

AS 735 EG, GR

8-HOLE "U" SUPPORT

Use with AS 200 BTB
 Std Pkg 10 - Wt./100 pcs: 266 Lbs.

AS 687 EG, GR

SLOTTED "U" SUPPORT

SLOT SIZE
 1 1/2" X 9/16"

Catalog No.	A	B	Wt./100 Pcs.
AS 687 A	7 1/4"	4 1/8"	103
AS 687 B	8 1/2"	5 3/8"	115
AS 687 C	10 3/8"	7 1/4"	135

Use with AS 200 & AS 210
 Std Pkg 10 - Wt./100 pcs: See chart above.

AS 677 EG, GR

CUP SUPPORT FOR STANDARD SINGLE STRUT

Use with AS 200 & AS 210
 Std Pkg 25 - Wt./100 pcs: 88 Lbs.

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 631 EG, GR

2-HOLE SPLICE CLEVIS

Use with AS 200 & AS 210
 Std Pkg 25 - Wt/100 pcs: 123 Lbs.

AS 629 EG, GR

3-HOLE SPLICE CLEVIS

Use with AS 200 & AS 210
 Std Pkg 20 - Wt/100 pcs: 195 Lbs.

AS 616 EG, GR, ZTC

4-HOLE SPLICE CLEVIS

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 233 Lbs.

AS 644 EG, GR

2-HOLE SPLICE CLEVIS

Use with AS 500 & AS 520
 Std Pkg 20 - Wt/100 pcs: 76 Lbs.

AS 645 EG, GR

3-HOLE SPLICE CLEVIS

Use with AS 500 & AS 520
 Std Pkg 10 - Wt/100 pcs: 116 Lbs.

AS 646 EG, GR, ZTC

4-HOLE SPLICE CLEVIS

Use with AS 500 & AS 520
 Std Pkg 10 - Wt/100 pcs: 128 Lbs.

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

LEGEND:

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

AS 3013 EG, GR

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 307 Lbs.

AS 3013SQ EG, GR

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 5 - Wt/100 pcs: 314 Lbs.

AS 3033 EG, GR, ZTC

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 373 Lbs.

AS 3033SQ EG, GR, ZTC

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 392 Lbs.

AS 3040 EG, GR

POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 297 Lbs.

LEGEND:

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

AS 3029 EG, GR

DOUBLE POST BASE

Use with all 3/4" Channels
 Std Pkg 5 - Wt/100 pcs: 325 Lbs.

AS 2064 EG, GR

DOUBLE COLUMN POST BASE

Use with AS 100, AS 200 BTB, AS 200 STS, AS 200 BTS, & AS 200 STSR
 Std Pkg 5 - Wt/100 pcs: 311 Lbs.

AS 3064 EG, GR, ZTC

DOUBLE POST BASE

Use with all 3/4" Channels
 Std Pkg 10 - Wt/100 pcs: 408 Lbs.

AS 3064SQ EG, GR

DOUBLE POST BASE

Use with all 3/4" Channels
 Std Pkg 10 - Wt/100 pcs: 408 Lbs.

Table of Contents

- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Kio-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

LEGEND:

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

AS 3013FL EG, GR

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 230 Lbs.

AS 3025FL EG, GR

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 312 Lbs.

AS 3025 EG, GR

SINGLE POST BASE

Use with AS 200 & AS 210
 Std Pkg 10 - Wt/100 pcs: 358 Lbs.

LEGEND:

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

AS 926 EG, GR

STRUT BRACE

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

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

AS 993 EG, GR

INSIDE CLEVIS

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

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

AS 2560, AS 2561 EG

CONDUIT CONNECTOR FITTING ASSEMBLY

1/4" x 5/8" Flat Head Machine Screws and Nuts included.
 7/8" Dia.

Catalog No.	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.

Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 1 3/16" from end.

LEGEND:

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

AS 2422 GR, HG

37½° STAIR SUPPORT

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

AS 2421 GR, HG

45° STAIR SUPPORT

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

AS 825 EG, GR

RH & LH PIPE AXLE SUPPORT

Catalog No.	A	Wt./100 Pcs.
AS 825LH	3 5/8"	220
AS 825RH	3 5/8"	220

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

AS 2401 thru AS 2403 GR, HG

LADDER RUNG

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

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

AS 2404 thru AS 2408 GR, HG

WALL LADDER BRACKET

Catalog No.	A	B	Wt./100 Pcs.
AS 2404	2 5/8"	6"	110
AS 2405	4 5/8"	8"	164
AS 2406	6 5/8"	10"	200
AS 2407	8 5/8"	12"	253
AS 2408	10 5/8"	14"	328

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

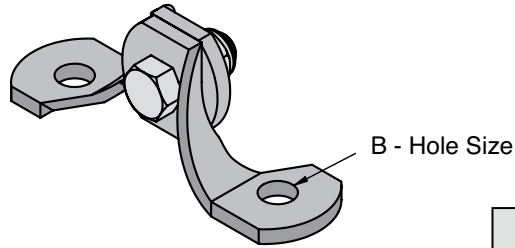
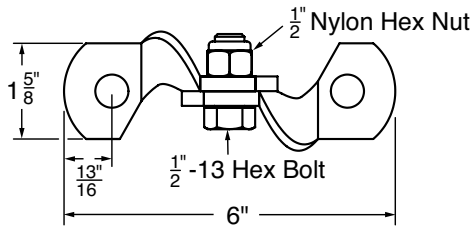
Page notes unless otherwise specified: ¼" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

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

AS 9402 EG

2-HOLE HINGE CONNECTOR

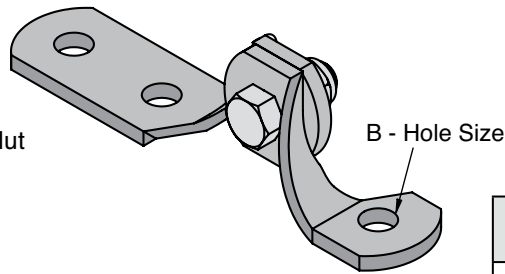
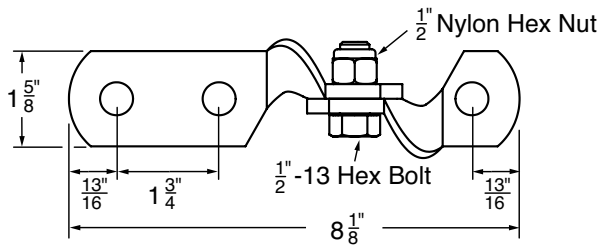


B	Wt./100 Pcs.
1/2"	90
5/8"	88
3/4"	86

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

AS 9403 EG

3-HOLE HINGE CONNECTOR

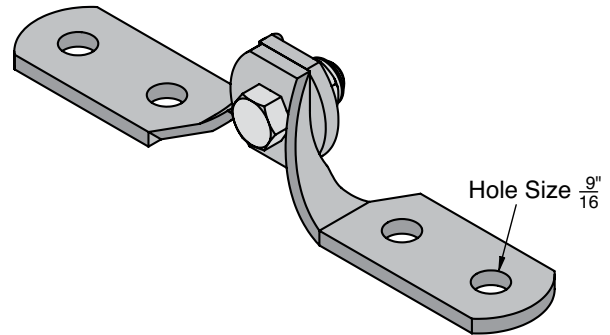
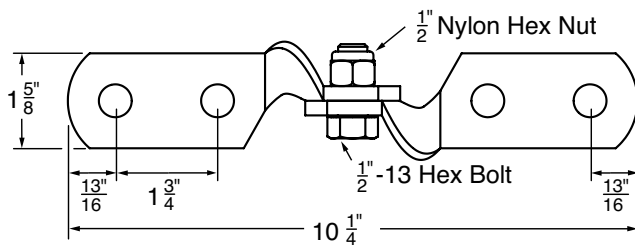


B	Wt./100 Pcs.
1/2"	108
5/8"	107
3/4"	106

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

AS 9404 EG

4-HOLE HINGE CONNECTOR



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

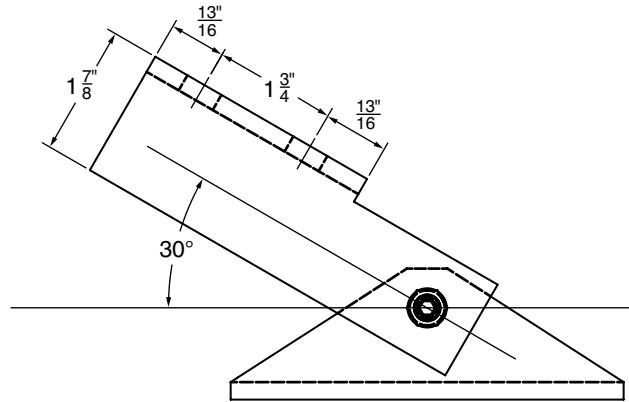
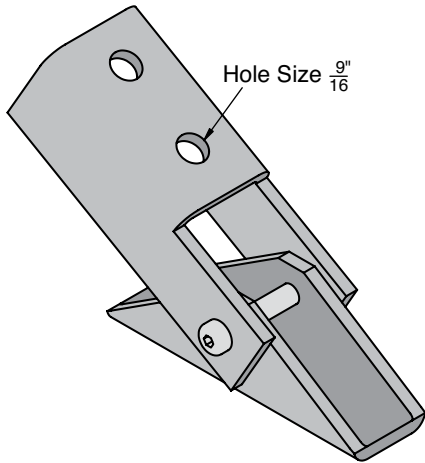
Page notes unless otherwise specified: 1/4" thick, 1 5/8" wide, holes 9/16" diameter, spaced 1 7/8" on center and 13/16" from end.

LEGEND:

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

AS 9400 & AS 9401 EG, GR

ADJUSTABLE BASES



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

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

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

Trolleys & Accessories

LEGEND:

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

AS 2528 EG, GR

TROLLEY BEAM STANDARD SUPPORT

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

AS 2528-1 EG, GR

TROLLEY BEAM JOINT SUPPORT

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

AS 2521 EG

TWO WHEEL TROLLEY

Use With AS 200.

Hole 9/16" Dia.

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

AS 2522 EG

FOUR WHEEL TROLLEY

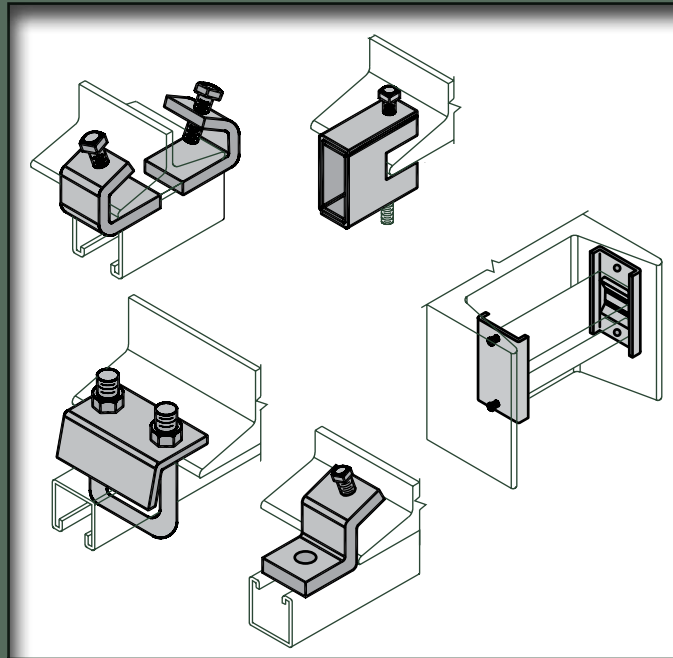
Use With AS 200.

3 Holes 9/16" Dia.

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

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

BEAM CLAMPS



Specifications

GENERAL

Anvil-Strut Beam Clamps are designed to secure all Anvil-Strut 1 $\frac{5}{8}$ " wide channels, or threaded rod, to beams or supports for the purpose of running piping, conduit or tubing. All Anvil-Strut fittings are manufactured from $\frac{1}{4}$ " thick carbon steel or cast malleable iron.

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

ORDERING

Please specify catalog number and finish.

MATERIAL

Anvil-Strut fittings are manufactured from the following material:

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

FINISH

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

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

LEGEND:

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

AS 855 EG, GR

ANGULAR "J" BEAM CLAMP

Catalog No.	Use With	A	Load Rating	Wt./100 Pcs.
AS 855 1	AS 200, AS210	3½"	500	107
AS 855 2	AS 500	2'¼"	500	98

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

AS 2651 EG, ZTC

BEAM CLAMP

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

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

AS 2654 & AS 2654 A EG, GR

COLUMN ATTACHMENT

Catalog No.	Use With	Wt./100 Pcs.
AS 2654	AS 200	53 (pair)
AS 2654 A	AS 500	53 (pair)

Sold only in pairs
 Std Pkg 25 - Wt/100 pcs: See chart above.

AS 685 EG, GR

BEAM CLAMP

Load Rating: 450 Lbs
 Set Screw included

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

AS 686 EG, GR

BEAM CLAMP

Load Rating: 600 Lbs

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

LEGEND:

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

Fig. 86

CLAMP WITH LOCK NUT

Size Range $\frac{3}{8}$ " thru $\frac{3}{4}$ ".

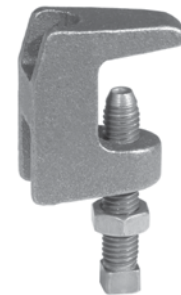


For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 93

TOP BEAM "C" CLAMP

Size Range $\frac{3}{8}$ " thru $\frac{1}{2}$ ".

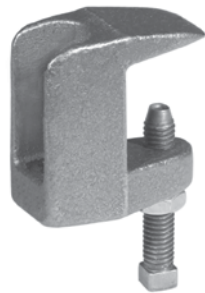


For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 94

TOP BEAM "C" CLAMP

Size Range $\frac{5}{8}$ " thru $\frac{3}{4}$ ".

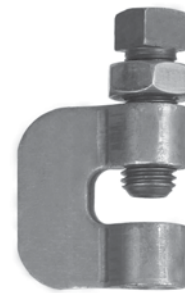


For additional information, please refer to the Anvil Pipe Hanger Catalog.

Fig. 95

CLAMP WITH LOCK NUT

Size Range $\frac{3}{8}$ " thru $\frac{3}{4}$ ".



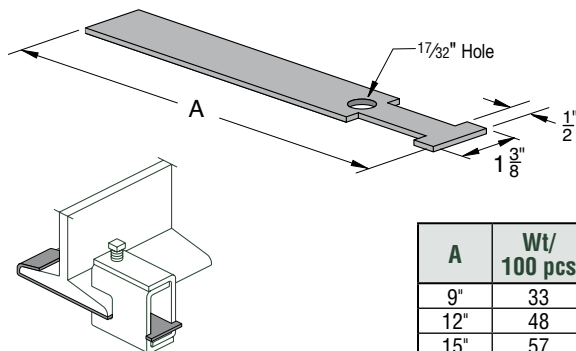
For additional information, please refer to the Anvil Pipe Hanger Catalog.

AS 871

EG

SAFETY ANCHOR STRAP

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



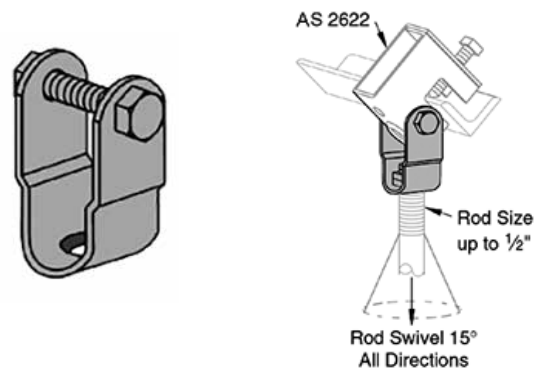
Std Pkg: Bulk · Wt/100 pcs: See chart above.

AS 2623

EG

SWIVEL ADAPTER

Use With AS 2622 Beam Clamp.



Std Pkg: 50 · Wt/100 pcs: 31 lbs.

LEGEND:

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

AS 2657 EG

DOUBLE "U" BOLT BEAM CLAMP

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

Specify 6" or 12" flange width
 T1 Use with AS 200, AS 210, AS 300, AS 400, AS 500, AS 520
 T2 Use with AS 100, AS 150, AS 200 BTB
 Std Pkg & Wt./100 pcs: See chart above.

AS 2656 EG

"U" BOLT BEAM CLAMP WITH HOOK

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

Specify 6" or 12" flange width
 T1 Use with AS 200, AS 210, AS 300, AS 400, AS 500, AS 520
 T2 Use with AS 100, AS 150, AS 200 BTB
 Std Pkg & Wt./100 pcs: See chart above.

AS 684 EG, GR

BEAM CLAMP

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

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

"I" BEAM CLAMP

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

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

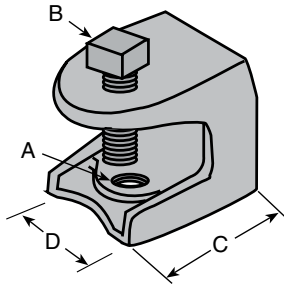
LEGEND:

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

AS 85

EG

ROD OR INSULATOR SUPPORT



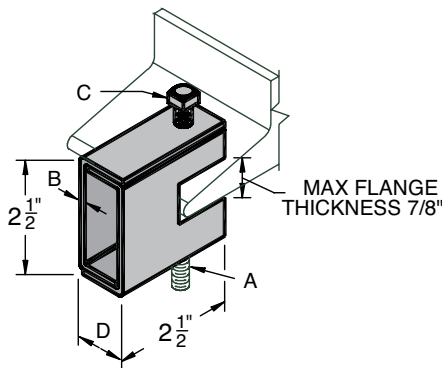
Rod Size A	Set Screw B	C	D	Load Lbs.	Std. Pkg.	Wt./100 Pcs.
1/4"-20	5/16"-18	1 3/8"	1 3/16"	150	50	24
3/8"-16	1/2"-13	1 7/8"	1 3/16"	350	25	65
1/2"-13	1/2"-13	2 3/8"	2 1/2"	1000	25	130

Material: Malleable Iron
 Application: Rod support for beams with a flange thickness of 1/2" max.
 Ordering: Specify part number and rod size
 Std Pkg & Wt/100 pcs: See chart above.

AS 858

EG

HEAVY DUTY SUSPENSION ROD BEAM CLAMP



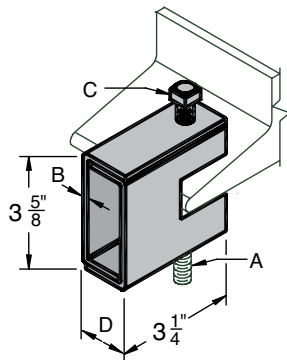
A	B	C	D	Wt./100 Pcs.	Design Load
1/4"-20	1/8"	3/8" x 1 1/2"	7/8"	67	650
5/16"-18	1/8"	3/8" x 1 1/2"	7/8"	67	650
3/8"-16	3/16"	1/2" x 1 1/2"	1 5/16"	100	1100
1/2"-13	1/4"	1/2" x 1 1/2"	1 5/16"	100	1600
5/8"-11	5/16"	5/8" x 1 1/2"	1 15/16"	160	2400
3/4"-10	5/16"	5/8" x 1 1/2"	1 15/16"	160	2400

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

AS 865

EG

WIDE THROAT HEAVY DUTY BEAM CLAMP

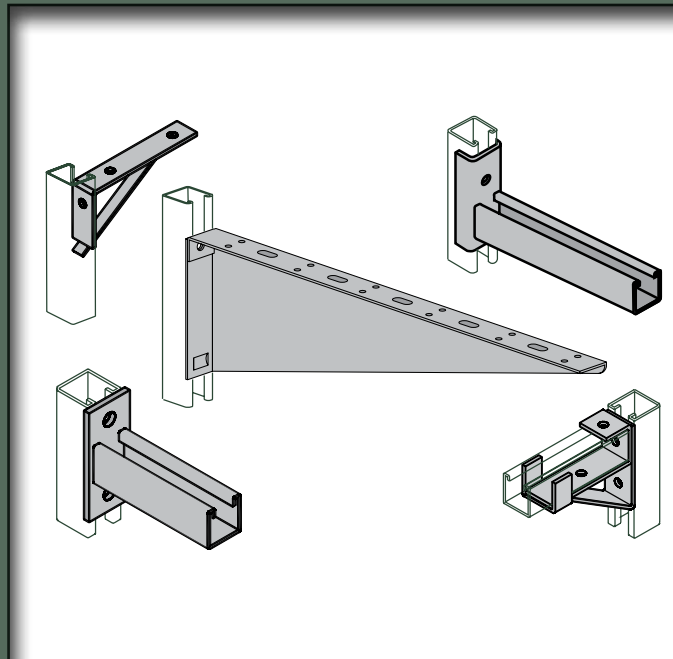


A	B	C	D	Wt./100 Pcs.	Design Load
1/4"-20	1/8"	3/8" x 2"	1 21/32"	109	800
3/8"-16	3/16"	1/2" x 2"	1 11/16"	156	1300
1/2"-13	1/4"	1/2" x 2"	1 11/16"	201	1900

For beams between 3/4" to 1 1/8" thick flanges.

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

BRACKETS



SPECIFICATIONS

GENERAL

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

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

MATERIAL

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

FINISH

Anvil-Strut brackets are available in the following finishes:

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

ORDERING

Specify catalog number, length and finish.

LEGEND:

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

AS 651 EG, GR, ZTC

REVERSIBLE STRUT BRACKET

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

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

Ordering: Specify Part number, length (A) and finish
 Std Pkg: See chart above.

AS 809 EG, GR, ZTC

DOUBLE CHANNEL BRACKET

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

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

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

AS 661 T1 GR

STRUT BRACKET (SLOT UP)

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

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

AS 661 T2 GR

STRUT BRACKET (SLOT DOWN)

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

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

LEGEND:

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

AS 732	GR	SHELF BRACKET		
---------------	-----------	----------------------	--	--

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

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

AS 708	EG, GR	SINGLE CHANNEL BRACKET SUPPORT
---------------	---------------	---------------------------------------

Use with AS 200 and AS 210
 Std Pkg 20 - Wt/100 pcs: 230 Lbs.

AS 3164	EG, GR	DOUBLE CHANNEL BRACKET SUPPORT
----------------	---------------	---------------------------------------

Use with AS 200 BTB and AS 210 BTB
 Std Pkg 10 - Wt/100 pcs: 275 Lbs.

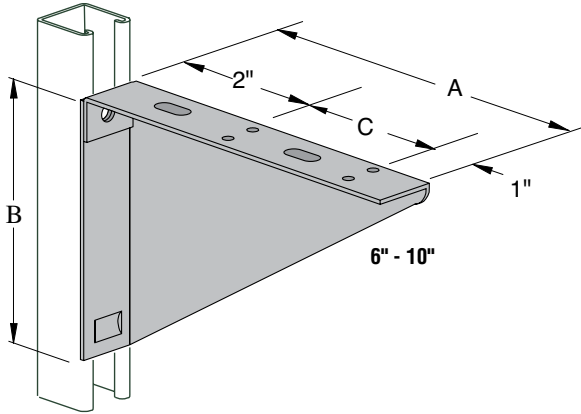
- Table of Contents
- Channel
- Channel Nuts & Hardware
- Pipe & Conduit Supports
- Kio-Shure
- Flat Plates
- Angle Fittings & Connectors
- "Z" Supports
- Wing Fittings
- "U" Supports
- Splice Clevises
- Post Bases
- Miscellaneous Fittings
- Trolleys & Accessories
- Beam Clamps
- Brackets
- Concrete Inserts
- End Caps

LEGEND:

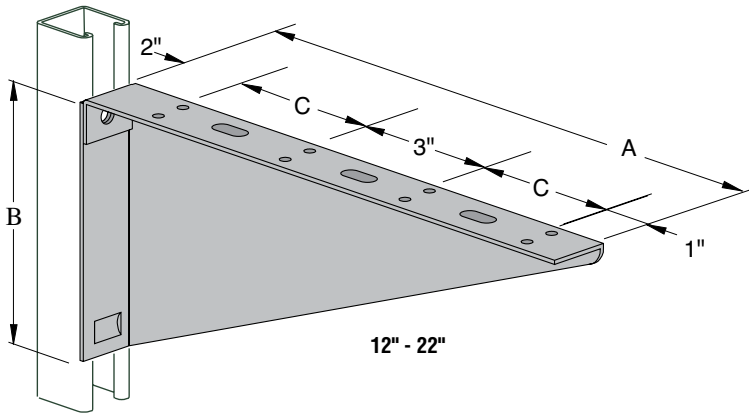
GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium
 Stainless Steel (**SS**), Zinc Trivalent Chromium (**ZTC**) and Hot Dipped Galvanized (**HG**) are specialty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

AS 838 EG, GR

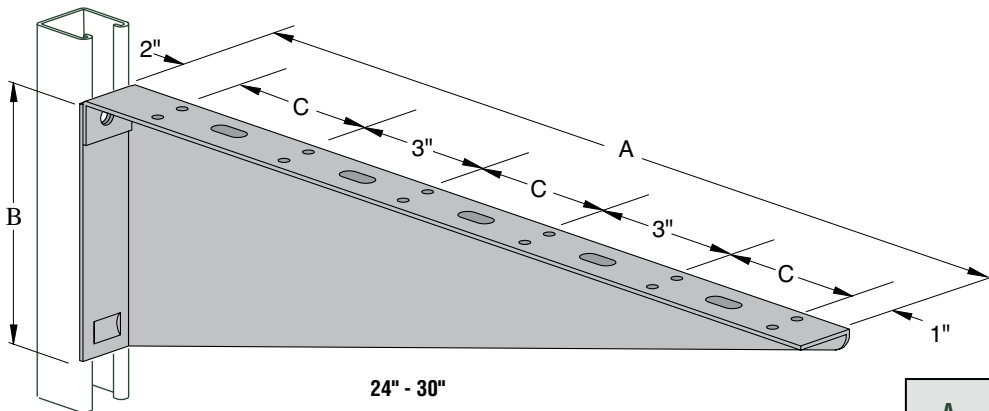
RH & LH SHELF BRACKET (RIGHT HAND SHOWN)



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



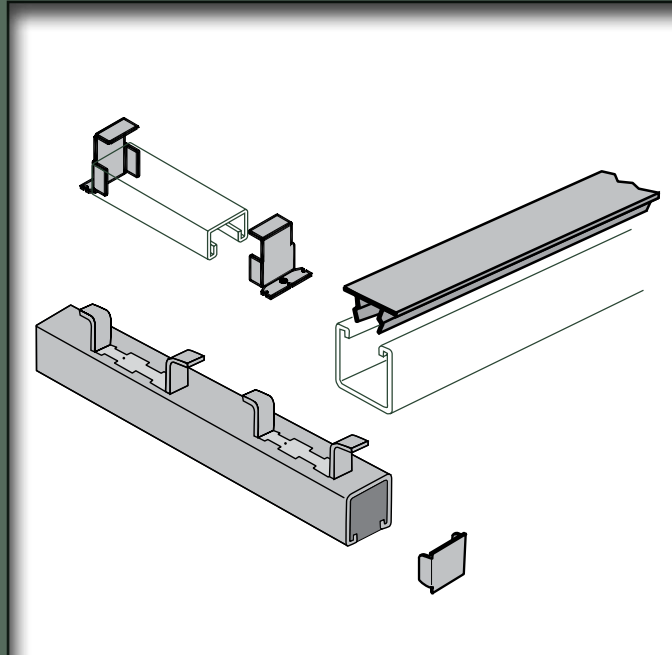
A	B	C	Std. Pkg.	Wt./100 Pcs.
12"	3 ⁷ / ₁₆ "	3"	25	134
14"	3 ¹⁵ / ₁₆ "	4"	25	185
16"	4 ⁷ / ₁₆ "	5"	20	198
18"	4 ¹⁵ / ₁₆ "	6"	20	218
20"	5 ⁷ / ₁₆ "	7"	20	258
22"	5 ¹⁵ / ₁₆ "	8"	-	348



A	B	C	Std. Pkg.	Wt./100 Pcs.
24"	6 ⁷ / ₁₆ "	5"	-	400
26"	6 ¹⁵ / ₁₆ "	5 ¹ / ₁₆ "	-	445
28"	7 ⁷ / ₁₆ "	6 ⁵ / ₁₆ "	-	493
30"	7 ¹⁵ / ₁₆ "	7"	-	545

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

CONCRETE INSERTS



SPECIFICATIONS

GENERAL

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

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

MATERIAL

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

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

FINISH

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

- Pre-GalvanizedASTM A-653-G90
- Hot Dipped GalvanizedASTM A-123
- Electro GalvanizedASTM B-633

LENGTH

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

ORDERING

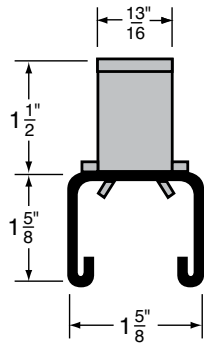
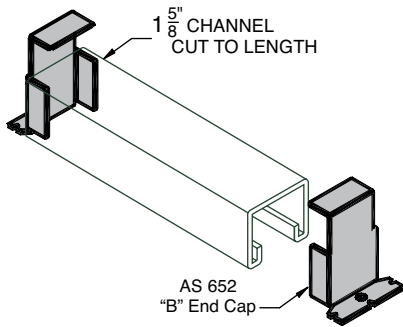
Specify catalog number, length or size where required and finish when necessary.

LEGEND:

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

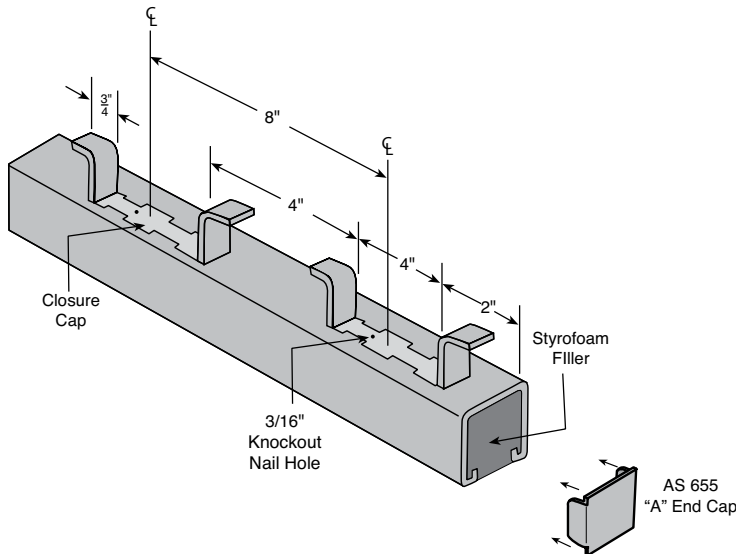
AS 249 PG, PL

CONTINUOUS CONCRETE INSERT



FEATURES

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



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

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

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

Without Closure Strip and End Cap.

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

1 5/8" x 1 5/8" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

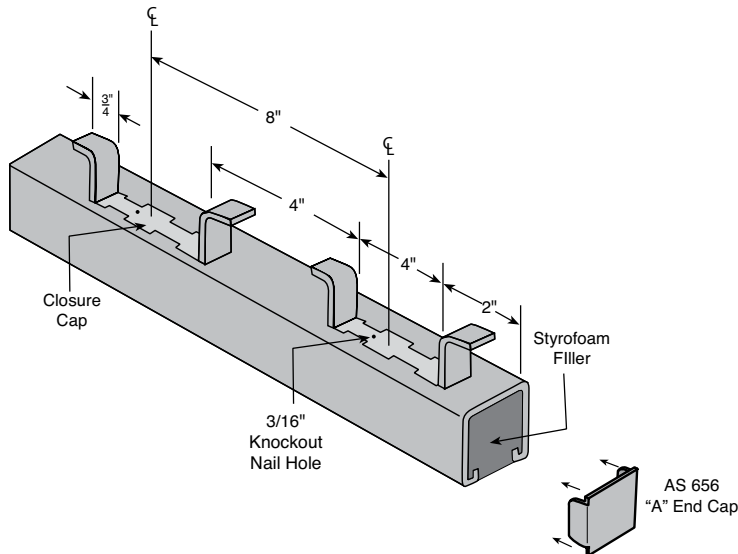
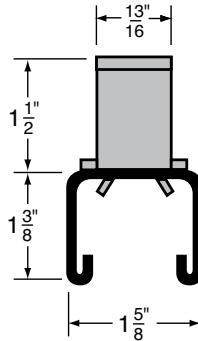
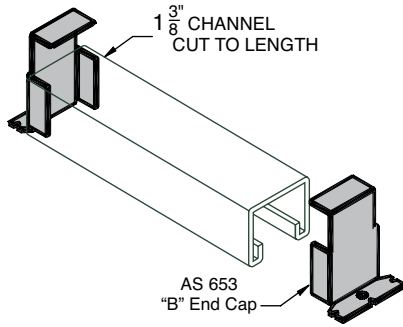
LEGEND:

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

AS 349

PG, PL

CONTINUOUS CONCRETE INSERT



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

FEATURES

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

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

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

Without Closure Strip and End Cap.

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

1 3/8" x 1 3/8" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

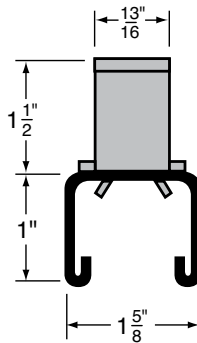
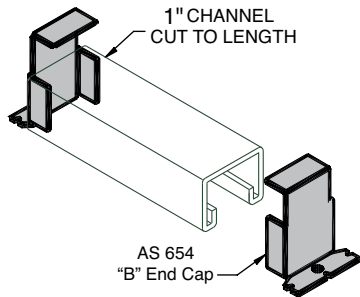
Wt./100 Feet: See chart above.

LEGEND:

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

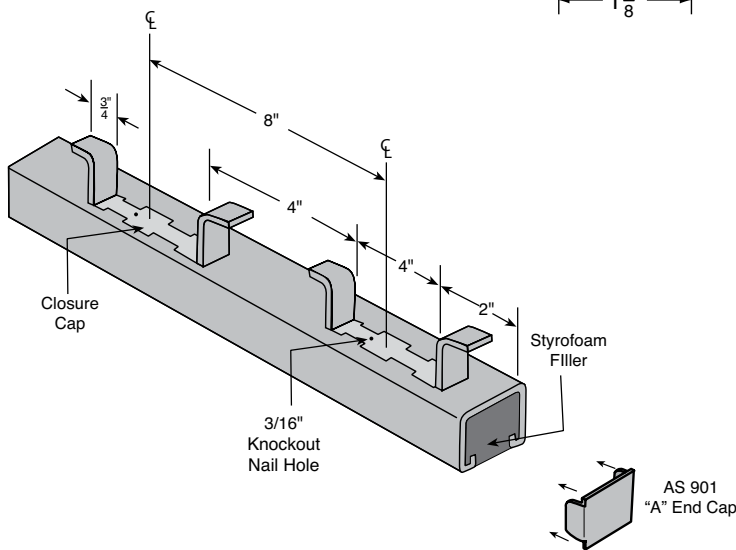
AS 449 PG, PL

CONTINUOUS CONCRETE INSERT



FEATURES

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



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

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

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

Without Closure Strip and End Cap.

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

1" x 1 1/8" x 12 Gauge Channel
Stocked in 10' or 20' lengths, Other lengths available

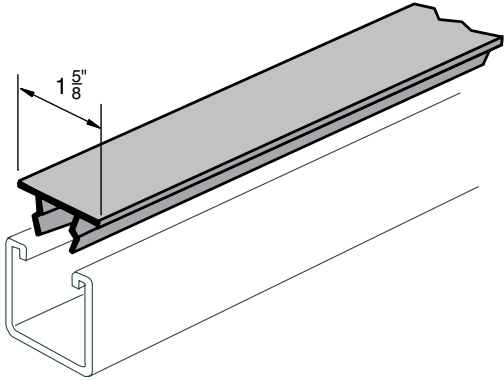
Wt./100 Feet: See chart above.

LEGEND:

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

AS 6151 **PL**

PLASTIC CLOSURE STRIP



MATERIAL: High impact polystyrene plastic. Stocked in black, white and green 10' lengths. Use with all 1 5/8" channel and inserts.

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

Fig. 152

SCREW CONCRETE INSERT

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



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

Fig. 285

LIGHT WEIGHT CONCRETE INSERT



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

Table of Contents

Channel

Channel Nuts & Hardware

Pipe & Conduit Supports

Klo-Shure

Flat Plates

Angle Fittings & Connectors

"Z" Supports

Wing Fittings

"U" Supports

Splice Clevises

Post Bases

Miscellaneous Fittings

Trolleys & Accessories

Beam Clamps

Brackets

Concrete Inserts

End Caps

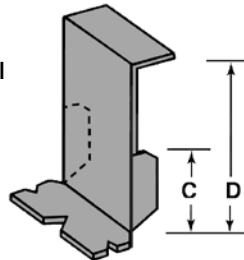
LEGEND:

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

AS 652, AS 653, AS 654 PG

TYPE "B" END CAP

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



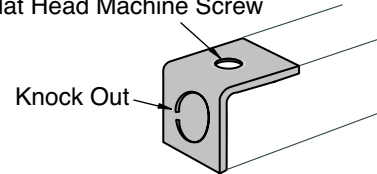
Catalog No.	Use With Anvil-Strut	C	D	Wt./100 Pcs.
AS 652	AS 200	1.42	3 1/8"	22
AS 653	AS 300	1.17	2 7/8"	20
AS 654	AS 400	0.79	2 1/2"	18

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

AS 2511 EG

END CAP WITH KNOCK OUT (CONDUIT END CAP)

Hole for 1/4-20 x 5/8" for Flat Head Machine Screw



Catalog No.	Conduit Size	Use With Anvil-Strut	Wt./100 Pcs.
AS 2511 1	1/2"	AS 150	27
AS 2511 2	1/2" or 3/4"	AS 200 & AS 210	24
AS 2511 3	1/2"	AS 300	21

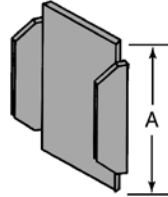
When ordering AS 2511 2, please specify conduit size.

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

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

TYPE "A" END CAP

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

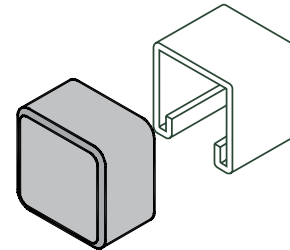


Catalog No.	Use With Anvil-Strut	A	Std. Pkg.	Wt./100 Pcs.
AS 902	AS 100	3 7/32"	100	19
AS 2580	AS 150	2 3/8"	100	16
AS 655	AS 200	1 5/8"	100	7
AS 656	AS 300	1 3/8"	100	6
AS 901	AS 400	1"	100	4
AS 930	AS 500	1 13/16"	200	4

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

AS 6153 Red, White

PLASTIC RED & WHITE SAFETY END CAP



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

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

H-BLOCK ROOFTOP SUPPORT SYSTEMS



SPECIFICATIONS

MATERIAL

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

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

TESTING

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

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

FINISHES

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

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



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

H-BLOCK SPECIAL FEATURES

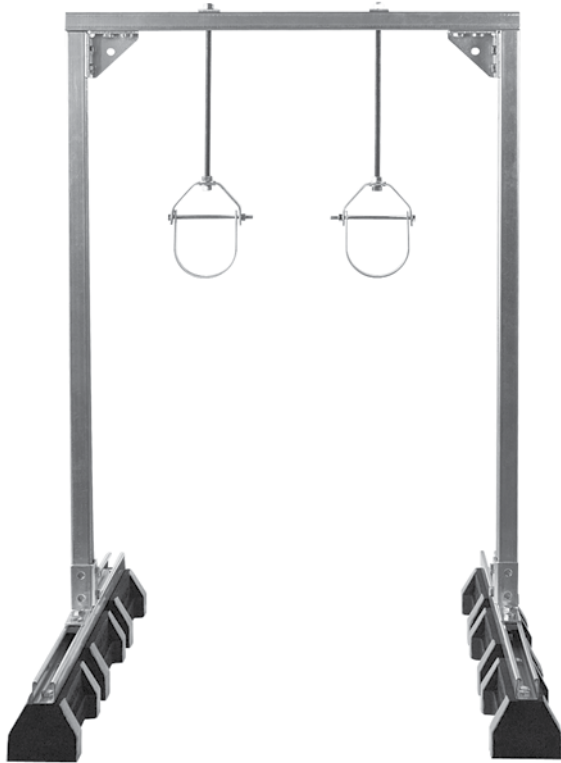
The channel for H-Block support assemblies includes a variety of options. The strut can be made in special lengths, finishes, and alloys including Aluminum, Stainless Steel both 304 & 316, PVC coated, Powder coated, Zinc Trivalent Chromium, Pre-Galvanized and Hot Dipped Galvanized.



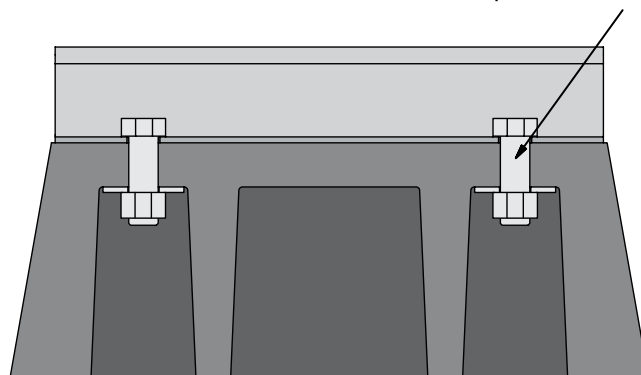
- 100% Recycled Rubber
- LEED Certifiable
- Meets the Buy America Act
- American Reinvestment Recovery Act (A.R.R.A.)
- Independent Laboratory Tested
- Resistance to Freeze and Thaw
- No Deteriorations
- All 4 Corners coated with high visibility safety orange for maximum visibility
- Dampens Vibrations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

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

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



All H-Block products made with 1-5/8" and higher channel is equipped with (2) 1/2" x 1-1/2" hex head cap screws, washers and nuts.



LEGEND:

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



H-Block

H-Block Mini

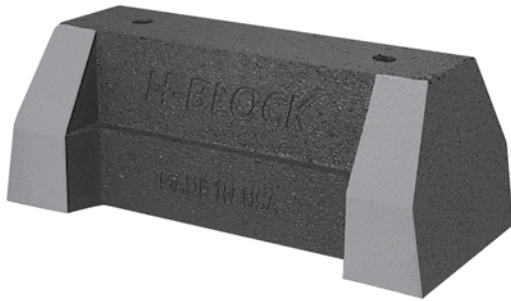
Technical Data

Index

Pipe Hanger Pictorial

HBS-Standard-Base Only

HBS-BASE RUBBER SUPPORT – BASE ONLY

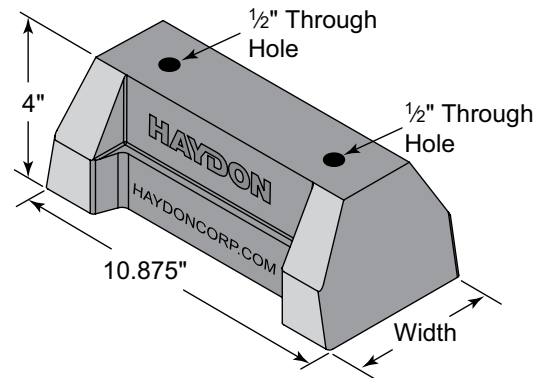


The HBS-Base Series is UV resistant and suitable for installation on most types of roofing material or other flat surfaces. Can be used as a curb (sleeper) replacement. Screw fasteners can be used to attach one or two hole pipe straps or a piece of strut (not included).

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



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



HBS-BASE RUBBER SUPPORT – BASE ONLY

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-Standard-Base Only	4" (101mm)	5" (127mm)	10 7/8" (276mm)	4.80 lbs.	1,500*

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

LEGEND:

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



HBS Series

PG, HG

HBS-SUPPORT WITH STEEL CHANNEL

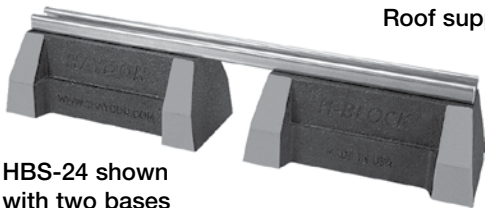


Like all of the H-Block supports, the HBS Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

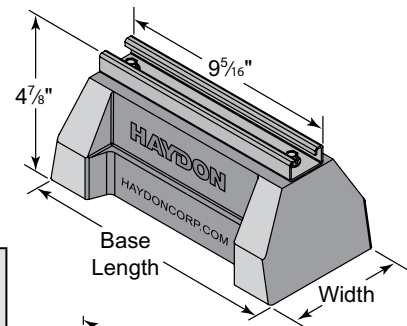
The HBS Series provides a longer mounting surface with strut lengths up to 46³/₈" Standard strut mount pipe clamps are used to secure the pipes. (See pages 55 - 66).

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

Roof supports come pre-assembled.



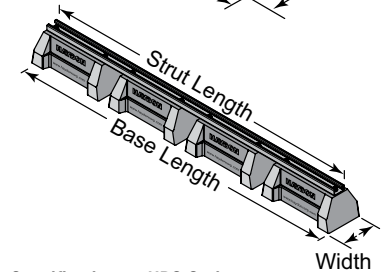
HBS-24 shown with two bases



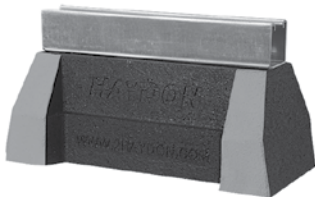
HBS-SUPPORT WITH 1³/₁₆" H-164 CHANNEL

Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBS-10-H-164-PG	4 ⁷ / ₈ " (124mm)	5" (127mm)	1	9.312" (237mm)	10 ⁷ / ₈ " (276mm)	5.62	1,500*
HBS-24-H-164-PG			2	22.375" (568mm)	24" (610mm)	11.56	3,000*
HBS-36-H-164-PG			3	34.375" (873mm)	36" (914mm)	17.41	4,500*
HBS-48-H-164-PG			4	46.375" (1178mm)	48" (1219mm)	23.25	6,000*

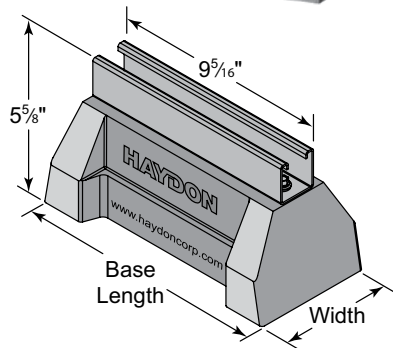
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity



Specifications – HBS Series
H-Block Support with:
1³/₁₆" H-164 Channel, or 1⁵/₈" H-132 Channel
Material - 100% recycled rubber, UV resistant



HBS-SUPPORT WITH 1⁵/₈" H-132 CHANNEL



Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBS-10-H-132-PG	5 ⁵ / ₈ " (143mm)	5" (127mm)	1	9.312" (237mm)	10 ⁷ / ₈ " (276mm)	6.26	1,500*
HBS-24-H-132-PG			2	22.375" (568mm)	24" (610mm)	13.10	3,000*
HBS-36-H-132-PG			3	34.375" (873mm)	36" (914mm)	19.77	4,500*
HBS-48-H-132-PG			4	46.375" (1178mm)	48" (1219mm)	26.44	6,000*

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

LEGEND:

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



H-Block

H-Block Mini

Technical Data

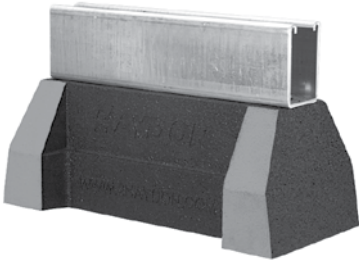
Index

Pipe Hanger Pictorial

HBS-6 Series

PG, HG

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

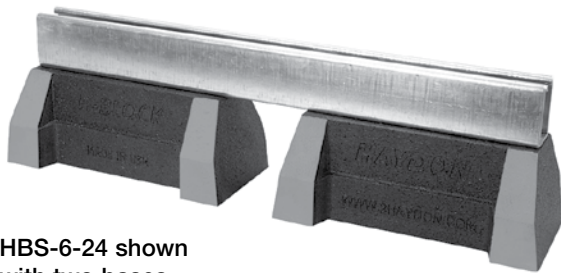


Like all of the H-Block supports, the HBS-6 Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

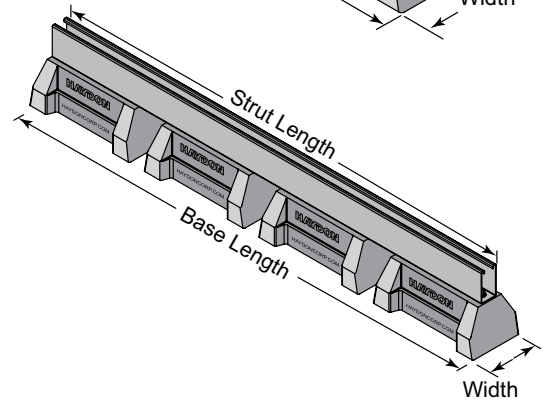
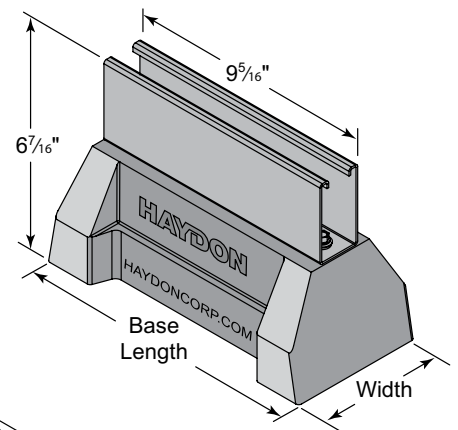
The HBS-6 Series provides a longer mounting surface with strut lengths up to 46³/₈".

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

Roof supports come pre-assembled



HBS-6-24 shown with two bases



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

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

Model No.	Height	Width	No. of Bases Required	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-6-10-H-122-PG	6 ⁷ / ₁₆ " (165mm)	5" (127mm)	1	9.312" (237mm)	10 ⁷ / ₈ " (276mm)	6.69	1,500*
HBS-6-24-H-122-PG			2	22.375" (568mm)	24" (610mm)	14.13	3,000*
HBS-6-36-H-122-PG			3	34.375" (873mm)	36" (914mm)	21.35	4,500*
HBS-6-48-H-122-PG			4	46.375" (1178mm)	48" (1219mm)	28.58	6,000*

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

LEGEND:

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



HBS-CB Bridge Series

PG, HG

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

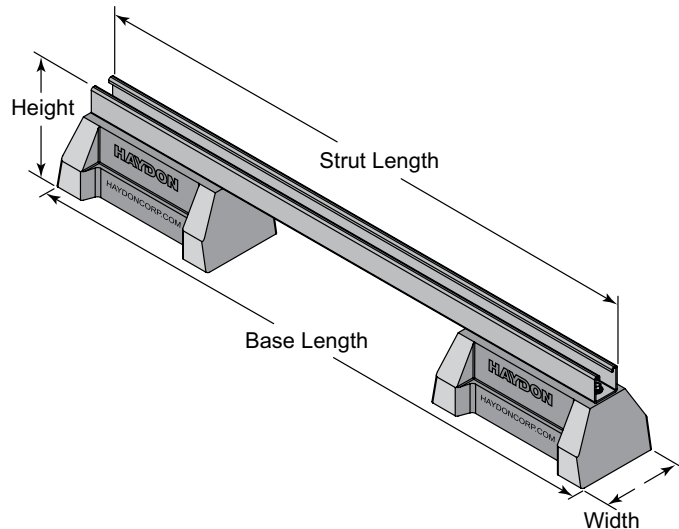


Like all of the H-Block supports, the HBS-CB-Bridge Series is perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

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

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

Roof supports come pre-assembled



Specifications – HBS-CB Series

Base - Bridge style support with two H-Block Bases & 1½" Galv. H-132

Steel Channel

Material - 100% recycled rubber, UV resistant

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

Model No.	Height	Width	Strut Length	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CB10-28-H-132-PG	5½" (143mm)	5" (127mm)	28" (711mm)	29¾" (756mm)	13.96	1,480*
HBS-CB10-36-H-132-PG			36" (914mm)	37¾" (959mm)	15.18	1,150*
HBS-CB10-42-H-132-PG			42" (1067mm)	43¾" (1111mm)	16.09	985*
HBS-CB10-50-H-132-PG			50" (1270mm)	51¾" (1314mm)	17.31	825*
HBS-CB10-60-H-132-PG			60" (1524mm)	61¾" (1568mm)	18.84	685*

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

LEGEND:

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



H-Block

H-Block Mini

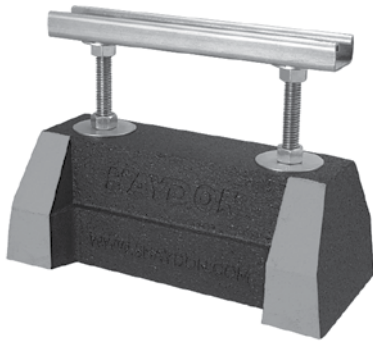
Technical Data

Index

Pipe Hanger Pictorial

HBS-CE Extension Series PG, HG

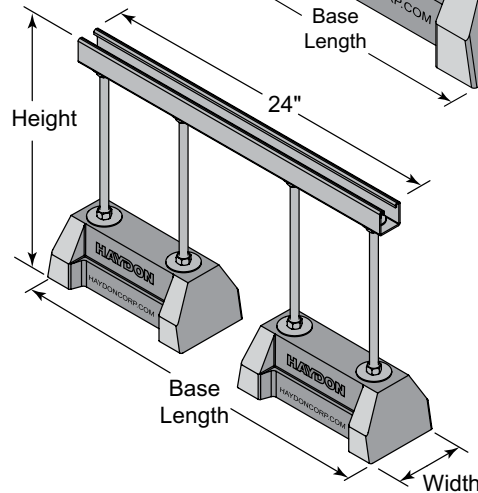
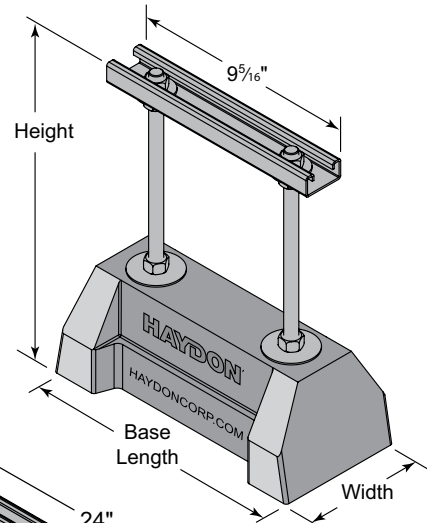
HBS-CE-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND CHANNEL



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

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

Roof supports come pre-assembled



Specifications – HBS-CE
 Two H-Block Bases and Threaded Rod Riser with:
 1 3/16" H-164 Channel, or 1 5/8" H-132 Channel
 Material - 100% recycled rubber, UV resistant

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

Model No.	Height	Width	Strut Length	Strut Size	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CE10-8-H-164-PG	8" (203mm)	5" (127mm)	9.312" (237mm)	1 3/16"	10 7/8" (276mm)	6.89	1,000*
HBS-CE10-12-H-164-PG	12" (305mm)			H-164			
HBS-CE24-16-H-132-PG	16" (406mm)		24.000" (610mm)	1 5/8" H-132	26" (660mm)	15.85	1,700*

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

LEGEND:

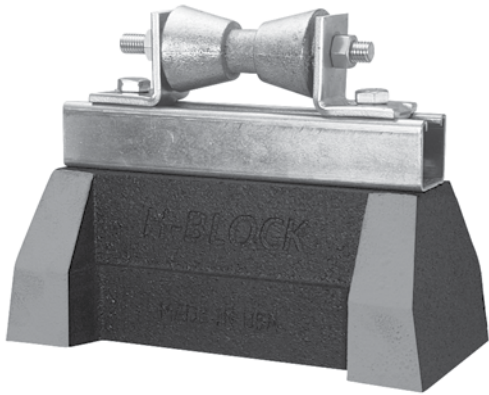
PG: Pre-Galvanized HG: Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.



HBS-Roller Series

PG, HG

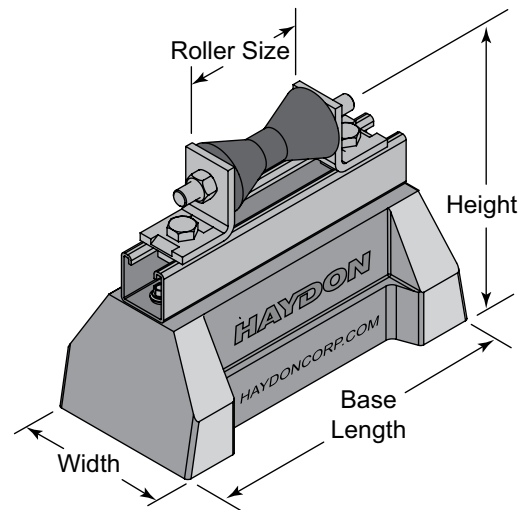
HBS BASE WITH 1 1/8" H-132 PRE-GALV. STEEL CHANNEL AND ROLLERS



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

Roof supports come pre-assembled

Specifications – HBS-Roller Series
 H-Block Support with: 1 1/8" H-132 Channel
 Material - 100% recycled rubber, UV resistant
 Pipe O.D. - 1" thru 10"



HBS BASE WITH 1 5/8" H-132 PRE-GALV. STEEL CHANNEL AND ROLLERS

Model No.	Pipe Size (O.D.)	Overall Height	Height to Roller Center	Strut Length	Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-R10-1-2-H-132-PG	1" to 2" (25 to 51mm)	8" (203mm)	7" (178mm)	9.312" (237mm)	5" (127mm)	10 7/8" (276mm)	1	9.13	1,500*
HBS-R10-2-3 1/2-H-132-PG	2" to 3 1/2" (51 to 89mm)						1	8.94	1,500*
HBS-R10-4-6-H-132-PG	4" to 6" (102 to 152mm)						1	9.37	1,500*
HBS-R24-8-10-H-132-PG	8" to 10" (203 to 1254mm)	10 1/16" (262mm)	8 5/8" (219mm)			24" (610mm)	2	21.26	3,000*

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

LEGEND:

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

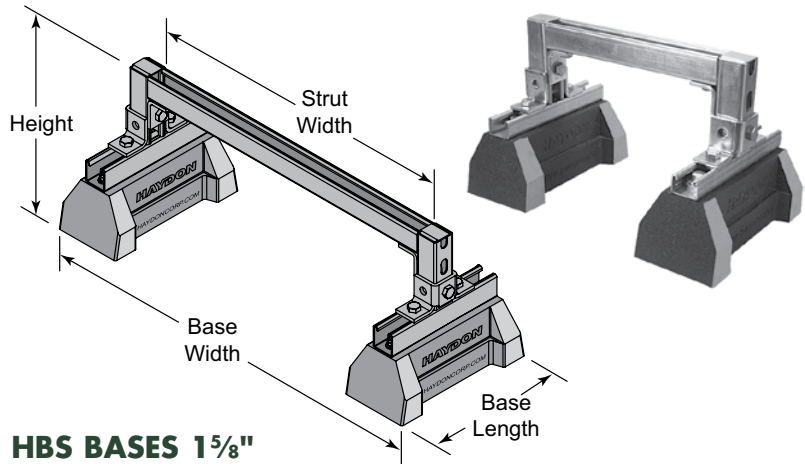


HBS-CES Series

PG, HG

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

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

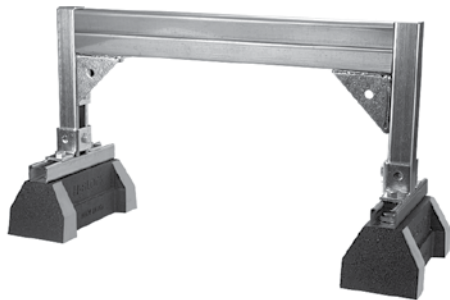


RAISED BRIDGE LENGTH WITH 2 HBS BASES 1 5/8" H-132 PRE-GALV. STEEL CHANNEL

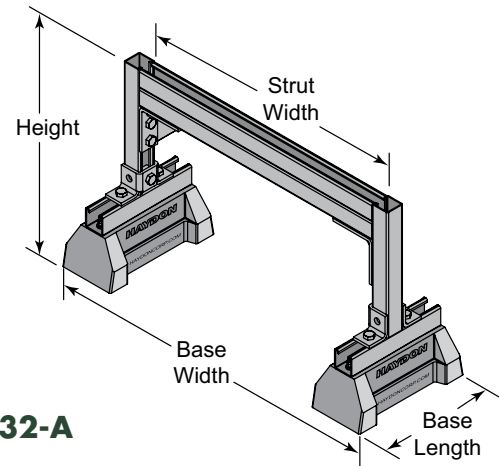
Model No.	Height	Base Width	Strut Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CES-10-12-H-132-PG	10"	18 5/8" (473mm)	12" (305mm)	10 7/8" (276mm)	19.4	3,045*
HBS-CES-10-24-H-132-PG	(254mm)	30 5/8" (763mm)	24" (610mm)		21.9	1,520*

Specifications – HBS-CES Series
Two H-Block bases with
1 5/8" H-132 Strut, or
3/4" H-132-A back-to-back Strut
Material - 100% recycled rubber, UV resistant

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



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



RAISED BRIDGE LENGTH WITH 2 HBS BASES 3 1/4" H-132-A BACK-TO-BACK PRE-GALV. STEEL CHANNEL

Model No.	Height	Base Width	Strut Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-CES-16-24-H-132-A-PG	16"	30 5/8" (763mm)	24" (610mm)	10 7/8" (276mm)	30.8	3,000*
HBS-CES-16-36-H-132-A-PG	(406mm)	42 5/8" (1067mm)	36" (914mm)		34.3	2,840*

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

H-Block

H-Block Mini

Technical Data

Index

Pipe Hanger Pictorial

LEGEND:

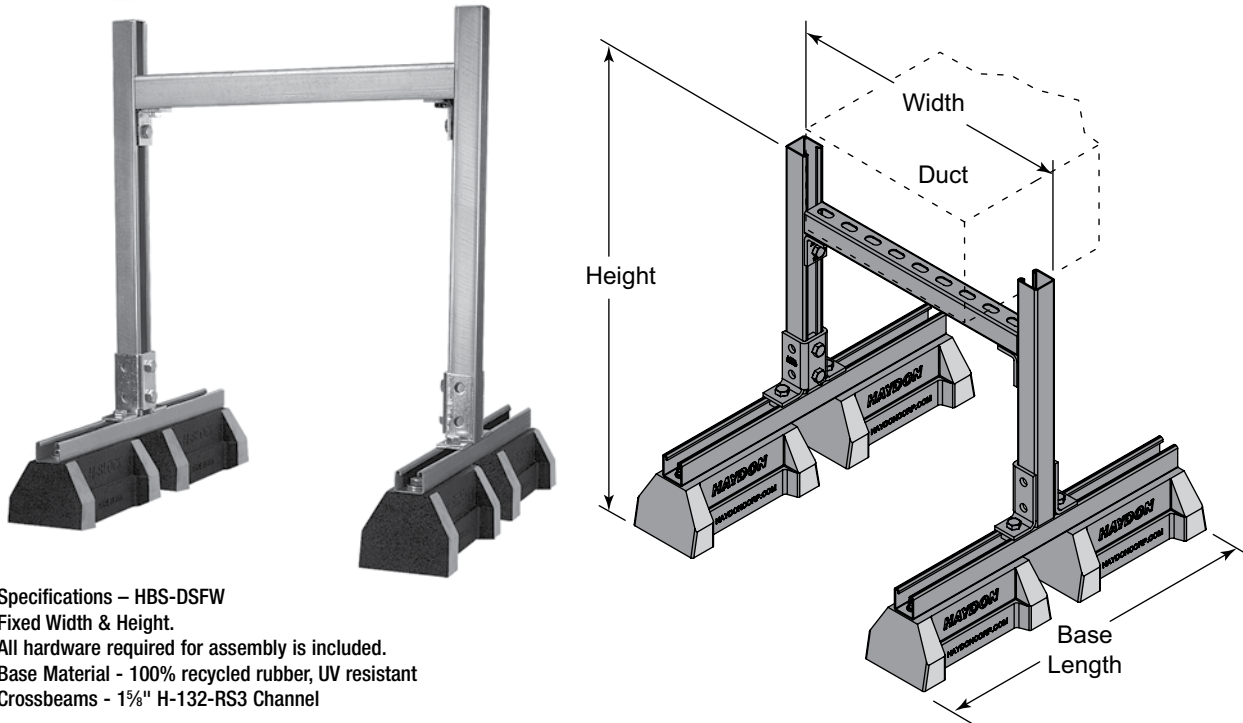
PG: Pre-Galvanized HG: Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.



HBS-DSFW Fixed Width Duct Support PG, HG

HBS-DS DUCT SUPPORT SERIES WITH FIXED WIDTH AND ADJUSTABLE HEIGHT

The HBS-DSFW Series is designed specifically for supporting duct work.



Specifications – HBS-DSFW

Fixed Width & Height.

All hardware required for assembly is included.

Base Material - 100% recycled rubber, UV resistant

Crossbeams - 1 1/2" H-132-RS3 Channel

HBS-DS DUCT SUPPORT SERIES WITH FIXED WIDTH AND ADJUSTABLE HEIGHT

Model No.	Height	Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-DS2FW-23-18-H-132-PG	23" (584mm)	18" (457mm)	24" (610mm)	4	39.80	2,030*
HBS-DS2FW-23-24-H-132-PG		24" (610mm)			40.67	1,520*
HBS-DS2FW-23-36-H-132-PG		36" (914mm)			42.33	1,010*
HBS-DS2FW-23-48-H-132-PG		48" (1219mm)			43.99	755*
HBS-DS2FW-29-18-H-132-PG	29" (737mm)	18" (457mm)	24" (610mm)	4	41.58	2,030*
HBS-DS2FW-29-24-H-132-PG		24" (610mm)			42.41	1,520*
HBS-DS2FW-29-36-H-132-PG		36" (914mm)			44.08	1,010*
HBS-DS2FW-29-48-H-132-PG		48" (1219mm)			45.74	755*
HBS-DS2FW-41-18-H-132-PG	41" (1041mm)	18" (457mm)	24" (610mm)	4	45.07	2,030*
HBS-DS2FW-41-24-H-132-PG		24" (610mm)			45.90	1,520*
HBS-DS2FW-41-36-H-132-PG		36" (914mm)			47.56	1,010*
HBS-DS2FW-41-48-H-132-PG		48" (1219mm)			49.22	755*
HBS-DS3FW-53-18-H-132-PG	53" (1346mm)	18" (457mm)	36" (914mm)	6	62.23	2,030*
HBS-DS3FW-53-24-H-132-PG		24" (610mm)			63.06	1,520*
HBS-DS3FW-53-36-H-132-PG		36" (914mm)			64.72	1,010*
HBS-DS3FW-53-48-H-132-PG		48" (1219mm)			66.38	755*

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

LEGEND:

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

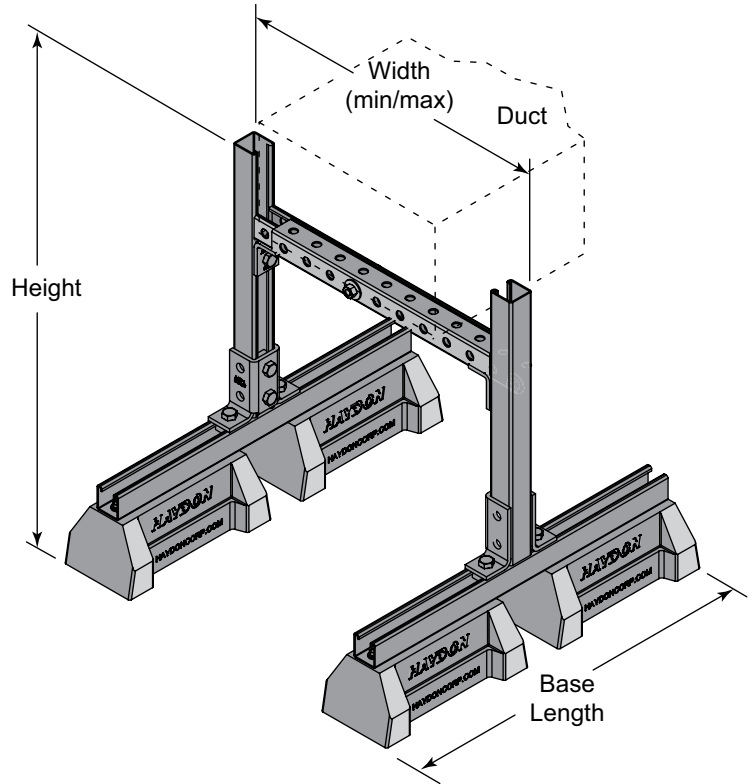


HBS-DSAW Adjustable Duct Support PG, HG

HBS-DS-DUCT SUPPORT SERIES WITH ADJUSTABLE WIDTH AND HEIGHT



The HBS-DSAW Series is designed specifically for supporting duct work. The telescopic cross beam provides easy size adjustments. A wide range of support widths are provided from 19¼" to 103⅝"



Specifications – HBS-DSAW Adjustable Width & Height.
 All hardware required for assembly is included.
 Base Material - 100% recycled rubber, UV resistant
 Telescopic Crossbeams - 1½" H-132-RS3 Channel

HBS-DS-DUCT SUPPORT SERIES WITH ADJUSTABLE WIDTH AND HEIGHT

Model No.	Width		Height	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
	Minimum	Maximum					
HBS-DSAW-29-20-26-H-132-PG	19¼" (489mm)	26¾" (679mm)	28.813" (732mm)	10⅞" (276mm)	2	29.61	1,080*
HBS-DSAW-29-25-39-H-132-PG	24⅞" (632mm)	39⅞" (1013mm)		24" (610mm)	4	46.47	510*
HBS-DS2AW-29-38-62-H-132-PG	38" (965mm)	62⅝" (1575mm)		36" (914mm)	6	66.90	305*
HBS-DS3AW-29-63-103-H-132-PG	62⅝" (1584mm)	103⅝" (2617mm)	36" (914mm)	10⅞" (276mm)	2	30.61	1,080*
HBS-DSAW-36-20-26-H-132-PG	19¼" (489mm)	26¾" (679mm)		24" (610mm)	4	47.47	510*
HBS-DSAW-36-25-39-H-132-PG	24⅞" (632mm)	39⅞" (1013mm)		36" (914mm)	6	67.90	305*
HBS-DS3AW-36-63-103-H-132-PG	62⅝" (1584mm)	103⅝" (2617mm)					

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

H-Block

H-Block Mini

Technical Data

Index

Pipe Hanger Pictorial

LEGEND:

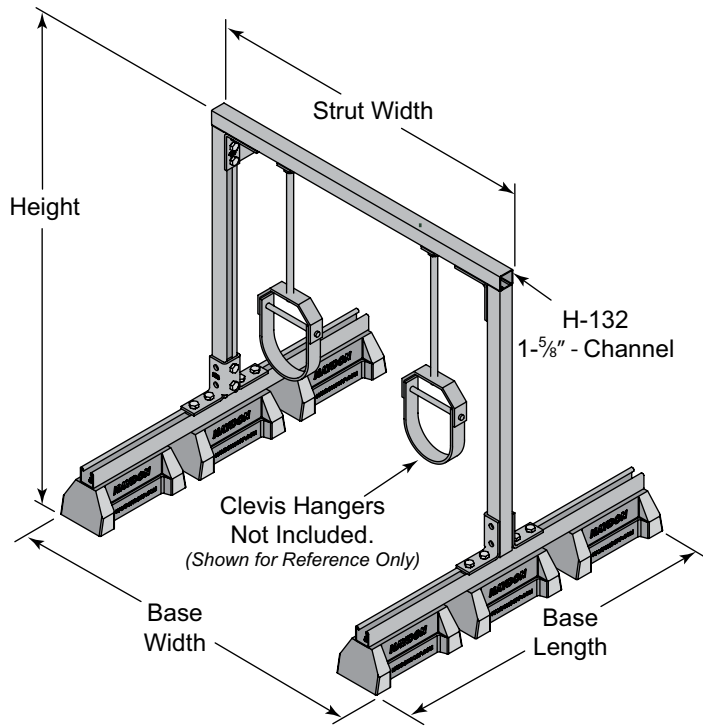
PG: Pre-Galvanized HG: Hot Dipped Galvanized Pricing is located in the Anvil H-Block price book.



HBS-PH 36" Light Duty Pipe Hanger Support PG, HG

HBS-PH 36" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.



Specifications

Fixed Width & Height.

All hardware required for assembly is included.

Base Material - 100% recycled rubber, UV resistant

Crossbeams - 1 5/8" H-132 Channel

HBS-PH 36" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-132-PG	36" (914mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	62	1,145*
HBS-PH-36-48-H-132-PG		48" (1219mm)	51 3/8" (1305mm)			64	855*
HBS-PH-36-60-H-132-PG		60" (1524mm)	63 3/8" (1610mm)			66	680*
HBS-PH-36-72-H-132-PG		72" (1829mm)	75 3/8" (1915mm)			68	565*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

LEGEND:

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

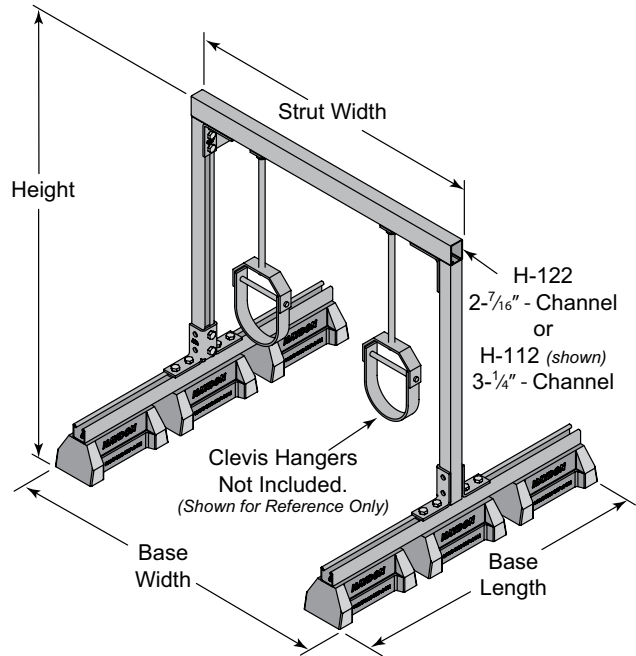
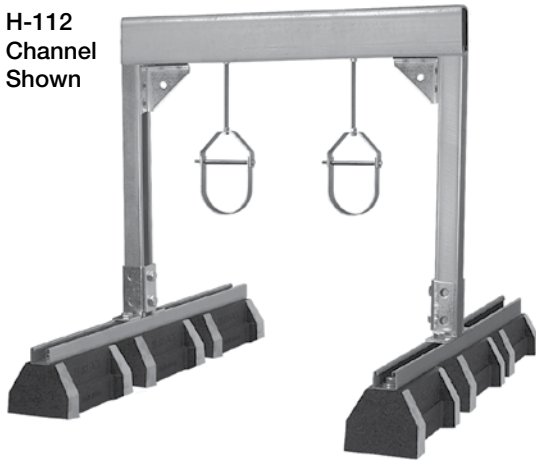


HBS-PH 36" Medium Duty Pipe Hanger Support PG, HG

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112 Channel Shown



Specifications
 Fixed Width & Height.
 All hardware required for assembly is included.
 Base Material - 100% recycled rubber, UV resistant
 Crossbeams - 2-7/16" H-122 Channel or 3-1/4" H-112 Channel

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-122 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-122-PG	36" (914mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	63	2,190*
HBS-PH-36-48-H-122-PG		48" (1219mm)	51 3/8" (1305mm)			66	1,635*
HBS-PH-36-60-H-122-PG		60" (1524mm)	63 3/8" (1610mm)			68	1,305*
HBS-PH-36-72-H-122-PG		72" (1829mm)	75 3/8" (1915mm)			71	1,080*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

HBS-PH 36" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-112 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-112-PG	36" (914mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	65	3,505*
HBS-PH-36-48-H-112-PG		48" (1219mm)	51 3/8" (1305mm)			68	2,620*
HBS-PH-36-60-H-112-PG		60" (1524mm)	63 3/8" (1610mm)			71	2,090*
HBS-PH-36-72-H-112-PG		72" (1829mm)	75 3/8" (1915mm)			74	1,735*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

LEGEND:

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

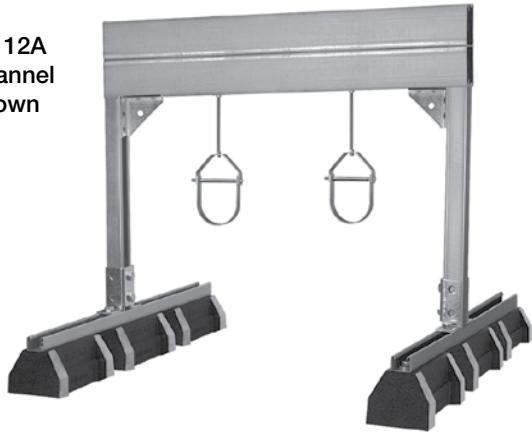


HBS-PH 36" Heavy Duty Pipe Hanger Support PG, HG

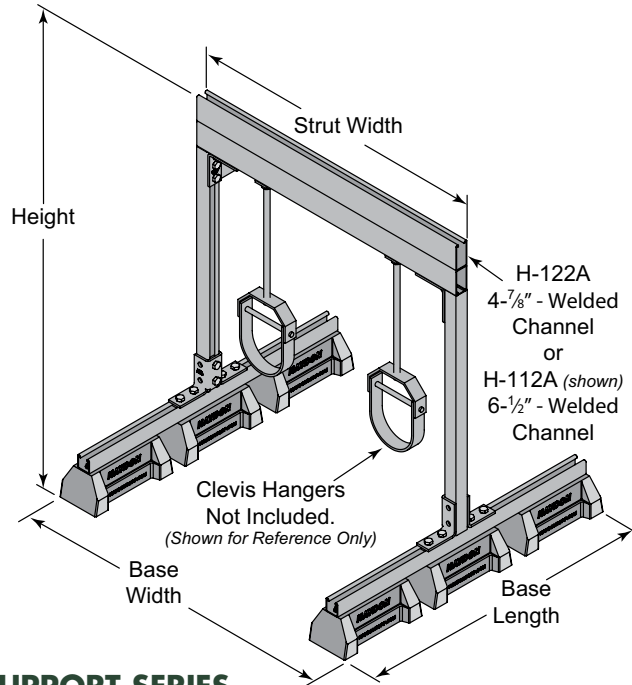
HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112A Channel Shown



Specifications
 Fixed Width & Height.
 All hardware required for assembly is included.
 Base Material - 100% recycled rubber, UV resistant
 Crossbeams - 4-7/8" H-122A Channel or 6-1/2" H-112A Channel



HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-122A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-122A-PG	36" (914mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	70	3,870*
HBS-PH-36-48-H-122A-PG		48" (1219mm)	51 3/8" (1305mm)			75	3,870*
HBS-PH-36-60-H-122A-PG		60" (1524mm)	63 3/8" (1610mm)			80	3,845*
HBS-PH-36-72-H-122A-PG		72" (1829mm)	75 3/8" (1915mm)			84	3,195*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

HBS-PH 36" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-112A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-36-36-H-112A-PG	36" (914mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	73	3,870*
HBS-PH-36-48-H-112A-PG		48" (1219mm)	51 3/8" (1305mm)			79	3,870*
HBS-PH-36-60-H-112A-PG		60" (1524mm)	63 3/8" (1610mm)			85	3,870*
HBS-PH-36-72-H-112A-PG		72" (1829mm)	75 3/8" (1915mm)			91	3,870*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

LEGEND:

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

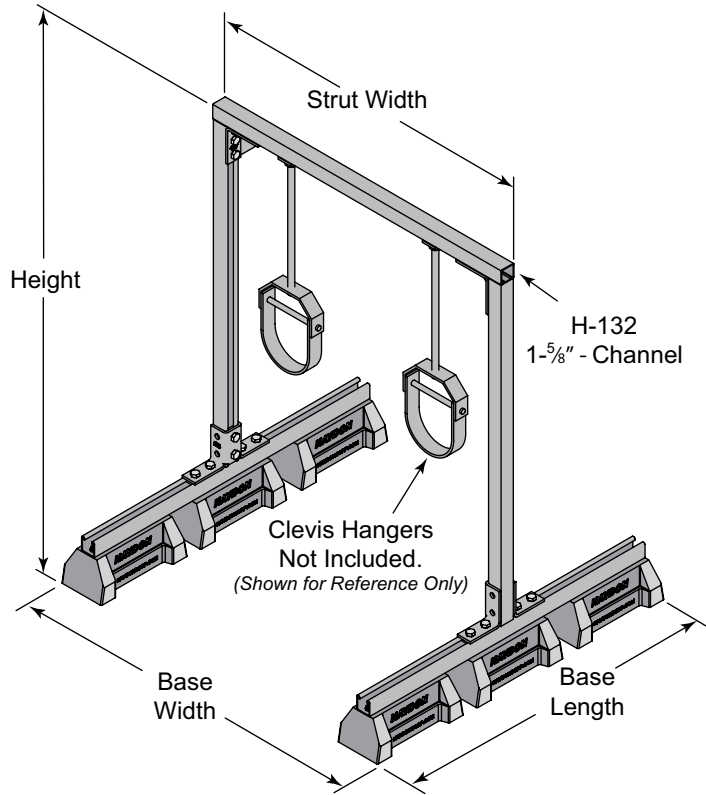


HBS-PH 48" Light Duty Pipe Hanger Support

PG, HG

HBS-PH 48" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132 PG TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.



Specifications
 Fixed Width & Height.
 All hardware required for assembly is included.
 Base Material - 100% recycled rubber, UV resistant
 Crossbeams - 1 5/8" H-132 Channel

HBS-PH 48" LIGHT DUTY PIPE HANGER SUPPORT SERIES WITH H-132PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-132-PG	48" (1219mm)	36" (914mm)	39 3/8" (1000mm)	36" (914mm)	6	66	1,145*
HBS-PH-48-48-H-132-PG		48" (1219mm)	51 3/8" (1305mm)			68	855*
HBS-PH-48-60-H-132-PG		60" (1524mm)	63 3/8" (1610mm)			70	680*
HBS-PH-48-72-H-132-PG		72" (1829mm)	75 3/8" (1915mm)			72	565*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

H-Block

H-Block Mini

Technical Data

Index

Pipe Hanger Pictorial

LEGEND:

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

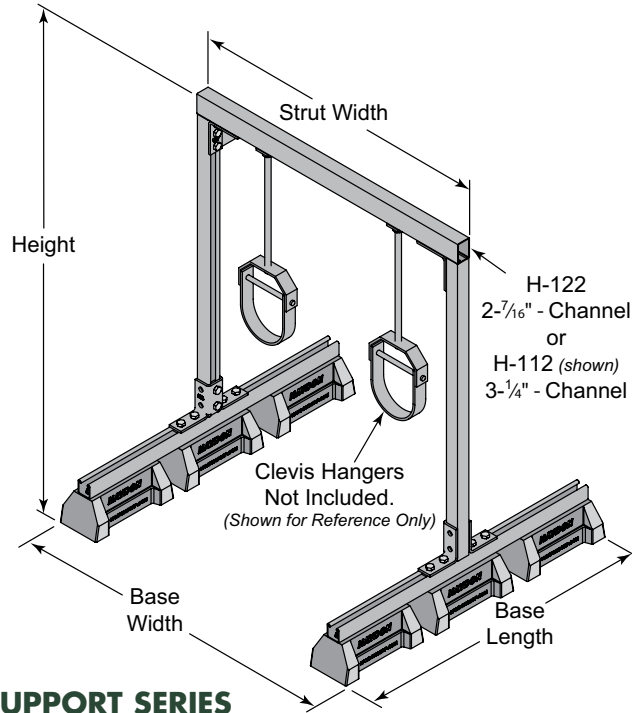


HBS-PH 48" Medium Duty Pipe Hanger Support PG, HG

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112 Channel Shown



Specifications
 Fixed Width & Height.
 All hardware required for assembly is included.
 Base Material - 100% recycled rubber, UV resistant
 Crossbeams - 2⁷/₁₆" H-122 Channel or 3¹/₄" H-112 Channel

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-122 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-122-PG	48" (1219mm)	36" (914mm)	39 ³ / ₈ " (1000mm)	36" (914mm)	6	67	2,190*
HBS-PH-48-48-H-122-PG		48" (1219mm)	51 ¹ / ₂ " (1305mm)			70	1,635*
HBS-PH-48-60-H-122-PG		60" (1524mm)	63 ³ / ₈ " (1610mm)			72	1,305*
HBS-PH-48-72-H-122-PG		72" (1829mm)	75 ³ / ₈ " (1915mm)			75	1,080*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

HBS-PH 48" MEDIUM DUTY PIPE HANGER SUPPORT SERIES WITH H-112 PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-112-PG	48" (1219mm)	36" (914mm)	39 ³ / ₈ " (1000mm)	36" (914mm)	6	69	3,505*
HBS-PH-48-48-H-112-PG		48" (1219mm)	51 ¹ / ₂ " (1305mm)			72	2,620*
HBS-PH-48-60-H-112-PG		60" (1524mm)	63 ³ / ₈ " (1610mm)			75	2,090*
HBS-PH-48-72-H-112-PG		72" (1829mm)	75 ³ / ₈ " (1915mm)			78	1,735*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

LEGEND:

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



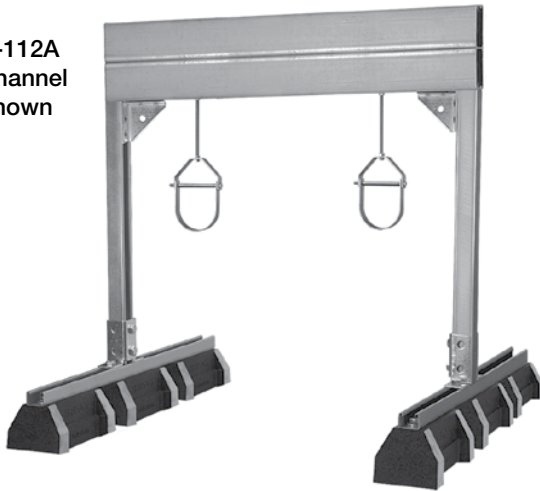
HBS-PH 48" Heavy Duty Pipe Hanger Support

PG, HG

HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH TOP SUPPORT

The HBS-PH Series is designed specifically for supporting piping.

H-112A Channel Shown



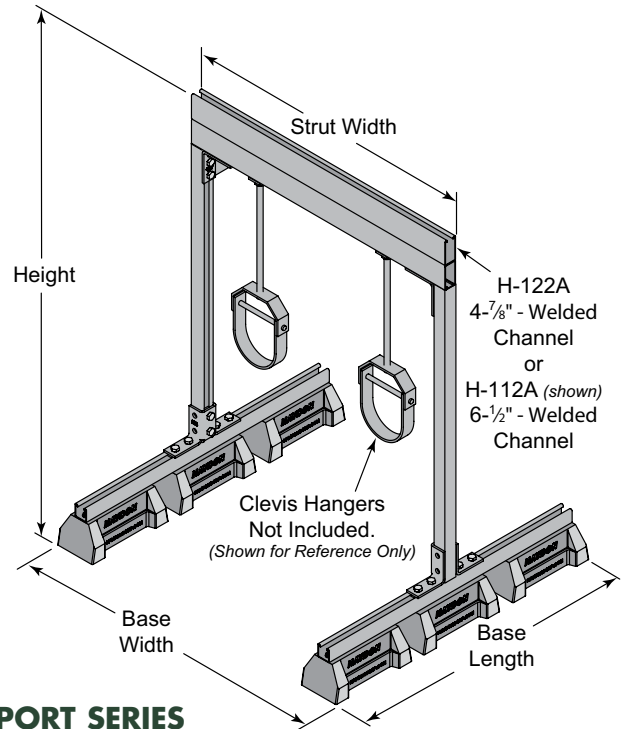
Specifications

Fixed Width & Height.

All hardware required for assembly is included.

Base Material - 100% recycled rubber, UV resistant

Crossbeams - 4⁷/₈" H-122A Channel or 6¹/₂" H-112A Channel



HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-122A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-122A-PG	48" (1219mm)	36" (914mm)	39 ³ / ₈ " (1000mm)	36" (914mm)	6	74	3,870*
HBS-PH-48-48-H-122A-PG		48" (1219mm)	51 ³ / ₈ " (1305mm)			79	3,870*
HBS-PH-48-60-H-122A-PG		60" (1524mm)	63 ³ / ₈ " (1610mm)			83	3,845*
HBS-PH-48-72-H-122A-PG		72" (1829mm)	75 ³ / ₈ " (1915mm)			88	3,195*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

HBS-PH 48" HEAVY DUTY PIPE HANGER SUPPORT SERIES WITH H-112A PG TOP SUPPORT

Model No.	Height	Strut Width	Base Width	Base Length	No. of Bases	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBS-PH-48-36-H-112A-PG	48" (1219mm)	36" (914mm)	39 ³ / ₈ " (1000mm)	36" (914mm)	6	77	3,870*
HBS-PH-48-48-H-112A-PG		48" (1219mm)	51 ³ / ₈ " (1305mm)			82	3,870*
HBS-PH-48-60-H-112A-PG		60" (1524mm)	63 ³ / ₈ " (1610mm)			88	3,870*
HBS-PH-48-72-H-112A-PG		72" (1829mm)	75 ³ / ₈ " (1915mm)			94	3,870*

* This load is only for the capacity of the components in this assembly with the pipe hangers located at a distance 1/4 from each end of the top channel. For pipe hangers located 1/3 from each end, multiply uniform load by .75. For any other loading scenario, please consult the appropriate engineer. Please consult Roofing manufacturer or engineer for roof load capacity.

Torque Setting - All load capacities stated herein are based on the use of 1/2" channel nuts tightened to 50 ft-lbs.

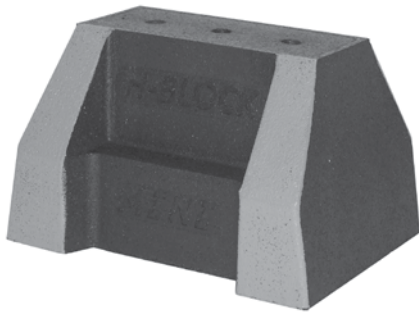
LEGEND:

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



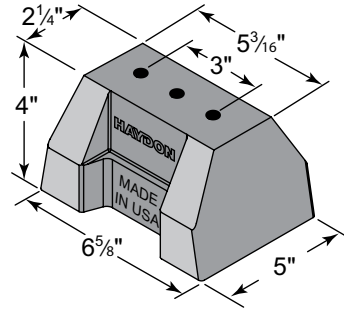
HBM-Mini Base Only

HBM-BASE RUBBER SUPPORT – BASE ONLY



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

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-BASE RUBBER SUPPORT – BASE ONLY

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs) *
HBM-Mini Base Only	4" (101mm)	5" (127mm)	6 5/8" (168mm)	2.50	400 *

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

LEGEND:

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



H-Block

H-Block Mini

Technical Data

Index

Pipe Hanger Pictorial

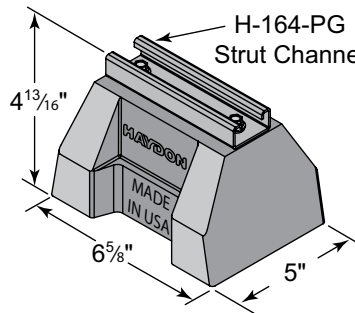
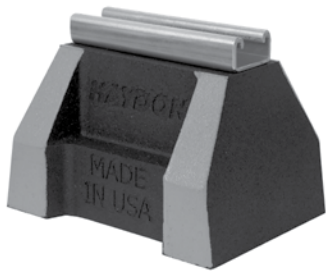
HBM Series

PG

HBM-SUPPORT WITH STEEL CHANNEL

Specifications – HBM Series
H-Block Mini Support with:
 $\frac{13}{16}$ " H-164 Channel, or $\frac{15}{8}$ " H-132 Channel
Material - 100% recycled rubber, UV resistant

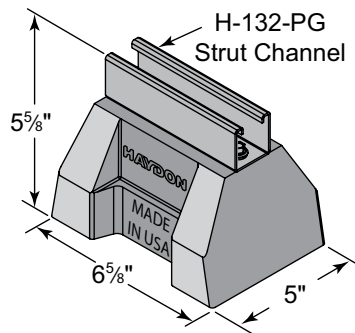
A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-SUPPORT WITH $\frac{13}{16}$ " H-164 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-5-H-164-PG	4 $\frac{13}{16}$ " (122mm)	5" (127mm)	6 $\frac{5}{8}$ " (168mm)	2.90	400 *

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



HBM-SUPPORT WITH $\frac{15}{8}$ " H-132 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-5-H-132-PG	5 $\frac{5}{8}$ " (147mm)	5" (127mm)	6 $\frac{5}{8}$ " (168mm)	3.40	400 *

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

LEGEND:

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



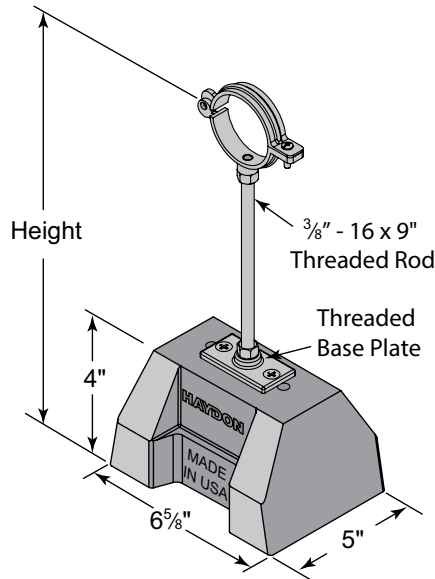
HBM-HPC Series

PG

HBM-HINGED PIPE CLAMP SERIES

Specifications – HBM-Hinged Pipe Clamp Series
 H-Block Mini Support with:
 Threaded Rod and Hinged Pipe Clamp
 Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-HINGED PIPE CLAMP SERIES

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-HPC-1/2 IN-EG	10" - 12" (254mm - 305mm)	5" (127mm)	6 ⁵ / ₈ " (168mm)	2.70	125 *
HBM-HPC-3/4 IN-EG				2.80	
HBM-HPC-1 IN-EG				2.90	
HBM-HPC-1-1/4 IN-EG				3.0	
HBM-HPC-1-1/2 IN-EG				3.10	
HBM-HPC-2 IN-EG				3.30	

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

LEGEND:

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

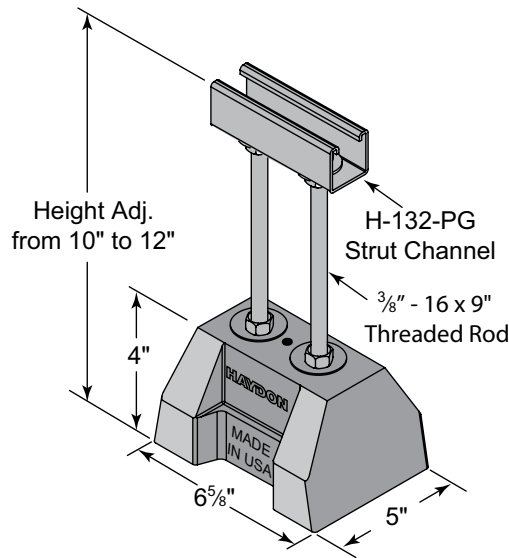


HBM-CE5 Extension Series PG

HBM-CE5-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND CHANNEL

Specifications – HBM-CE5 Extension Series
H-Block Mini Support and Threaded Rod Riser
with 1 5/8" H-132 Channel
Material - 100% recycled rubber, UV resistant

A cost-effective method for mounting and supporting single pipe applications without losing strength and integrity.



HBM-CE5-EXTENSION SERIES SUPPORT WITH THREADED ROD EXTENSION AND 1 5/8" H-132 PRE-GALV STEEL CHANNEL

Model No.	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity (Lbs)*
HBM-CE5-10-12-H-132-PG	10" - 12" (254mm - 305mm)	5" (127mm)	6 5/8" (168mm)	4.00	175 *

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

H-Block

H-Block Mini

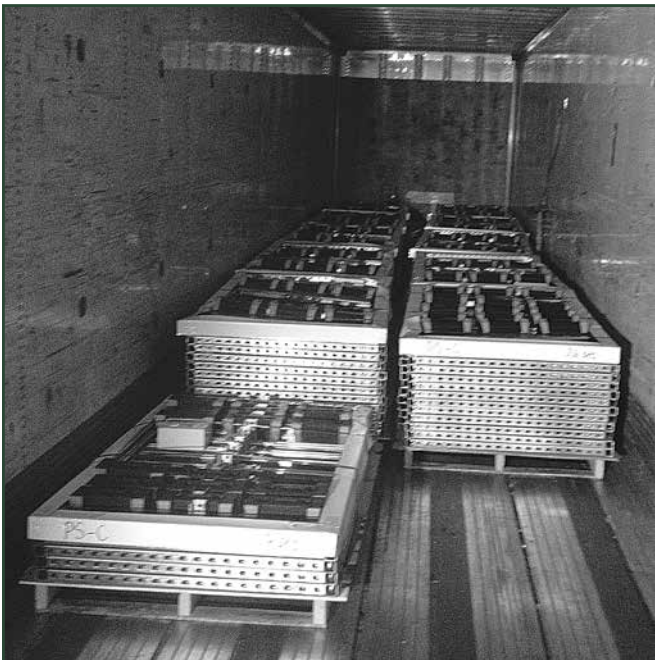
Technical Data

Index

Pipe Hanger Pictorial

H-BLOCK SHIPPING

Assembled components are strapped together on a pallet so that assemblies are not bent or twisted. The smaller components are wrapped and placed inside the component frame. Not only does this process avoid damage, it keeps the components for that assembly together to avoid loss or mix-ups.



TECHNICAL DATA



This section is to provide you with information regarding the manufacturing specifications and procedures on our Anvil-Strut channel and accessories.

This section also provides you with helpful information on beam and column loading, as well as other design information, to help design a strut system for your particular application.

We at Anvil International are committed to customer service and so we offer the services of our Engineering Department to answer any questions you may have.

CHANNEL SPECIFICATIONS

Materials

CARBON STEEL

Channels are formed from high-quality, structural grade carbon steel which has been manufactured in accordance with ASTM A-1011-04-SS Grade 33 (hot rolled), or ASTM 366 (cold rolled), with mechanical properties of 33 ksi minimum yield and 52 ksi minimum tensile strength. The precision roll-forming process by which the channels are formed "cold works" the steel, thereby increasing its mechanical properties.

STAINLESS STEEL

Channels are formed from chromium-nickel stainless steel sheet manufactured in accordance with ASTM A-240 specification, offered in both AISI Type 304 and 316 material to provide protection in varying corrosive conditions.

ALUMINUM

Extruded aluminum channel is produced from 6063-T6 alloy, and fittings are produced from 5052-H32 alloy, both in accordance with ASTM B-221 specifications. Aluminum is suitable for use in various corrosive environments.

Finishes

PRE-GALVANIZED

Hot dip, mill galvanized coating produced through a process of continuously passing the steel through a bath of molten zinc. This process is performed in accordance with ASTM A-653. The thickness of the zinc coating conforms with ASTM G-90 which represents a coating thickness of .90 ounces of zinc per square foot. This coating is applied to the steel master coils prior to slitting and fabrication.

HOT DIP GALVANIZED - POST FABRICATION

The finished channel is completely immersed in a bath of molten zinc, resulting in the complete coating of all surfaces of the product, including edges and welds. Strut channels that are hot dip galvanized, have a total coating weight of 3.0 ounces of zinc per square foot in accordance with ASTM A-123 specification. This coating provides superior results in applications calling for prolonged outdoor exposure.

SUPR-GREEN POWDER COATING

Strut channels are coated after fabrication with polyester powder finish. This coating is applied using an electrostatic spray process, beginning with cleaning and phosphating, through a bonderite pretreatment process, and ending with oven curing. The resulting finish provides a high quality appearance and durability. Powder Coating is in accordance with ASTM B-117 (standard practice for operating salt spray (fog) apparatus) to 500 hours with less than 1/8" scribe creep.

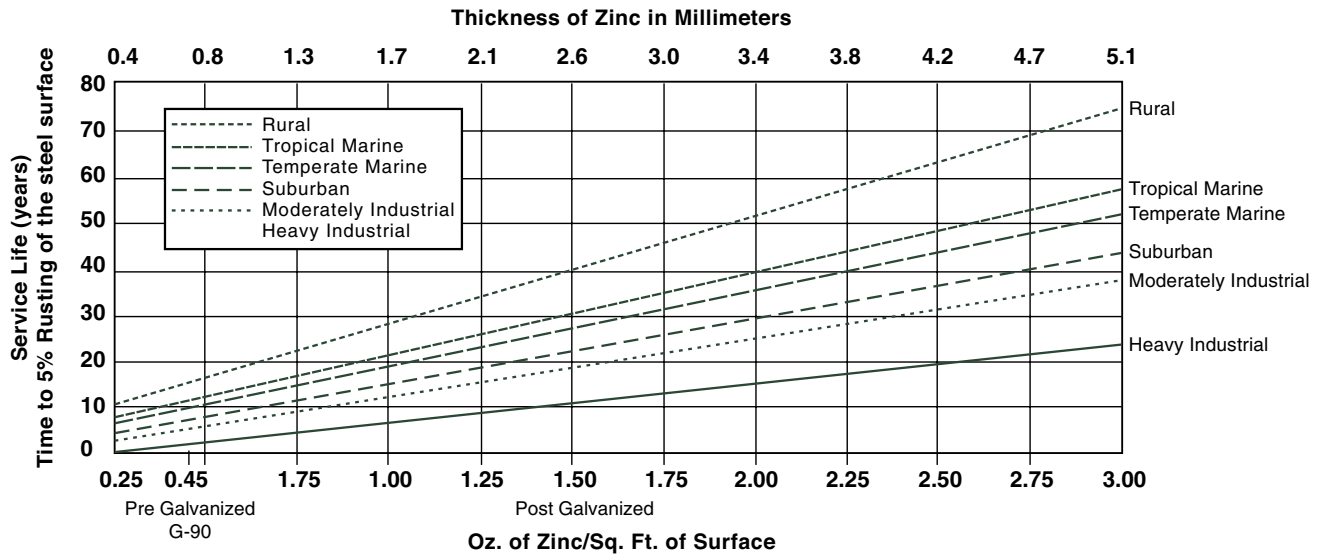
ZINC TRIVALENT CHROMIUM

The finished channel undergoes a multi-step process consisting of electrogalvanizing, in accordance with ASTM B-633-85, followed by an application of zinc trivalent chromium, which provides the distinctive gold coloration of the finish. All surfaces are coated because the process is performed after fabrication.

PVC

A corrosive resistant PVC (polyvinyl chloride) coating is applied over the completed strut channel. The coating process consists of surface pretreatment, followed by preheating of the part, which is then passed through a fluidized bed of vinyl plastic powder. The powder melts onto the heated channel forming a smooth coating which undergoes a final heat curing.

LIFE OF PROTECTION VS. THICKNESS OF ZINC AND TYPE OF ATMOSPHERE



The chart above represents the expected life of Anvil-Strut when exposed to various atmospheres, ranging from moderate to severe. This chart is helpful for the designer when selecting which galvanized coating is best suited for the given application. It has been compiled from many years of service in the various industries Anvil serves.

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

Courtesy of American Galvanizers Association.

Anvil's outstanding quality control procedures assure the end user each piece of Anvil-Strut has been manufactured to the most rigid specifications in the industry, and will provide the level of field service you have come to expect from Anvil's products.

FUNDAMENTALS OF DESIGN

BEAMS

Beams are members which are subjected to loads at right angles (perpendicular) to their length. Most commonly, beams are horizontal and are therefore subjected to vertical loads usually related to gravity, i.e.- a shelf, platform or support for pipe or conduit. Loads cause beams to bend, called deflection. The ultimate consideration when designing a beam structure is whether or not it is strong enough. In other words, will it hold the anticipated load and provide a safety factor for unanticipated loads or other variations in conditions. A beam's ability to support a load is determined by its allowable bending moment and resulting amount of deflection. This load carrying ability is dependent on a number of factors: the amount of load, the type of load, the manner in which the beam is supported and the stiffness of the beam (a function of the beam's shape and the material from which it is made).

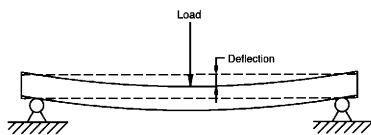
LOADING AND DEFLECTION

All beams will deflect or "sag" when a load is applied. The magnitude of the deflection is dependent on the following factors:

- The amount of load plus the weight of the beam itself.
- The manner in which the load is distributed.
- The method by which the beam is supported.
- The cross sectional shape of the beam.
- The material from which the beam is made.

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

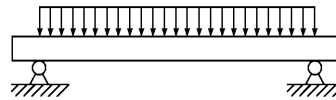
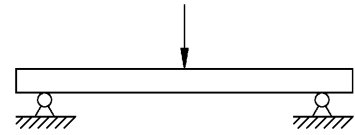
The stiffness of a beam derived from its material composition is defined by its "Modulus of Elasticity" or "E". The greater the "E" value of the beam's material, the stiffer it is, and the smaller the deflection. A material's elasticity does not necessarily relate to its strength but rather its deflection under a given load.



The beam capacities in this catalog include the weight of the beam itself. Therefore, the strut beam weight must be subtracted from the loading capacities given to provide the net beam capacity.

TYPES OF BEAM LOADING

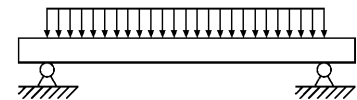
Point Load - A point load is concentrated at a single point along the beam's span (in reality, the load is concentrated over a very small length of the beam).



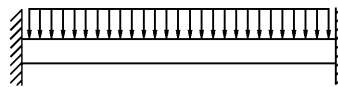
Uniform Load - A uniform load is spread evenly over the length of the beam from support to support.

TYPES OF BEAM SUPPORT CONDITIONS

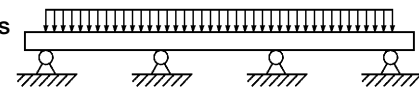
Simple Beam - A simple beam is supported at both ends by non-fixed connections which prevent vertical movement at the support point, but allow the beam to rotate or flex into a normal deflected shape. The majority of bolted metal framing connections closely approximate these conditions. The loading data presented in this catalog is based on simple beam analysis unless otherwise noted.



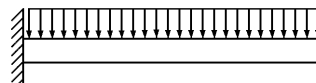
Fixed Beam - A fixed beam has rigid connections at each end that restrict the rotation of the beam and resist its deflection. The increased stiffness provided by this resistance to rotation provides a greater load capacity than that of an equivalent simple beam. A fixed-end beam would result when a channel span is welded to rigid upright supports.



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



Cantilever Beams - A cantilever beam is supported by a fixed, rigid connection at one end and is totally unsupported at the opposite end. Shelf brackets and many of the strut brackets shown in this catalog are examples of cantilever beams.



DESIGN OF STRUT SYSTEMS

SAFETY FACTOR, STRESS AND BENDING MOMENT

The most important design consideration is the determination of adequate load bearing capacity. The beam must support its own weight, plus the weight of anticipated loads, and in addition, have enough capacity to safely handle unanticipated loads and variations in other relevant conditions. This "safety factor" is usually established by various design codes and standards. One method of measuring a beams capacity is the allowable stress method whereby the beams maximum allowable stress is determined in pounds per square inch (psi).

The maximum allowable uniform loads (and corresponding deflections) presented in this catalog for strut channel beam loads are based on a simple beam configuration utilizing an allowable stress of 25,000 psi. This maximum allowable stress provides a theoretical safety factor of 1.68 which is derived from carbon steel's minimum yield strength of 33,000 psi, which is increased to 42,000 psi as a result of the steel being cold worked in the rolling process. In addition, the data given in this catalog under maximum allowable uniform loads is consistent with the current AISI "Specification For the Design of Cold-Formed Steel Structural Members. The bending moment divided by a beam's sectional modulus "S" equals stress.

As mentioned above, all beams will deflect or sag under load. It is worth noting that noticeable sagging is not an indication of an incorrectly designed beam installation. There may be situations however where it is desirable to address the visual appearance of an installation by minimizing deflection. In most applications a deflection equating to L/240 of the span's length will provide an acceptable appearance. The tables presented in this catalog show loading at L/240 deflections, as well as loading at 1/360 deflections that can be used in situations which have highly demanding visual requirements.

BOLT TORQUE

Recommended bolt torque values are given below. These torque values are suggested as a guideline to assist in arriving at the proper bolt tension. It should be kept in mind that the relationship between wrench torque and bolt tension is not always consistent. Factors effecting this relationship include metal finish and the presence or lack of a lubricant. Lubricated threads will increase the bolt tension for a given amount torque applied, and could potentially result in over torquing. The values shown here assume a properly calibrated torque wrench and clean, non-lubricated bolt, nut, washer and fitting.

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

COLUMNS

Columns are structural members that support compression loads (loads that are parallel to the length of the column). While most often vertical, any structural member that is loaded in compression, such as a diagonal brace, is considered a column.

Allowable column loading is dependent on a number of factors:

- (a) Column length - Column length is the distance between brace points.
- (b) Concentric vs eccentric loading - Concentric loading is a load applied upon the cross-sectional center of gravity, such as a load which rests on the top of a column. An eccentric load is any load which is not concentric. A fitting bolted to a strut channel slot will impart an eccentric load to the channel. The data presented in this catalog assumes concentric loading.
- (c) Support conditions - The column end support condition is mathematically represented by its "K-factor". A pinned connection is one that prevents lateral movement, but allows rotation. A fixed connection provides restraint against both lateral movement and rotation. A free top connection is one that is restrained against rotation but is free to move laterally. The data presented in this catalog assumes a pinned top/pinned bottom condition ("K" equals 1.0).
- (d) Cross-sectional shape - The column's cross-sectional shape is represented by its "Radius of Gyration" or "r" value. The axis with the smaller "r" value should be used for design evaluation.

In accordance with AISI "Specification for the Design of Cold Formed Steel Structural Members", column load data shown in this catalog is based on 33,000 psi yield strength. The data takes into account the effect of torsional and/or torsional-flexural buckling. Where possible, columns should be braced to minimize these effects.

ELECTRICAL METALLIC TUBING DATA

Nom. Size EMT Conduit	OD Conduit	Conduit Wt. lbs./ft.	Approx. Max. Wt. (lbs./ft.) Conduit and Conductor Not Lead Covered
1/2	0.706	0.29	0.54
3/4	0.922	0.45	1.16
1	1.163	0.65	1.83
1 1/4	1.510	0.96	2.96
1 1/2	1.740	1.11	3.68
2	2.197	1.41	4.45
2 1/2	2.875	2.15	6.41
3	3.500	2.60	9.30
3 1/2	4.000	3.25	12.15
4	4.500	3.90	15.40

APPLICATION ENGINEERING DATA - CONDUIT SPACINGS

Spacings in inches between centers of conduits. The light face figures are the minimum dimensions to provide clearance between locknuts. The more liberal spacings printed in bold face type should be used whenever possible.

Size	Size												
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2	2 1/2"	3	3 1/2"	4"	4 1/2"	5"	6"
3/4"	1 ⁵ / ₁₆	1 ⁷ / ₁₆	-	-	-	-	-	-	-	-	-	-	-
	1 1/2	1 5/8	-	-	-	-	-	-	-	-	-	-	-
1"	1 1/2	1 5/8	1 3/4	-	-	-	-	-	-	-	-	-	-
	1 3/4	1 7/8	2	-	-	-	-	-	-	-	-	-	-
1 1/4"	1 3/4	1 7/8	2	2 1/4	-	-	-	-	-	-	-	-	-
	2	1 7/8	2 1/4	2 1/2	-	-	-	-	-	-	-	-	-
1 1/2"	1 ⁵ / ₁₆	2 ¹ / ₁₆	2 ³ / ₁₆	2 ⁷ / ₁₆	2 ⁹ / ₁₆	-	-	-	-	-	-	-	-
	2 1/8	2 1/4	2 3/8	2 5/8	2 3/4	-	-	-	-	-	-	-	-
2"	2 ³ / ₁₆	2 ⁵ / ₁₆	2 1/2	2 ³ / ₄	2 ⁷ / ₈	3 ¹ / ₈	-	-	-	-	-	-	-
	2 3/8	2 1/2	2 3/4	3	3 1/8	3 3/8	-	-	-	-	-	-	-
2 1/2"	2 ⁷ / ₁₆	2 ⁹ / ₁₆	2 ³ / ₄	3	3 ¹ / ₈	3 ³ / ₈	3 ⁵ / ₈	-	-	-	-	-	-
	2 5/8	2 3/4	3	3 1/4	3 3/8	3 5/8	4	-	-	-	-	-	-
3"	2 ¹³ / ₁₆	2 ¹⁵ / ₁₆	3 ¹ / ₁₆	3 ⁵ / ₁₆	3 ⁷ / ₁₆	3 ³ / ₄	4	4 ⁵ / ₁₆	-	-	-	-	-
	3	3 1/8	3 3/8	3 5/8	3 3/4	4	4 3/8	4 3/4	-	-	-	-	-
3 1/2"	3 ¹ / ₈	3 ¹ / ₄	3 ³ / ₈	3 ⁵ / ₈	3 ³ / ₄	4 ¹ / ₁₆	4 ⁵ / ₁₆	4 ⁵ / ₈	4 ¹⁵ / ₁₆	-	-	-	-
	3 3/8	3 1/2	3 5/8	3 7/8	4	4 3/8	4 5/8	5	5 3/8	-	-	-	-
4"	3 ⁷ / ₁₆	3 ⁹ / ₁₆	3 ¹¹ / ₁₆	3 ¹⁵ / ₁₆	4 ¹ / ₁₆	4 ³ / ₈	4 ⁵ / ₈	4 ¹⁵ / ₁₆	5 ¹ / ₄	5 ⁹ / ₁₆	-	-	-
	3 3/4	3 7/8	4	4 1/4	4 3/8	4 3/4	5	5 3/8	5 5/8	6	-	-	-
4 1/2"	3 ³ / ₄	3 ⁷ / ₈	4	4 ¹ / ₄	4 ³ / ₈	4 ⁵ / ₈	4 ⁷ / ₈	5 ¹ / ₄	5 ⁹ / ₁₆	5 ⁷ / ₈	6 ¹ / ₈	-	-
	4	4 1/8	4 1/4	4 1/2	4 3/4	5	5 1/4	5 5/8	6	6 1/4	6 1/2	-	-
5"	4 ¹ / ₈	4 ¹ / ₄	4 ³ / ₈	4 ⁵ / ₈	4 ³ / ₄	5	5 ¹ / ₄	5 ⁹ / ₁₆	5 ⁷ / ₈	6 ³ / ₁₆	6 ¹ / ₂	6 ¹³ / ₁₆	-
	4 3/8	4 1/2	4 5/8	4 7/8	5	5 3/8	5 5/8	6	6 1/4	6 5/8	7	7 1/4	-
6"	4 ³ / ₄	4 ⁷ / ₈	5	5 ¹ / ₄	5 ³ / ₈	5 ⁵ / ₈	5 ⁷ / ₈	6 ³ / ₁₆	6 ¹ / ₂	6 ¹³ / ₁₆	7 ¹ / ₈	7 ⁷ / ₁₆	8 ¹ / ₈
	5	5 1/8	5 1/4	5 1/2	5 5/8	6	6 1/4	6 5/8	7	7 1/4	7 5/8	8	8 5/8

ANVIL-STRUT BEAM LOADING FORMULAS

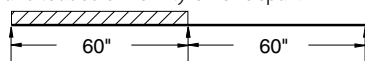
For determining beam load other than simple beam load (supported at both ends), use the appropriate factor from the chart below and multiply by data provided on the appropriate channel page.

Load and Support Condition	Load Factor	Deflection Factor
Simple Beam – Uniform Load 	1.00	1.00
Simple Beam – Concentrated Load at Center 	.50	.80
Simple Beam – Two Equal Concentrated Loads at 1/4 Points 	1.00	1.10
Beam Fixed at Both Ends – Uniform Load 	1.50	.30
Beam Fixed at Both Ends – Concentrated Loads at Center 	1.00	.40
Cantilever Beam – Uniform Load 	.25	2.40
Cantilever Beam – Concentrated Load at End 	.12	3.20
Continuous Beam – Two Equal Spans – Uniform Load on One Span 	1.30	.92
Continuous Beam – Two Equal Spans – Uniform Load on Both Spans 	1.00	.42
Continuous Beam – Two Equal Spans – Concentrated Load at Center of One Span 	.62	.71
Continuous Beam – Two Equal Spans – Concentrated Load at Center of Both Spans 	.67	.48

Examples:

Problem:

Calculate the load and corresponding deflection of the AS 200 beam continuous over one support and loaded uniformly on one span.



Solution:

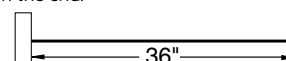
From the load table for AS 200, for a 60" span, the maximum allowable load is 650 lbs. and the corresponding deflection is .344". Multiplying by the appropriate factors shown in the chart above:

$$\text{Load} = 650 \text{ lbs.} \times 1.3 = 845 \text{ lbs.}$$

$$\text{Deflection} = .344" \times .92 = .316"$$

Problem:

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



Solution:

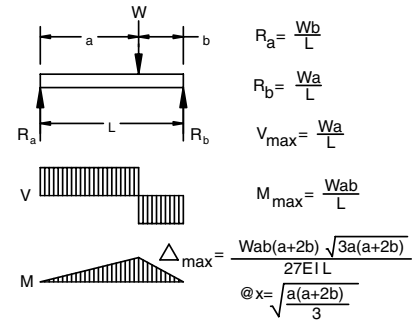
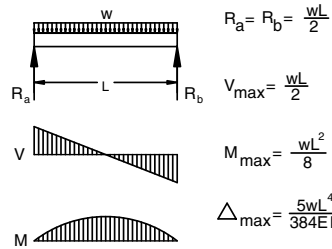
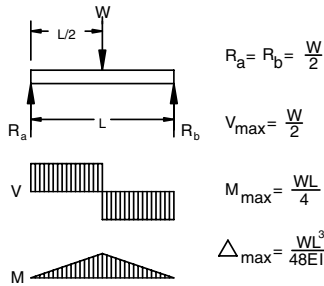
From beam load chart for AS 150, for a 36" span, the maximum allowable load is 2101 lbs. and the corresponding deflection is .085". Multiplying by the appropriate factors shown in the chart above:

$$\text{Load} = 2102 \text{ lbs.} \times .12 = 252 \text{ lbs.}$$

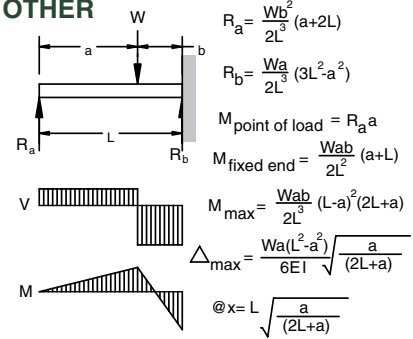
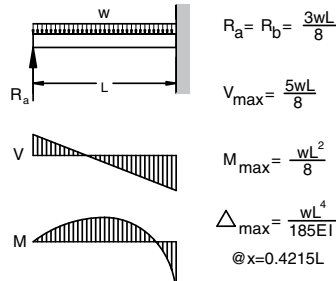
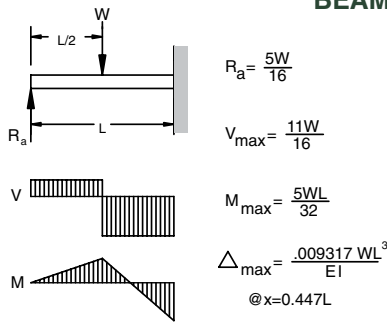
$$\text{Deflection} = .085" \times 3.20 = .272"$$

COMMON BEAM LOADING FORMULAS

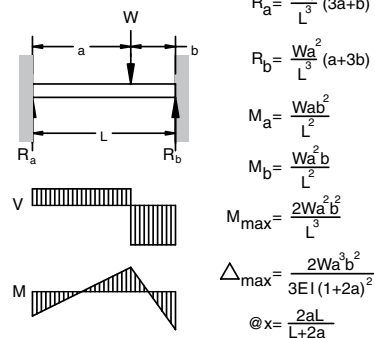
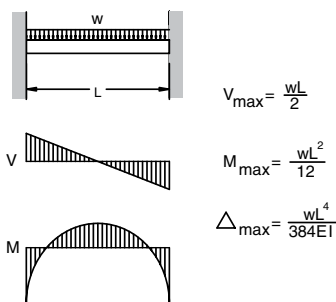
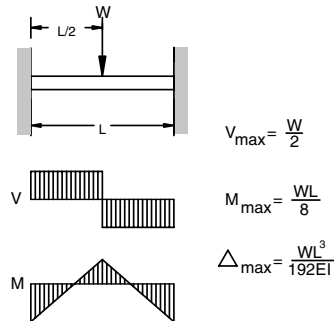
SIMPLE BEAMS



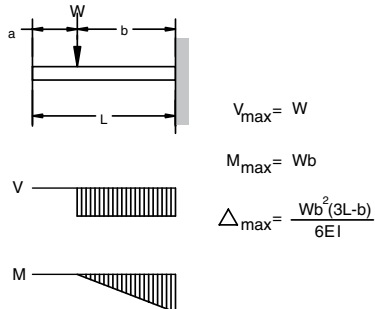
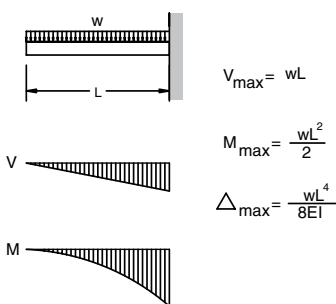
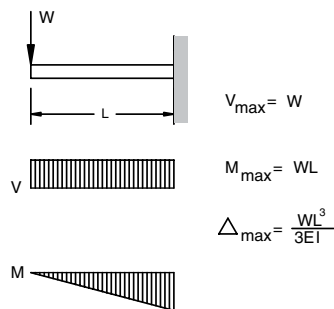
BEAM FIXED AT ONE END, SUPPORTED AT OTHER



BEAM FIXED AT BOTH ENDS



CANTILEVER BEAMS



R- Reaction
M-Moment
W-Concentrated Load

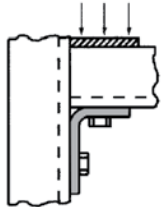
w-Uniform Load (Weight/Unit Length)
V-Shear
L-Length

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

DESIGN LOAD DATA

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

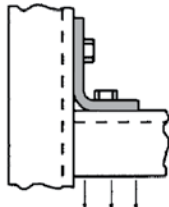
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1500	1000	750
kN	(6.67)	(4.45)	(3.34)

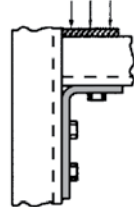
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1000	650	500
kN	(4.45)	(2.89)	(2.22)

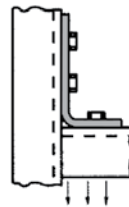
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	2000	1500	900
kN	(8.90)	(6.67)	(4.00)

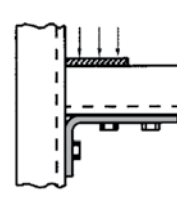
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1500	1150	650
kN	(6.67)	(5.12)	(2.89)

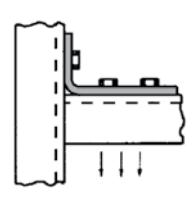
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1500	1000	1000
kN	(6.67)	(4.45)	(4.45)

90° Fitting

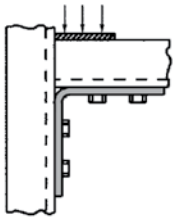


Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

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).

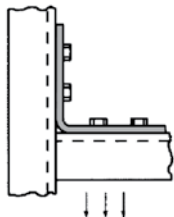
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	2500	2000	1500
kN	(11.12)	(8.90)	(6.67)

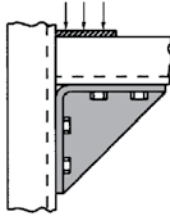
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	2000	1650	1250
kN	(8.90)	(7.34)	(5.56)

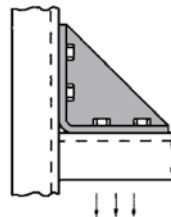
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	3000	2000	1500
kN	(13.34)	(8.90)	(6.67)

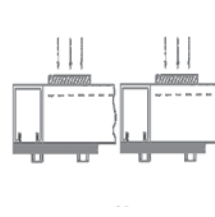
90° Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	2500	1650	1250
kN	(11.12)	(7.34)	(5.56)

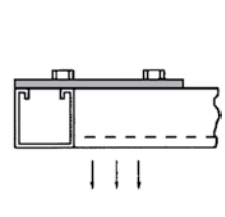
Flat Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1000	800	600
kN	(4.45)	(3.56)	(2.67)

Flat Fitting



Channel Thickness
12 ga. 14 ga. 16 ga.
(2.6) (1.9) (1.5)

Lbs.	1000	800	600
kN	(4.45)	(3.56)	(2.67)

AS 815 (6" - 16" PIPE) DOUBLE ROLLER PIPE SUPPORT

Order Nuts and Bolts Separately.

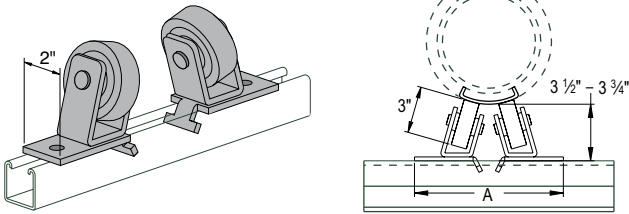


Chart for Dimension A							
Pipe Size	No Insulation	1"	1 1/2"	2"	2 1/2"	3"	4"
6"	9 1/2"	10 1/4"	10 1/2"	10 3/4"	11"	11 3/8"	11 7/8"
8"	10 1/8"		11"	11 3/8"	11 3/4"	12"	12 1/2"
10"	10 3/4"		11 5/8"	12"	12 1/4"	12 1/2"	13"
12"	11 1/4"		12 1/8"	12 1/2"	12 3/4"	13"	13 1/2"
14"	11 5/8"		12 1/2"	12 7/8"	13"	13 3/8"	14"
16"	12 1/8"		13"	13 3/8"	13 7/8"	14"	14 1/2"

AS 1901 (1 1/2" - 4" PIPE) PIPE ROLLER SUPPORT

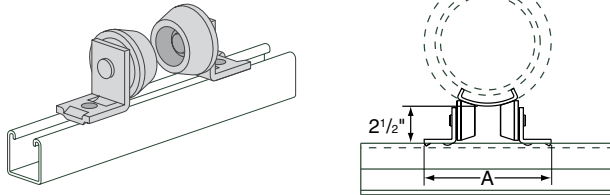


Chart for Dimension A							
Pipe Size	No Insulation	1"	1 1/2"	2"	2 1/2"	3"	4"
1/2"	6 1/2"	6 1/2"					
3/4"	6 1/2"	6 1/2"	6 5/8"	6 7/8"			
1"	6 1/2"	6 1/2"	6 5/8"	6 7/8"			
1 1/4"	6 1/2"	6 1/2"	6 7/8"	7 1/8"	7 3/8"		
1 1/2"	6 1/2"	6 1/2"	6 7/8"	7 1/8"	7 3/8"		
2"	6 1/2"	6 5/8"	7 1/8"	7 3/8"	7 1/2"	8"	
2 1/2"	6 1/2"	6 5/8"	7 1/8"	7 3/8"	7 1/2"	8"	
3"	6 1/2"	7"	7 1/2"	7 3/4"	7 7/8"	8 1/8"	
3 1/2"	6 1/2"	7"	7 1/2"	7 3/4"	7 7/8"	8 1/8"	
4"	6 5/8"	7 1/4"	7 5/8"	7 7/8"	8"	8 3/8"	9

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

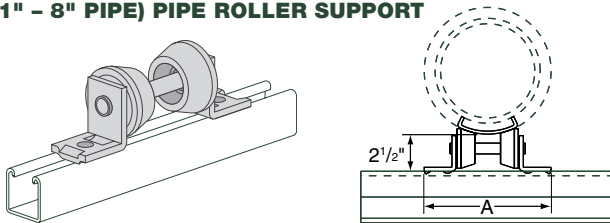


Chart for Dimension A	
AS 1902 Size	Dimension A
1" - 2"	6 3/4"
2 1/2" - 3 1/2"	7 1/2"
4" - 6"	8 1/2"
8"	9 9/16"

AS 1902 Size Selection

Pipe Size	No Insulation	1"	1 1/2"	2"	2 1/2"	3"	4"
1/2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"			
3/4"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"			
1"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"			
1 1/4"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"			
1 1/2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"		
2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"		
2 1/2"	AS 1902-1"-2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"		
3"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
3 1/2"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
4"	AS 1902-1"-2"	AS 1902-2 1/2"-3 1/2"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	
5"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"
6"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"
8"	AS 1902-2 1/2"-3 1/2"	AS 1902-4"-6"	AS 1902-8"	AS 1902-8"	AS 1902-8"	AS 1902-8"	AS 1902-8"

AS 1911 PIPE ROLLER

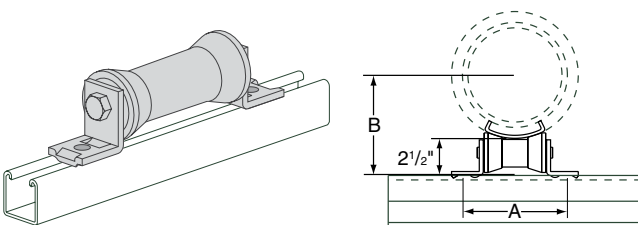







Chart for Dimension A			
Size	Fit Pipe Size	A	B
2" - 3 1/2"	2"	5"	3"
	2 1/2"	5"	3 1/4"
	3"	5"	3 5/8"
4" - 6"	3 1/2"	5"	3 3/8"
	4"	5 7/8"	4 5/16"
	5"	5 7/8"	4 7/8"
8" - 10"	6"	5 7/8"	5 7/16"
	8"	8 5/16"	7 1/8"
	10"	8 5/16"	8 1/4"
12" - 14"	12"	10 7/8"	9 7/8"
	14"	10 7/8"	10 1/2"

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

MINIMUM SIZE ANVIL-STRUT CHANNEL

(To Comply with NFPA 13 Table 2-6.1 5(a) 1996 Edition)

	Channel Size	Section Mod. (in.3)		Channel Size	Section Mod. (in.3)
	AS-200 1 ⁵ / ₈ " x 1 ⁵ / ₈ " x 12 ga.	.202		AS-150 BTB 1 ⁵ / ₈ " x 4 ⁷ / ₈ " x 12 ga.	1.153
	AS-150 1 ⁵ / ₈ " x 2 ⁷ / ₁₆ " x 12 ga.	.391		AS-100 BTB 1 ⁵ / ₈ " x 6 ¹ / ₂ " x 12 ga.	1.716
	AS-100 1 ⁵ / ₈ " x 3 ¹ / ₄ " x 12 ga.	.698			

H-Block
H-Block Mini
Technical Data
Index
Pipe Hanger Pictorial

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 CHARTS

1" Pipe Size - 1.313" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.133	0.179	0.250	0.358
Pipe - Lbs/Ft.	1.68	2.17	2.84	3.66
Water - Lbs/Ft.	0.37	0.31	0.23	0.12

1-1/4" Pipe Size - 1.660" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.140	0.191	0.25	0.382
Pipe - Lbs/Ft.	2.27	3.00	3.76	5.22
Water - Lbs/Ft.	0.65	0.56	0.46	0.27

1-1/2" Pipe Size - 1.900" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.145	0.200	0.281	0.400
Pipe - Lbs/Ft.	2.72	3.63	4.87	6.41
Water - Lbs/Ft.	0.88	0.77	0.61	0.41

2" Pipe Size - 2.375" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.154	0.218	0.343	0.436
Pipe - Lbs/Ft.	3.65	5.02	7.45	9.03
Water - Lbs/Ft.	1.46	1.28	0.97	0.77

2-1/2" Pipe Size - 2.875" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.203	0.276	0.375	0.552
Pipe - Lbs/Ft.	5.79	7.66	10.0	13.7
Water - Lbs/Ft.	2.08	1.84	1.54	1.07

3" Pipe Size - 3.500" O.D.				
Schedule No.	40	80	160	
Wall Designation	Std.	XS		XXS
Thickness - In.	0.216	0.300	0.438	0.600
Pipe - Lbs/Ft.	7.58	10.3	14.3	18.6
Water - Lbs/Ft.	3.2	2.86	2.34	1.80

3-1/2" Pipe Size - 4.000" O.D.			
Schedule No.	40	80	
Wall Designation	Std.	XS	XXS
Thickness - In.	0.266	0.318	0.636
Pipe - Lbs/Ft.	9.11	12.51	22.85
Water - Lbs/Ft.	4.28	3.85	2.53

4" Pipe Size - 4.500" O.D.				
Schedule No.	40	80	120	160
Wall Designation	Std.	XS		XXS
Thickness - In.	0.237	0.337	0.437	0.531
Pipe - Lbs/Ft.	10.8	15.0	19.0	22.5
Water - Lbs/Ft.	5.51	4.98	4.47	4.02

5" Pipe Size - 5.563" O.D.				
Schedule No.	40	80	120	160
Wall Designation	Std.	XS		XXS
Thickness - In.	0.258	0.375	0.500	0.625
Pipe - Lbs/Ft.	14.6	20.8	27.4	32.9
Water - Lbs/Ft.	8.66	7.89	7.06	7.33

6" Pipe Size - 6.625" O.D.					
Schedule No.	40	80	120	160	
Wall Designation	Std.	XS			XXS
Thickness - In.	0.280	0.432	0.562	0.718	0.864
Pipe - Lbs/Ft.	19.0	28.6	36.4	45.3	53.2
Water - Lbs/Ft.	12.5	11.3	10.3	9.16	8.14

8" Pipe Size - 8.625" O.D.									
Schedule No.	30	40	60	80	100	120	140		160
Wall Designation		Std.		XS					XXS
Thickness - In.	0.277	0.322	0.406	0.500	0.593	0.718	0.812	0.875	0.906
Pipe - Lbs/Ft.	24.70	28.55	35.64	43.4	50.9	60.6	67.8	72.4	74.7
Water - Lbs/Ft.	22.18	21.69	20.79	19.8	18.8	17.6	16.7	16.1	15.8

10" Pipe Size - 10.750" O.D.								
Schedule No.	30	40	60	80	100	120	140	160
Wall Designation		Std.	XS					
Thickness - In.	0.307	0.365	0.500	0.593	0.718	0.843	1.000	1.125
Pipe - Lbs/Ft.	34.24	40.5	54.7	64.3	76.9	89.2	104.1	115.7
Water - Lbs/Ft.	34.98	34.1	32.3	31.1	29.5	28.0	26.1	24.6

12" Pipe Size - 12.750" O.D.									
Schedule No.	30		40		80	100	120	140	160
Wall Designation		Std.		XS					
Thickness - In.	0.330	0.375	0.406	0.500	0.687	0.843	1.000	1.125	1.312
Pipe - Lbs/Ft.	43.8	49.6	53.5	65.4	88.5	107.2	125.5	139.7	160.3
Water - Lbs/Ft.	49.7	49.0	48.5	47.0	44.0	41.6	39.3	37.5	34.9

14" Pipe Size - 14.0" O.D.									
Schedule No.	20	30	40		80	100	120	140	160
Wall Designation		Std.		XS					
Thickness - In.	0.312	0.375	0.437	0.500	0.750	0.937	1.093	1.250	1.406
Pipe - Lbs/Ft.	45.7	54.6	63.4	72.1	106.1	130.7	150.7	170.2	189.1
Water - Lbs/Ft.	60.92	59.7	58.7	57.5	53.2	50.0	47.5	45.0	42.6

16" Pipe Size - 16.0" O.D.									
Schedule No.	20	30	40	80	100	120	140	160	
Wall Designation		Std.	XS						
Thickness - In.	0.312	0.375	0.500	0.843	1.031	1.218	1.437	1.593	
Pipe - Lbs/Ft.	52.4	62.6	82.8	136.5	164.8	192.3	223.6	245.1	
Water - Lbs/Ft.	80.5	79.1	76.5	69.7	66.1	62.6	58.6	55.9	

18" Pipe Size - 18.0" O.D.									
Schedule No.	20		30		40	60	80	120	160
Wall Designation		Std.		XS					
Thickness - In.	0.312	0.375	0.437	0.500	0.563	0.750	0.937	1.375	1.781
Pipe - Lbs/Ft.	59.0	70.6	82.1	93.5	104.8	138.2	170.8	244.1	308.5
Water - Lbs/Ft.	102.8	101.2	99.9	98.4	97.0	92.7	88.5	79.2	71.0

20" Pipe Size - 20.0" O.D.									
Schedule No.	20	30	40	60	80	100	120	140	160
Wall Designation	Std.	XS							
Thickness - In.	0.375	0.500	0.593	0.812	1.031	1.281	1.500	1.750	1.968
Pipe - Lbs/Ft.	78.6	104.1	122.9	166.4	208.9	256.1	296.4	341.1	379.0
Water - Lbs/Ft.	126.0	122.8	120.4	115.0	109.4	103.4	98.3	92.6	87.9

24" Pipe Size - 24.0" O.D.									
Schedule No.	20		40	60	80	100	120	140	160
Wall Designation	Std.	XS							
Thickness - In.	0.375	0.500	0.687	0.968	1.218	1.531	1.812	2.062	2.343
Pipe - Lbs/Ft.	94.6	125.5	171.2	238.1	296.4	367.4	429	484	541
Water - Lbs/Ft.	183.8	180.1	174.3	165.8	158.3	149.3	141	134	127

THREADED ROD LOAD RATINGS

Threaded Rod Load Rating			
Nominal Rod Diameter, In.	Root Area Thread, In.	Maximum Safe Load, Lbs Rod Temperatures	
		650°F	750°F
3/8"	0.068	610	540
1/2"	0.128	1,130	1,010
5/8"	0.202	1,810	1,610
3/4"	0.302	2,710	2,420
7/8"	0.419	3,770	3,360
1"	0.552	4,960	4,420
1-1/8"	0.693	6,230	5,560
1-1/4"	0.889	8,000	7,140
1-1/2"	1.293	11,630	10,370
1-3/4"	1.744	15,700	14,000
2"	2.300	20,700	18,460

Rod Size as Determined by Pipe Size	
Pipe Size	Rod Size
3/4" to 2" Inclusive	3/8"
2-1/2" to 3-1/2"	1/2"
4" and 5"	5/8"
6"	3/4"
8" to 12" Inclusive	7/8"

WATER FILLED PIPE WEIGHTS

WATER FILLED PIPE WEIGHTS FOR PIPE HANGERS LOCATED ON 6 FT CENTERS AT 1/4 SPAN FROM EACH END									
SIZE	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
SCH 40 PIPE WEIGHT PER FT (LBS)	3.65	5.79	7.57	10.78	14.60	18.95	28.52	40.44	53.47
WATER WEIGHT PER FT (LBS)	1.45	2.07	3.20	5.51	8.67	12.52	21.67	34.16	48.49
TOTAL WEIGHT PER FT (LBS)	5.10	7.86	10.77	16.29	23.27	31.47	50.20	74.60	101.96
PIPE HANGER CENTERS (FT)	6	6	6	6	6	6	6	6	6
TOTAL WEIGHT PER 6 FT CENTER - ONE PIPE (LBS)	31	47	65	98	140	189	301	448	612
TOTAL WEIGHT PER 6 FT CENTER - TWO PIPES (LBS)	61	94	129	196	279	378	602	895	1,223
RECOMMENDED 3 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112
RECOMMENDED 4 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 5 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-122A
RECOMMENDED 6 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-112A

WATER FILLED PIPE WEIGHTS FOR PIPE HANGERS LOCATED ON 8 FT CENTERS AT 1/4 SPAN FROM EACH END									
SIZE	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
SCH 40 PIPE WEIGHT PER FT (LBS)	3.65	5.79	7.57	10.78	14.60	18.95	28.52	40.44	53.47
WATER WEIGHT PER FT (LBS)	1.45	2.07	3.20	5.51	8.67	12.52	21.67	34.16	48.49
TOTAL WEIGHT PER FT (LBS)	5.10	7.86	10.77	16.29	23.27	31.47	50.20	74.60	101.96
PIPE HANGER CENTERS (FT)	8	8	8	8	8	8	8	8	8
TOTAL WEIGHT PER 8 FT CENTER - ONE PIPE (LBS)	41	63	86	130	186	252	402	597	816
TOTAL WEIGHT PER 8 FT CENTER - TWO PIPES (LBS)	82	126	172	261	372	504	803	1,194	1,631
RECOMMENDED 3 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 4 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-132	H-132	H-122	H-112	H-112	H-122A
RECOMMENDED 5 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-122A	H-112A
RECOMMENDED 6 FT SPAN PIPE HANGER TOP BEAM	H-132	H-132	H-132	H-122	H-122	H-112	H-122A	H-112A	H-112A

MAXIMUM SPACING BETWEEN SUPPORTS

Nominal Tube Size, In.	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
Maximum Span, Ft.	5	6	6	8	9	10	10	11	12

Nominal Pipe Size, In.		1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Maximum Span, Ft.	Water	5	6	7	9	10	11	12	13	14	16	17	19	22	23	25	27	28	30	32
	Air & Steam	-	-	9	11	13	14	15	16	17	19	21	24	28	30	32	35	37	39	42

Product	Description	Pages
CHANNELS		
AS 100	3 1/4" x 1 5/8" 12 Gauge Channel.....	14 - 15
AS 100BTB	6 1/2" x 1 5/8" 12 Gauge Back-to-Back Channel.....	16 - 17
AS 100EH	3 1/4" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	15
AS 100H	3 1/4" x 1 5/8" 12 Gauge Channel With Holes.....	15
AS 100KO	3 1/4" x 1 5/8" 12 Gauge Channel With Knock Out.....	15
AS 100S	3 1/4" x 1 5/8" 12 Gauge Channel With Long Slots.....	15
AS 150	2 7/16" x 1 5/8" 12 Gauge Channel.....	18 - 19
AS 150BTB	4 7/8" x 1 5/8" 12 Gauge Back-to-Back Channel.....	20 - 21
AS 150EH	2 7/16" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	19
AS 150H	2 7/16" x 1 5/8" 12 Gauge Channel With Holes.....	19
AS 150KO	2 7/16" x 1 5/8" 12 Gauge Channel With Knock Out.....	19
AS 150S	2 7/16" x 1 5/8" 12 Gauge Channel With Long Slots.....	19
AS 200	1 5/8" x 1 5/8" 12 Gauge Channel.....	22 - 23
AS 200BTB	3 1/4" x 1 5/8" 12 Gauge Back-to-Back Channel.....	24 - 25
AS 200BTS	3 1/4" x 1 5/8" 12 Gauge Back-to-Side Channel.....	25
AS 200EH	1 5/8" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	23
AS 200H	1 5/8" x 1 5/8" 12 Gauge Channel With Holes.....	23
AS 200H3	1 5/8" x 1 5/8" 12 Gauge Channel With Holes On 3 Sides.....	23
AS 200KO	1 5/8" x 1 5/8" 12 Gauge Channel With Knock Out.....	23
AS 200S	1 5/8" x 1 5/8" 12 Gauge Channel With Long Slots.....	23
AS 200STS	3 1/4" x 1 5/8" 12 Gauge Side-to-Side Channel.....	25
AS 200STSR	3 1/4" x 1 5/8" 12 Gauge Side-to-Reverse Side Channel.....	25
AS 210	1 5/8" x 1 5/8" 14 Gauge Channel.....	26 - 27
AS 210BTB	3 1/4" x 1 5/8" 14 Gauge Back-to-Back Channel.....	28 - 29
AS 210EH	1 5/8" x 1 5/8" 14 Gauge Channel With Elongated Holes.....	27
AS 210H	1 5/8" x 1 5/8" 14 Gauge Channel With Holes.....	27
AS 210KO	1 5/8" x 1 5/8" 14 Gauge Channel With Knock Out.....	27
AS 210S	1 5/8" x 1 5/8" 14 Gauge Channel With Long Slots.....	27
AS 300	1 3/8" x 1 5/8" 12 Gauge Channel.....	30 - 31
AS 300BTB	2 3/4" x 1 5/8" 12 Gauge Back-to-Back Channel.....	32 - 33
AS 300EH	1 3/8" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	31
AS 300H	1 3/8" x 1 5/8" 12 Gauge Channel With Holes.....	31
AS 300KO	1 3/8" x 1 5/8" 12 Gauge Channel With Knock Out.....	31
AS 300S	1 3/8" x 1 5/8" 12 Gauge Channel With Long Slots.....	31
AS 400	1" x 1 5/8" 12 Gauge Channel.....	34 - 35
AS 400BTB	2" x 1 5/8" 12 Gauge Back-to-Back Channel.....	36 - 37
AS 400EH	1" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	35
AS 400H	1" x 1 5/8" 12 Gauge Channel With Holes.....	35
AS 400KO	1" x 1 5/8" 12 Gauge Channel With Knock Out.....	35
AS 400S	1" x 1 5/8" 12 Gauge Channel With Long Slots.....	35
AS 500	1 3/16" x 1 5/8" 14 Gauge Channel.....	38 - 39
AS 500BTB	1 5/8" x 1 5/8" 14 Gauge Back-to-Back Channel.....	40 - 41
AS 500EH	1 3/16" x 1 5/8" 14 Gauge Channel With Elongated Holes.....	39
AS 500H	1 3/16" x 1 5/8" 14 Gauge Channel With Holes.....	39
AS 500S	1 3/16" x 1 5/8" 14 Gauge Channel With Long Slots.....	39
AS 520	1 3/16" x 1 5/8" 12 Gauge Channel.....	42 - 43
AS 520BTB	1 5/8" x 1 5/8" 12 Gauge Back-to-Back Channel.....	44 - 45
AS 520EH	1 3/16" x 1 5/8" 12 Gauge Channel With Elongated Holes.....	43
AS 520H	1 3/16" x 1 5/8" 12 Gauge Channel With Holes.....	43
AS 520S	1 3/16" x 1 5/8" 12 Gauge Channel With Long Slots.....	43
AS 560	1 3/16" x 1 5/8" 16 Gauge Channel.....	46 - 47
AS 560EH	1 3/16" x 1 5/8" 16 Gauge Channel With Elongated Holes.....	47
AS 707	Metal Raceway Closure Strip.....	49
AS 707P	Metal Painted Closure Strip.....	49
	Anvil-Strut Channel Fabrication Data.....	48
	Welded Combinations.....	49
	Lateral Bracing Load Reduction Charts.....	50

Product	Description	Pages
CHANNEL NUTS & HARDWARE		
AS 83	Hexagon Nut.....	53
Fig. 135	ROD Coupling.....	54
Fig. 146	Continuous Threaded Rod.....	54
AS 203	Linked Eyelet With Stud.....	54
AS 209	Flat Washer.....	53
AS 211	Lock Washer.....	53
AS 230	Fender Washer.....	53
AS 517	Stud Nut With RS Spring.....	52
AS 3281	Double Conveyor Adjusting Nut.....	53
AS 3500	Seismic Rod Stiffener.....	53
AS 6024	Hex Head Cap Screw.....	54
AS 6075	Slotted Hex Head Machine Screw.....	54
AS 6108	Square Nut.....	53
AS LS	Clamping Nut With Long Spring.....	52
AS NS	Clamping Nut Without Spring.....	52
AS RS	Clamping Nut With Regular Spring.....	52
AS SS	Clamping Nut With Short Spring.....	52
AS TG	Top Grip Nut With Spring On Top.....	52
PIPE & CONDUIT SUPPORT		
AS 51	Right Angle Pipe or Conduit Clamp.....	58
Fig. 67	Pipe Or Conduit Hanger.....	62
Fig. 69	Swivel Ring Hanger.....	62
Fig. 137	"U" Bolt With Nut Long Tangent.....	62
AS 270	Conduit Clamp.....	58
AS 815	(6" To 16" Pipe) Double Roller Pipe Support.....	63, 132
AS 1000AS	EMT Conduit Clamp.....	56
AS 1100AS	Rigid Conduit Clamp.....	56
AS 1200AS	O.D. Tubing Clamp.....	57
AS 1300AS	Universal Clamp.....	56
AS 1450	One-Hole Clamp for O.D. Tubing.....	58
AS 1901	(1/2" - 4" Pipe) Pipe Roller Support.....	63, 132
AS 1902	(1" - 8" Pipe) Pipe Roller Support.....	63, 132
AS 1911	(2" - 14" Pipe) Pipe Roller.....	63, 132
AS 2631 & 2631D	Swing Gate Fixture Hanger.....	62
AS 3101 - 3114	One Piece Cable And Conduit Clamp.....	59
AS 3126	Hold Down Clamp.....	59
AS 3138	Parallel Pipe Clamp.....	58
AS 3792	Cushion Strip.....	61
AS 0040D - 106P	Cushion Clamp Assembly.....	60
KLO-SHURE®	Strut Mounted Insulation Couplings With Strut Clamp.....	64
KLO-SHURE®	Strut Mounted One-Piece Insulation Coupling.....	65
KLO-SHURE®	Strut Mounted Insulation Couplings With Strut Clamp.....	66
FITTINGS & ACCESSORIES		
AS 601	2-Hole Splice Plate.....	68
AS 602	3-Hole Splice Plate.....	68
AS 603	2-Hole End Angle.....	71
AS 604	2-Hole Corner Angle.....	71
AS 605	3-Hole Corner Angle.....	75
AS 606	3-Hole Corner Angle.....	71
AS 607	4-Hole Corner Angle.....	75
AS 609	2-Hole Offset "Z" Support.....	76
AS 611	"Z" Support.....	76
AS 612	"Z" Support.....	76
AS 613	"U" Support.....	79
AS 614	4-Hole Joint Corner Connector.....	72
AS 615	5-Hole Shelf Joint Angle.....	72

Product	Description	Pages
FITTINGS & ACCESSORIES (cont.)		
AS 616	4-Hole Splice Clevis.....	81
AS 617	3-Hole Swivel Plate.....	69
AS 619	Square Washer.....	68
AS 620	2-Hole Connecting Plate.....	68
AS 624	2-Hole Closed Angle Connector.....	73
AS 629	3-Hole Splice Clevis.....	81
AS 631	2-Hole Splice Clevis.....	81
AS 633	2-Hole Open Angle Connector.....	73
AS 644	2-Hole Splice Clevis.....	81
AS 645	3-Hole Splice Clevis.....	81
AS 646	4-Hole Splice Clevis.....	81
AS 665	4-Hole Double Corner Connector.....	77
AS 666	6-Hole Double Corner Connector.....	78
AS 667	8-Hole Double Corner Connector.....	77
AS 668	6-Hole Three Angle Connector.....	78
AS 669	12-Hole Three Angle Clevis Connector.....	78
AS 677	Cup Support for Standard single Strut.....	80
AS 678	"U" Support.....	79
AS 679	"U" Support.....	79
AS 687	Slotted "U" Support.....	80
AS 689	Adjustable Double Slotted Corner Connector.....	72
AS 710	"U" Support.....	79
AS 711	"Z" Support.....	76
AS 712	Cross Plate.....	69
AS 714	Tee Plate.....	69
AS 715	"T" Plate - 90° Angle.....	75
AS 718	Flat Angle Plate.....	69
AS 719	4-Hole Corner Joiner Plate.....	69
AS 720	RH & LH Angle Plate Connector.....	75
AS 721	"U" Support.....	79
AS 733	6-Hole "U" Support.....	80
AS 735	8-Hole "U" Support.....	80
AS 744	Flat Corner Connector.....	69
AS 745	3-Hole Corner Angle.....	71
AS 747	Symmetrical 4-Hole Connector.....	70
AS 748	4-Hole Joint Corner Connector.....	72
AS 750	4-Hole Corner Connector.....	70
AS 756	"Z" Support.....	76
AS 763	Slotted Adjustment Corner Angle.....	74
AS 764	Slotted Adjustment Corner Angle.....	74
AS 781	4-Hole Open Angle Connector.....	73
AS 793	4-Hole Closed Angle Connector.....	74
AS 806	2-Hole Angle with Impressions on both Legs.....	71
AS 821	8-Hole Double Angle Connector.....	78
AS 825	RH & LH Pipe Axle Support.....	86
AS 854	5-Hole Flat Connector.....	70
AS 888	4-Hole Splice Plate.....	68
AS 913	10-Hole Two Angle Clevis Connector.....	78
AS 921	1-Hole Angle.....	71
AS 922	RH & LH 2-Hole Single Corner Angle Connector.....	77
AS 923	5-Hole Two Angle Connector.....	78
AS 925	Symmetrical 3-Hole Joint Connector.....	70
AS 926	Strut Brace.....	85
AS 927	5-Hole Corner Connector.....	72
AS 928	"Z" Support.....	76
AS 929	"U" Support.....	79
AS 978	"U" Support.....	79

Product	Description	Pages
FITTINGS & ACCESSORIES (cont.)		
AS 993	Inside Clevis.....	85
AS 2064	Double Column Post Base.....	83
AS 2112	7-Hole Cross Connector.....	70
AS 2119	"U" Support.....	79
AS 2128	RH & LH 6-Hole Corner Connector.....	77
AS 2144	Corner Angle.....	74
AS 2190	Flat Corner Connector.....	70
AS 2401 - 2403	Ladder Rung.....	86
AS 2404 - 2408	Wall Ladder Bracket.....	86
AS 2421	45° Stair Support.....	86
AS 2422	37 1/2° Stair Support.....	86
AS 2504	Square Washer with Channel Guide.....	68
AS 2520	2-Hole Adjustment Angle.....	73
AS 2521	Two Wheel Trolley.....	89
AS 2522	Four Wheel Trolley.....	89
AS 2528	Trolley Beam Standard Support.....	89
AS 2528-1	Trolley Beam Joint Support.....	89
AS 2545	Slotted 90° Angle.....	74
AS 2560	Conduit Connector Fitting Assembly.....	85
AS 2561	Conduit Connector Fitting Assembly.....	85
AS 2601	"Z" Support.....	76
AS 2648	"U" Support.....	79
AS 3013	Single Post Base.....	82
AS 3013FL	Single Post Base.....	84
AS 3013SQ	Single Post Base.....	82
AS 3025	Single Post Base.....	84
AS 3025FL	Single Post Base.....	84
AS 3029	Double Post Base.....	83
AS 3033	Single Post Base.....	82
AS 3033SQ	Single Post Base.....	82
AS 3040	Post Base.....	82
AS 3049	2-Hole Slotted 90° Corner Connector.....	74
AS 3060	Offset Connector.....	76
AS 3064	Double Post Base.....	83
AS 3064SQ	Double Post Base.....	83
AS 3373	Universal Angle Bracket.....	75
AS 9400	Adjustable Bases.....	88
AS 9401	Adjustable Bases.....	88
AS 9402	2-Hole Hinge Connector.....	87
AS 9403	3-Hole Hinge Connector.....	87
AS 9404	4-Hole Hinge Connector.....	87

BEAM CLAMPS

AS 85	Rod or Insulator Support.....	95
Fig. 86	Clamp With Lock Nut.....	93
Fig. 93	Top Beam "C" Clamp.....	93
Fig. 94	Top Beam "C" Clamp.....	93
Fig. 95	Clamp With Lock Nut.....	93
AS 684	Beam Clamp.....	94
AS 685	Beam Clamp.....	92
AS 686	Beam Clamp.....	92
AS 855	Angular "I" Beam Clamp.....	92
AS 858	Heavy Duty Suspension Rod Beam Clamp.....	95
AS 865	Wide Throat Heavy Duty Beam clamp.....	95
AS 871	Safety Anchor Strap.....	93
AS 907	"I" Beam Clamp.....	94
AS 908	"I" Beam Clamp.....	94
AS 2623	Swivel Adapter.....	93

Product Description Pages

BEAM CLAMPS (cont.)

AS 2651 Beam Clamp.....92
AS 2654 & 2654A Column Attachment.....92
AS 2656 "U" Bolt Beam Clamp with Hook.....94
AS 2657 Double "U" Bolt Beam Clamp.....94

BRACKETS

AS 651 Reversible Strut Bracket.....98
AS 661 T1 Strut Bracket (Slot Up).....98
AS 661 T2 Strut Bracket (Slot Down).....98
AS 708 Single Channel Bracket Support.....99
AS 732 Shelf Bracket.....99
AS 809 Double Channel Bracket.....98
AS 838 RH & LH Shelf Bracket.....100
AS 3164 Double Channel Bracket Support.....99

CONCRETE INSERTS

Fig. 152 Screw Concrete Insert.....105
Fig. 285 Light Weight Concrete Insert.....105
AS 249 Continuous Concrete Insert.....102
AS 349 Continuous Concrete Insert.....103
AS 449 Continuous Concrete Insert.....104
AS 6151 Plastic Closure Strip.....105

END CAPS

AS 652 Type "B" End Cap.....106
AS 653 Type "B" End Cap.....106
AS 654 Type "B" End Cap.....106
AS 655 Type "A" End Cap.....106
AS 656 Type "A" End Cap.....106
AS 901 Type "A" End Cap.....106
AS 902 Type "A" End Cap.....106
AS 930 Type "A" End Cap.....106
AS 2511 End Cap with Knock Out (Conduit End Cap).....106
AS 2580 Type "A" End Cap.....106
AS 6153 Plastic Red & White Safety End Cap.....106

H-BLOCK ROOFTOP SUPPORT SYSTEMS

HBS HBS-Base Rubber Support – Base Only.....109
HBS Series HBS-Support With Steel Channel.....110
HBS-6 Series HBS-Support With 27/16" H-122 Steel Channel.....111
HBS-CB HBS-CB–Bridge Series - Bridge Length Supports
 With 2 HBS Bases and Channel.....112
HBS-CE HBS-CE-Extension Series Support
 With Threaded Rod Extension and Channel.....113
HBS-CE5 Series Raised Bridge Length With 2 HBS Bases
 Pre-Galv Steel Channel.....115
HBS-DSAW HBS-DS-Duct Support Series
 With Adjustable Width and Height.....117
HBS-DSFW HBS-DS Duct Support Series
 With Fixed Width And Adjustable Height.....116
HBS-PH 36" HBS-PH 36" Light Duty Pipe Hanger Support Series
 with H-132 PG Top Support.....118
HBS-PH 36" HBS-PH 36" Medium Duty Pipe Hanger Support Series
 with Top Support.....119
HBS-PH 36" HBS-PH 36" Heavy Duty Pipe Hanger Support Series
 with Top Support.....120

Product Description Pages

H-BLOCK ROOFTOP SUPPORT SYSTEMS (cont.)

HBS-PH 48" HBS-PH 48" Light Duty Pipe Hanger Support Series
 with H-132 PG Top Support.....121
HBS-PH 48" HBS-PH 48" Medium Duty Pipe Hanger Support Series
 with Top Support.....122
HBS-PH 48" HBS-PH 48" Heavy Duty Pipe Hanger Support Series
 with Top Support.....123
HBS-Roller Series HBS Base With 1 5/8" H-132 Pre-Galv.
 Steel Channel and Rollers.....114
 H-BLOCK Special Features.....108
 H-BLOCK Shipping.....128

H-BLOCK MINI ROOFTOP SUPPORT SYSTEMS

HBM HBM-Base Rubber Support – Base Only.....124
HBM Series HBM-Support With 13/16" H-164 Steel Channel.....125
HBM Series HBM-Support With 1 5/8" H-132 Steel Channel.....125
HBM-CE5 Series HBM-CE5-Extension Series Support
 With Threaded Rod Extension and 1 5/8" H-132 Channel....127
HBM-HPC Series HBM-Hinged Pipe Clamp Series.....126

SPECIALTY STRUT

(Stainless Steel (SS) • Zinc Trivalent Chromium (ZTC) • Hot Dipped Galvanized (HG))

CHANNELS

AS 200 HG 1 5/8" x 1 5/8" 12 Gauge Channel.....22 - 23
AS 200 SS 1 5/8" x 1 5/8" 12 Gauge Channel.....22 - 23
AS 200 ZTC 1 5/8" x 1 5/8" 12 Gauge Channel.....22 - 23
AS 200EH HG 1 5/8" x 1 5/8" 12 Gauge Channel With Elongated Holes.....23
AS 200EH SS 1 5/8" x 1 5/8" 12 Gauge Channel With Elongated Holes.....23
AS 200EH ZTC 1 5/8" x 1 5/8" 12 Gauge Channel With Elongated Holes.....23
AS 200BTB HG 3 1/4" x 1 5/8" 12 Gauge Back-to-Back Channel.....24 - 25
AS 200BTB SS 3 1/4" x 1 5/8" 12 Gauge Back-to-Back Channel.....24 - 25
AS 200BTB ZTC 3 1/4" x 1 5/8" 12 Gauge Back-to-Back Channel.....24 - 25
AS 210 HG 1 5/8" x 1 5/8" 14 Gauge Channel.....26 - 27
AS 210 SS 1 5/8" x 1 5/8" 14 Gauge Channel.....26 - 27
AS 210 ZTC 1 5/8" x 1 5/8" 14 Gauge Channel.....26 - 27
AS 210EH HG 1 5/8" x 1 5/8" 14 Gauge Channel With Elongated Holes.....27
AS 210EH SS 1 5/8" x 1 5/8" 14 Gauge Channel With Elongated Holes.....27
AS 210EH ZTC 1 5/8" x 1 5/8" 14 Gauge Channel With Elongated Holes.....27
AS 210BTB HG 3 1/4" x 1 5/8" 14 Gauge Back-to-Back Channel.....28 - 29
AS 210BTB SS 3 1/4" x 1 5/8" 14 Gauge Back-to-Back Channel.....28 - 29
AS 210BTB ZTC 3 1/4" x 1 5/8" 14 Gauge Back-to-Back Channel.....28 - 29
AS 500 HG 13/16" x 1 5/8" 14 Gauge Channel.....38 - 39
AS 500 SS 13/16" x 1 5/8" 14 Gauge Channel.....38 - 39
AS 500 ZTC 13/16" x 1 5/8" 14 Gauge Channel.....38 - 39
AS 500EH HG 13/16" x 1 5/8" 14 Gauge Channel With Elongated Holes.....39
AS 500EH SS 13/16" x 1 5/8" 14 Gauge Channel With Elongated Holes.....39
AS 500EH ZTC 13/16" x 1 5/8" 14 Gauge Channel With Elongated Holes.....39
AS 500BTB HG 1 5/8" x 1 5/8" 14 Gauge Back-to-Back Channel.....40 - 41
AS 500BTB SS 1 5/8" x 1 5/8" 14 Gauge Back-to-Back Channel.....40 - 41
AS 500BTB ZTC 1 5/8" x 1 5/8" 14 Gauge Back-to-Back Channel.....40 - 41

CHANNEL NUTS & HARDWARE

AS NS SS Clamping Nut Without Spring.....52
AS NS ZTC Clamping Nut Without Spring.....52
AS RS SS Clamping Nut With Regular Spring.....52
AS RS ZTC Clamping Nut With Regular Spring.....52
AS SS ZTC Clamping Nut With Short Spring.....52

Product Description.....Pages

SPECIALTY STRUT (cont.)

(Stainless Steel (SS) • Zinc Trivalent Chromium (ZTC) • Hot Dipped Galvanized (HG))

CHANNEL NUTS & HARDWARE (cont.)

AS TG ZTC	Top Grip Nut With Spring On Top.....	52
AS 3500 ZTC	Seismic Rod Stiffener.....	53

PIPE & CONDUIT SUPPORT

AS 0040D SS	Cushion Clamp Assembly.....	60
AS 0040D ZTC	Cushion Clamp Assembly.....	60
AS 1100AS SS	Rigid Conduit Clamp.....	56
AS 1100AS ZTC	Rigid Conduit Clamp.....	56
AS 1200AS SS	O.D. Tubing Clamp.....	57
AS 1200AS ZTC	O.D. Tubing Clamp.....	57

FITTINGS & ACCESSORIES

AS 601 ZTC	2-Hole Splice Plate.....	68
AS 602 ZTC	3-Hole Splice Plate.....	68
AS 603 ZTC	2-Hole End Angle.....	71
AS 604 ZTC	2-Hole Corner Angle.....	71
AS 605 ZTC	3-Hole Corner Angle.....	75
AS 606 ZTC	3-Hole Corner Angle.....	71
AS 607 ZTC	4-Hole Corner Angle.....	75
AS 611 ZTC	"Z" Support.....	76
AS 613 ZTC	"U" Support.....	79
AS 616 ZTC	4-Hole Splice Clevis.....	81
AS 619 SS	Square Washer.....	68
AS 619 ZTC	Square Washer.....	68
AS 624 ZTC	2-Hole Closed Angle Connector.....	73
AS 633 ZTC	2-Hole Open Angle Connector.....	73
AS 646 ZTC	4-Hole Splice Clevis.....	81
AS 665 ZTC	4-Hole Double Corner Connector.....	77
AS 666 ZTC	6-Hole Double Corner Connector.....	78
AS 667 ZTC	8-Hole Double Corner Connector.....	77
AS 668 ZTC	6-Hole Three Angle Connector.....	78
AS 669 ZTC	12-Hole Three Angle Clevis Connector.....	78
AS 679 ZTC	"U" Support.....	79
AS 712 ZTC	Cross Plate.....	69
AS 714 ZTC	Tee Plate.....	69
AS 718 ZTC	Flat Angle Plate.....	69
AS 720 ZTC	RH & LH Angle Plate Connector.....	75
AS 745 ZTC	3-Hole Corner Angle.....	71
AS 756 ZTC	"Z" Support.....	76
AS 821 ZTC	8-Hole Double Angle Connector.....	78
AS 888 ZTC	4-Hole Splice Plate.....	68
AS 913 ZTC	10-Hole Two Angle Clevis Connector.....	78
AS 922 ZTC	RH & LH 2-Hole Single Corner Angle Connector.....	77
AS 923 ZTC	5-Hole Two Angle Connector.....	78
AS 928 ZTC	"Z" Support.....	76
AS 929 ZTC	"U" Support.....	79
AS 2401 - 2403 HG	Ladder Rung.....	86
AS 2404 - 2408 HG	Wall Ladder Bracket.....	86
AS 2421 HG	45° Stair Support.....	86
AS 2422 HG	37 1/2° Stair Support.....	86
AS 2504 ZTC	Square Washer with Channel Guide.....	68
AS 3033 ZTC	Single Post Base.....	82
AS 3033SQ ZTC	Single Post Base.....	82
AS 3064 ZTC	Double Post Base.....	83
AS 3373 ZTC	Universal Angle Bracket.....	75

Product Description.....Pages

SPECIALTY STRUT (cont.)

(Stainless Steel (SS) • Zinc Trivalent Chromium (ZTC) • Hot Dipped Galvanized (HG))

BEAM CLAMPS

AS 2651 ZTC	Beam Clamp.....	92
--------------------	-----------------	----

BRACKETS

AS 651 ZTC	Reversible Strut Bracket.....	98
AS 809 ZTC	Double Channel Bracket.....	98

H-BLOCK ROOFTOP SUPPORT SYSTEMS

HBS HG	HBS-Support With Steel Channel.....	110
HBS-6 HG	HBS-Support With 2 7/16" H-122 Steel Channel.....	111
HBS-CB HG	HBS-CB-Bridge Series - Bridge Length Supports With 2 HBS Bases and Channel.....	112
HBS-CE HG	HBS-CE-Extension Series Support With Threaded Rod Extension and Channel.....	113
HBS-CES HG	Raised Bridge Length With 2 HBS Bases Pre-Galv Steel Channel.....	115
HBS-DSAW HG	HBS-DS-Duct Support Series With Adjustable Width and Height.....	117
HBS-DSFW HG	HBS-DS Duct Support Series With Fixed Width And Adjustable Height.....	116
HBS-PH 36" HG	HBS-PH 36" Light Duty Pipe Hanger Support Series with H-132 PG Top Support.....	118
HBS-PH 36" HG	HBS-PH 36" Medium Duty Pipe Hanger Support Series with Top Support.....	119
HBS-PH 36" HG	HBS-PH 36" Heavy Duty Pipe Hanger Support Series with Top Support.....	120
HBS-PH 48" HG	HBS-PH 48" Light Duty Pipe Hanger Support Series with H-132 PG Top Support.....	121
HBS-PH 48" HG	HBS-PH 48" Medium Duty Pipe Hanger Support Series with Top Support.....	122
HBS-PH 48" HG	HBS-PH 48" Heavy Duty Pipe Hanger Support Series with Top Support.....	123
HBS-Roller HG	HBS Base With 1 5/8" H-132 Pre-Galv. Steel Channel and Rollers.....	114

H-Block
H-Block Mini
Technical Data
Index
Pipe Hanger Pictorial

Description	Pages
$3/16"$ x $1/8"$ 12 Gauge Channel.....	42 - 43
$3/16"$ x $1/8"$ 14 Gauge Channel.....	38 - 39
$3/16"$ x $1/8"$ 16 Gauge Channel.....	46 - 47
1" x $1/8"$ 12 Gauge Channel.....	34 - 35
$1/8"$ x $1/8"$ 12 Gauge Channel.....	30 - 31
$1/8"$ x $1/8"$ 12 Gauge Back-to-Back Channel.....	44 - 45
$1/8"$ x $1/8"$ 12 Gauge Channel.....	22 - 23
$1/8"$ x $1/8"$ 14 Gauge Back-to-Back Channel.....	40 - 41
$1/8"$ x $1/8"$ 14 Gauge Channel.....	26 - 27
2" x $1/8"$ 12 Gauge Back-to-Back Channel.....	36 - 37
$2/16"$ x $1/8"$ 12 Gauge Channel.....	18 - 19
$2/4"$ x $1/8"$ 12 Gauge Back-to-Back Channel.....	32 - 33
$3/4"$ x $1/8"$ 12 Gauge Back-to-Back Channel.....	24 - 25
$3/4"$ x $1/8"$ 12 Gauge Back-to-Side Channel.....	25
$3/4"$ x $1/8"$ 12 Gauge Channel.....	14 - 15
$3/4"$ x $1/8"$ 12 Gauge Side-to-Reverse Side Channel.....	25
$3/4"$ x $1/8"$ 12 Gauge Side-to-Side Channel.....	25
$3/4"$ x $1/8"$ 14 Gauge Back-to-Back Channel.....	28 - 29
$4/8"$ x $1/8"$ 12 Gauge Back-to-Back Channel.....	20 - 21
$6/2"$ x $1/8"$ 12 Gauge Back-to-Back Channel.....	16 - 17
"T" Plate - 90° Angle.....	75
"U" Bolt Beam Clamp with Hook.....	94
"U" Bolt with Nut Long Tangent.....	62
"U" Support.....	79 - 80
"Z" Support.....	76
(1" - 8" Pipe) Pipe Roller Support.....	63, 138
$1/2"$ - 4" (Pipe) Pipe Roller Support.....	63, 138
(2" - 14" Pipe) Pipe Roller.....	63, 138
(6" - 16" Pipe) Double Roller Pipe Support.....	63, 138
2-Hole Angle with Impressions on Both Legs.....	71
2-Hole Closed Angle Connector.....	73
2-Hole Connecting Plate.....	68
2-Hole Corner Angle.....	71
2-Hole End Angle.....	71
2-Hole Hinge Connector.....	87
2-Hole Offset "Z" Support.....	76
2-Hole Open Angle Connector.....	73
2-Hole Single Corner Angle Connector.....	77
2-Hole Slotted 90° Corner Connector.....	74
2-Hole Splice Clevis.....	81
2-Hole Splice Plate.....	68
3-Hole Corner Angle.....	71, 75
3-Hole Hinge Connector.....	87
3-Hole Splice Clevis.....	81
3-Hole Splice Plate.....	68
3-Hole Swivel Plate.....	69
4-Hole Closed Angle Connector.....	74
4-Hole Corner Angle.....	75
4-Hole Corner Connector.....	70
4-Hole Corner Joiner Plate.....	69
4-Hole Double Corner Connector.....	77
4-Hole Hinge Connector.....	87
4-Hole Joint Corner Connector.....	72
4-Hole Open Angle Connector.....	73
4-Hole Splice Clevis.....	81
4-Hole Splice Plate.....	68
5-Hole Corner Connector.....	72
5-Hole Flat Connector.....	70
5-Hole Shelf Joint Angle.....	72
5-Hole Two Angle Connector.....	78
6-Hole "U" Support.....	80
6-Hole Corner Connector.....	77
6-Hole Double Corner Connector.....	78
6-Hole Three Angle Connector.....	78

Description	Pages
7-Hole Cross Connector.....	70
8-Hole "U" Support.....	80
8-Hole Double Angle Connector.....	78
8-Hole Double Corner Connector.....	77
10-Hole Two Angle Clevis Connector.....	78
12-Hole Three Angle Clevis Connector.....	78
$37/2"$ Stair Support.....	86
45° Stair Support.....	86
Adjustable Bases.....	88
Adjustable Double Slotted Corner Connector.....	72
Angle Plate Connector.....	75
Angular "I" Beam Clamp.....	92
Anvil-Strut Channel Fabrication Data.....	48
Beam Clamp.....	92 - 95
Clamp with Lock Nut.....	93
Clamp with Lock Nut.....	93
Clamping Nut with Long Spring.....	52
Clamping Nut with Regular Spring.....	52
Clamping Nut with Short Spring.....	52
Clamping Nut without Spring.....	52
Column Attachment.....	92
Conduit Clamp.....	58
Continuous Concrete Insert.....	102 - 104
Continuous Threaded Rod.....	54
Corner Angle.....	74
Cross Plate.....	69
Cup Support for Standard Single Strut.....	80
Cushion Clamp Assembly.....	60
Cushion Strip.....	61
Double "U" Bolt Beam Clamp.....	94
Double Channel Bracket.....	98
Double Channel Bracket Support.....	99
Double Column Post Base.....	83
Double Conveyor Adjusting Nut.....	53
Double Post Base.....	83
End Caps.....	106
EMT Conduit Clamp.....	56
Fender Washer.....	53
Flat Angle Plate.....	69
Flat Corner Connector.....	69 - 70
Flat Washer.....	53
Four Wheel Trolley.....	89
H-BLOCK Shipping.....	128
H-BLOCK Special Features.....	108
HBM-Base Rubber Support - Base Only.....	124
HBM-CE5 Extension Series.....	127
HBM-Hinged Pipe Clamp Series.....	126
HBM-Support With $3/16"$ H-164 Steel Channel.....	125
HBM-Support With $1/8"$ H-132 Steel Channel.....	125
HBS-Base with Steel Channel and Rollers.....	114
HBS-Base Rubber Support - Base Only.....	109
HBS-CB Bridge Series - Bridge Length Supports.....	112
HBS-CE Extension Series.....	113
HBS-DS Duct Support Series with Fixed Width.....	116
HBS-DS Duct Support Series with Adjustable Width.....	117
HBS-PH 36" Heavy Duty Pipe Hanger Support Series.....	120
HBS-PH 36" Light Duty Pipe Hanger Support Series.....	118
HBS-PH 36" Medium Duty Pipe Hanger Support Series.....	119
HBS-PH 48" Heavy Duty Pipe Hanger Support Series.....	123
HBS-PH 48" Light Duty Pipe Hanger Support Series.....	121
HBS-PH 48" Medium Duty Pipe Hanger Support Series.....	122
HBS-Support with $27/16"$ H-122 Steel Channel.....	111
HBS-Support with Steel Channel.....	110
Heavy Duty Suspension Rod Beam Clamp.....	95

Description	Pages
Hex Head Cap Screw.....	54
Hexagon Nut.....	53
Hold Down Clamp.....	59
Inside Clevis.....	85
Ladder Rung.....	86
Lateral Bracing Load Reduction Charts.....	50
Light Weight Concrete Insert.....	105
Linked Eyelet with Stud.....	54
Lock Washer.....	53
Metal Painted Closure Strip.....	49
Metal Raceway Closure Strip.....	49
O.D. Tubing Clamp.....	57
Offset Connector.....	76
One Piece Cable and Conduit Clamp.....	59
One-Hole Clamp for O.D. Tubing.....	58
Parallel Pipe Clamp.....	58
Pipe Axle Support.....	86
Pipe Or Conduit Hanger.....	62
Plastic Closure Strip.....	105
Plastic Red & White Safety End Cap.....	106
Post Base.....	82 - 84
Raised Bridge.....	115
Reversible Strut Bracket.....	98
Right Angle Pipe or Conduit Clamp.....	58
Rigid Conduit Clamp.....	56
Rod Coupling.....	54
Rod or Insulator Support.....	95
Safety Anchor Strap.....	93
Screw Concrete Insert.....	105
Seismic Rod Stiffener.....	53
Shelf Bracket.....	99 - 100
Single Channel Bracket Support.....	99
Single Post Base.....	82, 84
Slotted "U" Support.....	80
Slotted 90° Angle.....	74
Slotted Adjustment Corner Angle.....	74
Slotted Hex Head Machine Screw.....	54
Square Nut.....	53
Square Washer.....	68
Square Washer with Channel Guide.....	68
Strut Brace.....	85
Strut Bracket (Slot Down).....	98
Strut Bracket (Slot Up).....	98
Strut Mounted Insulation Couplings.....	64, 66
Strut Mounted One-Piece Insulation Coupling.....	65
Stud Nut with RS Spring.....	52
Swing Gate Fixture Hanger.....	62
Swivel Adapter.....	93
Swivel Ring Hanger.....	62
Symmetrical 3-Hole Joint Connector.....	70
Symmetrical 4-Hole Connector.....	70
Tee Plate.....	69
Top Beam "C" Clamp.....	93
Top Grip Nut with Spring On Top.....	52
Trolley Beam Joint Support.....	89
Trolley Beam Standard Support.....	89
Two Wheel Trolley.....	89
Type "A" End Cap.....	106
Type "B" End Cap.....	106
Universal Angle Bracket.....	75
Universal Clamp.....	56
Wall Ladder Bracket.....	86
Welded Combinations.....	49
Wide Throat Heavy Duty Beam clamp.....	95

Copper Tubing Hangers



Fig. CT-65
Light Duty Adjustable Clevis
Size Range: 1/2" - 4"



Fig. CT-69
Adjustable Swivel Ring
Size Range: 1/2" - 4"



Fig. 67F
Copper Tube
Felt Lined Hanger
Size Range: 1/2" - 6"



Fig. 69F
Copper Tube
Adj. Swivel Ring
Size Range: 1/2" - 6"



Fig. CT-121
Copper Tubing Riser Clamp
Size Range: 1/2" - 4"



Fig. CT-128R
Rod Threaded Ceiling Flange
Sizes: 3/8" - 1/2"



Fig. CT-138R
Extensions Split Tubing Clamp
Size Range: 1/2" - 2"



Fig. CT-255
Copper Tubing
Alignment Guide
Size Range: 1" - 4"

Steel Pipe Clamps



Fig. 261
Extension Pipe or
Riser Clamp
Size Range: 3/4" - 24"



Fig. 40
Riser Clamp Standard
Size Range: 2" - 24"



Fig. 103
Offset Pipe Clamp
Size Range: 3/4" - 8"



Fig. 100
Extended Pipe Clamp
Size Range: 1/2" - 8"



Fig. 212
Medium Pipe Clamp
Size Range: 1/2" - 30"



Fig. 212FP
Earthquake Bracing Clamp
Size Range: 2 1/2" - 12"



Fig. 216
Heavy Pipe Clamp
Size Range: 3" - 42"



Fig. 295
Double Bolt Pipe Clamp
Size Range: 3/4" - 36"



Fig. 295A
Alloy Double Bolt Pipe Clamp
Size Range: 1 1/2" - 24"



Fig. 295H
Heavy Duty Double Bolt
Pipe Clamp
Size Range: 6" - 36"



Fig. 224 & 246
Alloy Steel Pipe Clamp
Size Range: 4" - 24"

CPVC Pipe Hangers



Fig. 185
One Hole Pipe Strap
Size Range: 3/4" - 2"



Fig. 186
Two Hole Pipe Strap
Size Range: 3/4" - 2"



Fig. 187
Two Hole 90° Side
Mount Strap
Size Range: 3/4" - 2"



Fig. 188
Two Hole Stand Off Strap
Size Range: 3/4" - 2"

Clevis



Fig. 65
Light Duty Adjustable Clevis
Size Range: 3/8" - 4"



Fig. 67
Pipe or Conduit Hanger
Size Range: 1/2" - 6"



Fig. 260
Adjustable Clevis Hanger
Size Range: 1/2" - 30"



Fig. 260 ISS
Clevis Hanger with
Insulation Saddle System
Size Range: 2" - 16"



Fig. 300
Adjustable Clevis for
Insulated Lines
Size Range: 3/4" - 12"



Fig. 590
Adjustable Clevis for
Ductile or Cast Iron
Size Range: 3" - 24"

H-Block

H-Block Mini

Technical
Data

Index

Pipe Hanger
Pictorial

Beam Clamps



Fig. 86 & 88
C-Clamp with Set
Screw and Lock Nut
Size Range: 3/8" - 3/4"



Fig. 95
C-Clamp with Lock Nut
Sizes: 3/8" and 1/2"



Fig. 89
Retaining Clip
Size Range: 3/8" - 1/2"



Fig. 89X
Retaining Clip
Size Range: 3/8" - 3/4"



Fig. 92
Universal C-Type Clamp
Standard Throat
Sizes: 3/8" and 1/2"



Fig. 93
Universal C-Type Clamp
Wide Throat
Sizes: 3/8" and 1/2"



Fig. 94
Wide Throat Top Beam
C-Clamp
Sizes: 5/8" and 3/4"



Fig. 227
Top Beam Clamp



Fig. 217
Adjustable Side
Beam Clamp
Size Range: 3" - 7 5/8"



Fig. 14
Adjustable Side
Beam Clamp
Sizes: 3/8" - 5/8"



Fig. 133
Standard Duty Beam
Clamp
Size Range: 4" - 12"



Fig. 134
Heavy Duty Beam
Clamp
Size Range: 4" - 12"



Fig. 218
Malleable Beam Clamp
without Extension Piece



Fig. 228
Universal Forged Steel
Beam Clamp



Fig. 292 & 292L
Universal Forged Steel
Beam Clamp with
Weldless Eye Nut

Socket Clamps



Fig. 595 & Fig. 594
Socket Clamp
for Ductile Iron or Cast Iron Pipe
& Socket Clamp Washer
Size Range: 4" - 24" pipe



Fig. 600 & Fig. 599
Socket Clamp
for Ductile Iron or Cast Iron Pipe
& Socket Clamp Washer
Size Range: 3" - 24" pipe

Ceiling Plates



Fig. 395
Cast Iron Ceiling Plate
Size Range: 1/2" - 8"



Fig. 127
Plastic Ceiling Plate
Sizes: 3/8" and 1/2"



Fig. 128R
Rod Threaded, Ceiling Flange
Sizes: 3/8" and 1/2"



Fig. 153
Pipe Hanger Flange
Size Range: 3/8" - 3/4"

U-Bolts



Fig. 137 & 137S
Standard U-Bolt
Size Range: 1/2" - 36"



Fig. 137C
Plastic Coated U-Bolt
Size Range: 1/2" - 8"



Fig. 120
Light Weight U-Bolt
Size Range: 1/2" - 10"

Trapeze



Fig. 46
Universal Trapeze Assembly



Fig. 45
Channel Assembly



Fig. 50
Equal Leg Angle for Trapeze
Assembly

Brackets



Fig. 202
Iron Side Beam Bracket
Size Range:
3/8" - 5/8"



Fig. 206
Steel Side Beam Bracket
Size Range:
3/8" - 5/8"



Fig. 207
Threaded Steel Side
Beam Bracket
Sizes: 3/8" and 1/2"



Fig. 194
Light Welded
Steel Bracket



Fig. 195
Medium Welded
Steel Bracket



Fig. 199
Heavy Welded
Steel Bracket

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"

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"

Hanger Rods & Accessories



Fig. 142
Coach Screw Rods Machine Threaded on Opposite End
Size Range: 3/8" - 1 1/2"



Fig. 146
Continuous Thread Machine Threaded Rods
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 & 135E
Straight Rod Coupling
Size Range: 1/4" - 1"



Fig. 136 & 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"

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"



Fig. 75LL
Longitudinal & Lateral Roller



Fig. 76CP
Non-Conductive Roller

Pipe Shields & Saddles



Fig. 167
Insulation Protection Shield
Size Range: 1/2" thru 24" pipe with up to 2" thick insulation.



Fig. 168
Rib-Lok Shield
Size Range: 1/2" thru 8" pipe or copper tube with up to 2" thick insulation.



Fig. 160 to 166A
Pipe Covering Protection Saddle
Size Range: 3/4" thru 36"

Pipe Guides & Slides



Fig. 255
Pipe Alignment Guide
Size Range: 1" - 24" pipe and insulation thickness of 1" thru 4"
(Also available in copper tube sizes)



Fig. 256
Pipe Alignment Guide
Size Range: 1" - 24" pipe and insulation thickness of 1" thru 4"



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

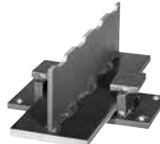


Fig. 436 & 436A
Fabricated Tee Slide Assembly
Size Range: All Sizes within Maximum Load Rating



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



Fig. 432
Special Clamp
Size Range: 2" - 24"



Fig. 212
Medium Pipe Clamp
Size Range: 2" - 30"

Sway Strut Assembly



Fig. 211, C-211, 640, C-640
Sway Strut Assembly



Fig. 222 & C-222
Mini-Sway Strut Assembly

Structural Attachments



**Fig. 55 & Fig. 55L
Structural Welding Lug**
Size Range:
Fig. 55: 1/2" - 3/4"
Fig. 55L: 1/2" - 2"



**Fig. 54
Two Hole Welding Beam Lug**
Size Range: 1/2" - 2 1/4"



**Fig. 112 & 113
Brace Fitting Complete**
Sizes: 1" and 1 1/4"



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



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

Stainless Steel Hangers NEW



**Fig. 137SS
Standard U-Bolt**
Size Range: 1/2" - 12"



**Fig. 260SS
Adjustable Clevis Hanger**
Size Range: 1/2" - 12"



**Fig. 261SS
Extension Pipe or Riser Clamp**
Size Range: 1/2" - 8"



**Fig. 590SS
Adjustable Clevis for Ductile
or C.I. Pipe**
Size Range: 4" - 12"



Snubbers



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



**Fig. 312
Tapered Pin**
Size Range: 3/8" - 2 1/2"



**Fig. 200 & C-200 / Fig. 201 & C-201
Hydraulic Shock & Sway Suppressor (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.

Spring Hangers



**Fig. 82 & C-82
Short Spring**



**Fig. 98 & C-98
Double Spring**



**Fig. B-268 & C-268
Standard Spring**

**Triple Spring,
Triple Spring-CR**

**Quadruple Spring,
Quadruple Spring-CR**

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 accommodate travels from 1 1/2" to 20" & loads from 27 lbs to 87,500 lbs.

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.

H-Block

H-Block Mini

Technical
Data

Index

Pipe Hanger
Pictorial

SWAY BRACE - SEISMIC

Pipe Brace Clamps

OPA-2804-10



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

OPA-2804-10



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

OPA-2804-10



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

Restraints



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

OPA-2804-10

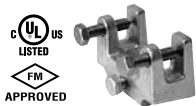


Fig. 778
Bar Joist and Beam Attachment (WF)
Size Range: Flange Thickness 1/8" - 3/4"

OPA-2804-10



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



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

Sway Brace Attachment

OPA-2804-10



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

BRANDS OF ANVIL INTERNATIONAL



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



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.



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



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.



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.



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.



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



Steel pipe nipples and steel pipe couplings are manufactured in accordance with the ASTM A733 Standard Specification for Welded and Seamless Carbon Steel and Stainless Steel Pipe Nipples. Steel pipe couplings are manufactured in accordance with the ASTM A865 Standard Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints. API couplings are manufactured in accordance with the API Specification for line pipe.



Anvil-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.



Founded in 1983, NAP is a manufacturer of fabrication equipment, including automatic welders, plasma cut-off equipment, hole cutting equipment, make-on machines and pipe threaders. NAP, innovators of pipe fabrication equipment.