

# Catalog & Product Installation Guide

**HDMANN**<sup>®</sup>  
cable management system



THE COMPLETE SIMPLE CABLE MANAGEMENT SOLUTION

## PREFACE

For over 20 years HDMANN industry has been providing its customers with the highest quality cable tray from the industries most knowledgeable sales representatives. Our sales team works closely with each customer to custom tailor the perfect cable management solution. With our comprehensive product line and outstanding service designing a system is as easy as ever.

For our wire mesh cable tray, HDMANN metal industry employs the latest technology available for the fabrication of this welded wire mesh cable tray system. This system utilizes high quality mechanical strength wires welded in a 2"X4" grid pattern, producing a strong, versatile, and economical cable support system. For maximum strength, the sides are reinforced with 2, 3, or 4 longitudinal steel wires, depending on the depth.

HDMANN wire mesh cable tray is available in depths of 1.5", 2", 4", and 6" and in a variety of widths ranging from 2" to 24". The standard finish is electroplated zinc after fabrication. A variety of other finishes are also available, including hot-dip galvanized after fabrication as well as a multitude of colors in powder coating. Hdmann wire mesh cable tray is also available in type 304 or 316 stainless steels for extremely corrosive environments.

As with most wire mesh cable tray systems, the fittings can be fabricated in the field. However, to expedite installation, HDMANN offers factory-assembled horizontal fittings. These prefabricated fittings are a time-saving and cost-effective alternative to field-fabricated horizontal fittings. Which enjoy great reputation during more than 20 countries over the world.

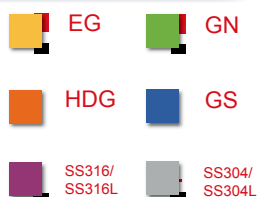




# MESH CABLE TRAY

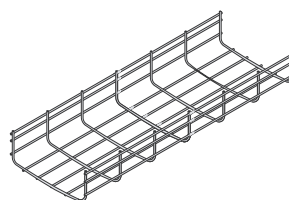
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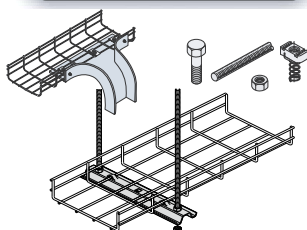
Pages 1- 2

### Straight Sections



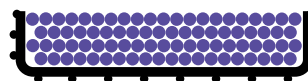
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### Accessories



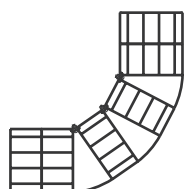
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### Loading information



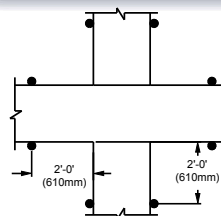
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### Installation information



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### Recommended Support Locations

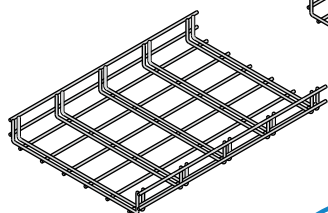


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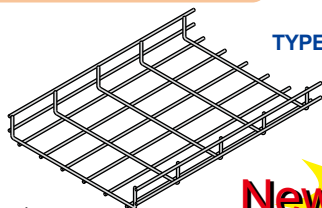
Headmann's Wire Basket Cable Tray Systems are produced from ASTM A510 high strength steel wires. A fully automated welding process produces continuous wire mesh, which is formed into our Wire Basket System. The standard 2" x 4" (50 x100 mm) wire mesh pattern is designed for maximum flexibility, allowing for easy field cutting, bending, assembly and convenient cable drop outs. Fast - Adaptable - Economical

## Wire Basket Cable Tray Systems

TYPE-A

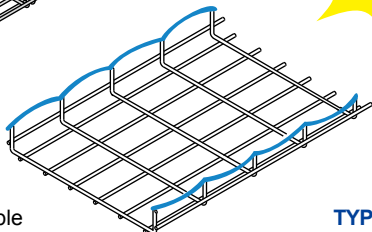


TYPE-B



**New design!**

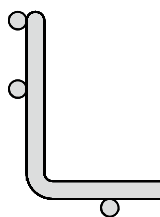
TYPE-D



The two type of designs can be available above. Our new generation cable support system is adaptable for today's cabling requirements and is sized and finished to match industry standards with more loading capability. HDMANN'S Wire Basket System provides the necessary cable support while allowing unmatched field installation adaptability. Pre-packaged installation kits and accessory options strengthen this new system's advantages and flexibility, a new concept for today's demanding requirements.

Standard finish : Electrical galvanised ,Electrial galvanised with nickel treatment ,costom powder coated ,Hot dipped galvanised, SS304 , SS316.

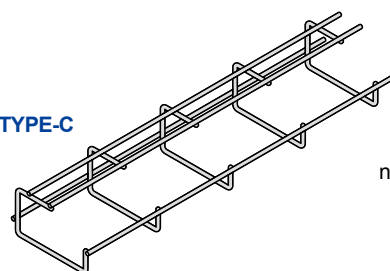
## Construction



Our patented rounded wire ends are designed for the safety of cables and installers. Along the cable tray sides unique rounded end which provides unique rounded end which provides for safe handling and protects cables straight top wire design maximizes the rigidity of the system, provides higher strengths, and better the system, provides higher strengths, and better strength to weight ratios than systems with "bent" top wire designs.

## Snap Mount Wire Basket







TYPE-C







The Snap Mount Wire Basket attaches directly to ceilings, racks, walls and other equipment. It is ideally suited for support of local area networks and telecom cables.






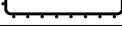
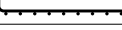
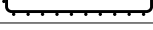
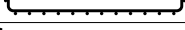
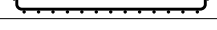

## Finishes





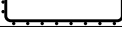

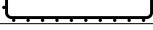


The surface coating provides protection against corrosion and is an important part of Hdmann's Wire Basket System and accessories. Standard finishes are indicated on each catalog page and consist of one of the following:




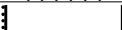


Suffix	Finish	Specification	Use
 <b>EG</b>	Electroplated Zinc Galvanizing Finish applied after fabrication	ASTM B633 Avg. thickness of 0.7 mils (18 microns) to 0.8 mils (20 microns)	Controlled interior applications
 <b>GN</b>	Zinc and nickel protection	ASTM B633 Avg. thickness of 0.8 mils (19 microns) to 0.9 mils (22 microns)	Controlled interior applications
 <b>GS</b>	Pre-Galvanized Finish applied before fabrication	ASTM A641	Exterior, corrosive applications
 <b>HDG</b>	Hot Dip Galvanized Finish applied after fabrication	ASTM A123 Avg. thickness of 2.4 mils (60 microns) to 3.2 mils (80 microns)	Exterior, corrosive applications
 <b>SS304/SS304L</b>	304/304L Stainless Steel	ASTM A580	Food preparation, wash-down areas
 <b>SS316/SS316L</b>	316/316L Stainless Steel	ASTM A580	Highly corrosive applications & marine environments

## TRAY SIZES

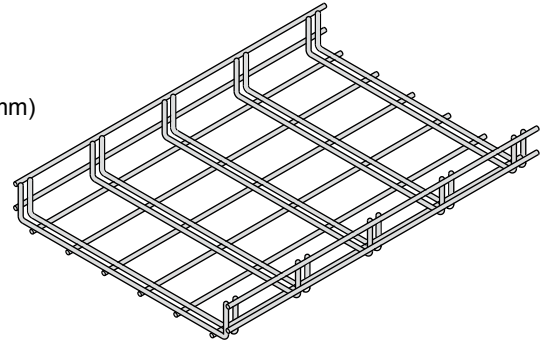
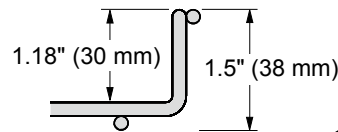
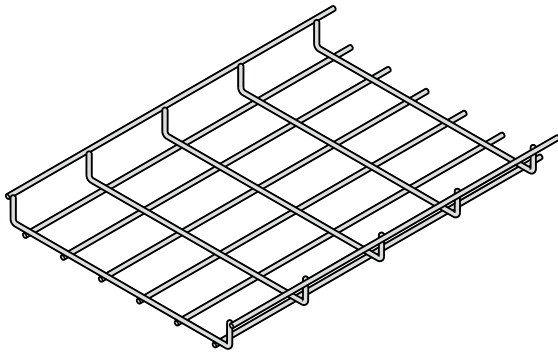
		DEPTH	WIDTH	LENGTH	WEIGHT
WB1.5X4X10		1.5"	4"	10'	5.8 lbs
WB1.5X6X10		1.5"	6"	10'	7.4 lbs
WB1.5X8X10		1.5"	8"	10'	9 lbs
WB1.5X12X10		1.5"	12"	10'	12.1 lbs

Part		DEPTH	WIDTH	LENGTH	WEIGHT
WB2X2X10		2"	2"	10'	6.8lbs
WB2X4X10		2"	4"	10'	8.6lbs
WB2X6X10		2"	6"	10'	10.2lbs
WB2X8X10		2"	8"	10'	11.8lbs
WB2X12X10		2"	12"	10'	15lbs
WB2X16X10		2"	16"	10'	23lbs
WB2X18X10		2"	18"	10'	25lbs
WB2X20X10		2"	20"	10'	27lbs
WB2X24X10		2"	24"	10'	31lbs
★WB2X30X10		2"	30"	10'	37.5lbs
★WB2X32X10		2"	32"	10'	39lbs

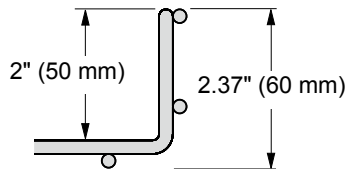
Part		DEPTH	WIDTH	LENGTH	WEIGHT
WB4X4X10		4"	4"	10'	11.8 lbs
WB4X6X10		4"	6"	10'	12.8 lbs
WB4X8X10		4"	8"	10'	15 lbs
WB4X12X10		4"	12"	10'	23 lbs
WB4X16X10		4"	16"	10'	27 lbs
WB4X18X10		4"	18"	10'	29 lbs
WB4X20X10		4"	20"	10'	31 lbs
WB4X24X10		4"	24"	10'	35 lbs
★WB2X30X10		4"	30"	10'	41 lbs

Part		DEPTH	WIDTH	LENGTH	WEIGHT
WB6X8X10		6"	8"	10'	23 lbs
WB6X12X10		6"	12"	10'	27 lbs
WB6X16X10		6"	16"	10'	31 lbs
WB6X18X10		6"	18"	10'	33 lbs
WB6X20X10		6"	20"	10'	35 lbs
WB6X24X10		6"	24"	10'	39 lbs

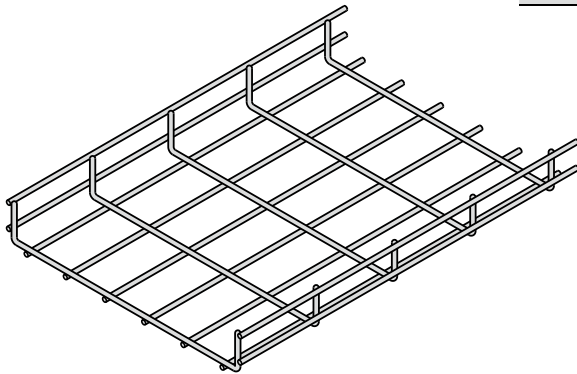
## WB100 Series Wire Basket System



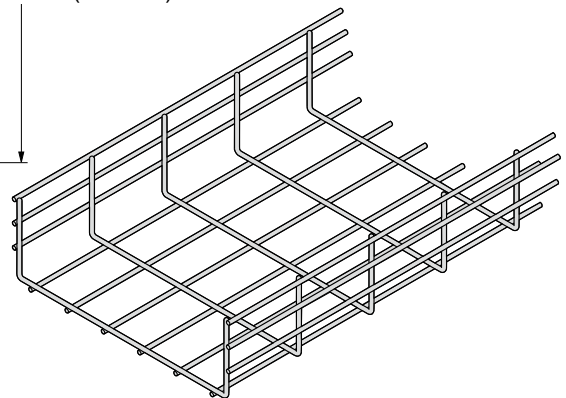
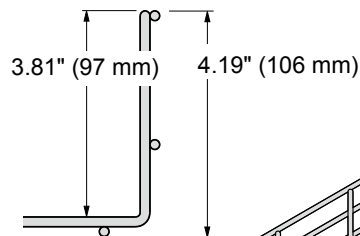
## WB200 Series Wire Basket System



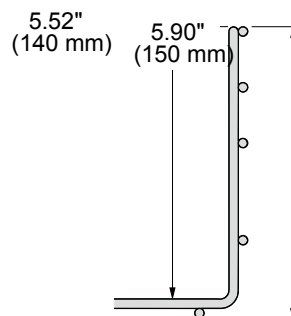
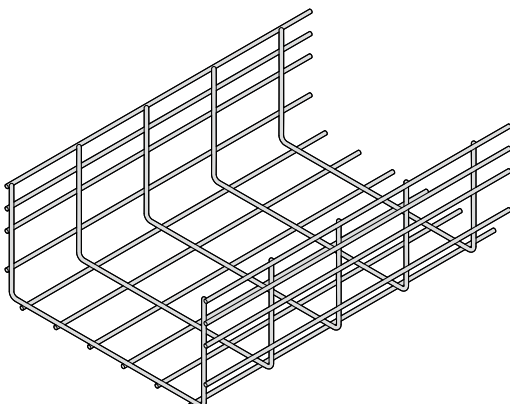
Type A: Single rung wire mesh cable tray  
Type B: Double rung wire mesh cable tray are available  
Wire Dia.: 2" - 12" wide (50 mm - 300 mm) .166" (4.2mm),  
16" - 32" wide (400 mm - 800 mm) .195" (5.0 mm)  
Standard Finish: Zinc Plated, (Other finishes available see page WB-3.)



## WB400 Series Wire Basket System

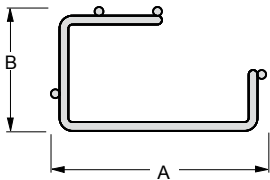


## WB600 Series Wire Basket System

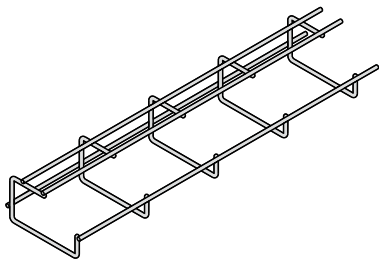


**BS504 Series Snap Mount Wire System**

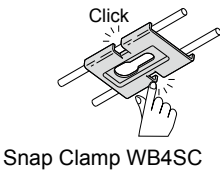
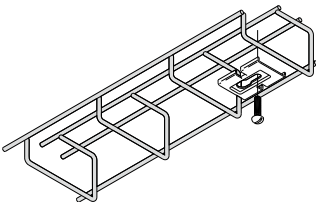
Snap Mount Wire System attaches directly to ceilings, walls and equipment racks without brackets. Attach with WB4SC Snap Clamps. Ideally suited for support of local area networks and telecom cables.



Part Number	A		B		Wt. Per Pc.	
	in.	mm	in.	mm	lbs.	kg
● <b>WB504</b>	4.3	110	2.5	63	1.76	.8



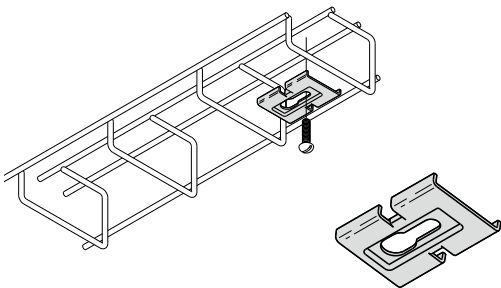
Height: 2.5" (63 mm)  
Length: 78" (2 meter)  
Wire Dia.: 173" (4.4 mm)  
Standard Finish: Zinc Plated



Snap Clamp WB4SC

**Wire Basket - Accessories**

**Snap Clamp**



Finish: Zinc Plated

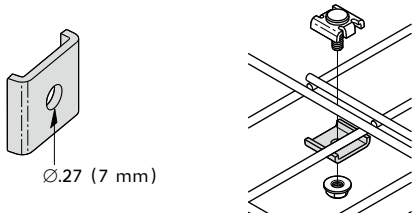
Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB4SC</b>	11.0	5.0	25

Snap Clamp is designed for quick attachment of Series WB504 Snap Mount Wire Basket to ceilings, racks, walls and other equipment. Secure with 1/4" hardware (not included).

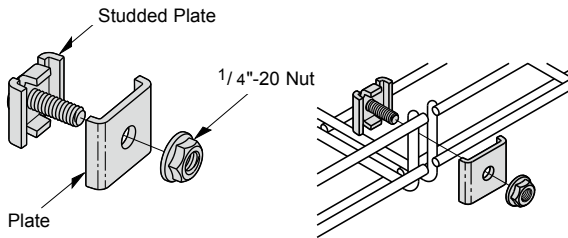


Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB4CA</b>	4.9	2.2	50

Patented welded stud plate is designed for ease of installation and is the most widely used method for assembly of Wire Basket Systems. Use to connect two straight sections and to assemble horizontal fittings.



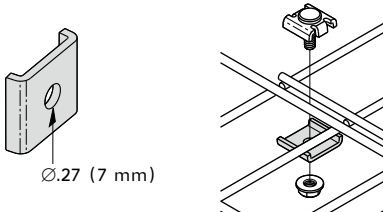
## Connector Assembly



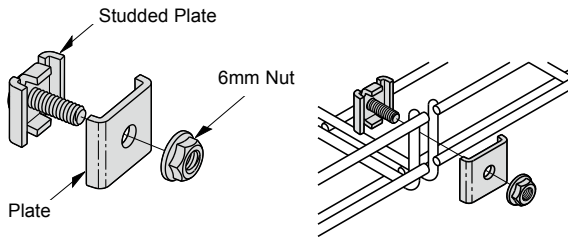
Finish: Zinc Plated

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WBM6CASS4</b>	4.9	2.2	50

Patented welded stud plate is designed for ease of installation and is the most widely used method for assembly of Wire Basket Systems. Use to connect two straight sections and to assemble horizontal fittings.

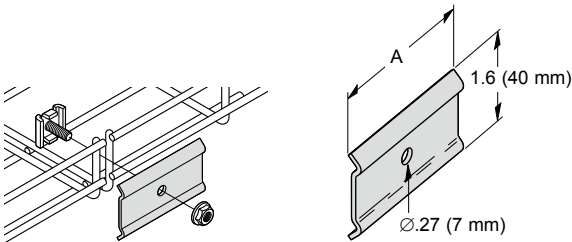


## Connector Assembly



Finish: Stainless Steel Type 304

## Splice Plate (Hardware Not Included)



Finish: Zinc Plated  
Stocked in Stainless Steel

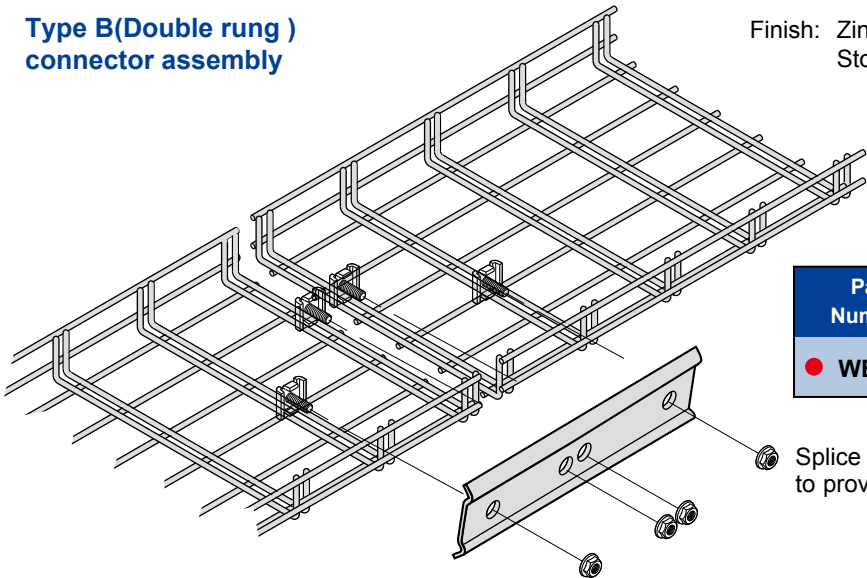
Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB4SP</b>	2.7	70	12.2	5.5	50

Splice Plate is designed for use with Clamp Assembly (WB4CP) to provide added stability of splice connections. Use with Series 200, 400 and 600 Wire Basket Systems.

Splice Plate (Hardware Not Included)

Type B(Double rung )  
connector assembly

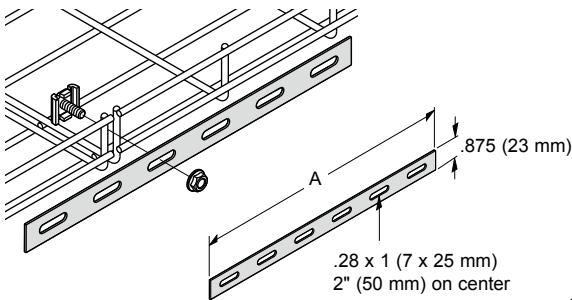
Finish: Zinc Plated  
Stocked in Stainless Steel



Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB4SP</b>	2.7	70	12.2	5.5	50

Splice Plate is designed for use with Clamp Assembly (WB4CP) to provide added stability of splice connections.

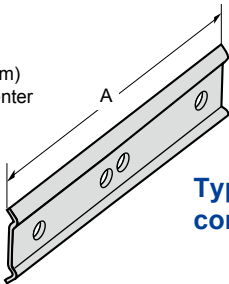
Splice Bar



Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB12SB</b>	11.8	300	13.4	6.1	50

Splice Bars are designed for use with Clamp Assembly (WB4CP) to provide extra stability of splice connections.

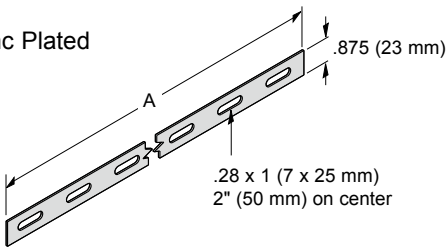
Finish: Zinc Plated  
Stocked in Stainless Steel



Type B(Double rung )  
connector assembly is also available

Splice Bar (Only)

Finish: Zinc Plated



Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB43SB</b>	43.4	1102	50.1	22.7	1

WB43SB long Splice Bar is used for assembly of large radius horizontal bends or field cut into short splice bars. Splice Bars are designed for use with Clamp Assembly (WB4CP)

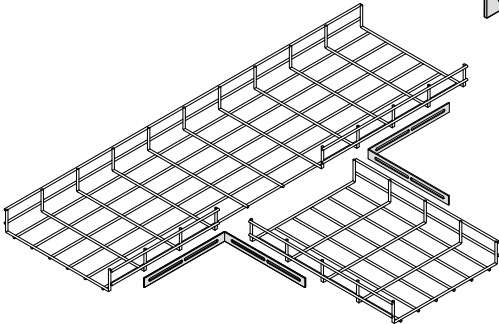
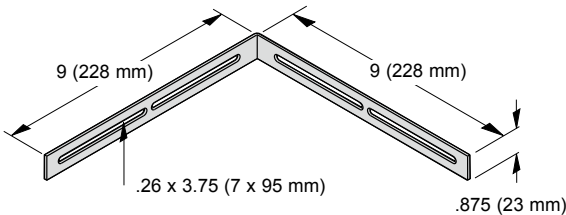
Tee Bar (Only)

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB9TB</b>	43.8	19.9	10

Use to make Horizontal Tee Fittings. Sold individually without hardware.

To complete HT, use:

- 2 - WB9TB
- 8 - WB4CP (order separately)

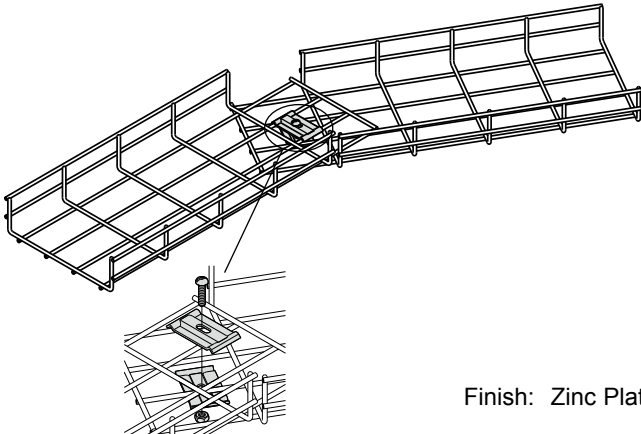
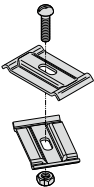


Finish: Pre-Galvanized Zinc

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB4HAK</b>	16.2	7.3	10

Horizontal Adjustable Kit

This conveniently poly-bagged horizontal adjustable kit can be used to create horizontal angles from prepared wire basket straight sections.



Finish: Zinc Plated

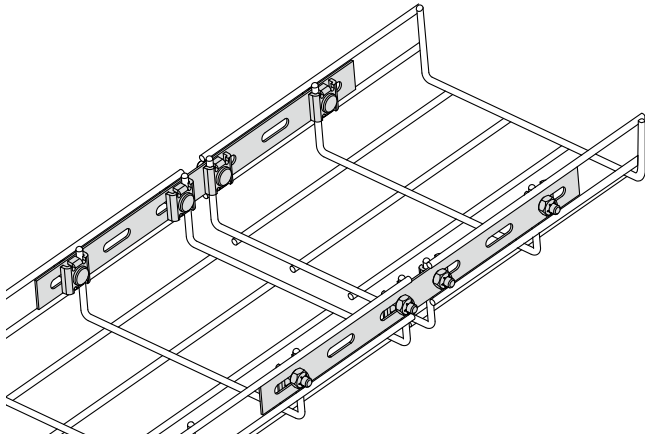
- Kit allows 13/ 4" (44 mm) expansion between two pieces of wire basket

Includes: Two WB12SB and Hardware

Finish: Zinc Plated

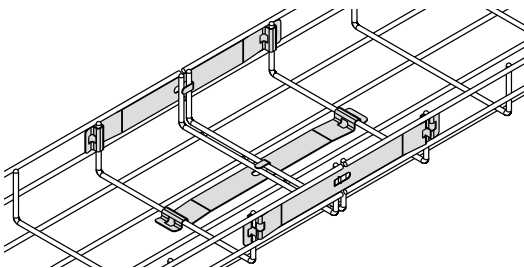
Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB4ESK</b>	53.2	24.1	5

Expansion Splice Kit



Stocked in Stainless Steel

Tab-Loc Connector



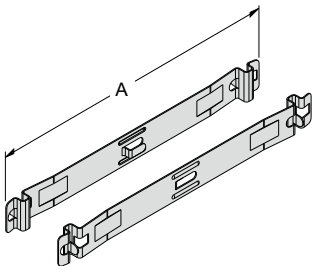
Finish: Zinc Plated

Application Requirements  
For WB200 Series, WB400 Series  
and WB600 Series

The recommendations listed are equal for all depths  
(except as noted).

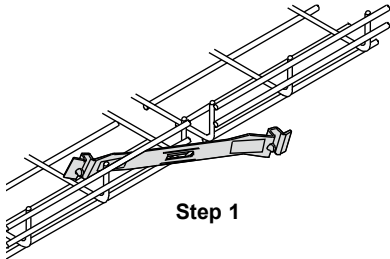
NOTE : UL Classification refers to the NEC 392-7(b)(4)  
which requires by definition, a bolted mechanical  
connection.

Part Number	A in.	A mm	Wt. Per 100 lbs.	Wt. Per 100 kg	Box Quantity
● WB-TLC	9.29	236	16.5	7.5	50

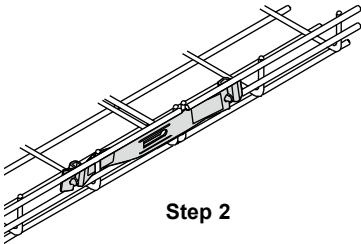


Widths	Available Depths	Side Splice	Bottom Splice
02	2"	2	N/A
04	2" & 4"	2	1
06	2"	2	1
08	2" & 4"	2	1
12	2", 4" & 6"	2	1
18	2", 4" & 6"	2	2
20	6"	2	2
21	2" & 4"	2	2
24	2", 4" & 6"	2	2

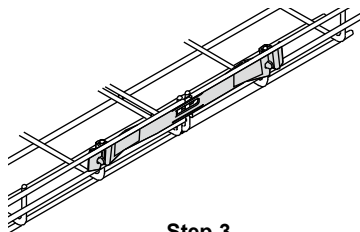
Installation



Step 1

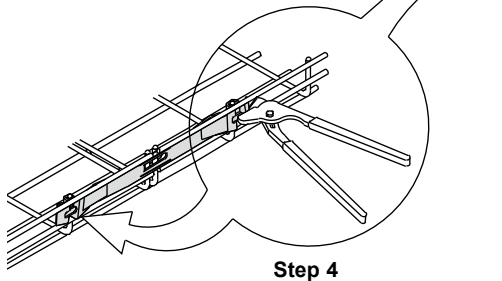


Step 2

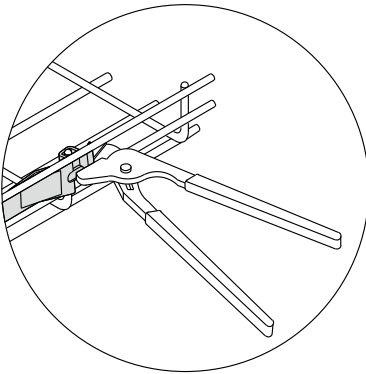


Step 3

Tab-Loc security without  
special tools.

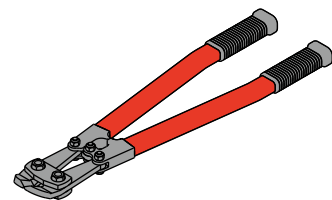


Step 4

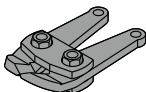


Screw-driver can also be used to  
bend tab-locs (hold connector  
ends while bending).

Angular Bolt Cutter WB30BC

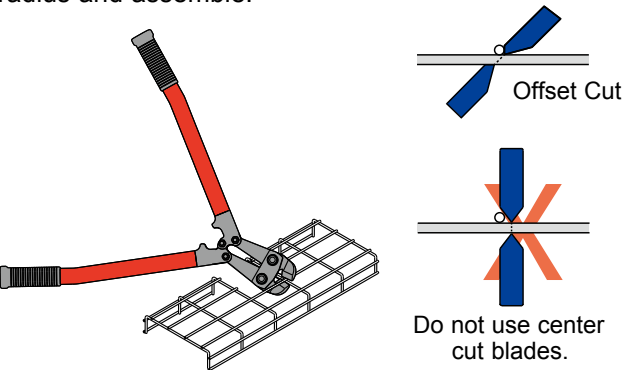


**WB30BC**  
Angular Bolt Cutter



**WB30RB**  
Replacement Blade

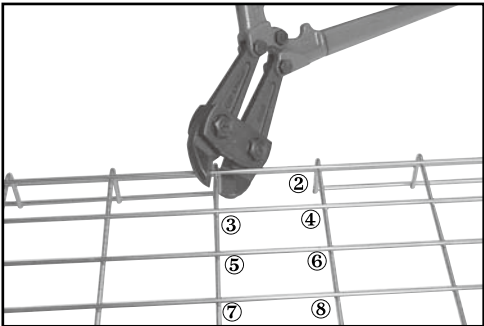
Completely adaptable, HDMANN'S Wire Basket System is designed to accommodate jobsite changes. Straight sections can be modified to produce bends, tees, crosses or reducers. Simply follow illustrated procedures on pages WB-31 through WB-35 for cutting, bending and assembly. Cut wires with HDMANN'S Angular Bolt Cutter, bend top referred radius and assemble.



For the best results, use a WB30BC Angular Blade Offset Bolt Cutter with 24" (600 mm) long handles. The Offset Blade Cutter produces a clean cut. Position bolt cutter blades near the cross wire and perpendicular to wire to be cut (see illustration below). Proper cut will make the assembly faster, easier and safer while minimizing grinding.

Part Number	Size		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB30BC</b>	24	600	6.8	3.1	1
● <b>WB30RB</b>	-	-	1.3	.6	1

Cut and remove each wire as illustrated below. Follow cutting pattern and blade positioning. Placing Wire Basket open side down provides the optimum cutting angle.



Cutting Order

Illustrations (refer to pages WB-31 through WB-35) show some of the many possible methods for the cutting and assembly of bends, reducers, tees and crosses. Recommended cuttings are intended as a guide only. Actual field conditions may require slight modifications.

HDMANN'S Wire Basket is designed with total flexibility and offers unlimited job site adjustment. Wire Basket is adaptable to assist you in solving unexpected job site conditions.

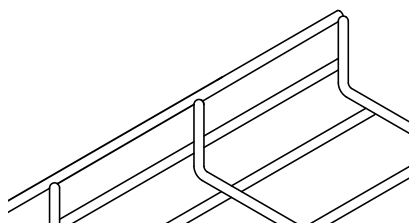
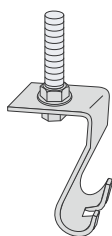


Part Number	Length		Wt. Per Cutter		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB50WC</b>	12 <sup>3</sup> / <sub>4</sub>	325	3.0	1.3	1

The Greenlee cable wire cutter makes flush cuts without burrs. Will cut .191" diameter wire in 2 seconds. Cutting head rotates 330° for ease of positioning and the tool automatically retracts when cut is complete. Comes with 2 batteries, charger and carrying case. Approximately 250 cuts per charge.

Part Number	Description	Box Quantity
● <b>WB50RB</b>	Replacement Blade	1
● <b>WB50BA</b>	Replacement Battery	1

## Overhead Hanger Clip

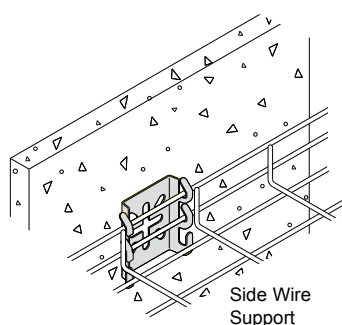
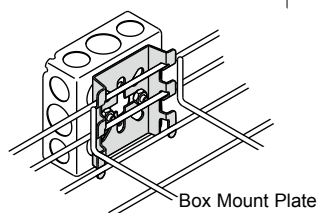
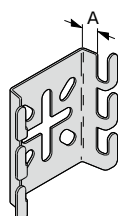


Finish: Zinc Plated  
Stocked in Stainless Steel

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB46H</b>	10.4	4.7	50

Accommodates 1/4" and 3/8" rod sizes. Installs quickly with a screwdriver or pliers thus reducing installation time. Requires only one hex nut (not included) to hang and level the wire basket. Retainer tabs can be bent over to lock-in the threaded rod and wire basket.

## Wall Bracket and Box Mount Plate

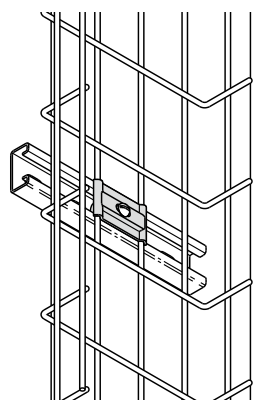
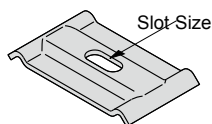


Finish: Pre-Galvanized Zinc

Part Number	A in.	mm	Wt. Per 100 lbs.      kg		Box Quantity
● WB4WB	55	14	22.0	10.0	25

- Designed for wall attachment of 2", 4" and up to 6" (50, 100, 150 mm) wide wire baskets. Bend tabs to secure. Wall mounting hole patterns provided in bracket for up to 1/4" hardware. Wall mount hardware not included.
- Designed for attachment of equipment to Wire Basket System. Hole patterns provided for up to 1/4" hardware.

## Hold Down Plate



Finish: Zinc Plated

Part Number	Slot Size		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● WB4HD	.28 x .55	7 x 14	7.3	3.3	50

Designed to secure Wire Basket System to Wall Brackets and Trapeze Kit.

To complete 1/4" Hold Down Plate assembly, use:

- 1 - WB4HD 1/4" Hold Down Plate
- 1 - SRHMS 1/4"-20 x 1" Machine Screw (order separately)
- 1 - HN 1/4"-20 Hex Nut or N524WO channel nut (order separately)

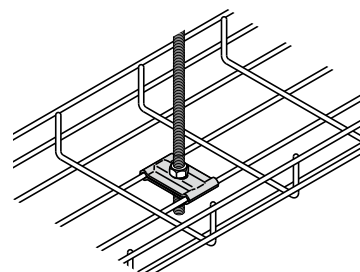
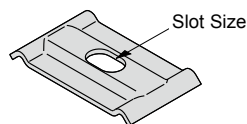


Part Number	Slot Size in. mm	Wt. Per 100 lbs. kg	Box Quantity
● <b>WB6CH</b>	.40 x .70 10 x 18	7.1 3.2	50

Designed to support 4" and 6" wide Wire Basket System for 3/8" threaded rod. Order threaded rod separately. To protect cables use threaded rod protector. Optional ATR stiffener

To complete 3/8" Center Hanger assembly, use:

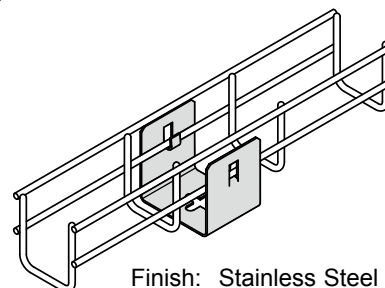
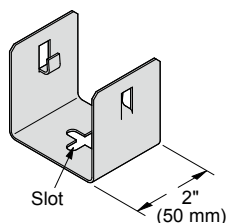
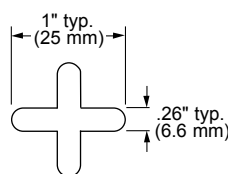
- 2 - WB6CH 3/8" Center Hangers
- 2 - HN 3/8"-16 Hex Nuts (order separately)



Finish: Zinc Plated  
Stocked in Stainless Steel

Part Number	Wt. Per 100 lbs. kg	Box Quantity
● <b>WB202MB SS4</b>	21 9.5	10

Designed to support WB202 Wire Basket. Click tabs for wire basket attachment. See page WB-18 for Click Hanger instructions. Use 1/4" hardware and washer to mount bracket (not included).



Finish: Stainless Steel 304

Part Number	System Width in. mm	Channel Length in. mm	Wt. Per Pc. lbs. kg	Box Quantity
● <b>WB5308</b>	8 200	11.5 292	.9 .4	1
● <b>WB5312</b>	12 300	13.8 350	1.8 .8	1

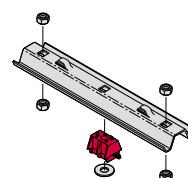
Click hanger design, no wire basket attachment hardware required. See page WB-18 for Click Hanger instructions. Engineered and supplied in kit form to install as a center hung or trapeze hanger.

Supplied with 1 security plug, 1 washer and 4 - 3/8"-16 hex nuts.

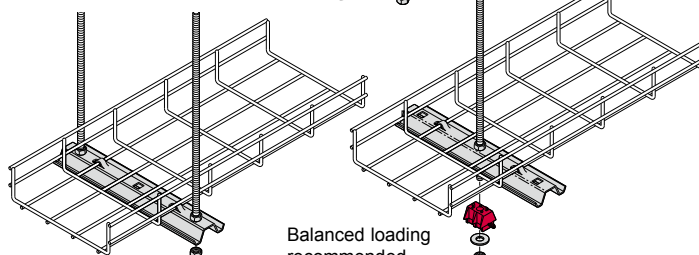
Optional ATR stiffener

To protect cables use threaded rod protector.

## Click Hanger Center Hanger/Trapeze Kits



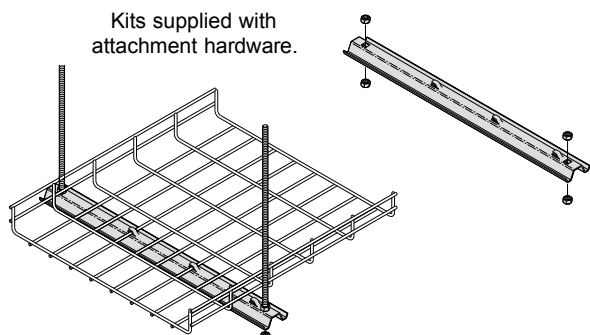
Kits supplied with attachment hardware.



Balanced loading recommended

Finish: Pre-Galvanized Zinc

## Click Hanger Trapeze Kits



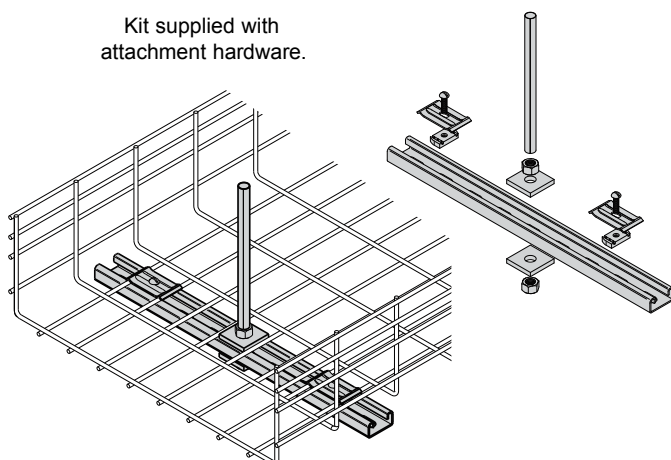
Finish: Pre-Galvanized Zinc

Part Number	System Width		Channel Length		Wt. Per Pc.		Box Quantity
	in.	mm	in.	mm	lbs.	kg	
● <b>WB5318</b>	18	450	21.7	550	2.5	1.1	1
● <b>WB5324</b>	†	†	25.6	650	3.0	1.4	1

† For 20" (500 mm), 21" (525 mm), and 24" (600 mm)

Click hanger design, no wire basket attachment hardware required. See page WB-18 for Click Hanger instructions. Engineered and supplied in kit form to install as a trapeze hanger. Supplied with 4 - 3/8" hex nuts.

## Heavy Duty Center Hung Support Kit



Finish: Zinc Plated

Part Number	Channel Length		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB5518CH</b>	18	457	2.2	1.0	1

Designed for 1/2" ATR. Channel length of 18" supports 12, 18, 20, 21, and 24 inch Wire Basket Systems. Protection sleeve for ATR to prevent damage to cables 1/2" ATR attachment hardware provided.

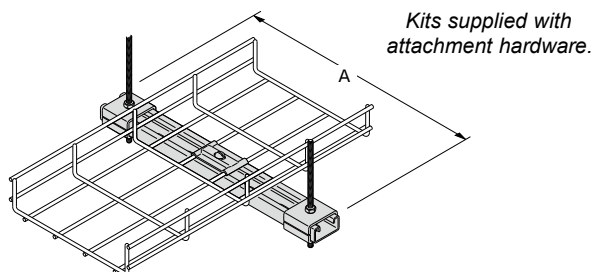
Wire Basket mounting attachment hardware provided. Optional ATR stiffener (see page WB-36).

Heavy Duty Center Hung Support assembly includes:

- 1 - B3011/2x8 Threaded Rod Protector
- 2 - B202 Square Washers
- 2 - HN 1/2"-13 Hex Nuts
- 2 - N224WO, 1/4"-20 Channel Nuts (no spring)
- 2 - SRHMS 1/4"-20 x 1" Machine Screws
- 2 - WB4HD Hold Down Plates
- 1 - B54SH Channel, 18" long

## Trapeze Support Kits

Trapeze Support Kit includes all components required for single trapeze support in one package. Designed for use with 1/4" ATR. Also available for 3/8" ATR, add -3/8 suffix to part number. Order threaded rod separately.



Finish: Channel: Pre-Galvanized Zinc  
Other components: Zinc Plated

Part Number	System Width		A		Wt. Per Pc.		Box Quantity
	in.	mm	in.	mm	lbs.	kg	
● <b>WB5506</b>	6	150	10	250	1.6	.73	1
● <b>WB5508</b>	8	200	12	200	1.7	.77	1
● <b>WB5512</b>	12	300	16	400	2.0	.91	1
● <b>WB5518</b>	18	450	22	560	2.5	1.13	1
● <b>WB5524</b>	†	†	28	710	2.9	1.32	1

† For 20" (500 mm), 21" (525 mm), and 24" (600 mm)

Trapeze Kit for 1/4" ATR includes:

- 4 - B450-1/4" U-Washers
- 4 - HN 1/4"-20 Hex Nuts
- 1 - WB4HD Hold Down Plate
- 1 - FN224 1/4"-20 EZ Twirl Nut
- 1 - SRHMS 1/4"-20 x 1" Machine Screw
- 1 - B54SH Channel

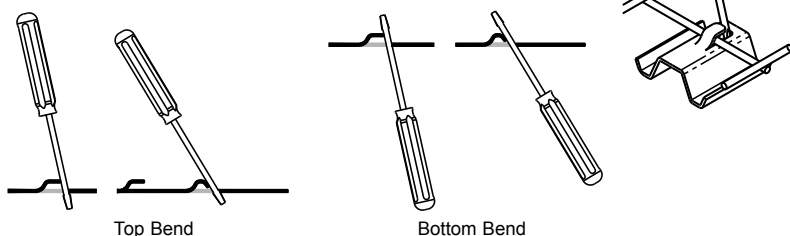
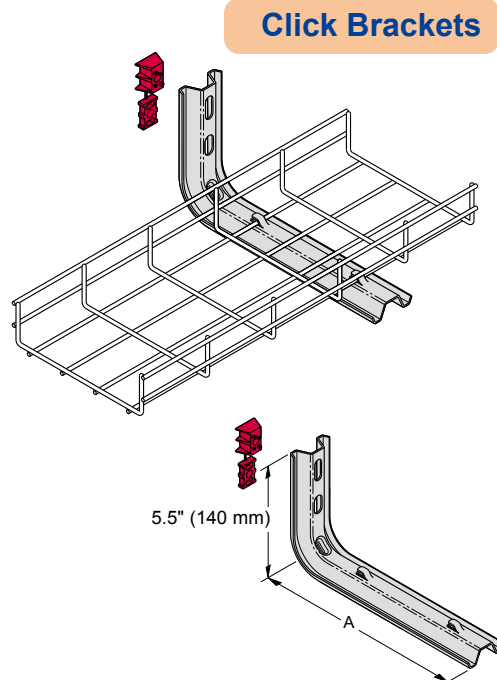
Trapeze Kit for 3/8" ATR add -3/8" suffix, includes:

- 4 - B450-3/8" U-Washers
- 4 - HN 3/8"-16 Hex Nuts
- 1 - WB4HD Hold Down Plate
- 1 - FN224 1/4"-20 EZ Twirl Nut
- 1 - SRHMS 1/4"-20 x 1" Machine Screw
- 1 - B54SH Channel



Part Number	System Width		A		Wt. Per Pc.		Load Capacity		Box Qty.
	in.	mm	in.	mm	lbs.	kg	lbs.	kN	
● <b>WB506CB</b>	4	100	6	150	.56	.25	140	0.62	1
● <b>WB508CB</b>	6	150	8	200	.66	.30	100	0.44	1
● <b>WB510CB</b>	8	200	10	250	1.05	.47	100	0.44	1
● <b>WB514CB</b>	12	300	14	350	1.25	.57	100	0.44	1

Install directly to a wall or in combination with Support Bracket. Click Brackets are designed for fast and economical support of Wire Basket System. Simply position Wire Basket on the Click Bracket and lock into position with flat blade screwdriver as illustrated. Designed for  $\frac{3}{8}$ " mounting hardware (not included). Security plug provided for wall mounting or strut channel mounting. Load Capacity Safety Factor of 3.

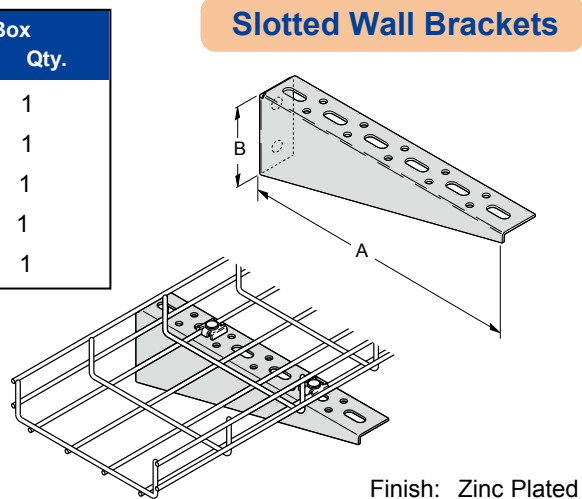


Finish: Pre-Galvanized Zinc

Part Number	A		B		Wt. Per Pc.		Load Cap.		Box Qty.
	in.	mm	in.	mm	lbs.	kg	lbs.	kN	
● <b>B199-6</b>	6	150	1.94	50	.58	.26	225	1.00	1
● <b>B199-8</b>	8	200	3.30	84	.82	.37	225	1.00	1
● <b>B199-12</b>	12	300	3.44	88	1.03	.47	350	1.55	1
● <b>B199-18</b>	18	450	4.94	126	2.32	1.05	250	1.11	1
● <b>B199-24</b>	†	†	6.44	164	3.70	1.68	225	1.00	1

† For 20" (500 mm), 22" (550 mm), and 24" (600 mm)

Adjustable bracket to optimize wire basket positioning. Attach directly to a wall or HDMANN'S channels with  $\frac{1}{2}$ " hardware. Use WB4CP Clamp Assemblies to secure Wire Basket System to the bracket. Order hardware separately. Load Capacity Safety Factor of 3.



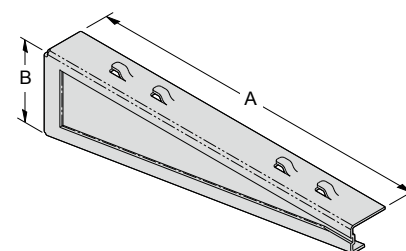
Finish: Zinc Plated

Part Number	System Width		A		B		Wt. Per Pc.		Load Capacity		Box Qty.
	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kN	
● <b>WB5108</b>	8	200	9.8	250	3.5	87	.97	.44	215	0.95	1
● <b>WB5112</b>	12	300	13.8	350	3.5	87	1.32	.60	156	0.69	1
● <b>WB5118</b>	18	450	19.7	500	5.0	125	2.43	1.00	197	0.87	1
● <b>WB5124</b>	†	†	25.6	650	5.0	125	2.87	1.30	180	0.80	1

† For 20" (500 mm), 22" (550 mm), and 24" (600 mm)

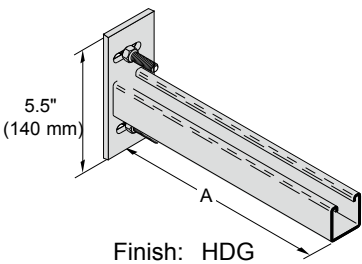
Wall bracket for up to 24 inch wide systems. Two wall attachment holes provided for  $\frac{3}{8}$ " hardware. Wall mount hardware not provided. Load Capacity Safety Factor of 3.

## Reinforced Click Bracket



Finish: Zinc Plated

Support Brackets



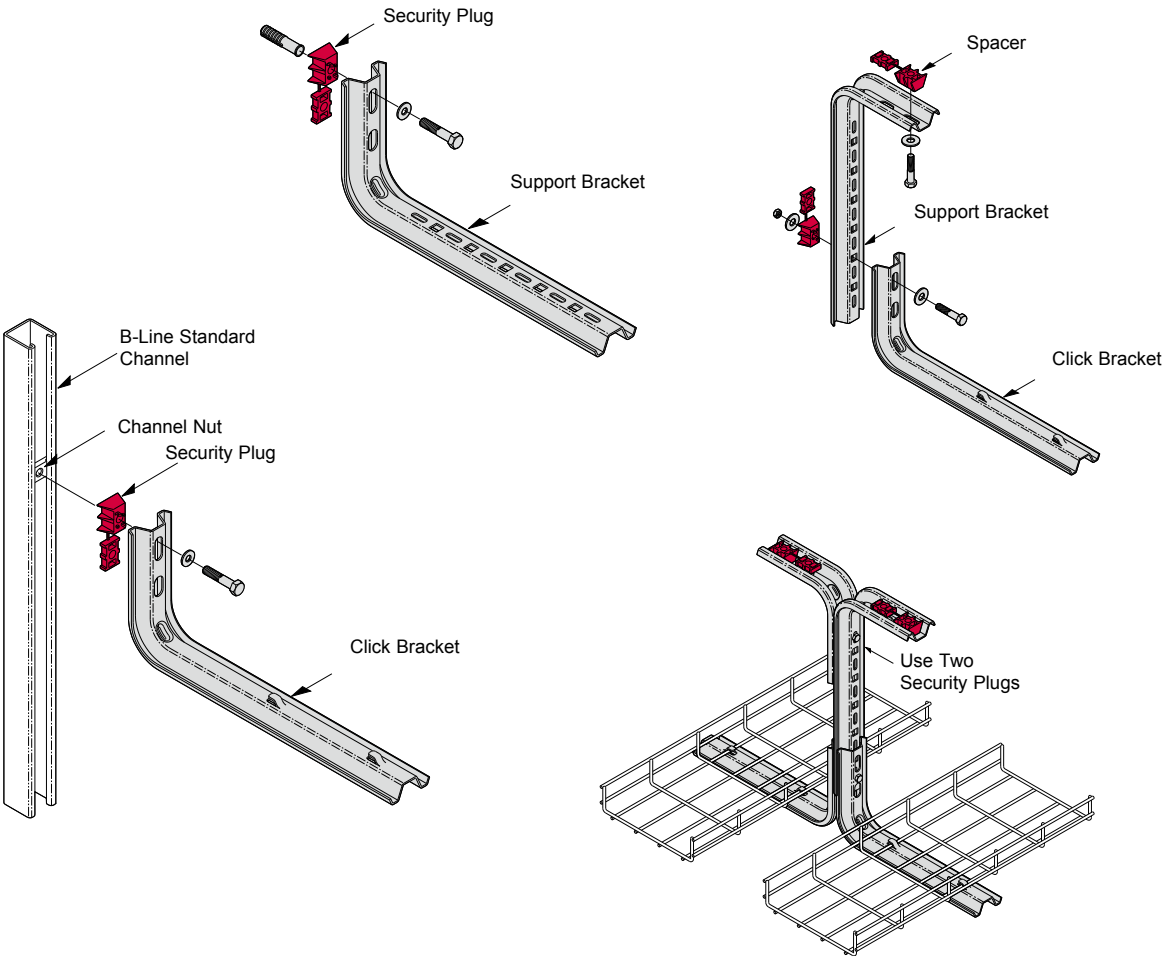
Part Number	Usable Width		A		Wt. Per Pc.		Load Capacity		Box Qty.
	in.	mm	in.	mm	lbs.	kg	lbs.	kN	
● <b>WB506SB</b>	4	100	6	150	.56	.25	140	0.62	1
● <b>WB508SB</b>	6	150	8	200	.66	.30	100	0.45	1
● <b>WB510SB</b>	8	200	10	250	1.05	.47	100	0.45	1
● <b>WB514SB</b>	12	300	14	350	1.25	.57	100	0.45	1

Install Support Bracket directly to the wall or in combination with Click Bracket. Install with 3/8" hardware. Security plug provided for wall mounting or strut channel mounting. Mounting hardware not provided. (See installation illustration below.) Load Capacity Safety Factor of 3.

Finish: Pre-Galvanized Zinc

Support and Click Brackets  
Installation Details

Brackets can be mounted directly to a wall or used in combination as illustrated. When installing two brackets back-to-back, use two Security Plugs. Order brackets and hardware separately.

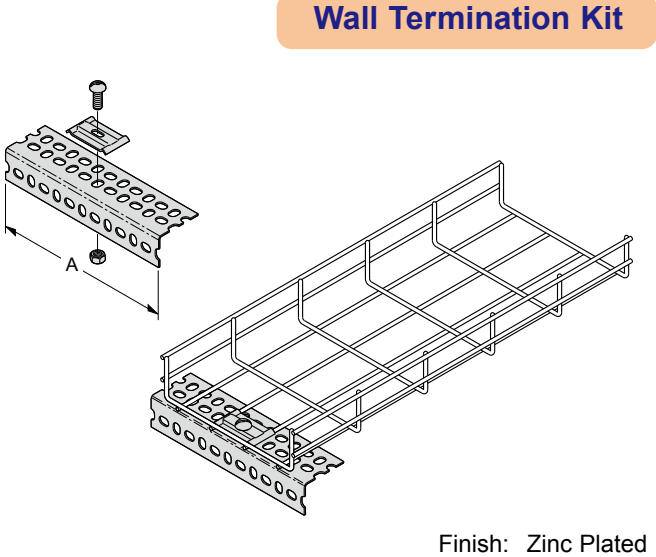


Part Number	A		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WBWTK</b>	9	229	1.3	.590	1

Kit includes all hardware necessary to support wire basket system when terminated at a wall. Mount slotted angle to wall with up to 3/8" hardware (not included).

Wall Termination Kit includes:

- 1 - SA276-9 Slotted Angle
- 1 - WB6CH - Hold Down
- 1 - 3/8"-16 x 1" Slotted Head Screw
- 1 - 3/8"-16 Hex Nut



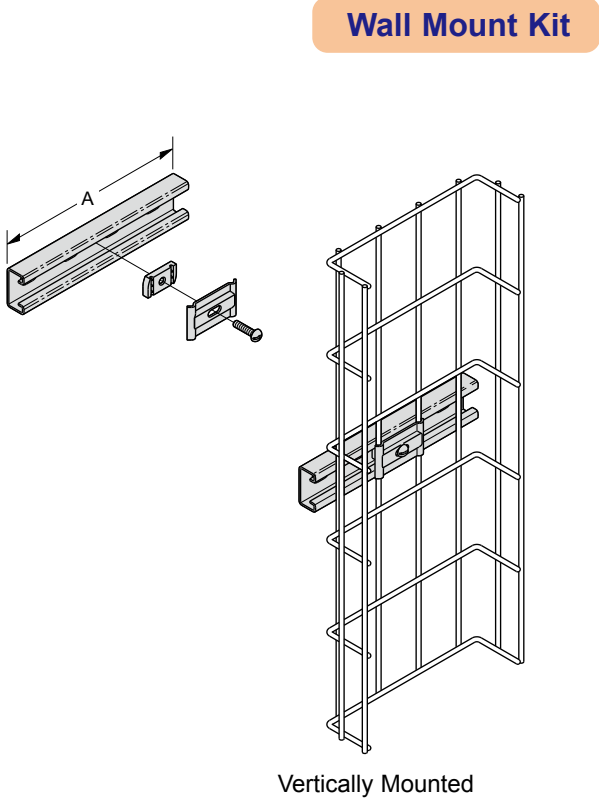
Finish: Zinc Plated

Part Number	A		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB48WMK</b>	8	203	.76	.35	1
● <b>WB1224WMK</b>	12	305	1.22	.55	1

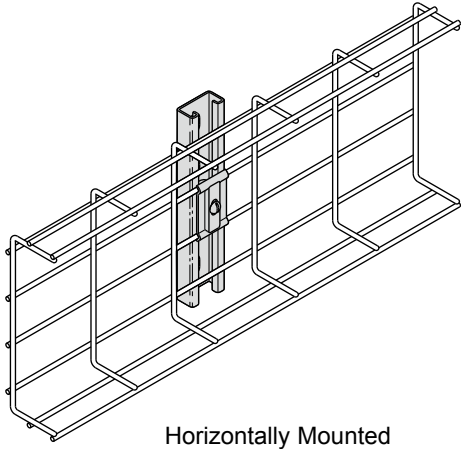
Kit includes all components necessary to mount wire basket to a wall horizontally or vertically. Mount strut to wall with up to 1/2" hardware (not included).

Wall Mount Kit includes:

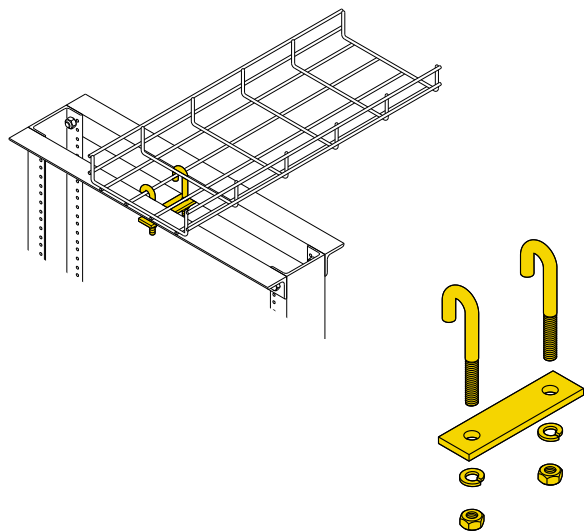
- | WB48WMR | WB1224WMR |                                 |
|---------|-----------|---------------------------------|
| 1       | 1         | B54SH Strut                     |
| 1       | 2         | WB4HD Hold Downs                |
| 1       | 2         | 1/4"-20 x 1" Slotted Head Screw |
| 1       | 2         | N224WO Channel Nut              |



Finish: Strut: Pre-Galvanized  
Hardware: Zinc Plated



Adaptor Kit



Finish: Yellow Zinc Dichromate

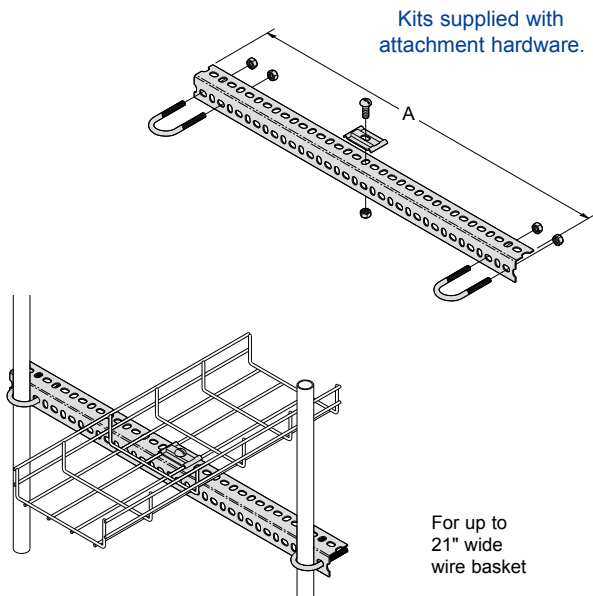
Part Number	Wt. Per Pc.		Box Quantity
	lbs.	kg	
● <b>SB2204</b>	.37	.17	1

Adaptor Kit includes all hardware necessary to connect Wire Basket System to top of relay rack at right angle or parallel position.

Adaptor Kit includes:

- 1 - Mounting Plate
- 2 - 5/16"-18 x 2" J-Bolts
- 2 - HN 5/16"-18 Hex Nuts
- 2 - LW 5/16" Lock Washers

2 Pole Support Kits



Finish: Zinc Plated

Part Number	A		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB138FPSK</b>	27	686	1.96	.89	1
● <b>WB200FPSK</b>	27.75	705	2.00	.91	1

WB138FPSK is for round post sizes 1" - 1.375" and for 7/8" square posts. WB200FPSK is for round post sizes 1.5" - 2".

Kit includes all hardware necessary to support wire basket system from raised floor posts on either 24 inch or 600 mm centers.

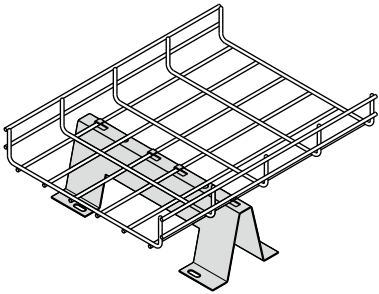
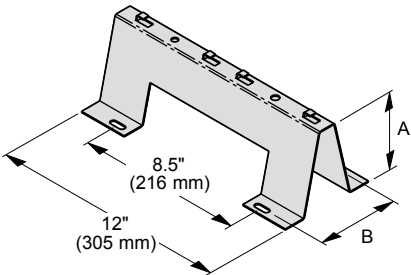
2 Pole Support Kit includes:

- 1 - SA158 Slotted Angle
- 2 - B501 U-Bolt
- 4 - 5/16" Flat Washer
- 4 - 5/16" Lock Washer
- 4 - 5/16"-18 Hex Nut
- 1 - WB4HD Hold Down
- 1 - 1/4"-20 x 1" Slotted Head Screw
- 1 - 1/4" Flat Washer
- 1 - 1/4"-20 Hex Nut

Part Number	A		B		Wt. Per Pc.		Box Quantity
	in.	mm	in.	mm	lbs.	kg	
● WB312-18UF	3	76	3.69	94	1.50	.47	1
● WB412-18UF	4	102	4.14	105	1.90	.86	1
● WB512-18UF	5	127	4.59	117	2.30	1.04	1
● WB612-18UF	6	152	5.04	128	2.70	1.22	1

Designed to elevate wire basket 3, 4, 5, or 6" off floor. No hardware required to mount wire basket to bracket. Simply bend tabs down around wires using a screwdriver. Floor mount slot size: .313" x .813" (8 mm x 20 mm) for 1/4" hardware. (order separately)

## Under Floor Stand

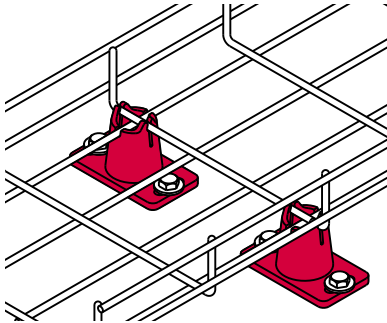
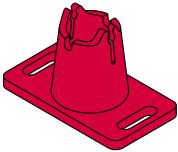


Finish: Pre-Galvanized,  
Optional - Dura-Green

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● WB2FS	4.40	2.00	10

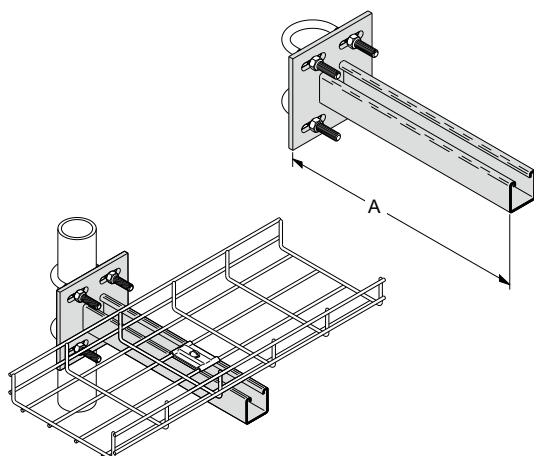
Metallic snap lock Floor Support is designed for use under access floors. Floor Support elevates Wire Basket System 5 1/8" (41.3 mm) above the floor. To attach Floor Support, use Liquid Nails™ or anchors. Sized for 1/4" hardware (not included). Elevation increments of 1 3/8" (35 mm) can be obtained by stacking Floor Supports.

## Floor Support



Material: Steel

## Under Floor Support Bracket



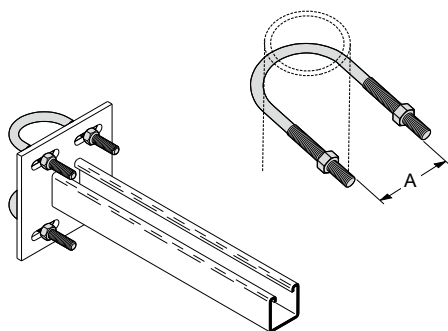
Finish: Zinc Plated

Part Number	Width		A		Wt. Per Pc.		Box Quantity
	in.	mm	in.	mm	lbs.	kg	
● <b>B409UF-12</b>	12	300	12	300	3.6	1.63	1
● <b>B409UF-18</b>	18	450	18	450	4.5	2.04	1
● <b>B409UF-22</b>	22	550	22	583	5.4	2.45	1

Under Floor Support Bracket provides rugged support for Wire Basket System from access floor post. To complete the installation, the following hardware must be ordered separately.

2	B501 U-Bolts
1	WB4HD Hold Down
1	1/4"-20 x 1" Slotted Head Screw
1	N224WO Channel Nut

## U-Bolts

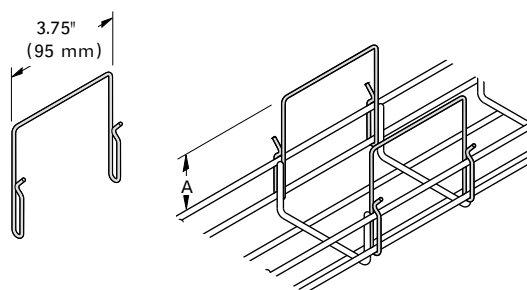


Finish: Zinc Plated

Part Number	A		Thread Size	Wt. Per 100		Box Quantity
	in.	mm		lbs.	kg	
● <b>B501-1</b>	1 <sup>3</sup> / <sub>8</sub>	30	5/16"-18	14	6.3	50
● <b>B501-1 1/2</b>	2	50	5/16"-18	16	7.2	50
● <b>B501-2</b>	2 <sup>7</sup> / <sub>16</sub>	62	3/8"-16	27	12.2	20
● <b>B501-2 1/2</b>	2 <sup>15</sup> / <sub>16</sub>	75	3/8"-16	32	14.5	25

Designed for attachment of Under Floor Support Brackets to access floor post. Each U-Bolt includes two hex nuts.

## Rail Riser



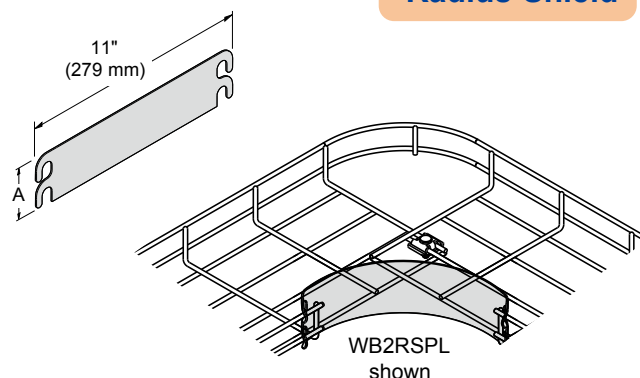
Finish: Zinc Plated

Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB2RR</b>	2	50	3.0	1.5	50

Provides expansion capabilities for existing 2", 4", or 6" systems where additional cable fill area is required. Simple, fast, economical and no tools required - simply snaps on. Increases cable fill depth two inches. Recommended installation frequency: two required every three feet, depending on cable density. Provides controlled cable exit locations. Does not interfere with cable fill area. Can be used on any fitting configuration.

Part Number	A		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB2RSPL</b>	2.5	63	7.2	3.2	20
● <b>WB4RSPL</b>	4.3	110	12.3	5.5	20

Provides a smooth inside radius surface. No tools or fasteners needed to install. Sizes for 2 & 4 inch fill systems; 90° horizontal bends, tees and crosses. Installs in seconds. Simply hold in place and bend back tabs. Slick surface to reduce cable friction.

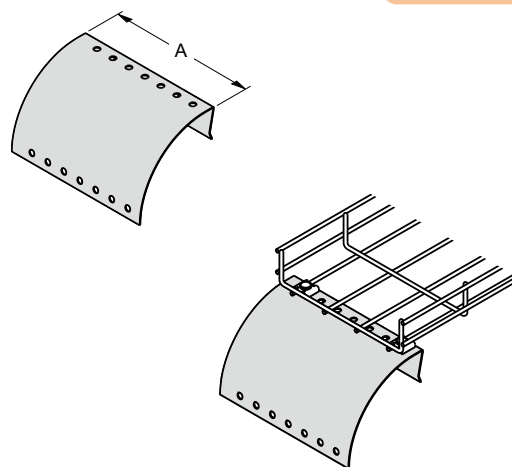


Material: Gray Tinted Polycarbonate

Part Number	A		Wt. Per Pc.		Box Quantity
	in.	mm	lbs.	kg	
● <b>WB06DO</b>	6	150	.68	.3	1
● <b>WB08DO</b>	8	200	.91	.4	1
● <b>WB12DO</b>	12	300	1.36	.6	1

This easy to install drop-out provides a 4" (101.6) radius to protect cables exiting wire basket. For side drop-out, insert slotted flange between top two wires and use one WB4CP. For underside attachment, use two WB4CP's for each wire basket section attached. WB4CP's not included. Use in combination for wider widths.

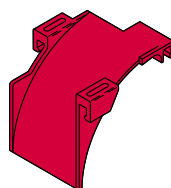
Additional installation drawings on page WB-37.



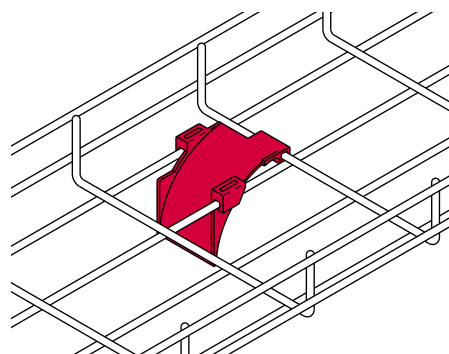
Finish: Pre-Galvanized Zinc  
Other finishes available. See page 44.

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB2DO</b>	1.76	.80	10

Metallic 2" (50 mm) radius Cable Drop-Out snap locks into mesh bottom and protects cables from sharp bend.

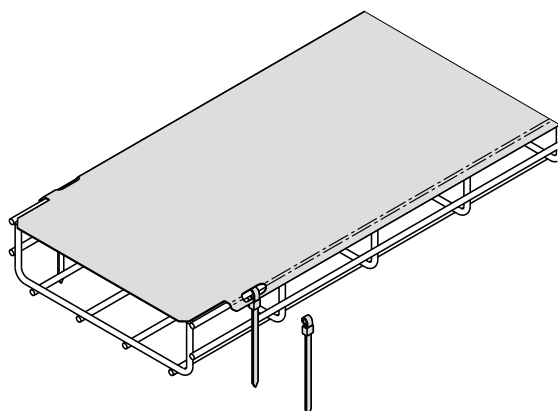


Material: steel





## Covers

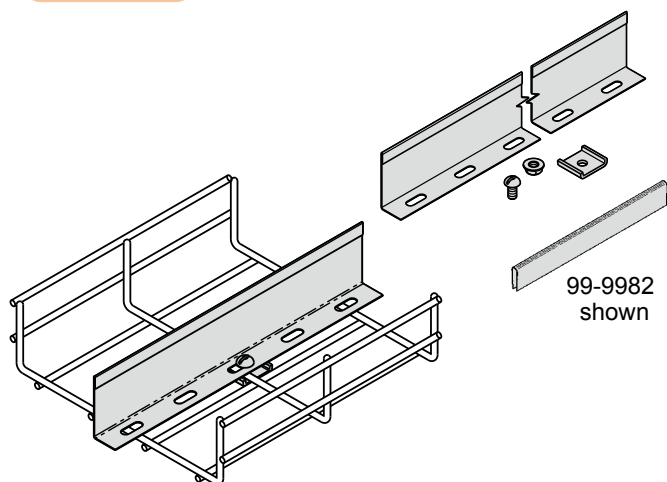


Finish: Pre-Galvanized Zinc

Part Number	System Width		Length		Wt. Per Pc.		Unit Of Measure
	in.	mm	in.	M	lbs.	kg	
● WBP200259	2	50	59	1.5	1.3	.6	1
● WBP200459	4	100	59	1.5	2.0	.9	1
● WBP200659	6	150	59	1.5	2.8	1.3	1
● WBP200859	8	200	59	1.5	3.6	1.6	1
● WBP201259	12	300	59	1.5	5.2	2.4	1
● WBP201859	18	450	59	1.5	7.5	3.4	1
● WBP202059	20	500	59	1.5	8.3	3.7	1
● WBP202259	22	550	59	1.5	8.7	3.9	1
● WBP202459	24	600	59	1.5	9.9	4.5	1

20 gauge pre-galvanized covers 59" long (1.5 meter) supplied with four cable ties to secure to wire basket.

## Barriers



Finish: Pre-Galvanized Zinc

Part Number	Height		Length		Wt. Per Pc.	
	in.	mm	in.	mm	lbs.	kg
● WB2B-3M	2	50	118.11	3000	3.31	1.50
● WB4B-3M	4	100	118.11	3000	5.65	2.56
● WB6B-3M	6	150	118.11	3000	7.96	3.61

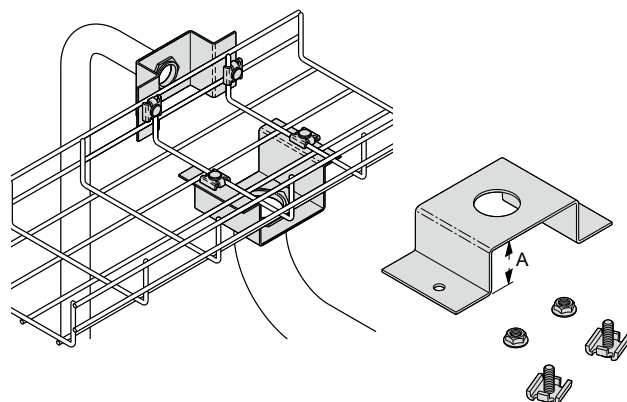
Separates cables randomly. Furnished with attachment hardware.

Additional installation drawings on page WB-39.

Barrier Kit includes:

- 1 - Barrier
- 3 - 1/4" - 20 x 1" SRHM Screw
- 3 - WB4PL
- 3 - SFHN 1/4" Hex Nuts
- 1 - 99-9982 Barrier Strip Splice

## Conduit Connector



Finish: Pre-Galvanized Zinc

Part Number	A		Conduit Size	Wt. Per 100		Box Quantity
	in.	mm		lbs.	kg	
● WB050CC	1.25	32	.50	47.7	21.6	10
● WB075CC	1.25	32	.75	46.9	21.3	10
● WB100CC	1.25	32	1.00	45.9	20.8	10
● WB125CC	1.25	32	1.25	44.0	20.0	10
● WB150CC	2.00	50	1.50	69.2	31.4	5
● WB200CC	2.00	50	2.00	65.5	29.7	5

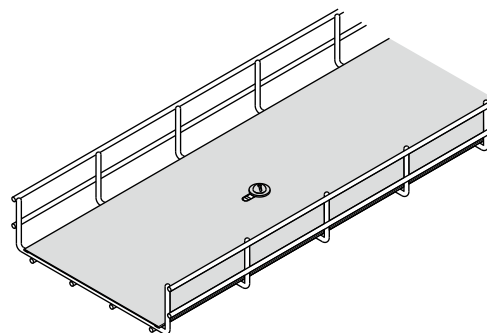
Conduit connector is designed to connect conduit to the side or bottom of wire basket. It is designed to keep the conduit bushing outside the wire basket. Furnished with 2 of the WB4CP.



Part Number	System Width		Length		Wt. Per Pc.		Unit of Measure
	in.	mm	in.	mm	lbs.	kg	
● <b>WB04P</b>	4	100	118	3.0	3.9	1.8	1
● <b>WB06P</b>	6	150	118	3.0	6.2	2.8	1
● <b>WB08P</b>	8	200	118	3.0	8.6	3.9	1
● <b>WB12P</b>	12	300	118	3.0	13.3	6.0	1
● <b>WB18P</b>	18	450	118	3.0	20.3	9.2	1
● <b>WB20P</b>	20	500	118	3.0	22.7	10.3	1
● <b>WB22P</b>	22	550	118	3.0	23.9	10.8	1
● <b>WB24P</b>	24	600	118	3.0	27.5	12.5	1

20 gauge pre-galvanized pan 118.1" long (3.0 meter) supplied with necessary hardware to secure to wire basket.

## Pan



Finish: Pre-Galvanized Zinc

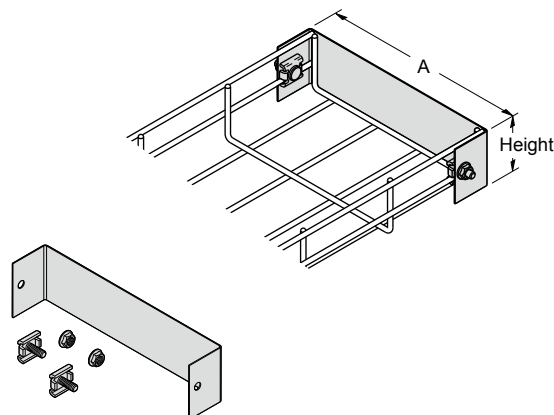
Part Number	A		Height		Box Quantity
	in.	mm	in.	mm	
● <b>WB202BE</b>	2	50	2	50	1
● <b>WB(*)04BE</b>	4	100	(*)		1
● <b>WB206BE</b>	6	150	2	50	1
● <b>WB(*)08BE</b>	8	200	(*)		1
● <b>WB(**)12BE</b>	12	300	(**)		1
● <b>WB(**)18BE</b>	18	450	(**)		1
● <b>WB620BE</b>	20	500	6	150	1
● <b>WB(*)22BE</b>	22	550	(*)		1
● <b>WB(**)24BE</b>	24	600	(**)		1

Forms a closure for a dead-end wire basket. Furnished with hardware.

(\*) Insert: 2 = 2" (50 mm), 4 = 4" (100 mm) for height

(\*\*) Insert: 2 = 2" (50 mm), 4 = 4" (100 mm), 6 = 6" (150 mm) for height

## Blind End

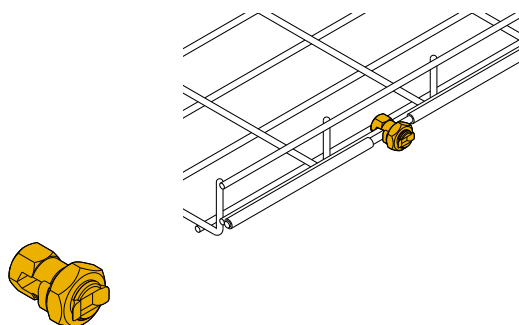


Finish: Zinc Plated

Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>WB2GC</b>	6.6	3.0	25

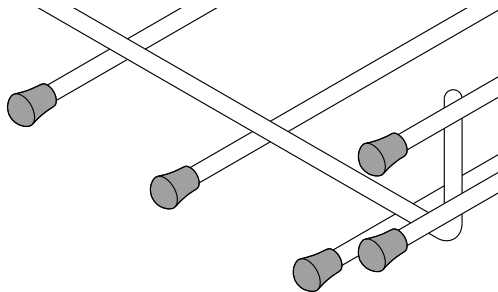
If system grounding is required, use grounding clamps to conveniently attach bare or insulated grounding conductor to each section of Wire Basket System. Secure grounding conductor between clamps with cable ties. Accepts up to #4 wire (AWG).

## Grounding Clamp



Material: High strength copper alloy

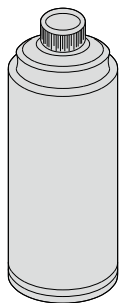
Rubber Cap



Part Number	Wt. Per 100		Box Quantity
	lbs.	kg	
● <b>B719EB</b>	.20	.10	100

Install on wire ends if required. Fits all wire diameters.

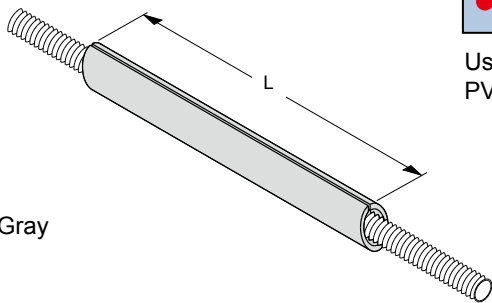
Touch-Up Paints



Size: 12 ounces

Part Number	Color	Wt. Per Pc.		Box Quantity
		lbs.	kg	
● <b>SB420ATG</b>	Gray Lacquer	.9	.41	1
● <b>SB420AFB</b>	Flat Black Lacquer	.9	.41	1
● <b>SB420ACW</b>	Computer White Lacquer	.9	.41	1
● <b>B999</b>	Silver Zinc-Rich Paint	.9	.41	1

Threaded Rod Protector



Finish Color: Gray

Part Number	L		Wt. Per 100		Box Quantity
	in.	mm	lbs.	kg	
● <b>SB301- 1/2 x 8</b>	8	200	.30	.14	1

Use to protect cables from 1/4", 3/8", 1/2" threaded rod. PVC UL94V-0 material.

## LOAD&FILL CHARTS

Hdman's load and fill capabilities

load chart \*\*

fill chart \*\*\*

PART	5'	6'	7'	8'	FILL AREA	NUMBER OF CABLES
WB1.5X12	29	17	14	11	11.8	167
WB2X2	34	28	24	20	4.2	59
WB2X4	52	43	35	27	8.2	116
WB2X6	66	49	37	29	12.1	171
WB2X8	66	50	39	29	16.1	228
WB2X12	73	52	39	29	23.9	339
WB2X16	94	54	42	36	31.8	450
WB2X18	99	63	49	40	35.7	506
WB2X20	99	64	49	41	39.7	562
WB2X22	99	74	57	43	43.8	620
WB2X24	101	74	57	45	47.5	673
WB2X30	109	81	65	46	59.8	847
WB2X32	110	85	66	46	63.3	897
WB4X4	58	49	42	36	15.7	222
WB4X6	93	77	60	46	23.6	334
WB4X8	94	78	63	48	31.6	446
WB4X12	121	98	81	63	47.5	673
WB4X16	122	98	81	63	63.6	899
WB4X18	122	98	81	63	71.6	1,013
WB4X20	122	98	81	63	79.5	1,126
WB4X22	122	98	81	63	87.4	1,238
WB4X24	122	98	81	63	95.6	1,353
WB4X30	138	98	81	64	119.5	1,693
WB6X8	139	104	85	74	47.3	670
WB6X12	150	104	85	74	71.6	1,014
WB6X16	150	123	96	77	95.2	1,348
WB6X18	150	125	101	78	107.2	1,518
WB6X20	150	125	102	78	118.9	1,684
WB6X22	151	125	102	78	130.7	1,851
WB6X24	172	131	102	83	143.2	2,028

\*\* Clear Span of Support: Load — lbs per foot. Published load chart has not been tested . Please consult the factory for load information when using the Hdmanmate splice option. GS Metals recommends that splice/supports comply with NEMA VE-2 installation requirements.

\*\*\* Fill Rates: Cables used for fill rate testing are 0.1852" in diameter. Hdmantray fill capacity is based on NEC allowable fill of 50%. This rule requires that cable cross-sectional areas together may not exceed 50% of the tray area (width x depth = fill). Fill capacities stated are based on typical Category 5 diam eters (0.1852" dia.) in real-world tray installations. Cables will nearly completely fill the cable tray when reaching the 50% cable fill (see illustration below). When the tray is full, the total of the cable area is only 50% of the tray; this is due to empty space between the surface of the cable. TIA recommends 40% fill ratio. Hdmantray loads, as shown in the chart, will not be exceeded before fill capacity — see illustration.

Fill capacity  
Tray shown with Category 5 cable

