J-Hook / Steel
H-233-S

59°
3.22"
2" I.D.
2.59"
3" I.D.

2"
1 7/8 "
2"

⌀ .235"

MonoSystems
Patented
Part # H-233-S
CONDUIT AND CABLE HARDWARE

□ .312"

2.08"

⌀ .50"
(FOR 1/2" THREADED ROD)

The Hook™
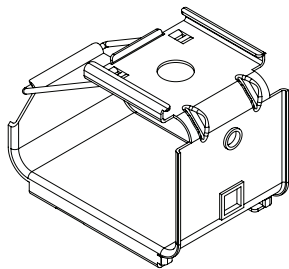### Manufactured by MonoSystems, Inc.

H-233-S / BASE

Notes:

1.) May be linked top to bottom infinitely. Directly compatible and linkable with other H-233-S hooks and/or larger H-433-S hooks.

2.) Integrated wire retainer clip provides protection & security.

3.) Optimal support for high performance cable, up to and including CAT5e, CAT6, CAT 6A, CAT7 and fiber optic. Radiused edges prevent damage to contents.

4.) May be secured to walls, beams, threaded rod, trusses, cable trays, rack systems and other systems.

5.) A single H-233-S has a static load of 60 lbs. When adding additional hooks without additional points of support, the load for each hook should be divided by the number of hooks on the total tiering. For example (4) H-233-S hooks would have a max. load of 15 lbs each.

6.) UL listed and compliant with UL2043 and suitable for use in air handling (plenum) spaces.

7.) Tested in accordance with DIN 4102-12, UL2239, and CSA C22.2 No. 18.4

8.) Complies with EN 50174-2.

9.) Complies with ANSI/TIA-569-D.

10.) Meets ISO/IEC 14763-2, ANSI/TIA568 and ANSI/TIA 569.

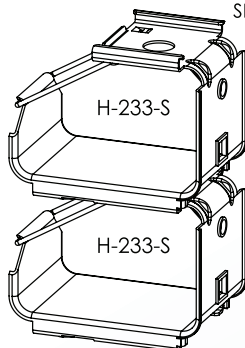11.) Unit weight: 0.2 lbs/ea. cross sectional area = 5.259 in 2.
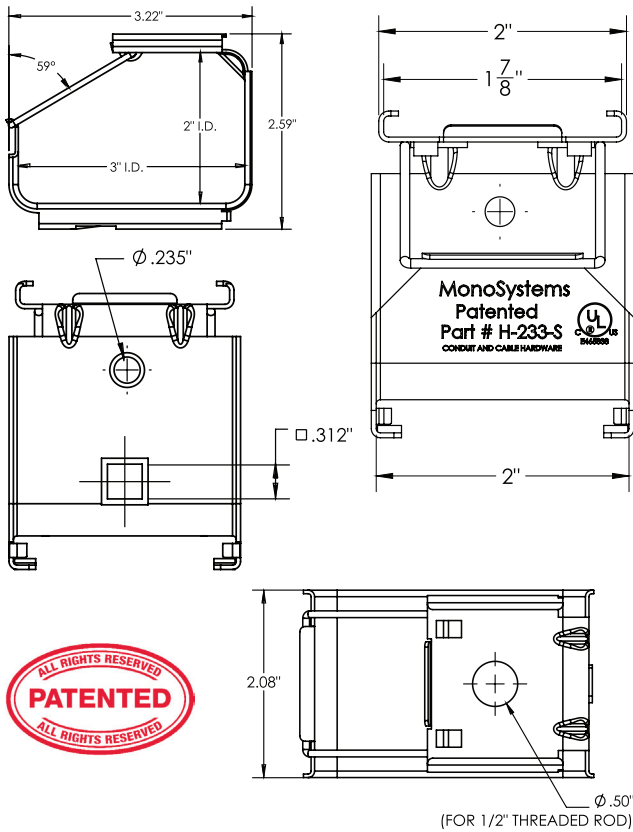
PART NUMBER	MATERIAL
H-233-S	GALVANIZED STEEL

| H-233 APPROX. WIRE CAPACITY		
CABLE TYPE	CABLE/WIRE SIZE	FILL
CAT 5e	0.210 (5.3)	75
CAT 6	0.250 (6.3)	50
CAT 6A	0.300 (7.6)	30
CAT 7	0.315 (8)	21

H-233-S
H-233-S

ORDERED SEPARATELY

H-433-S
H-233-S

ISOMETRIC VIEWS
SCALE 1:1.5

LINKED VIEW
SCALE 1:2

LINKED WALL MOUNT VIEW
SCALE 1:2

FOR MORE INFORMATION
ON THE HOOK, CONTACT
QUOTES@MONOSYSTEMS.COM

4 International Drive
Rye Brook, NY 10573
Toll Free: 1 888.764.7681
Phone: 914.934.2075
Fax: 914.934.2190
MonoSystems.com

MonoSystems™
Expect. Direct.

J-Hook / Steel
H-433-S

H-433-S

FRONT VIEW

2"
1 7/8"
⌀ .235"
□ .312"
MonoSystems
Patented
Part # H-433-S
CONDUIT AND CABLE HARDWARE
E465838
2.02"

3.22"
39°
4" I.D.
3" I.D.
4.59"

2.10"
⌀ .50"
(FOR 1/2" THREADED ROD)
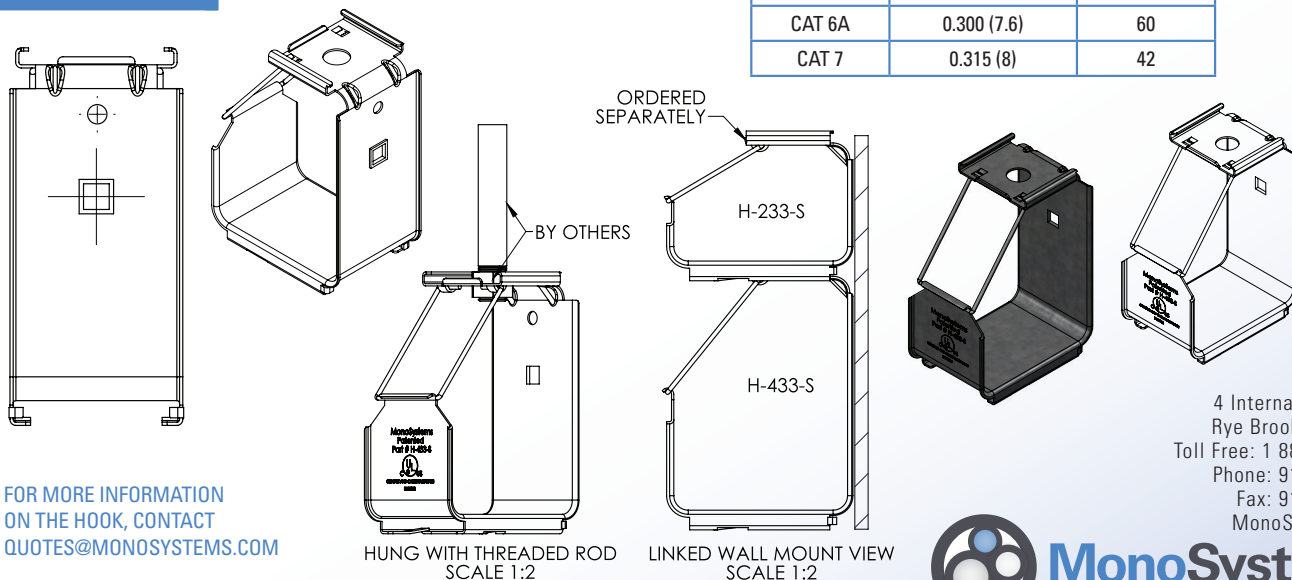
ALL RIGHTS RESERVED
PATENTED
ALL RIGHTS RESERVED

Notes:

1.) May be linked top to bottom infinitely. Directly compatible and linkable with other H-433-S hooks and/or smaller H-233-S hooks.

2.) Integrated wire retainer clip provides protection & security.

3.) Optimal support for high performance cable, up to and including CAT5e, CAT6, CAT 6A, CAT 7 and fiber optic. Radiused edges prevent damage to contents.

4.) May be secured to walls, beams, threaded rod, trusses, cable trays, rack systems and other systems.

5.) A single H-433-S has a static load of 75 lbs. When adding additional hooks without additional points of support, the load for each hook should be divided by the number of hooks on the total tiering. For example (4) H-433-S hooks would have a max. load of 18.75 lbs each.

6.) UL listed and compliant with UL2043 and suitable for use in air handling (plenum) spaces.

7.) Tested in accordance with DIN 4102-12, UL2239, and CSA C22.2 No. 18.4.

8.) Complies with EN 50174-2.

9.) Complies with ANSI/TIA-569-D.

10.) Meets ISO/IEC 14763-2, ANSI/TIA568 and ANSI/TIA 569.

11.) Unit weight: 0.3 lbs/ea. cross sectional area = 10.553 in 2.

UL LISTED
FILE: E465838
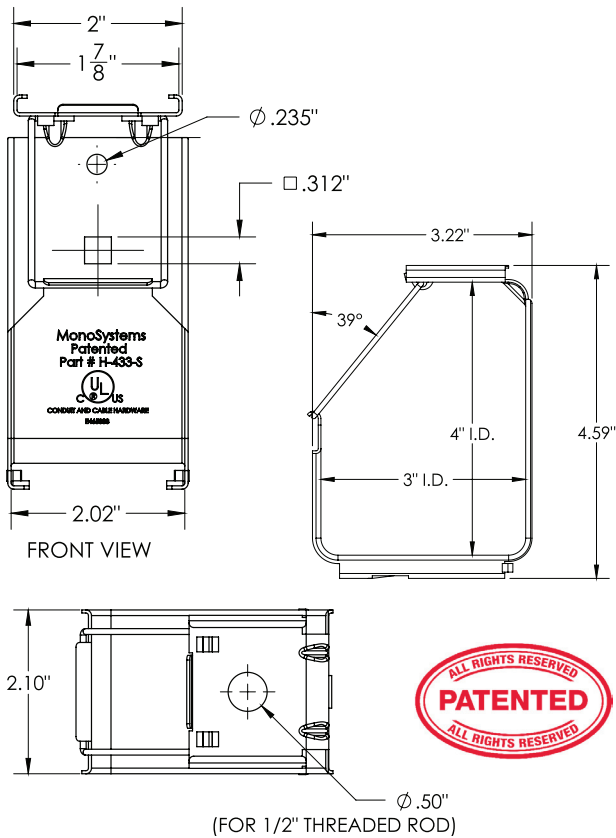
PART NUMBER	MATERIAL
H-433-S	GALVANIZED STEEL
H-433-SS	STAINLESS STEEL

H-433 (THE HOOK) CAPACITY		
CABLE TYPE	CABLE/WIRE SIZE	FILL
CAT 5e	0.210 (5.3)	150
CAT 6	0.250 (6.3)	100
CAT 6A	0.300 (7.6)	60
CAT 7	0.315 (8)	42

ORDERED SEPARATELY
BY OTHERS
H-233-S
H-433-S

HUNG WITH THREADED ROD
SCALE 1:2

LINKED WALL MOUNT VIEW
SCALE 1:2

FOR MORE INFORMATION ON THE HOOK, CONTACT QUOTES@MONOSYSTEMS.COM

4 International Drive
Rye Brook, NY 10573
Toll Free: 1 888.764.7681
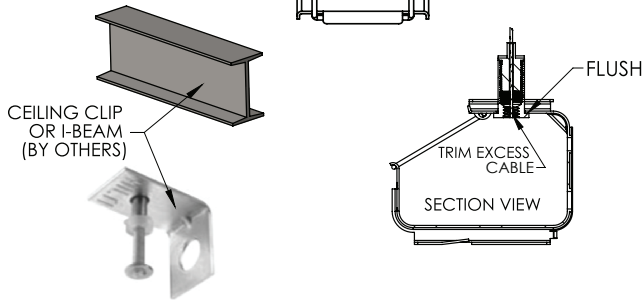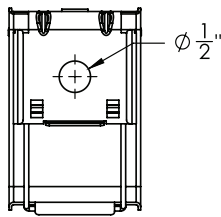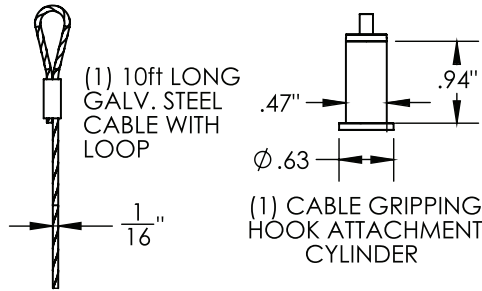Phone: 914.934.2075
Fax: 914.934.2190
MonoSystems.com

MonoSystems™
Expect. Direct.

J-Hook / Steel
H-GRP-10K

CABLE HANGER ATTACHMENT FOR THE HOOK

EACH H-GRP-10K KIT INCLUDES:

(1) 10ft LONG GALV. STEEL CABLE WITH LOOP

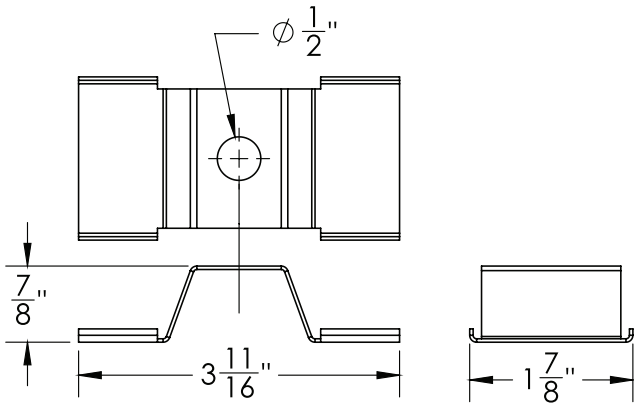.47"   .94"

Ø .63

1/16"

(1) CABLE GRIPPING HOOK ATTACHMENT CYLINDER

CLASSIFIED c UL us

Ø 1/2"

CEILING CLIP OR I-BEAM (BY OTHERS)

FLUSH

TRIM EXCESS CABLE

SECTION VIEW

H-GRP-10K

H-GRP-10K

H-433-S OR H-233-S THE HOOK (ORDERED SEPARATELY)

Notes:

1.) Ordered as each. Includes: 10'L Ø 1/16" steel galvanized cable with clamped upper loop and 2-piece threaded nickel plated brass cable gripping cylinder sleeve.

2.) Provides quick and easy attachment for mounting of H-433-S or H-233-S 'Hook' by installing above thru Ø 1/2" hole. Cable gripping hook attachment requires no special tools and is fully adjustable to quickly achieve the right suspension height.

3.) 50 pound working load limit, with a 5 to 1 safety factor.

4.) Views for reference - do not scale.

5.) To Install:

- Securely attach steel cable loop to steel I-beam, structural hanger, bracket, ceiling clip or other mounting surface (by others).

- Place cable gripping cylinder thru Ø 1/2" hole of hook and feed steel cable thru center of cylinder until you have reached the desired height. Avoid pulling the cable thru at an angle in excess of 5º.

- Trim excess cable away (as needed).

ORDERING DATA EXAMPLE:

H- GRP - 10 K

GRP = GRIPLOCK   STEEL CABLE LENGTH   K = KIT

10 = 10ft
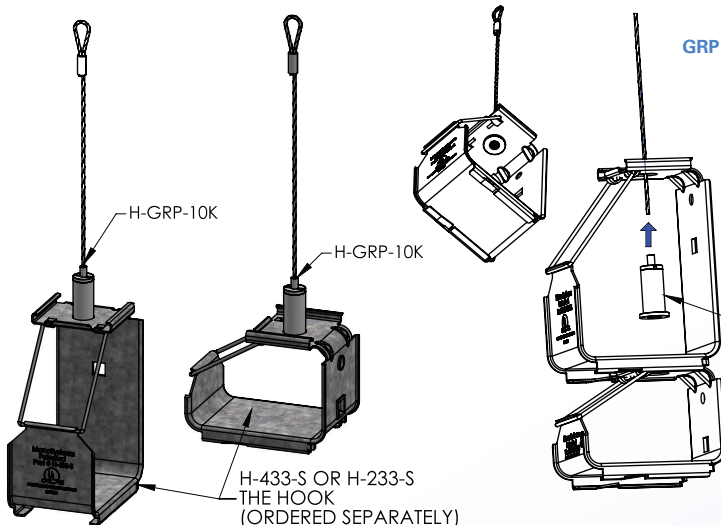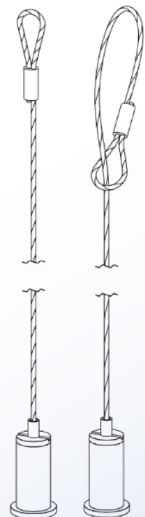
ALIGN WITH 1/2" HOLE OF HOOK AND FEED UPWARD UNTIL FLUSH WITH BOTTOM OF HOOK AND POSITIONED AT DESIRED ELEVATION

SEE NOTE 5

J-Hook / Steel
H-433-H

Buy American Act Compliant

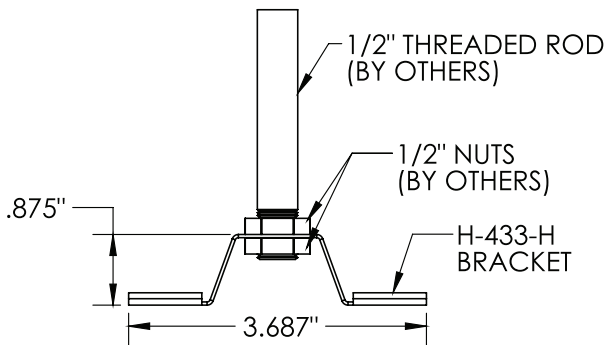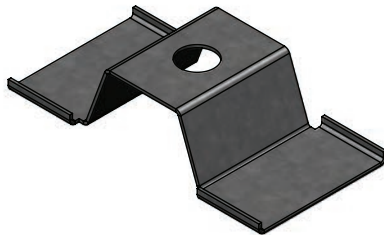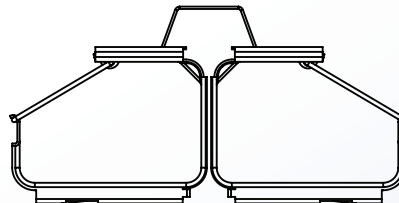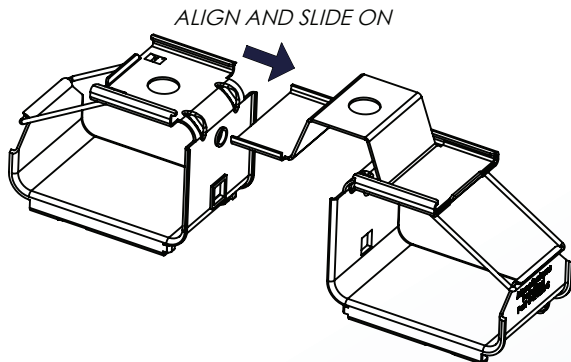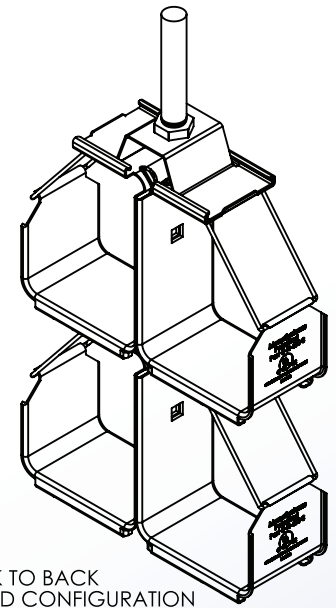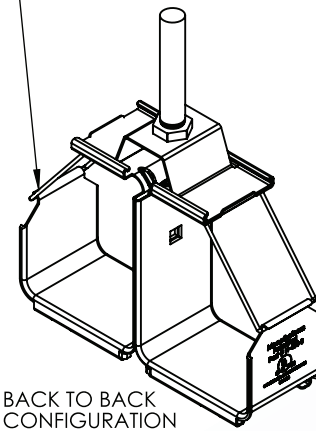## CENTER HANGER BRACKETS

Notes

1.) Material: 20GA galvanized steel. For stainless steel use H-433-HSS part number.

2.) Secure from threaded rod or directly under a beam or other suitable mounting surface.

3.) Provides support for mounting of H-433-S and/or H-233-S 'Hook' in back to back configuration with no additional hardware required.

4.) Provides support for the 'Hook' for a number of different applications.

5.) Linkability remains fully viable in single or back to back configurations.

6.) Views for reference - do not scale.

$\phi \frac{1}{2}$"

$\frac{7}{8}$"

$3 \frac{11}{16}$"

$1 \frac{7}{8}$"

UL LISTED
FILE: E465838

1/2" THREADED ROD (BY OTHERS)

1/2" NUTS (BY OTHERS)

H-433-H BRACKET

.875"

3.687"

H-433-S OR H-233-S (THE HOOK) ORDERED SEPARATELY

BACK TO BACK CONFIGURATION

BACK TO BACK LINKED CONFIGURATION

ALIGN AND SLIDE ON

4 International Drive
Rye Brook, NY 10573
Toll Free: 1 888.764.7681
Phone: 914.934.2075
Fax: 914.934.2190
MonoSystems.com

MonoSystems™
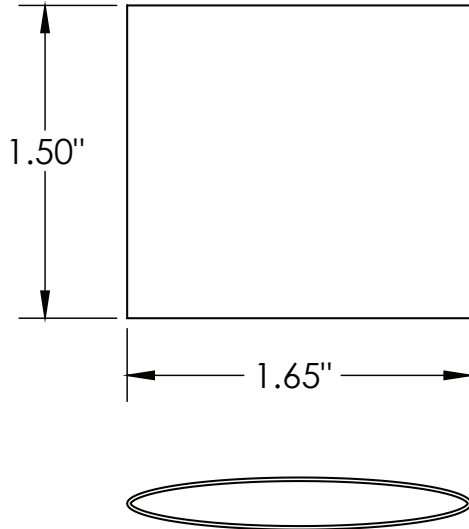Expect. Direct.

The Hook™ Accessories
Manufactured in the USA by MonoSystems, Inc.

Buy American Act Compliant

H-433-CB/Colored Band

1.50"

1.65"

File: E122770

Notes

1.) Color coated sleeves allow for content designation without the need for inventory colored hardware in various colors.
For use with H-233 or H-433 style hooks.

2.) Color band material: polyethylene and olefin copolymers.

3.) To install, un-hook cage wire and align poly color band around wire. With index finger and thumb pull color band upward until it is completely centered on wire. Re-hook cage wire.
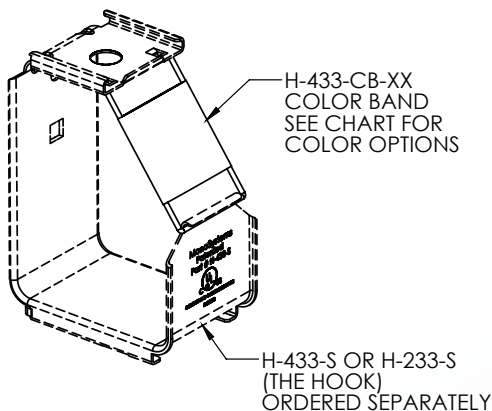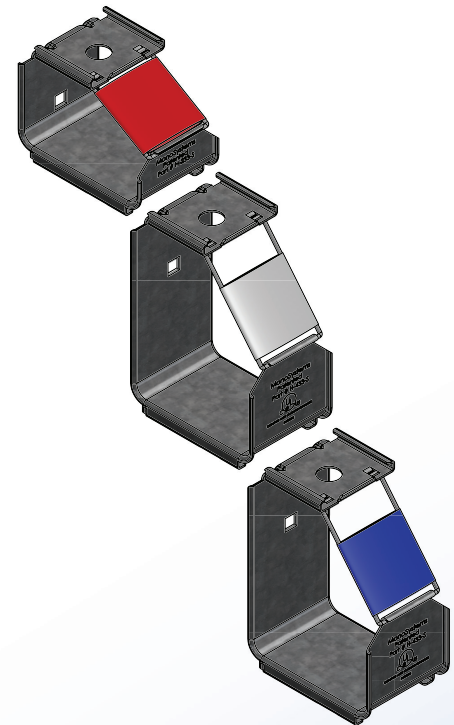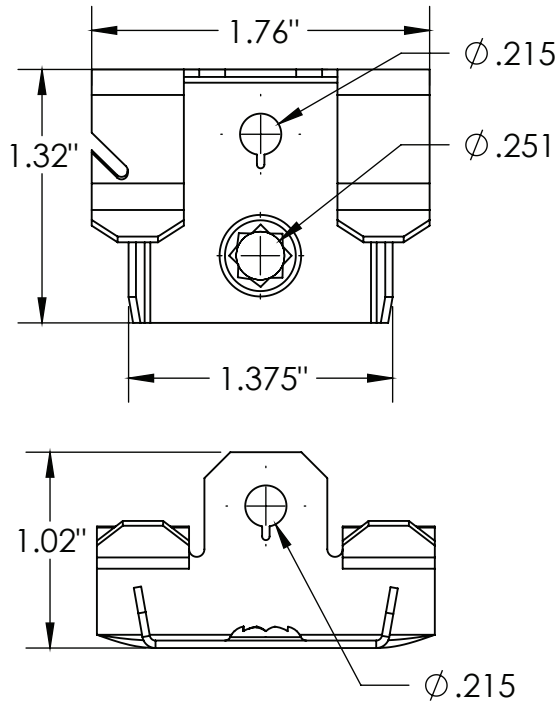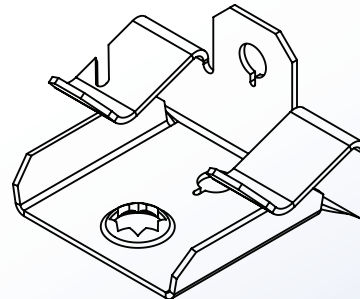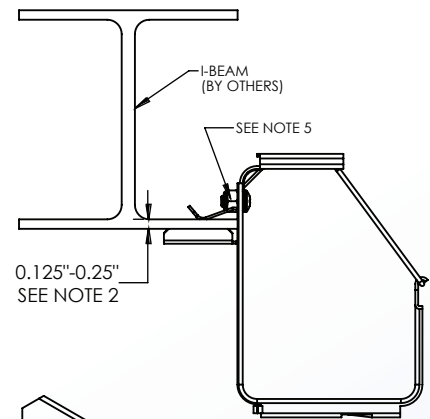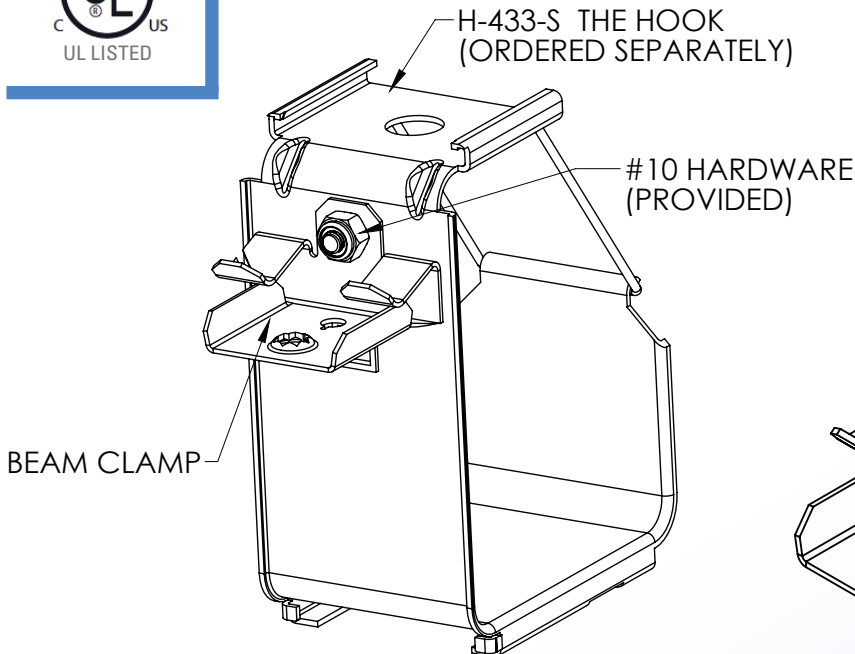
6.) Views for reference - do not scale.

ORDERING DATA EXAMPLE:

H-433-CB-XX

WH = WHITE
RD = RED
GR = GREEN
YE = YELLOW
BL = BLUE
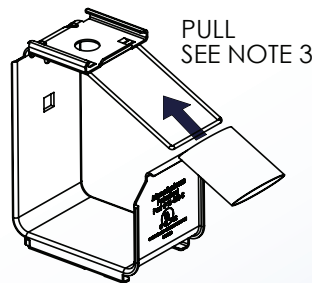
H-433-CB-XX
COLOR BAND
SEE CHART FOR
COLOR OPTIONS

PULL
SEE NOTE 3

H-433-S OR H-233-S
(THE HOOK)
ORDERED SEPARATELY

MonoSystems™
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J-Hook / Steel
H-433-BC18

HAMMER ON BEAM CLAMP FOR THE HOOK

Notes

1.) Material: 0.039" spring steel, black oxide finish.

2.) Fits 1/8" to 1/4" flange mount thickness. Static load capacity: 30lbs.

3.) Each H-433-BC18 ordered includes:
   (1) Beam clamp
   (1) #10 X 3/8" Phil.Pan. HD screw
   (1) #10 Nylock nut

4.) Provides quick and easy attachment for mounting of H-433-S 'hook' by clamping to an I-beam flange or similar.

5.) To install, position beam clip such that the opening below the tongue slides completely onto the beam mounting flange (by others). Hammer on straight as required. Install H-433-H cable hook (ordered separately) to clamp, attaching provided hardware thru the upper back side hole of the hook as shown.

6.) Views for reference - do not scale.

1.76"
1.32"
⌀.215
⌀.251
1.375"
1.02"
⌀.215

UL LISTED

H-433-S THE HOOK (ORDERED SEPARATELY)
#10 HARDWARE (PROVIDED)
BEAM CLAMP

I-BEAM (BY OTHERS)
SEE NOTE 5
0.125"-0.25" SEE NOTE 2

H-433-BC/Beam Clamp

NOTES
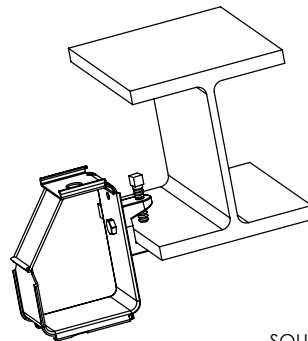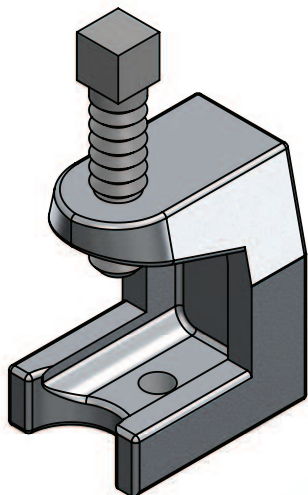
1.) Provides support for mounting of H-433-S 'hook' by clamping from above.

2.) Fits flanged up to 15/16" (0.937") thick.

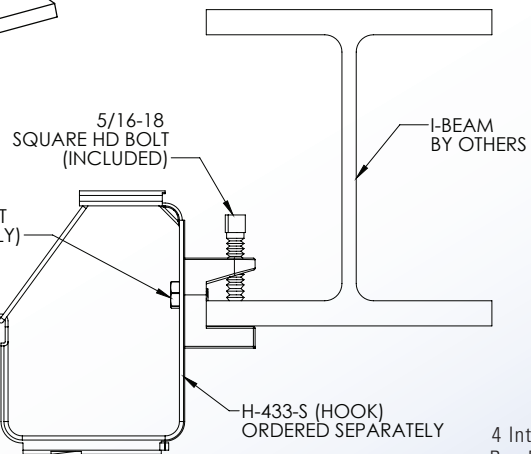3.) Static load limit: 450lbs

4.) Views for reference - do not scale.
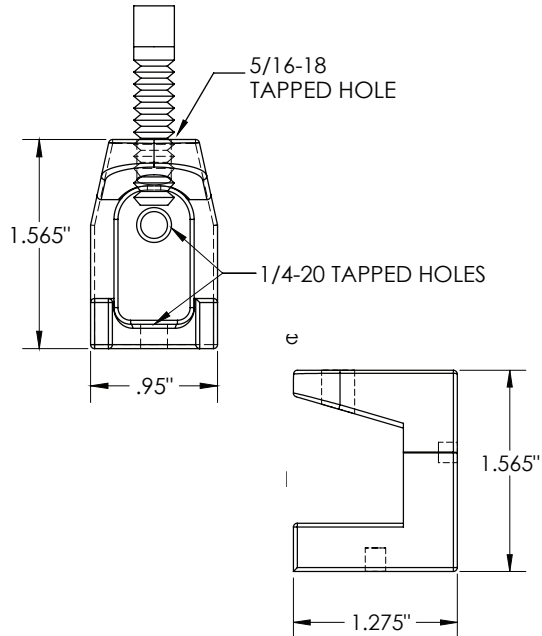
Material: Galvanized Malleable Iron
Finish: Electroplated

5/16-18
TAPPED HOLE

1.565"

1/4-20 TAPPED HOLES

.95"

1.565"

1.275"

CSA Certified
095280 CLASS
4681-04

5/16-18
SQUARE HD BOLT
(INCLUDED)

I-BEAM
BY OTHERS

1/4-20 x 1/2" HEX BOLT
(ORDERED SEPARATELY)

H-433-S (HOOK)
ORDERED SEPARATELY

4 International Drive
Rye Brook, NY 10573
Toll Free: 1 888.764.7681
Phone: 914.934.2075
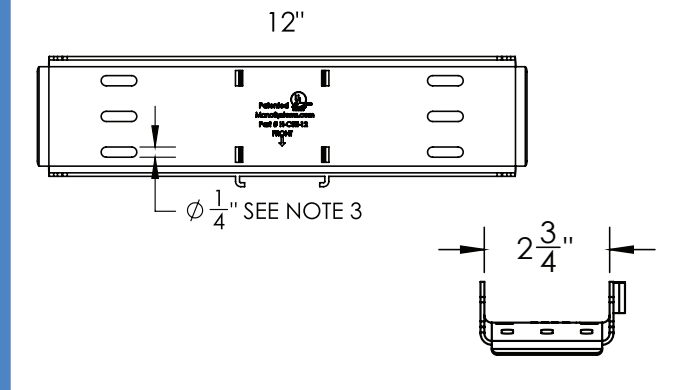Fax: 914.934.2190
MonoSystems.com

MonoSystems™
wire management. managed.™

J-Hook / Steel
H-CSE-12

CABLE SUPPORT EXTENDER

12"

⌀ $\frac{1}{4}$" SEE NOTE 3

2 $\frac{3}{4}$ "

CLASSIFIED
c UL us

FILE: E465838

FRONT VIEW SCALE 1:4

40" RADIUS

ISOMETRIC
VIEW SCALE 1:4

CABLE OR CONDUIT
(BY OTHERS)

LOWER RETAINER
CLIPS

FRONT RETAINER
CLIPS

STEP 1

J-HOOK
FRONT FLANGE

₵

DETAIL A

STEP 2

A

J-HOOK

H-CSE-12

B

STEP 3

H-233-S
(ORDERED
SEPARATELY)

H-CSE-12

H-433-S
(ORDERED
SEPARATELY)

H-CSE-12

DETAIL B

Notes:

1.) Material: RTP 199 x 127145 F durable glass fiber polypropylene (low smoke density), listed to UL2043 and UL94 flame rated.

2.) Suitable for use in air handling spaces (plenums) in accordance with section 300.22 (C) and (D) of the NEC code and rules 12-010 (3), (4), (5), and 12-020 of the Canadian electrical code, part 1.

3.) Color: gray, unit weight: 0.2 Lbs.

4.) Use to extend cable or conduit carrying platform of H-233-S or H-433-*.

5.) Suitable for use with fiber optic cabling.

6.) Smooth surfaces allow for pulling.

7.) H-CSE-12 does not interfere with linkability of J-hooks.

8.) Load rating of H-CSE-12 meets the static load rating of the mating hooks.

9.) Six (6) Ø 1/4" slots for cable securement straps or ties (by others).

10.) Attaches to H-233-S or H-433-*J-hooks free of hardware or tools.

11.) Wire fill accommodations are reduced by 4.5% when using a H-CSE-12 cable support extender within a H-433 or H-233 Hook.

12.) Complies with ANSI/TIA-569-D.

13.) Tested in accordance with DIN 4102-12, UL 2239, and CSA C22.2 NO. 18.4.

14.) Views for reference - do not scale.

To Install:

Step 1: Insert and center the H-CSE-12 in the J-hook cavity.

Step 2: Align H-CSE-12 front retainer clips with front flange of the J-hook.

Step 3: Slide H-CSE-12 straight downward into place until the lower retainer clips. Completely snap onto the bottom of the J-hook.
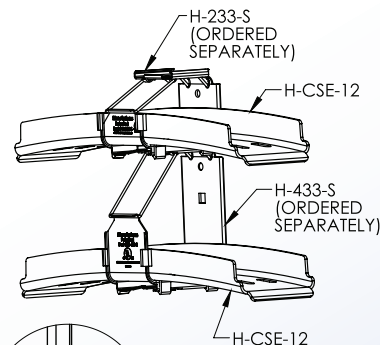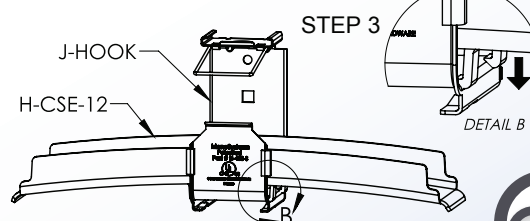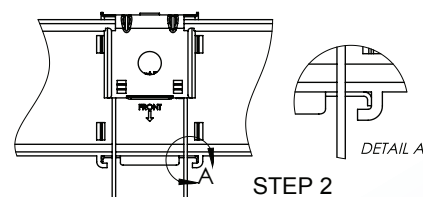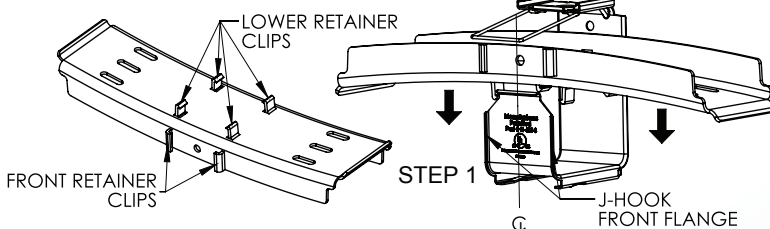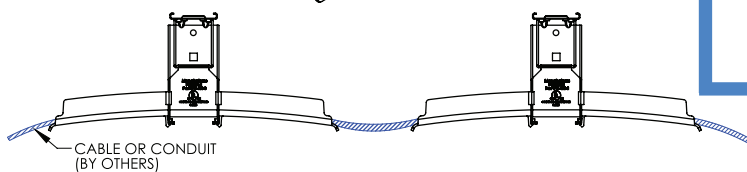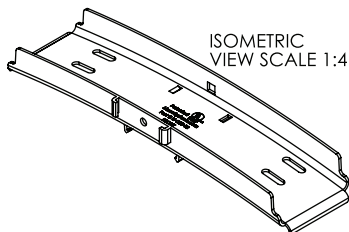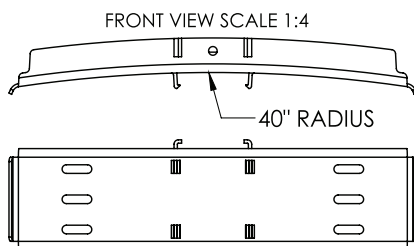
MonoSystems
Expect. Direct.™

J-Hook / Steel
H-433-BWX

BATWING CLIP FOR J-HOOK

Notes:

1.) Material: 0.046" Spring steel.

2.) Each H-433-BWX ordered includes:
   (1) Attachment clip as specified
   (1) 1/4-20 X 3/8" PHIL.PAN. HD screw
   (1) 1/4-20 Low profile nylock nut

3.) Provides quick and easy attachment for mounting of H-433-S 'Hook' by clamping to a threaded rod from behind.

4.) To install, pull outer tabs outward and position hook and attachment clip assembly such that the teeth within the attachment clip capture within the threads of the rod (by others).

5.) Views for reference - do not scale.

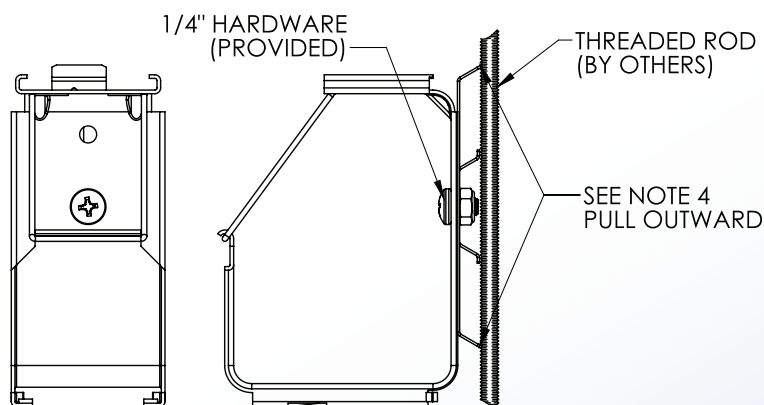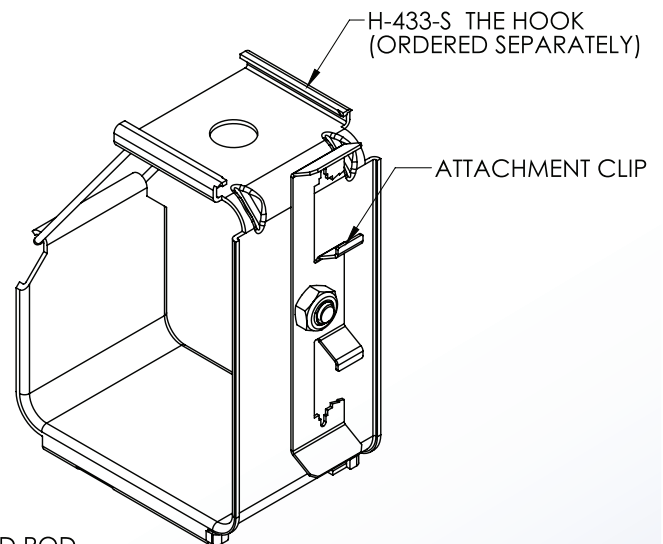.75"

3.91"

∅ .266
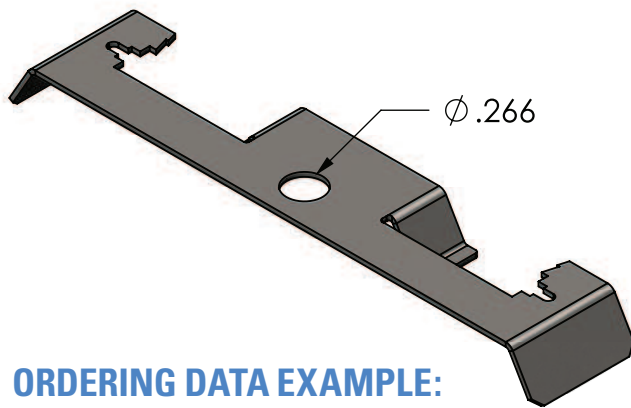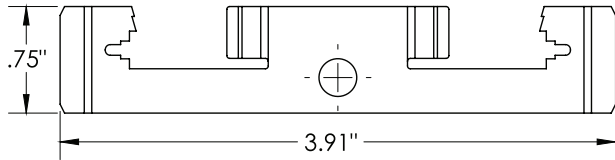
ORDERING DATA EXAMPLE:

H-433-BW X

ROD SIZE
2 = FOR #12 TO 1/4" ROD
6 = FOR 3/8" ROD

H-433-S THE HOOK
(ORDERED SEPARATELY)

ATTACHMENT CLIP

1/4" HARDWARE
(PROVIDED)

THREADED ROD
(BY OTHERS)

SEE NOTE 4
PULL OUTWARD

J-Hook / Steel
H-BCH-18

HAMMER ON BEAM CLAMP FOR THE HOOK

Notes:
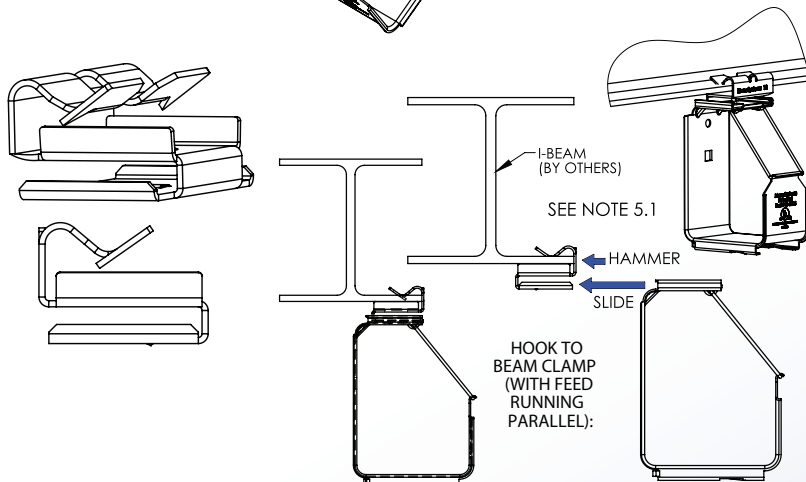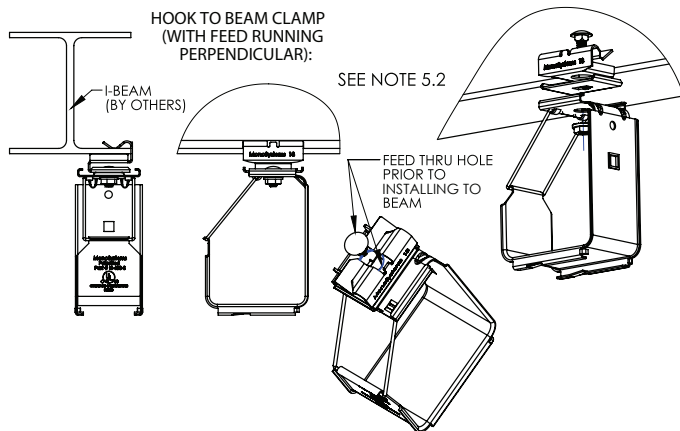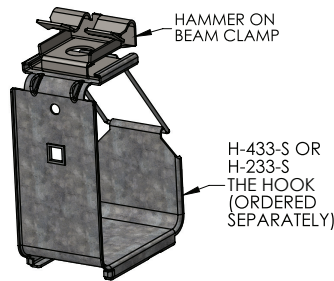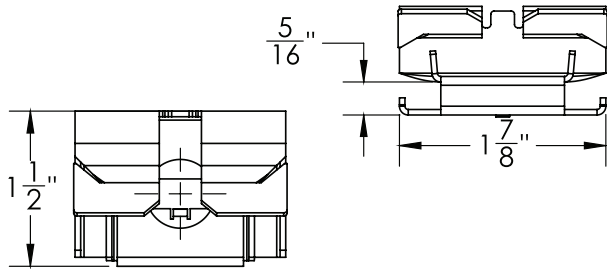
1.) Material: 0.042" Spring steel.

2.) Fits flange thickness as specified above in part number. Static load capacity: 75lbs.

3.) Provides quick and easy attachment for mounting of H-433-S or H-233-S 'hook' by clamping to an I-beam flange or similar.

4.) Views for reference - do not scale.

5.) To Install:

5.1) Hook to beam clamp (with feed running parallel):

- Position beam clamp such that the opening below the tongue slides completely onto the beam mounting flange (by others). Hammer on straight as required.

- Install H-433-S or H-233-S cable hook (ordered separately) to beam clamp by sliding the upper channel of the hook around the tongue of the clamp completely into place.

5.2) Hook to beam clamp (with feed running perpendicular):

- Feed carriage bolt thru clearance hole in clamp

- Position beam clip such that the opening below the tongue slides completely onto the beam mounting flange (by others). Hammer on straight as required.

- Install H-433-S or H-233-S cable hook (ordered separately) to beam clamp by placing hook below bottom-most flange of clamp. Align 1/2" upper hole of hook concentric and feed thread of carriage bolt thru making sure carriage bolt sits flush. Capture threads to the hook using a serrated flanged nut as shown. Note that this orientation may result in a 2° pivot of the hook.

HAMMER ON BEAM CLAMP

H-433-S OR H-233-S THE HOOK (ORDERED SEPARATELY)

HOOK TO BEAM CLAMP (WITH FEED RUNNING PERPENDICULAR):

SEE NOTE 5.2

I-BEAM (BY OTHERS)

FEED THRU HOLE PRIOR TO INSTALLING TO BEAM

I-BEAM (BY OTHERS)

SEE NOTE 5.1

HAMMER

SLIDE

HOOK TO BEAM CLAMP (WITH FEED RUNNING PARALLEL):

ORDERING DATA EXAMPLE:

H- BCH -18

STYLE/ MOUNTING FLANGE THICKNESS

18 = 1/8" TO 1/4"

4 International Drive
Rye Brook, NY 10573
Toll Free: 1 888.764.7681
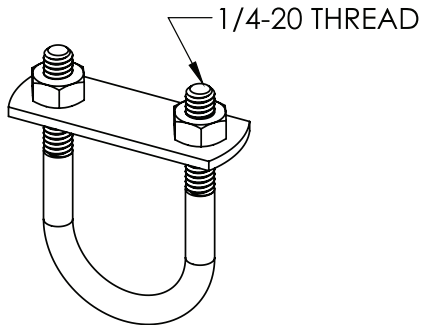Phone: 914.934.2075
Fax: 914.934.2190
MonoSystems.com

MonoSystems™
Expect. Direct.

J-Hook / Steel
H-VPC-XX

1/4-20 THREAD

The Hook™ Accessories

Manufactured by MonoSystems, Inc.

VERTICAL PEDESTAL WRAP-AROUND CLAMP

Notes:

1.) A quick and secure attachment for use with H-233 or H-433 style hooks.

2.) U-bolt material: zinc plated steel. Ordered as each.

3.) Recommended installation:
Feed U-bolt through carriage bolt hole in back of hook. Capture around stanchion or vertical running member and install mounting plate with nuts. Align assembly and tighten nuts using a 7/16 socket or wrench. Tighten until assembly is secure. Recommended torque for 1/4" fasteners: 12 ft-lbs [16.3 N-m].
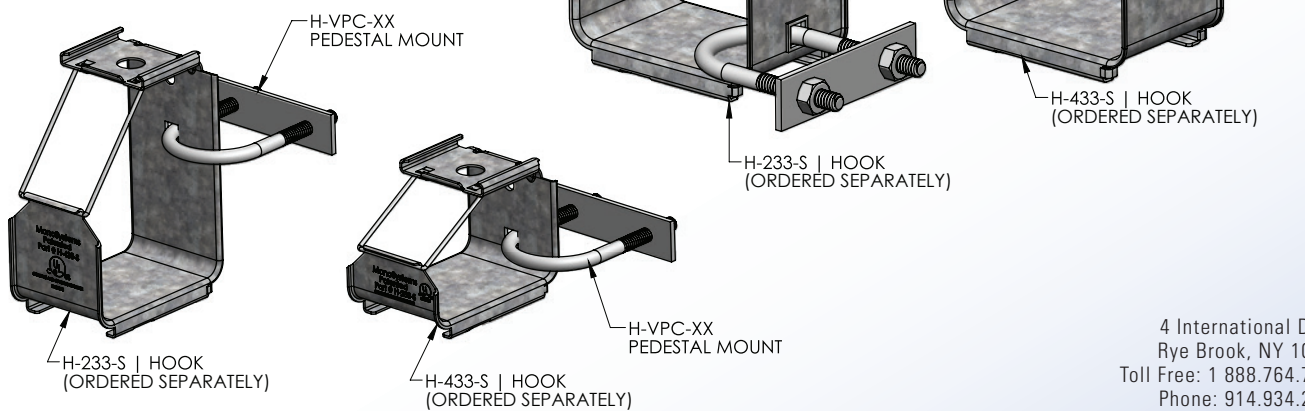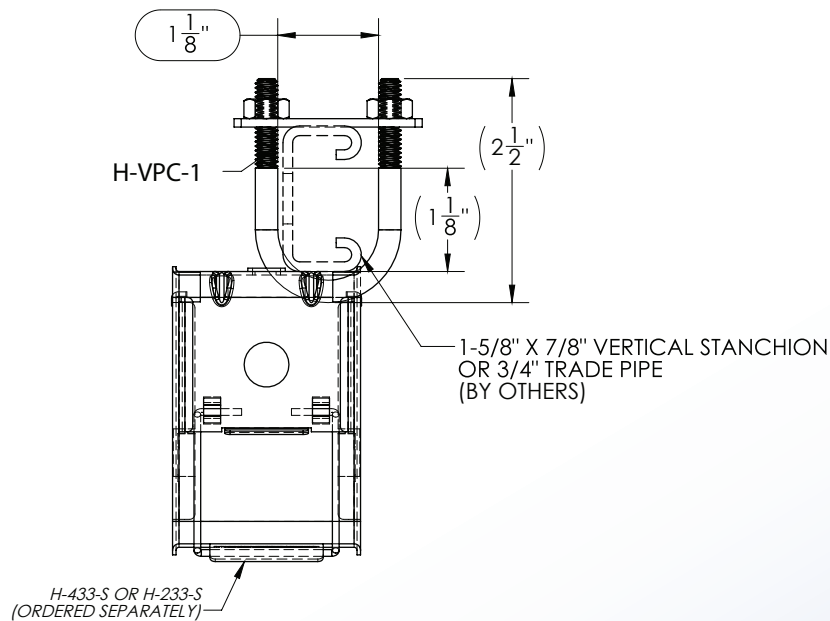
4.) Views for reference - do not scale.

ORDERING DATA EXAMPLE:

H-VPC-XX

1 = 1" 1/4-20 U-BOLT
1.5 = 1.5" I.D. 1/4-20 U-BOLT
*ADDITIONAL OPTIONS AVAILABLE -
SPEAK WITH MONOSYSTEMS

H-VPC-1 SHOWN ABOVE SEE NOTE 3

H-VPC-XX
PEDESTAL MOUNT

H-433-S | HOOK
(ORDERED SEPARATELY)

H-233-S | HOOK
(ORDERED SEPARATELY)

H-VPC-XX
PEDESTAL MOUNT

H-233-S | HOOK
(ORDERED SEPARATELY)

H-433-S | HOOK
(ORDERED SEPARATELY)

MonoSystems™
Expect. Direct.

J-Hook / Steel
H-VPC-XX

1.41"

H-VPC-1.5

(3")

($\frac{7}{8}$")

1" TRADE PIPE
(BY OTHERS)

H-433-S OR H-233-S
(ORDERED SEPARATELY)

(2.10")

(1.48")

($\varnothing$.235)

MonoSystems
Patented
Part # H-433-S
CONDUIT AND CABLE HARDWARE

□.312"

1$\frac{1}{8}$"

H-VPC-1

(2$\frac{1}{2}$")

(1$\frac{1}{8}$")

1-5/8" X 7/8" VERTICAL STANCHION
OR 3/4" TRADE PIPE
(BY OTHERS)

H-433-S OR H-233-S
(ORDERED SEPARATELY)